Date Reported:
27-Jul-15

Laboratory Report

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Project #:
Project:
SDG: 954
Case No:

Attn:

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
078501	954	S	07-Jul-15 14:13	08-Jul-15 8:50
078502	955	S	07-Jul-15 13:12	08-Jul-15 8:50
078503	955MS	S	07-Jul-15 13:12	08-Jul-15 8:50
078504	955MSD	S	07-Jul-15 13:12	08-Jul-15 8:50
078505	956	S	07-Jul-15 13:48	08-Jul-15 8:50
078506	957	S	07-Jul-15 11:35	08-Jul-15 8:50
078507	958	S	07-Jul-15 13:29	08-Jul-15 8:50
078508	959	S	07-Jul-15 12:05	08-Jul-15 8:50
078509	961	S	07-Jul-15 12:37	08-Jul-15 8:50
078510	953	S	07-Jul-15 16:00	08-Jul-15 9:38

Soil samples are reported on dry weight basis, unless otherwise noted.

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the sample(s) as received. This report may not be reproduced, except in full, without written approval from

All applicable NELAC or USEPA requirements have been meet unless noted in the case narrative.

is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certification page on our web site at

Connecticut
Delaware
Department of Defense
Florida
Maine
Massachusetts
New Hampshire
New Jersey
New York
North Carolina
Pennsylvania
Rhode Island
USDA
USEPA ·
USEPA ·

Respectfully Submitted,

SDG COVER PAGE

Lab Name: _____ Contract: _____

Lab Code : _____ Case No.: _____ MA No.: _____ SDG No.: 954

SOW No.: _____

Analysis Method

EPA Sample No.	Lab Sample ID	Trace VOA	Low/Med VOA	TCLP VOA	SVOA	SVOA SIM	PEST	ARO	pH
953	078510		X						
954	078501		X						
955	078502		X						
955MS	078503		X						
955MSD	078504		X						
956	078505		X						
957	078506		X						
958	078507		X						
959	078508		X						
961	078509		X						

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the SDG Narrative. Release of the data contained in this hardcopy Complete SDG file and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: 7/27/15 Title _____

Sample Delivery Group (SDG) Cover Sheet

SDG Number	954	Case Number		Contract Number	
Lab Code		SDG Turnaround	21 ~~13~~ days 7/9/15	Delivery CLIN(s)	—
First Sample Received in SDG	954	Last Sample Received in SDG	953		
First sample Receipt Date	7/8/2015	Last sample Receipt Date	7/8/2015		

EPA Sample Numbers in SDG (Listed in Numerical Order)

	CLP Sample ID	Sample Type	Requested Analytical CLIN(s)/SubCLIN(s)	Solicitation Number	MA Number(s)
01	953	SAMPLE	0002AB	N/A	NA
02	954	SAMPLE			NA
03	955	SAMPLE			NA
04	955MS	MS			NA
05	955MSD	MSD			NA
06	956	SAMPLE			NA
07	957	TB			NA
08	958	SAMPLE			NA
09	959	SAMPLE			NA
10	961	SAMPLE	0002AB	N/A	NA
11					
12					
13					
14					
15					
16					
17			7/9/15		
18					
19					
20					
21					
22					
23					
24					
25					

Note: *There are a maximum of 20 field samples (excluding Performance Evaluation (PE) samples) in an SDG. Attach the TRICOC Records to this form in alphanumeric order (the order listed above on this form).*

Signature _____ Date 7/9/15

SDG 154

USEPA **Organics COC (LAB COPY)**

CHAIN OF CUSTODY RECORD

No: 07/07/15-0001

DateShipped: 7/7/2015

Lab:

CarrierName: FedEx
AirbillNo

Project Number: 15-0382
Case #:

Lab Contact:
Lab Phone:

Sample Identifier	CLP Sample No.	Media/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
CV-001-SD	954	Sediment/	Grab	VOA(21)	1000 (None) (1)	CV001	07/07/2015 14:13	Good
CV-002-SD	955	Sediment/	Grab	VOA(21)	1002 (None) (1)	CV002	07/07/2015 13:12	
CV-007-SD	956	Sediment/	Grab	VOA(21)	1005 (None) (1)	CV007	07/07/2015 13:48	Good
CV-009-TS	957	Trip Blank Soil/	Grab	VOA(21)	1006 (None) (1)	#R4DART#	07/07/2015 11:35	
CV-003-SD	958	Sediment/	Grab	VOA(21)	1007 (None) (1)	CV003	07/07/2015 13:29	Good
CV-004-SD	959	Sediment/	Grab	VOA(21)	1008 (None) (1)	CV004	07/07/2015 12:05	Good
CV-006-SD	961	Sediment/	Grab	VOA(21)	1010 (None) (1)	CV006	07/07/2015 12:37	

Sample(s) to be used for Lab QC: CV-002-SD Tag 1002

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: VOA= Volatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Fedex Dropoff		7-7-15		7-7-15	
	Fedex	7/8/15		7/8/15 08:30	4.0° C TB

SDG 954

USEPA **Organics COC (LAB COPY)** **CHAIN OF CUSTODY RECORD** **No: 07/07/15-0001**

DateShipped: 7/7/2015 Lab:

CarrierName: FedEx Project Number: 15-0382 Lab Contact:

AirbillNo: Case #: Lab Phone:

Sample Identifier	CLP Sample No.	Media/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
CV-001-SD	954	Sediment/	Grab	VOA(21)	1000 (None) (1)	CV001	07/07/2015 14:13	
CV-002-SD	955	Sediment/	Grab	VOA(21)	1002 (None) (1)	CV002	07/07/2015 13:12	Good
CV-007-SD	956	Sediment/	Grab	VOA(21)	1005 (None) (1)	CV007	07/07/2015 13:48	
CV-009-TS	957	Trip Blank Soil/	Grab	VOA(21)	1006 (None) (1)	#R4DART#	07/07/2015 11:35	Good
CV-003-SD	958	Sediment/	Grab	VOA(21)	1007 (None) (1)	CV003	07/07/2015 13:29	
CV-004-SD	959	Sediment/	Grab	VOA(21)	1008 (None) (1)	CV004	07/07/2015 12:05	
CV-006-SD	961	Sediment/	Grab	VOA(21)	1010 (None) (1)	CV006	07/07/2015 12:37	Good

Sample(s) to be used for Lab QC: CV-002-SD Tag 1002

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: VOA= Volatiles

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
FEDEX OVERNIGHT		7-7-15		7-7-15	
	fed ex	7/8/15		7/8/15 8:50	3.5°C TB

SDG 154

USEPA **Organics COC (REGION COPY)** **CHAIN OF CUSTODY RECORD** **No: 07/07/15-0413**

DateShipped: 07/07/15 Lab:

CarrierName: UPS Lab Contact:

AirbillNo: Case: Lab Phone:

Sample Identifier	CLP Sample No.	Media/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
QA-017-PES	953	Soil/	Grab	VOA(21)	4-017 (None) (1)	#R4DART#	07/07/2015 16:00	Lab QC
	↓							
	SDG- Final Sample							

10

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOA=Volatile Organics	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
		7/7/15 1600		07/08/15 09:38	22.0°c IR

5

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name		Page 1 of 1
Received By (Print Name)		Log-in Date 7/8/15
Received By (Signature		
Case Number	No. 954	MA No. —

Remarks:	
1. Custody Seal(s)	~~Present~~/Absent* Intact/Broken
2. Custody Seal Nos.	
3. Traffic Reports/Chain of Custody Records or Packing Lists	Present/~~Absent~~*
4. Airbill	Airbill/Sticker Present/Absent*
5. Airbill No.	fedex —
6. Sample Tags Sample Tag Numbers	Present/~~Absent~~* Listed/Not Listed on Traffic Report/Chain of Custody Record
7. Sample Condition	~~Intact~~/Broken*/ Leaking
8. Shipping Container Temperature Indicator Bottle	Present/Absent*
9. Shipping Container Temperature	4.0°c
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree?	Yes/No*
11. Date Received at Lab	07/08/15
12. Time Received	08:50

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	954	N/A		Good
2	956	↑		↓
3	958	↓		↓
4	959	N/A		Good
5	—	—	—	—
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22	—	—	—	—

7/8/15

* Contact and attach record of resolution

Reviewed By	Logbook No.
Date 7/8/15	Logbook Page No.

(08/2014) Form DC-1

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name		Page 1 of 1
Received By (Print Name)		Log-in Date 07/08/15
Received By (Signature)		
Case Number	SDG No. 954	MA No. —

Remarks:	
1. Custody Seal(s)	Present/Absent* Intact/Broken
2. Custody Seal Nos.	N/A
3. Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*
4. Airbill	Airbill/Sticker Present/Absent*
5. Airbill No.	FEDEX
6. Sample Tags Sample Tag Numbers	Present/Absent* Listed/Not Listed on Traffic Report/Chain of Custody Record
7. Sample Condition	Intact/Broken*/ Leaking
8. Shipping Container Temperature Indicator Bottle	Present/Absent*
9. Shipping Container Temperature	3.5°c
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree?	Yes/No*
11. Date Received at Lab	07/08/15
12. Time Received	08:50

	EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	955	N/A		Good
2	955MS	↑		↓
3	955MSD			
4	957	↓		
5	961	N/A		Good
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

7/8/15

* Contact and attach record of resolution

Reviewed By		Logbook No.	
Date	7/8/15	Logbook Page No.	

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name		Page 1 of 1
Received By (Print Name)		Log-in Date 07/08/15
Received By (Signature)		
Case Number	--- No. 954	MA No. —

Remarks:	
1. Custody Seal(s)	Present/Absent* Intact/Broken
2. Custody Seal Nos.	N14
3. Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*
4. Airbill	Airbill/Sticker Present/Absent*
5. Airbill No.	UPS
6. Sample Tags Sample Tag Numbers	Present/Absent* Listed/Not Listed on Traffic Report/Chain of Custody Record
7. Sample Condition	Intact/Broken*/ Leaking
8. Shipping Container Temperature Indicator Bottle	Present/Absent*
9. Shipping Container Temperature	22.0°c
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree?	Yes/No*
11. Date Received at Lab	07/08/15
12. Time Received	09:38

	EPA Sample #	Corresponding: Sample Tag #	Corresponding: Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	953	N14		Good
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

7/8/15

* Contact and attach record of resolution

Reviewed By	Logbook No.
Date 7/8/15	Logbook Page No.

(08/2014) Form DC-1

FORM DC-2
FULL ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LAB NAME _____

LAB CODE _____

CONTRACT NO. _____

CASE NO. _____ SDG NO. 954

MA NO. N/A

SOW NO. _____

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.4)

		PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
1.	SDG Cover Page	1	1	✓	
2.	Traffic Report/Chain of Custody Record(s)	2	5	✓	
3.	Sample Log-In Sheet (DC-1)	6	8	✓	
4.	CSF Inventory Sheet (DC-2)	9	15	✓	
5.	SDG Narrative	16	19	✓	
Organic Analysis					
Trace Volatiles					
	Quality Control Summary	No	No	N/A	
6.	Deuterated Monitoring Compound Recovery (Form 2A-OR and Form 2B-OR)				
7.	Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A-OR) (if requested by the EPA Region)				
8.	Method Blank Summary (Form 4-OR)				
9.	GC/MS Instrument Performance Check (Form 5-OR)				
10.	Internal Standard Area and Retention Summary (Form 8A-OR)				
	Sample Data				
11.	TAL Results - Organic Analysis Data Sheet (Form 1A-OR)				
12.	Tentatively Identified Compounds (Form 1B-OR)				
13.	Raw Data for Each Sample:				
	Reconstructed total ion chromatograms (RICs) for each sample				
	Raw Spectra and background-subtracted mass spectra of target analytes identified				
	Quantitation Reports	No	No	N/A	

FORM DC-2
ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

		PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
	Mass Spectra of all reported TICs with three best library matches				
	Standards Data (All Instruments)				
14.	GC/MS Initial Calibration Data (Form 6A-OR)				
15.	RICs and Quantitation Reports for all Standards				
16.	Continuing Calibration Verification for GC/MS (Form 7A-OR)				
17.	RICs and Quantitation Reports for all Standards				
	Quality Control Data				
18.	Performance Check				
19.	Blank Data				
20.	Matrix Spike/Matrix Spike Duplicate Data (Form 3A-OR) (if requested by the EPA Region)				
21.	Original preparation and analysis forms or copies of preparation and analysis logbook pages (including screening records if applicable)				
Low-Medium Volatiles					
	Quality Control Summary	20	30	✓	
22.	Deuterated Monitoring Compound Recovery (Form 2A-OR and Form 2B-OR)	20	21	✓	
23.	Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A-OR) (if requested by the EPA Region)	22	22	✓	
24.	Method Blank Summary (Form 4-OR)	23	25	✓	
25.	GC/MS Instrument Performance Check (Form 5-OR)	26	27	✓	
26.	Internal Standard Area and Retention Time Summary (Form 8A-OR)	28	30	✓	
	Sample Data	31	138	✓	
27.	TAL Results - Organic Analysis Data Sheet (Form 1A-OR)	31	32	✓	
28.	Tentatively Identified Compounds (Form 1B-OR)	33	32	✓	
29.	Raw Data for Each Sample:	34	138	✓	
	Reconstructed total ion chromatograms (RICs) for each sample			✓	
	Raw Spectra and background-subtracted mass spectra of target analytes identified			✓	
	Quantitation Reports			✓	
	Mass Spectra of all reported TICs with three best library matches	34	138	✓	

FORM DC-2
ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

		PAGE NOs.		CHECK	
		FROM	TO	LAB	REGION
	Standards Data (All Instruments)	139	189	✓	
30.	GC/MS Initial Calibration Data (Form 6A-OR)	139	141	✓	
31.	RICs and Quantitation Reports for all Standards	142	156	✓	
32.	Continuing Calibration Verification for GC/MS (Form 7A-OR)	157	174	✓	
33.	RICs and Quantitation Reports for all Standards	175	189	✓	
	Quality Control Data	190	261	✓	
34.	Performance Check	190	197	✓	
35.	Blank Data	198	221	✓	
36.	Matrix Spike/Matrix Spike Duplicate Data (if requested by the EPA Region)	222	248	✓	
37.	Original preparation and analysis forms or copies of preparation and analysis logbook pages (including TCLP/SPLP logs, Percent Solid Determinations logs, and screening records if applicable)	249	261	✓	
Semivolatiles					
	Quality Control Summary	No	No	N/A	
38.	Deuterated Monitoring Compound Recovery (Form 2A-OR and Form 2B-OR)	↓	↓	↓	
39.	Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A-OR) (if requested by the EPA Region)				
40.	Method Blank Summary (Form 4-OR)				
41.	GC/MS Instrument Performance Check (Form 5-OR)				
42.	Internal Standard Area and Retention Time Summary (Form 8A-OR)				
	Sample Data				
43.	TAL Results - Organic Analysis Data Sheet (Form 1A-OR)				
44.	Tentatively Identified Compounds (Form 1B-OR)				
45.	Raw Data for Each Sample:				
	Reconstructed total ion chromatograms (RICs) for each sample				
	Raw Spectra and background-subtracted mass spectra of target analytes identified				
	Quantitation Reports				
	Mass Spectra of all reported TICs with three best library matches	↓	↓	↓	
	GPC chromatograms (if GPC is required)	No	No	N/A	

FORM DC-2
ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

		PAGE NOs.		CHECK	
		FROM	TO	LAB	REGION
	Standards Data (All Instruments)	N/A	N/A	N/A	
46.	GC/MS Initial Calibration Data (Form 6A-OR)				
47.	RICs and Quantitation Reports for all Standards				
48.	Continuing Calibration Verification for GC/MS (Form 7A-OR)				
49.	RICs and Quantitation Reports for all Standards				
	Quality Control Data				
50.	Performance Check				
51.	Blank Data				
52.	Matrix Spike/Matrix Spike Duplicate Data (if requested by the EPA Region)				
53.	Raw GPC Data				
54.	For SIM analysis (if requested), at the same sequence as listed above, except for that Form 1B-OR and TIC spectra data which are not required for SIM method.				
55.	Original preparation and analysis forms or copies of preparation and analysis logbook pages (including TCLP/SPLP logs, Percent Solid Determinations logs, and screening records if applicable)	N/A	N/A	N/A	
Pesticides					
	Quality Control Summary	N/A	N/A	N/A	
56.	Surrogate Recovery (Form 2C-OR)				
57.	Matrix Spike/Matrix Spike Duplicate Recovery (Form 3A-OR each columns)				
58.	Laboratory Control Sample Recovery (Form 3B-OR for each column)				
59.	Method Blank Summary (Form 4-OR)				
	Sample Data				
60.	TAL Results – Organic Analysis Data Sheet (Form 1A-OR)				
61.	Raw Data for Each Sample:				
	Chromatograms (Primary Column)				
	Chromatograms (Secondary Column)				
	Quantitation Reports				
	Manual Worksheets				
62.	For Pesticides by GC/MS Confirmation:				
	Copies of raw spectra and copies of background-subtracted mass spectra of target analytes (samples & standards)	N/A	N/A	N/A	

FORM DC-2
ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

		PAGE NOs.		CHECK	
		FROM	TO	LAB	REGION
	Standards Data				
63.	Initial Calibration of Single Component Analytes (Form 6B-OR and 6C-OR)				
64.	Initial Calibration of Multicomponent Analytes (Form 6D-OR and 6E-OR)				
65.	Analyte Resolution Summary (Form 6G-OR)				
66.	Pesticide Performance Evaluation Mixture Calibration Verification Summary (Form 7B-OR)				
67.	Continuing Calibration Verification Summary (Form 7C-OR)				
68.	Multicomponent Continuing Calibration Verification Summary (Form 7D-OR)				
69.	Analytical Sequence (Form 8B-OR)				
70.	Florisil Cartridge Check (Form 9A-OR)				
71.	GPC Calibration Verification (Form 9B-OR)				
72.	Identification Summary for Single Component Analytes (Form 10A-OR)				
73.	Identification Summary for Multicomponent Analytes (Form 10B-OR)				
74.	Chromatograms and Quantitation Reports:				
	A printout of Retention Times and corresponding peak areas or peak heights				
	Quality Control Data				
75.	Blank Data				
76.	Matrix Spike/Matrix Spike Duplicate Data				
77.	Laboratory Control Sample				
78.	Raw GPC Data				
79.	Raw Florisil Data				
80.	Original preparation and analysis forms or copies of preparation and analysis logbook pages (including TCLP/SPLP logs, Percent Solid Determinations logs, and screening records if applicable)				
Aroclors					
	Quality Control Summary				
81.	Surrogate Recovery (Form 2C-OR)				
82.	Matrix Spike/Matrix Spike Duplicate Summary (Form 3A-OR)				
83.	Laboratory Control Sample Recovery (Form 3B-OR for each column)				
84.	Method Blank Summary (Form 4-OR)				

FORM DC-2
ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

		PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
	Sample Data	Na	Na	NA	
85.	TAL Results - Organic Analysis Data Sheet (Form 1A-OR)				
86.	Raw Data for Each Sample:				
	Chromatograms (Primary Column)				
	Chromatograms (Secondary Column)				
	Quantitation Reports				
	Manual Worksheets				
87.	For Aroclors by GC/MS Confirmation:				
	Copies of raw spectra and copies of background-subtracted mass spectra of target analytes (samples & standards)				
	Standards Data				
88.	Initial Calibration of Multicomponent Analytes (Form 6D-OR, Form 6E-OR, and Form 6F-OR)				
89.	Multicomponent Continuing Calibration Verification Summary (Form 7D-OR)				
90.	Analytical Sequence (Form 8B-OR)				
91.	Identification Summary for Multicomponent Analytes (Form 10B-OR)				
92.	Chromatograms and data system printouts:				
	A printout of Retention Times and corresponding peak areas or peak heights				
	Quality Control Data				
93.	Blank Data				
94.	Matrix Spike/Matrix Spike Duplicate Data				
95.	Laboratory Control Sample (LCS) Data				
96.	Raw GPC Data (if performed)	↓	↓	↓	
97.	Original preparation and analysis forms or copies of preparation and analysis logbook pages (including Percent Solid Determinations logs and screening records if applicable)	Na	Na	NA	
Additional		262	264	✓	
98.	EPA Shipping/Receiving Documents	262	7127115 264-266	✓	
	Airbill (No. of Shipments 2)	262	263	✓	
	Sample Tags	Na	Na	NA	
	Sample Log-In Sheet (Lab)	264	269	✓	

FORM DC-2
ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOs. FROM	TO	CHECK LAB	REGION
99. Misc. Shipping/Receiving Records (list all individual records)				
Communication Logs	N/A	N/A	N/A	
	N/A	N/A	N/A	
100. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)	270	272	✓	
	N/A	N/A	N/A	
101. PE/PT Instruction Forms	273	274	✓	
102. Other Records (describe or list)	N/A	N/A	N/A	
Communication Logs	N/A	N/A	|	
	N/A	N/A	|	
103. Comments:	N/A	N/A	N/A	

Completed by:
(Lab) ✓ _____ 7/29/15
(S Date)

Audited by:
(EPA) _____ _____ _____
(Signature) (Print Name & Title) (Date)

SDG Narrative

submits the enclosed data package in response to USEPA Case # and SDG # 954. Analyses were performed for ten soil samples that were received on July 8, 2015. The analyses were performed under USEPA Contract #

Please note that the sample-shipping cooler received on July 8 was measured at -3.5°C. A PE sample was also received on July 8 in a box with the temperature to be determined at 22.0°C.

Client ID	Lab ID	TV	TVS	VL	VTC	VM	SL	SM	SS	P	A	pH
953	078510			X								
954	078501			X								
955	078502			X								
955MS	078503			X								
955MSD	078504			X								
956	078505			X								
957	078506			X								
958	078507			X								
959	078508			X								
961	078509			X								

Method Definitions:

TV	=	Trace Volatile	**SL**	=	Semivolatiles Low
TVS	=	Trace Volatile SIM	**SM**	=	Semivolatiles Medium
VL	=	Volatiles Low	**SS**	=	Semivolatile SIM
VTC	=	Volatiles TCLP	**P**	=	Pesticides
VM	=	Volatiles Medium	**A**	=	Aroclors
			pH	=	pH Volatiles

The analyses were performed using USEPA) protocols. The analyses were performed with strict adherence to the SOW with the following exceptions and observations.

SAMPLE RECEIPT:

No exceptions or unusual conditions were encountered.

Low/Med Volatile Analysis:

GC column used: 30 x 0.25 ID (1.0 um film thickness) DB-624 capillary column.

Purge and trap analytical column utilized OI #10 trap.

The following equation was used to calculate the concentration of target analytes for soil samples:

$$\text{Concentration } (\mu\text{g/Kg}) = \frac{(Amt)(DF)(UF)(5)}{\left(\frac{Ws * (100 - M)}{100}\right)}$$

Where:

Amt	= on-column amount on raw data
DF	= Dilution factor
UF	= ng unit correction factor
Ws	= Weight of sample extracted (g)
M	= %moisture (not decanted)

The following equation was used to calculate the Amt in the previous equation:

$$\text{Amt} = \frac{(A_x)(IS)}{(A_{is})(RRF)}$$

Where:

A_x	= area of the characteristic ion for the compound to be measured
A_{is}	= area of the characteristic ion for the associated internal standard
IS	= concentration of internal standard in µg/L
RRF	= relative response factor

The soil samples for VOA were received in tared, unpreserved VOA vials. The samples were logged in, labeled and then transferred to the VOA laboratory. In the VOA lab, the vials were frozen until time of analysis.

Samples were analyzed within required hold times.

Calibration acceptance criteria were met.

Sample 955MS was recovered above criteria for the following DMC(s): 1,1-Dichloroethene-d2 at 116.565257883 % with criteria of (45-110).

Sample 956 was recovered above criteria for the following DMC(s): 1,2-Dichloropropane-d6 at 132.41246037 % with criteria of (70-120).

Sample 958 was recovered above criteria for the following DMC(s): 1,2-Dichloropropane-d6 at 126.273707722 % with criteria of (70-120).

Sample 959 was recovered above criteria for the following DMC(s): 1,2-Dichloropropane-d6 at 121.811635091 % with criteria of (70-120).

Samples coded accordingly.

A client requested MS/SD set was analyzed on sample 955. All percent recovery and relative percent difference (RPD) criteria were met.

All Internal Standard acceptance criteria were met.

Sample analysis proceeded normally.

It should be noted that a peak was detected at 8.26 minutes. This is the cis-isomer of trans-1,3-Dichloropropene-d4, which is an impurity of the manufacturing of the DMC.

ALKANE NARRATIVE REPORT

Report Date: 7/27/2015

SDG: 954

Client Sample ID: 959	Lab Sample ID: 078508	File Name: 6327.D

Compound:	RT	Est. Conc:	Q:
Cyclic Alkane	8.765	7.026268	J

FORM 2A-OR

DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: Contract:

Lab Code : Case No.: MA No.: SDG No.: 954

Analytical Method: VOA Level: LOW

Matrix: SOIL

EPA SAMPLE NO.	DMC1	DMC2	DMC3	DMC4	DMC5	DMC6	DMC7	DMC8	DMC9
LK1A	96	96	89	93	92	90	92	94	97
957	91	95	93	95	92	93	91	93	93
953	98	95	103	91	103	104	106	99	102
LK1B	91	99	92	92	96	95	91	94	95
954	86	94	92	77	94	88	91	92	95
955	103	110	98	55	100	98	109	114	102
956	115	121	94	67	108	102	125	132 *	115
958	114	125	101	40	104	93	123	126 *	111
959	111	114	106	81	106	106	115	122 *	106
961	106	105	102	85	99	99	108	110	103
LK1E	98	101	103	80	94	89	92	95	98
955MS	111	113	117 *	103	103	102	109	111	109
955MSD	109	114	108	109	104	109	103	107	106
BLK1F	95	98	98	74	92	86	92	93	96

				QC LIMITS
DMC1	(VCL)	=	Vinyl chloride-d3	(30 - 150)
DMC2	(CLA)	=	Chloroethane-d5	(30 - 150)
DMC3	(DCE)	=	1,1-Dichloroethene-d2	(45 - 110)
DMC4	(BUT)	=	2-Butanone-d5	(20 - 135)
DMC5	(CLF)	=	Chloroform-d	(40 - 150)
DMC6	(DCA)	=	1,2-Dichloroethane-d4	(70 - 130)
DMC7	(BEN)	=	Benzene-d6	(20 - 135)
DMC8	(DPA)	=	1,2-Dichloropropane-d6	(70 - 120)
DMC9	(TOL)	=	Toluene-d8	(30 - 130)

FORM 2B-OR
DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: _____ Contract: _____

Lab Code : _____ Case No.: _ ___ MA No.: _____ SDG No.: 954

Analytical Method: VOA Level: LOW

Matrix: SOIL

EPA SAMPLE NO.	DMC10	DMC11	DMC12	DMC13	DMC14	DMC15	DMC16	DMC17	TOT OUT
LK1A	94	94	92	94					0
957	92	100	99	96					0
953	98	93	97	103					0
LK1B	93	94	94	98					0
954	88	75	88	94					0
955	81	64	91	99					0
956	89	65	106	101					1
958	84	53	81	96					1
959	96	96	104	94					1
961	90	100	103	94					0
LK1E	92	85	90	92					0
955MS	106	107	103	103					1
955MSD	107	110	110	99					0
BLK1F	87	77	85	92					0

			QC LIMITS
DMC10	(TDP)	= trans-1,3-Dichloropropene-d4	(30 - 135)
DMC11	(HEX)	= 2-Hexanone-d5	(20 - 135)
DMC12	(TCA)	= 1,1,2,2-Tetrachloroethane-d2	(45 - 120)
DMC13	(DCZ)	= 1,2-Dichlorobenzene-d4	(75 - 120)

FORM 3A-OR

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: _____ Contract: _____

Lab Code : _____ Case No.: _____ MA No.: _____ SDG No.: 954

Analytical Method: VOA Level: LOW

Matrix: SOIL

EPA Sample No. (Matrix Spike/Matrix Spike Duplicate) 955

Instrument ID: V1 GC Column: DB-624 ID: 0.25 (mm)

Concentration Units (ug/L, ug/kg): ug/Kg

ANALYTE	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %R #	QC LIMITS %R
1,1-Dichloroethene	69	0	54	78	59 - 172
Trichloroethene	69	0	74	108	66 - 142
Benzene	69	0	78	114	62 - 137
Toluene	69	0	75	110	59 - 139
Chlorobenzene	69	0	71	103	60 - 133

ANALYTE	SPIKE ADDED	MSD CONCENTRATION	MSD %R #	%RPD #	QC LIMITS	
					RPD	%R
1,1-Dichloroethene	75	58	77	1	0-22	59 - 172
Trichloroethene	75	75	99	8	0-21	66 - 142
Benzene	75	79	105	7	0-24	62 - 137
Toluene	75	78	104	6	0-21	59 - 139
Chlorobenzene	75	76	102	1	0-21	60 - 133

FORM 4-OR
METHOD BLANK SUMMARY

EPA SAMPLE NO.
LK1A

Lab Name:
Contract:
Lab Code : Case No.: - MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID: 05MB
Instrument ID: V1
Lab File ID: 6297.D
Extraction Type:
Date Extracted:
GC Column (1): DB-624 ID: 0.25 (mm)
Date Analyzed: 07/13/2015
GC Column (2): ID: (mm)
Time Analyzed: 13:55
Heated Purge: (Y/N) Y Cleanup (Y/N): N
Cleanup Types:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED
957	078506	6313.D	07/13/2015
953	078510	6315.D	07/13/2015

FORM 4-OR
METHOD BLANK SUMMARY

EPA SAMPLE NO.
LK1B

Lab Name:
Contract:
Lab Code : Case No.: - MA No.: SDG No.: 954
Analytical Method: VOA Level: LOW
Matrix: SOIL Lab Sample ID: 59MB
Instrument ID: V1 Lab File ID: 6317.D
Extraction Type: Date Extracted:
GC Column (1): DB-624 ID: 0.25 (mm) Date Analyzed: 07/14/2015
GC Column (2): ID: (mm) Time Analyzed: 00:29
Heated Purge: (Y/N) Y Cleanup (Y/N): N Cleanup Types:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED
954	078501	6323.D	07/14/2015
955	078502	6324.D	07/14/2015
956	078505	6325.D	07/14/2015
958	078507	6326.D	07/14/2015
959	078508	6327.D	07/14/2015
961	078509	6328.D	07/14/2015

FORM 4-OR
METHOD BLANK SUMMARY

EPA SAMPLE NO.
LK1E

Lab Name:
Contract:
Lab Code : Case No.: - MA No.: SDG No.: 954
Analytical Method: VOA Level: LOW
Matrix: SOIL Lab Sample ID: 93MB
Instrument ID: V1 Lab File ID: 6373.D
Extraction Type: Date Extracted:
GC Column (1): DB-624 ID: 0.25 (mm) Date Analyzed: 07/15/2015
GC Column (2): ID: (mm) Time Analyzed: 10:39
Heated Purge: (Y/N) Y Cleanup (Y/N): N Cleanup Types:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED
955MS	078503	6374.D	07/15/2015
955MSD	078504	6375.D	07/15/2015
BLK1F	96SB	6382.D	07/15/2015

FORM 5-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.

B1Z

Lab Name: Contract:

Lab Code : Case No.: MA No.: SDG No.: 954

Analytical Method: VOA Lab File ID: 6290.D

Instrument ID: V1 BFB/DFTPP: BFB

GC Column: DB-624 ID: 0.25 (mm)

Injection Date: 07/13/2015 Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 80.0% of mass 95	40.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.1 (0.16) 1
174	50.0 - 120.0% of mass 95	61.4
175	5.0 - 9.0% of mass 174	4.5 (7.33) 1
176	95.0 - 101% of mass 174	61.3 (99.84) 1
177	5.0 - 9.0% of mass 176	3.9 (6.36) 2

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
0051Z	0CAL01	6291.D	07/13/2015	10:24
0101Z	1CAL02	6292.D	07/13/2015	10:50
0501Z	2CAL03	6293.D	07/13/2015	11:17
1001Z	3CAL04	6294.D	07/13/2015	11:43
2001Z	4CAL05	6295.D	07/13/2015	12:10
0501A	7CCV	6296.D	07/13/2015	13:03
LK1A	5MB	6297.D	07/13/2015	13:55
957	078506	6313.D	07/13/2015	22:18
953	078510	6315.D	07/13/2015	23:10
0501B	8CCV	6316.D	07/13/2015	23:36
LK1B	9MB	6317.D	07/14/2015	00:29
954	078501	6323.D	07/14/2015	04:27
955	078502	6324.D	07/14/2015	04:53
956	078505	6325.D	07/14/2015	06:12
958	078507	6326.D	07/14/2015	06:39
959	078508	6327.D	07/14/2015	07:05
961	078509	6328.D	07/14/2015	07:32
0501C	1CCV	6330.D	07/14/2015	09:43

FORM 5-OR

GC/MS INSTRUMENT PERFORMANCE CHECK

EPA SAMPLE NO.

B1E

Lab Name: Contract:

Lab Code : Case No.: MA No.: SDG No.: 954

Analytical Method: VOA Lab File ID: 6371.D

Instrument ID: V1 BFB/DFTPP: BFB

GC Column: DB-624 ID: 0.25 (mm)

Injection Date: 07/15/2015 Injection Time: 09:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 80.0% of mass 95	40.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.1 (0.16) 1
174	50.0 - 120.0% of mass 95	61.4
175	5.0 - 9.0% of mass 174	4.7 (7.65) 1
176	95.0 - 101% of mass 174	61.8 (100.65 1
177	5.0 - 9.0% of mass 176	4.2 (6.8) 2

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
0501E	5CCV	6372.D	07/15/2015	09:46
LK1E	3MB	6373.D	07/15/2015	10:39
955MS	078503	6374.D	07/15/2015	11:05
955MSD	078504	6375.D	07/15/2015	11:32
LK1F	6SB	6382.D	07/15/2015	14:36
0501F	7CCV	6394.D	07/15/2015	19:54

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME STUDY

Lab Name: Contract:

Lab Code : Case No.: MA No.: SDG No.: 954

Analytical Method: VOA Level: LOW

EPA Sample No. (SSTD####) 0501A Lab File ID (Standard): 6296.D

Instrument ID V1 Init. Calib. Date(s) 07/13/2015 07/13/2015

GC Column: DB-624 ID: 0.25 (mm) Date Analyzed: 07/13/2015

Heated Purge: (Y/N) Y Time Analyzed: 13:03

	IS1 AREA	RT	IS2 AREA	RT	IS3 AREA	RT
12 HOUR STD	201152	9.630	582385	4.300	471178	7.050
UPPER LIMIT	402304	10.130	1164770	4.800	942356	7.550
LOWER LIMIT	100576	9.130	291193	3.800	235589	6.550
EPA SAMPLE NO.						
LK1A	236633	9.620	716712	4.310	559289	7.040
957	184733	9.630	584283	4.300	473365	7.040
953	188336	9.640	568019	4.310	467117	7.050

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

FORM 8A-OR
INTERNAL STANDARD AREA AND RETENTION TIME STUDY

Lab Name: Contract:

Lab Code : Case No.: MA No.: SDG No.: 954

Analytical Method: VOA Level: LOW

EPA Sample No. (SSTD####) 0501B Lab File ID (Standard): 6316.D

Instrument ID V1 Init. Calib. Date(s) 07/13/2015 07/13/2015

GC Column: DB-624 ID: 0.25 (mm) Date Analyzed: 07/13/2015

Heated Purge: (Y/N) Y Time Analyzed: 23:36

	IS1 AREA	RT	IS2 AREA	RT	IS3 AREA	RT
12 HOUR STD	202026	9.630	581968	4.300	467846	7.050
UPPER LIMIT	404052	10.130	1163936	4.800	935692	7.550
LOWER LIMIT	101013	9.130	290984	3.800	233923	6.550
EPA SAMPLE NO.						
LK1B	214930	9.640	627541	4.310	519820	7.040
954	215774	9.640	680107	4.310	542161	7.050
955	150324	9.650	677766	4.310	478955	7.060
956	108535	9.630	663455	4.300	428311	7.050
958	134359	9.630	786516	4.300	505933	7.050
959	101575	9.630	515155	4.300	354855	7.050
961	131090	9.630	579169	4.300	411887	7.050

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

FORM 8A-OR

INTERNAL STANDARD AREA AND RETENTION TIME STUDY

Lab Name: | Contract:

Lab Code : | Case No.: | MA No.: | SDG No.: 954

Analytical Method: VOA | Level: LOW

EPA Sample No. (SSTD####) 0501E | Lab File ID (Standard): 6372.D

Instrument ID V1 | Init. Calib. Date(s) 07/13/2015 07/13/2015

GC Column: DB-624 ID: 0.25 (mm) | Date Analyzed: 07/15/2015

Heated Purge: (Y/N) Y | Time Analyzed: 09:46

	IS1 AREA	RT	IS2 AREA	RT	IS3 AREA	RT
12 HOUR STD	220447	9.630	636205	4.330	513675	7.060
UPPER LIMIT	440894	10.130	1272410	4.830	1027350	7.560
LOWER LIMIT	110224	9.130	318103	3.830	256838	6.560
EPA SAMPLE NO.						
LK1E	228919	9.640	672245	4.310	530336	7.060
955MS	123995	9.650	475368	4.320	347960	7.060
955MSD	138254	9.660	461057	4.320	361264	7.070
BLK1F	267988	9.640	787451	4.310	624941	7.060

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
953

Lab Name:
Contract:
Lab Code : Case No.: MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 078510
Sample wt/vol: 5.00 (g/mL) g
Lab File ID: 6315.D
% Solids:
Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/13/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	39	
74-83-9	Bromomethane	30	
75-00-3	Chloroethane	25	
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	95	
75-15-0	Carbon disulfide	38	
79-20-9	Methyl Acetate	21	
75-09-2	Methylene chloride	42	
156-60-5	trans-1,2-Dichloroethene	36	
1634-04-4	tert-Butyl Methyl Ether	62	
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	27	
71-55-6	1,1,1-Trichloroethane	25	
110-82-7	Cyclohexane	94	
56-23-5	Carbon tetrachloride	13	
71-43-2	Benzene	50	
107-06-2	1,2-Dichloroethane	44	
79-01-6	Trichloroethene	39	
108-87-2	Methyl Cyclohexane	75	
78-87-5	1,2-Dichloropropane	71	

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
953

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078510
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6315.D
% Solids: | Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): ID: (mm) | Date Analyzed 07/13/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	40	
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	48	
127-18-4	Tetrachloroethene	49	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	39	
106-93-4	1,2-Dibromoethane(EDB)	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	40	
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	36	
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene (Cumene)	49	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	79	
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	18	
120-82-1	1,2,4-Trichlorobenzene	110	
74-97-5	Bromochloromethane	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
953

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078510
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6315.D
% Solids: | Date Received: 07/08/2015
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/13/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): ug/Kg | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	109-87-5	Methylal	2.149	210	NJ
02	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150713A.B\ 6315.D
Report Date: 15-Jul-2015 11:31

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713A.B\ 6315.D
Lab Smp Id: 078510 Client Smp ID: 953
Inj Date : 13-JUL-2015 23:10
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : SG, 078510,,881
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713A.B\ _S.m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 79 Vinyl Chloride-d3	65	1.331	1.345	(0.309)	228150	48.7519	49
3 Vinyl Chloride	62	1.341	1.335	(0.312)	263841	39.4133	39
4 Bromomethane	94	1.568	1.582	(0.364)	86803	29.5887	30(Q)
$ 80 Chloroethane-d5	69	1.627	1.621	(0.378)	165259	47.5187	48
5 Chloroethane	64	1.627	1.650	(0.378)	91485	24.5549	25
$ 81 1,1-Dichloroethene-d2	65	2.090	2.104	(0.485)	99923	51.5849	52(Q)
9 Acetone	43	2.129	2.133	(0.495)	240807	94.9768	95
10 Carbon Disulfide	76	2.257	2.261	(0.524)	684203	37.9046	38
11 Methyl Acetate	43	2.356	2.360	(0.547)	102571	20.7469	21
12 Methylene Chloride	84	2.425	2.419	(0.563)	237504	42.3206	42
13 trans-1,2-Dichloroethene	96	2.612	2.616	(0.607)	171362	35.7416	36
14 Methyl tert-Butyl Ether	73	2.612	2.616	(0.607)	671704	61.8046	62
$ 82 2-Butanone-d5	46	3.282	3.285	(0.762)	290147	91.0967	91
$ 83 Chloroform-d	84	3.538	3.542	(0.822)	349759	51.4730	51
19 Chloroform	83	3.548	3.551	(0.824)	203453	27.0169	27
20 1,1,1-Trichloroethane	97	3.705	3.709	(0.525)	98337	25.3185	25
21 Cyclohexane	56	3.754	3.758	(0.532)	903249	93.9321	94
22 Carbon Tetrachloride	117	3.833	3.837	(0.543)	46303	13.3410	13
$ 23 1,2-Dichloroethane-d4	65	3.932	3.936	(0.913)	179496	51.8563	52
$ 84 Benzene-d6	84	3.961	3.965	(0.562)	925893	52.7560	53
25 Benzene	78	3.991	3.995	(0.566)	1000211	50.0804	50

Data File: \\ \organics\V1.I\150713A.B 6315.D
Report Date: 15-Jul-2015 11:31

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	24	1,2-Dichloroethane	62	4.001	3.995	(0.929)	211925	43.9151	44
*	26	1,4-Difluorobenzene	114	4.306	4.300	(1.000)	568019	50.0000	
	27	Trichloroethene	95	4.523	4.527	(0.641)	177500	38.7271	39
$	85	1,2-Dichloropropane-d6	67	4.631	4.625	(0.657)	292046	49.6225	50
	28	Methylcyclohexane	83	4.700	4.694	(0.666)	536890	74.8101	75
	29	1,2-Dichloropropane	63	4.710	4.704	(0.668)	438828	70.8889	71
$	33	Toluene-d8	98	5.616	5.610	(0.796)	637499	51.1704	51
	34	Toluene	91	5.675	5.669	(0.805)	718705	40.0520	40
$	86	trans-1,3-Dichloropropene-d4	79	5.852	5.856	(0.830)	234853	48.8555	49
	36	1,1,2-Trichloroethane	97	6.059	6.053	(0.859)	170670	48.1116	48
	37	Tetrachloroethene	164	6.217	6.211	(0.881)	139366	48.7676	49
$	87	2-Hexanone-d5	63	6.276	6.270	(0.890)	166008	92.9768	93(Q)
	39	Dibromochloromethane	129	6.443	6.447	(0.913)	148412	38.6565	39
*	42	Chlorobenzene-d5	117	7.054	7.048	(1.000)	467117	50.0000	
	44	Ethylbenzene	91	7.212	7.206	(1.022)	766668	40.2045	40
	47	Styrene	104	7.773	7.777	(1.102)	405996	35.6886	36
	49	Isopropylbenzene	105	8.187	8.181	(1.161)	824325	49.0421	49
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.482	8.476	(1.202)	209054	48.6355	49
	52	1,3-Dichlorobenzene	146	9.556	9.560	(0.992)	528110	79.3360	79
*	78	1,4-Dichlorobenzene-d4	152	9.635	9.629	(1.000)	188336	50.0000	
$	90	1,2-Dichlorobenzene-d4	152	10.019	10.013	(1.040)	178954	51.5814	52
	55	1,2-Dibromo-3-chloropropane	75	10.797	10.801	(1.121)	10107	18.1613	18(Q)
	56	1,2,4-Trichlorobenzene	180	11.565	11.569	(1.200)	384563	105.322	110

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \organics\V1.I\150713A.B\ 6315.D
Report Date: 15-Jul-2015 11:31

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713A.B\ 6315.D
Lab Smp Id: 078510 Client Smp ID: 953
Inj Date : 13-JUL-2015 23:10
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : SG, 078510,,881
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713A.B\V _S.m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 26 1,4-Difluorobenzene	4.307	1382930	50.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Methylal				CAS #: 109-87-5			
2.149	5759788	208.245745	210	78	NIST11.L	933	26(L)

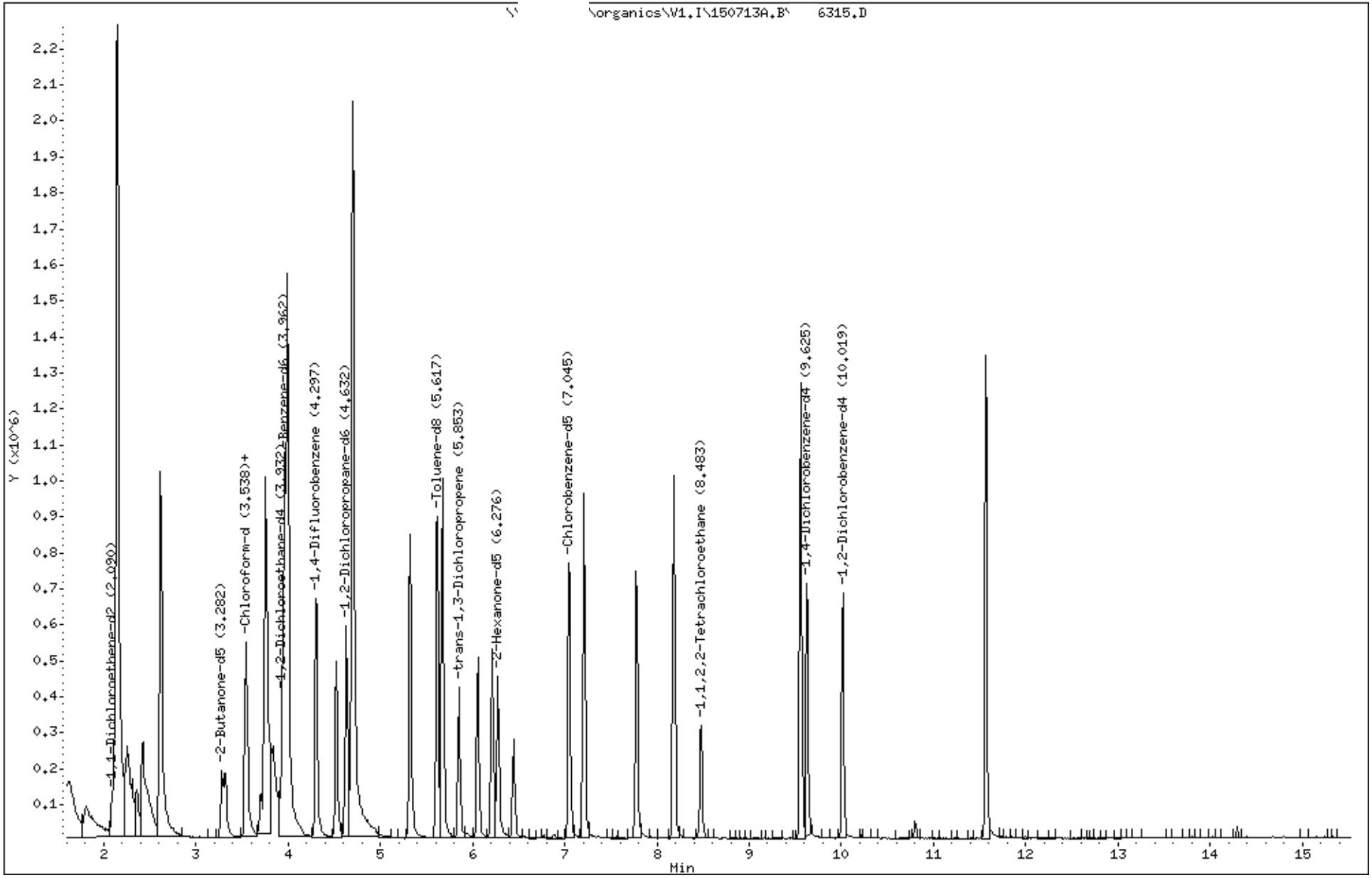
QC Flag Legend

L - Operator selected an alternate library search match.

Data File: \\ \organics\V1.I\150713A.B\ 6315.D
Date : 13-JUL-2015 23:10
Client ID: 953
Sample Info: 5G, 078510,,881

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

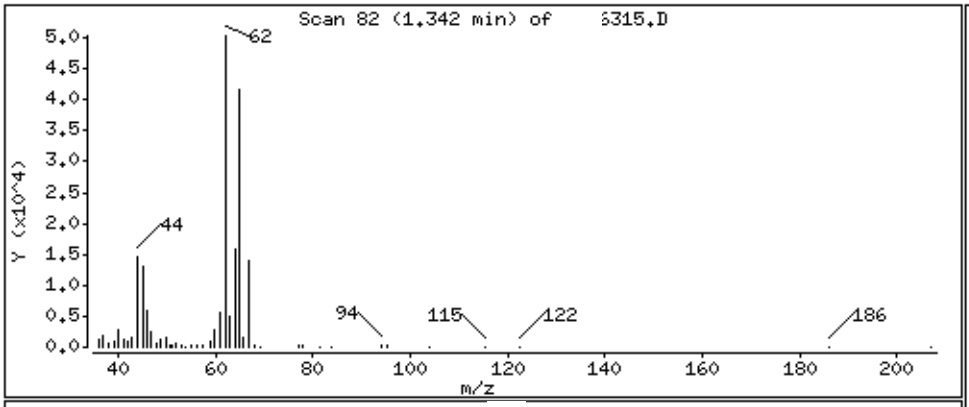
Client ID: 353 Instrument: V1.i

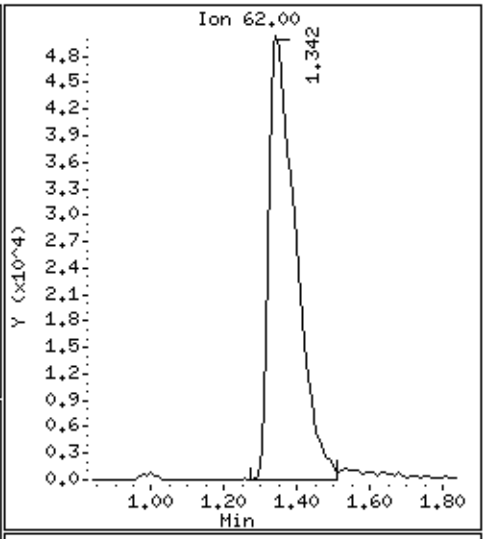
Sample Info: 5G, 078510,,881

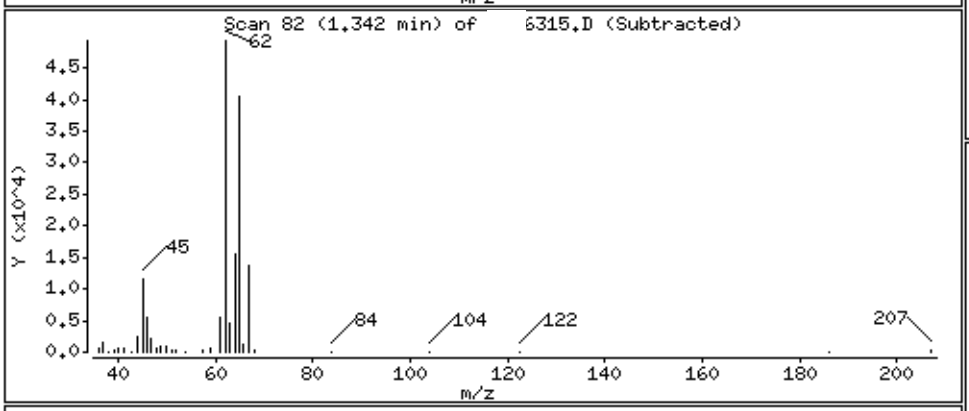
Operator: SRC: LIMS

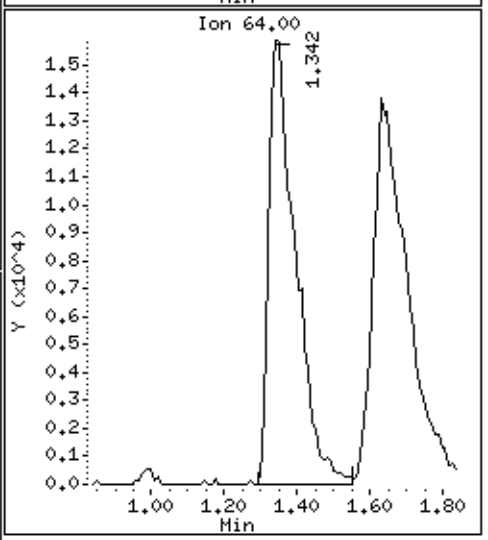
Column phase: DB-624 Column diameter: 0.25

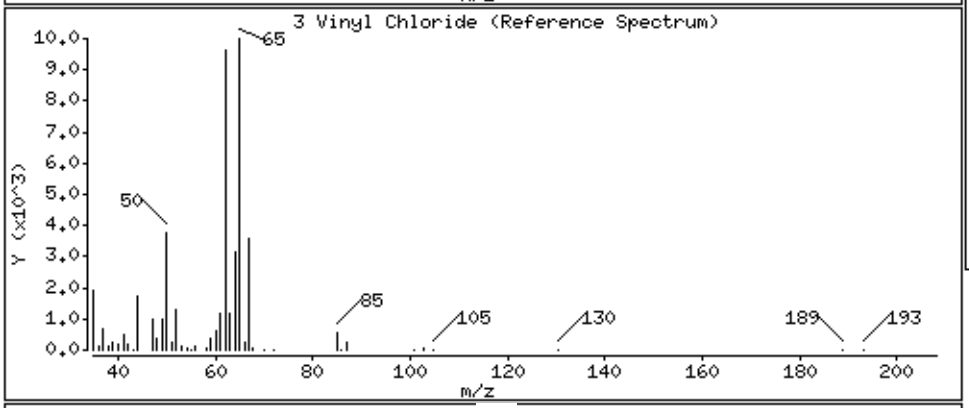
3 Vinyl Chloride Concentration: 39 ug/Kg

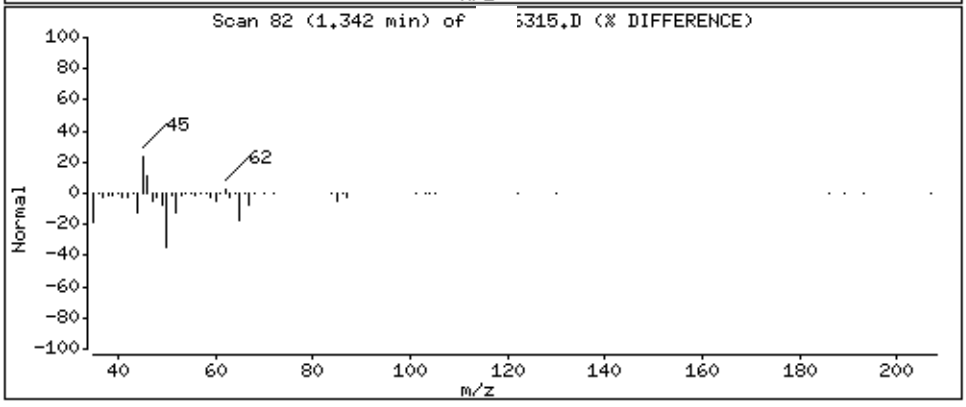












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

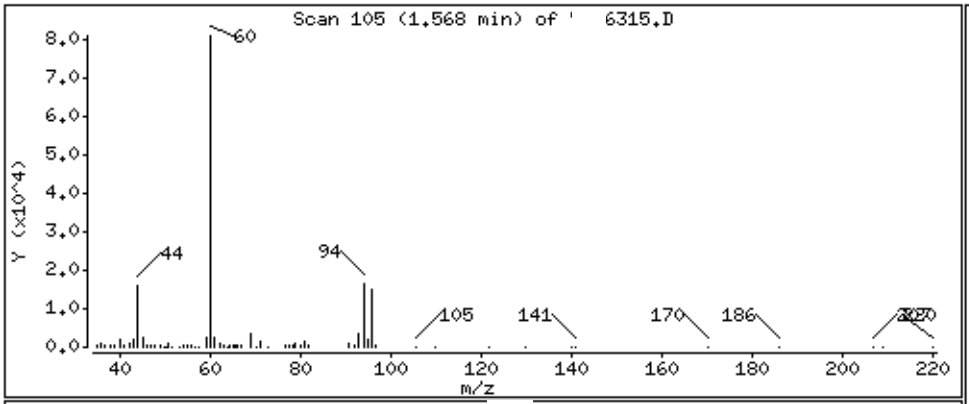
Client ID: 953 Instrument: V1.i

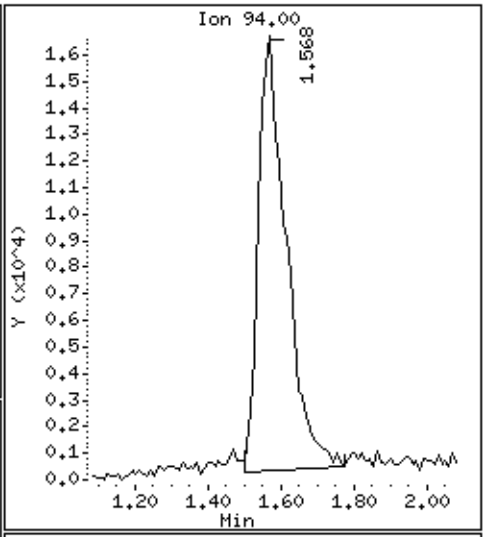
Sample Info: 5G,)78510,,881

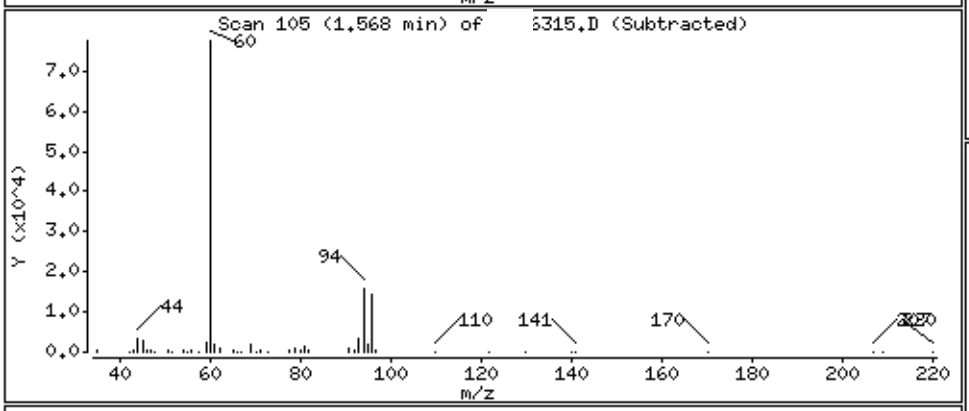
Operator: SRC: LIMS

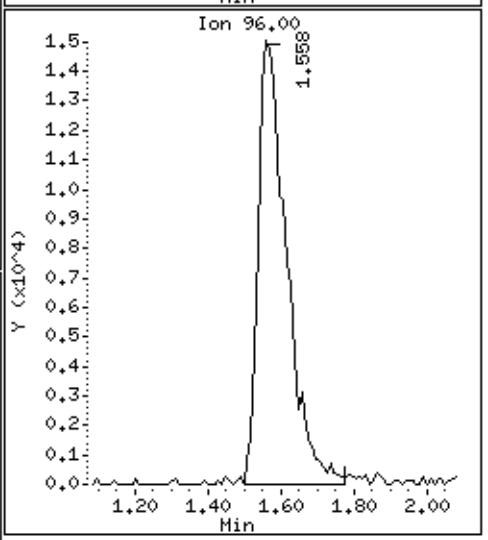
Column phase: DB-624 Column diameter: 0.25

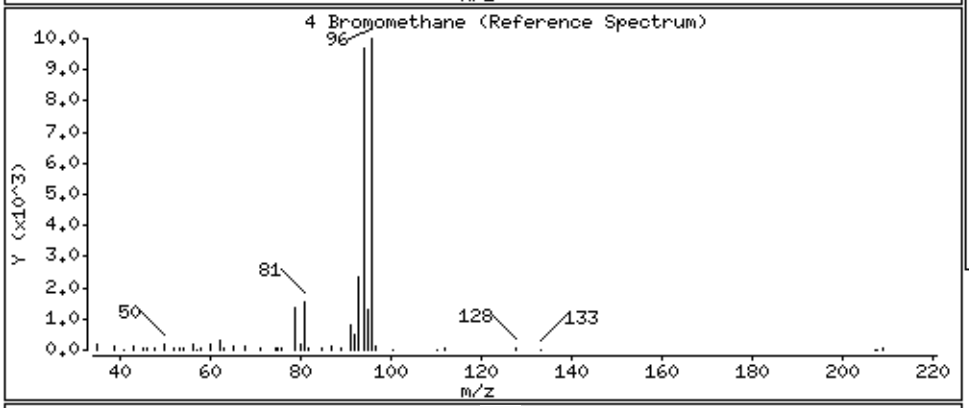
4 Bromomethane Concentration: 30 ug/Kg

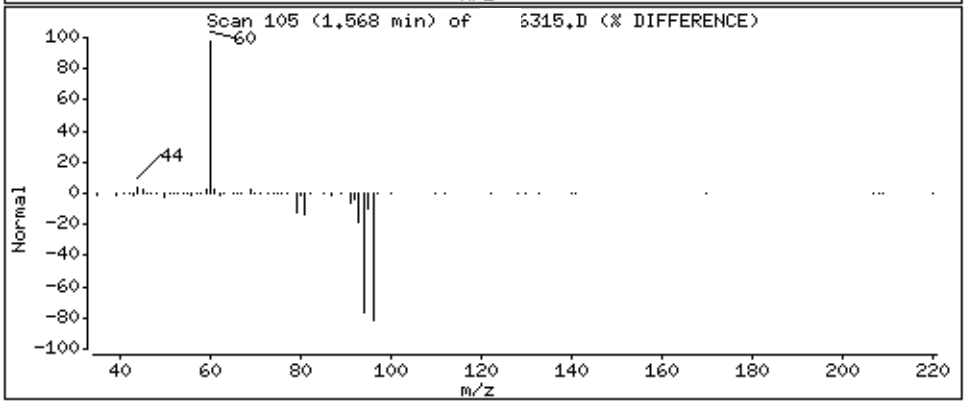












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

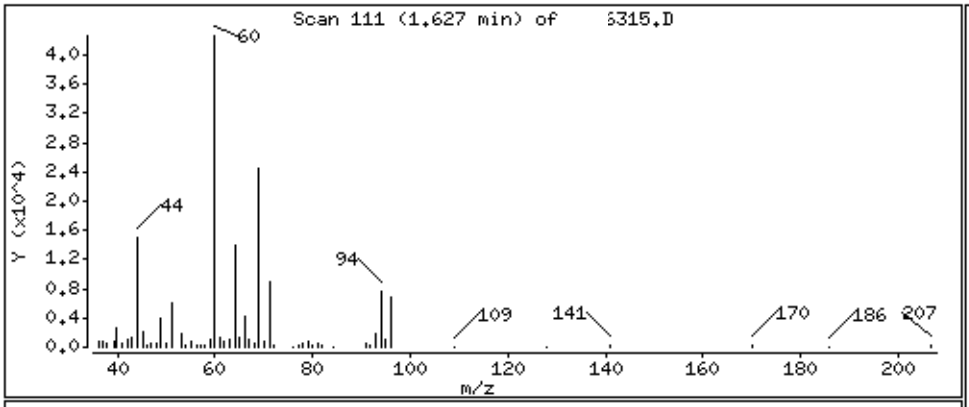
Client ID: 953 Instrument: V1.i

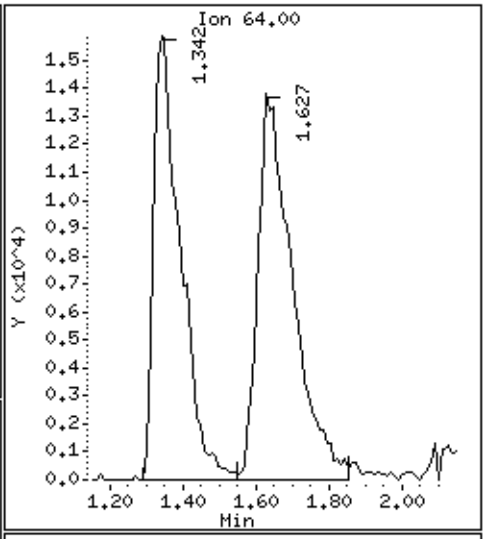
Sample Info: 5G, 078510,,881

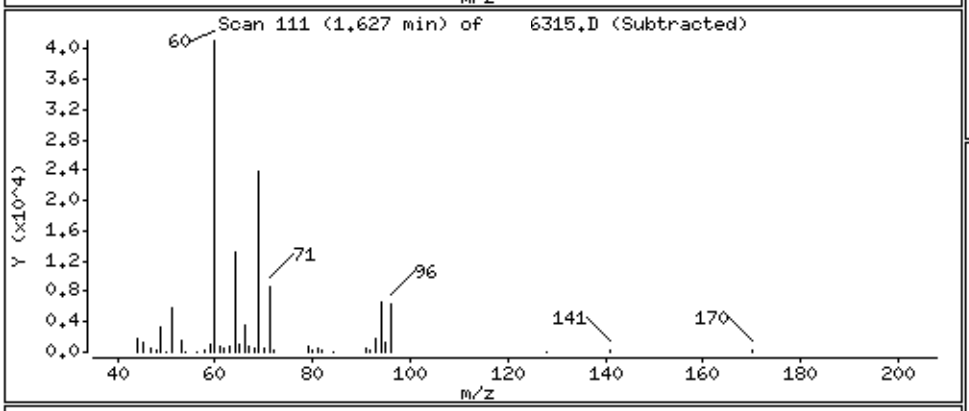
Operator: SRC: LIMS

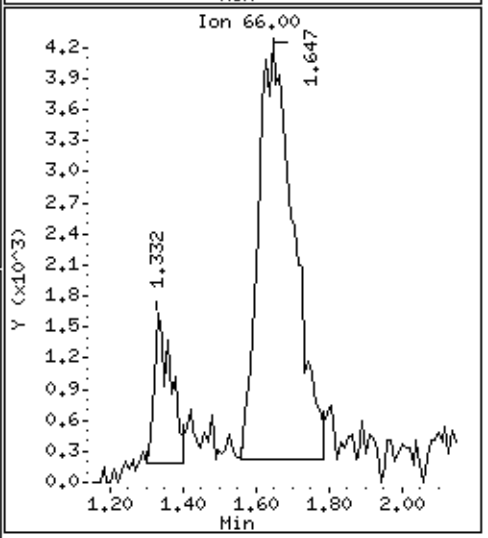
Column phase: DB-624 Column diameter: 0.25

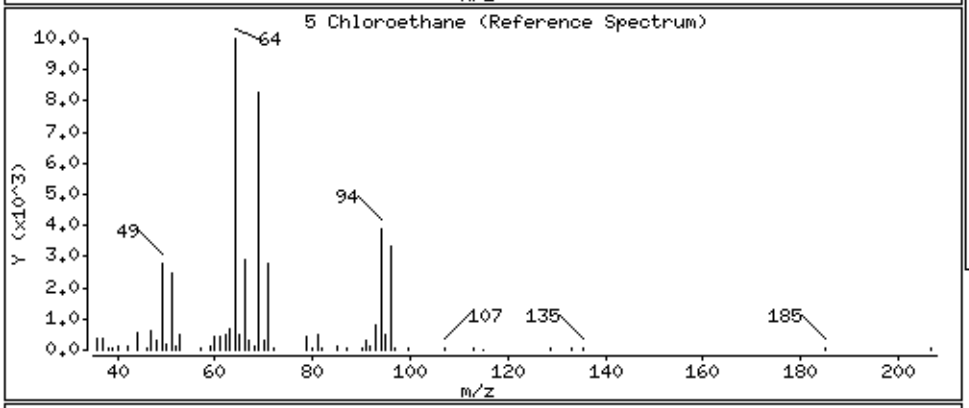
5 Chloroethane Concentration: 25 ug/Kg

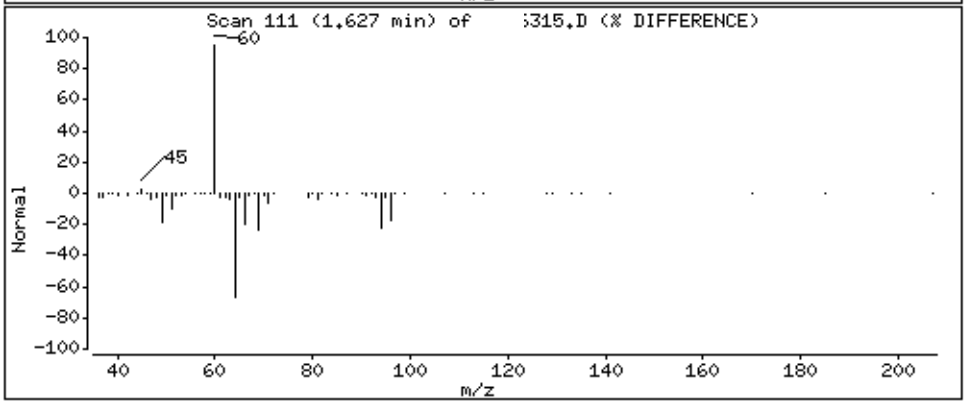












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

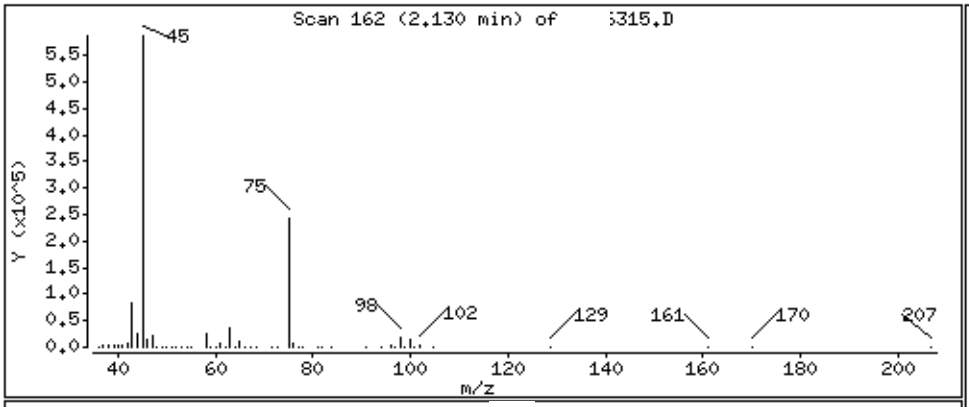
Client ID: 353 Instrument: V1.i

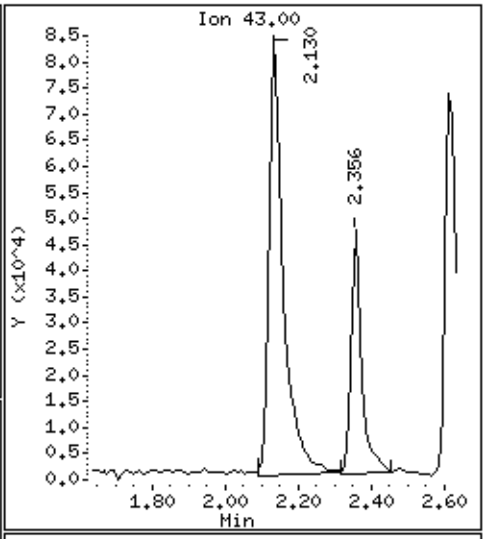
Sample Info: 5G, 078510,,881

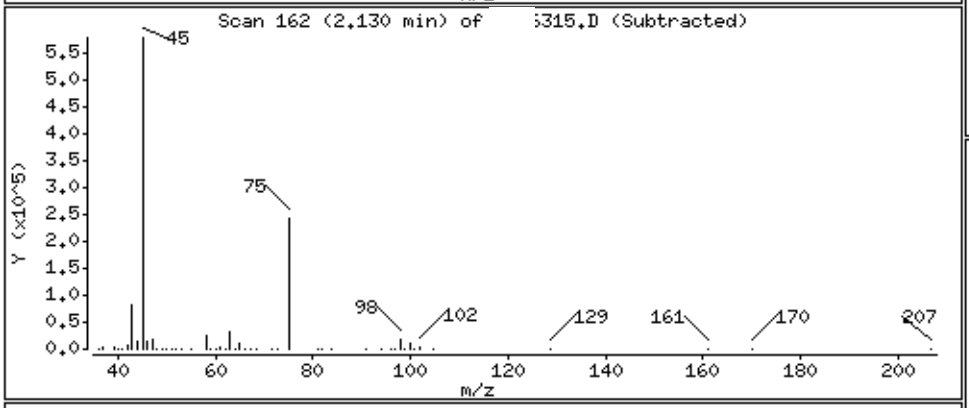
Operator: SRC: LIMS

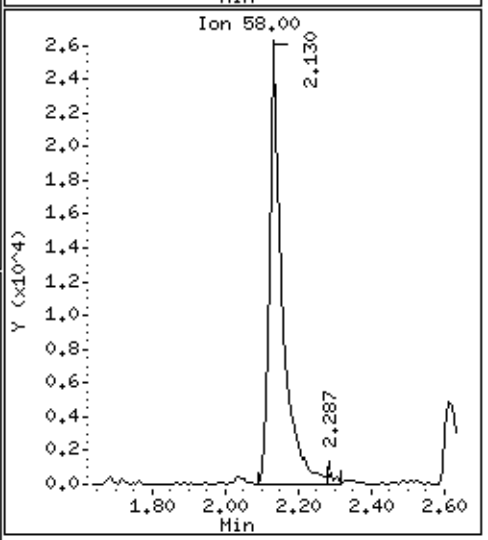
Column phase: DB-624 Column diameter: 0.25

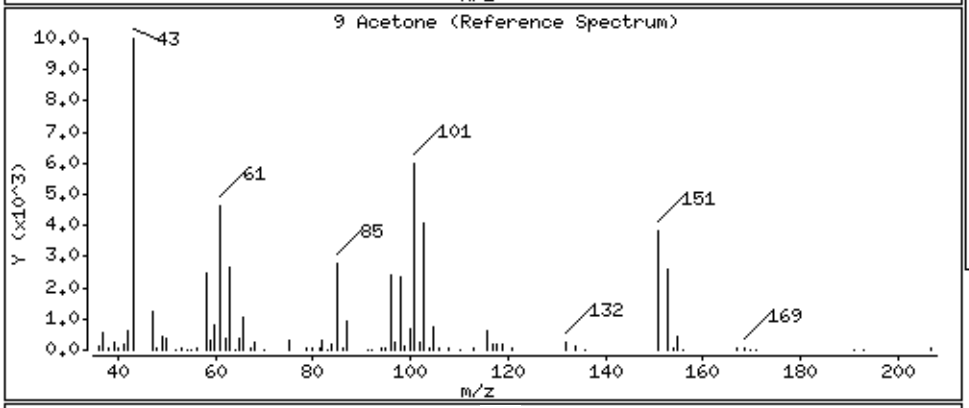
9 Acetone Concentration: 95 ug/Kg

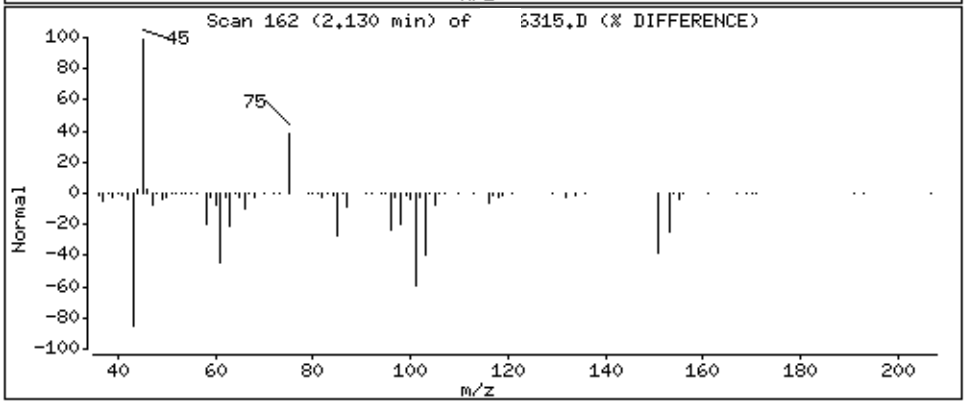












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

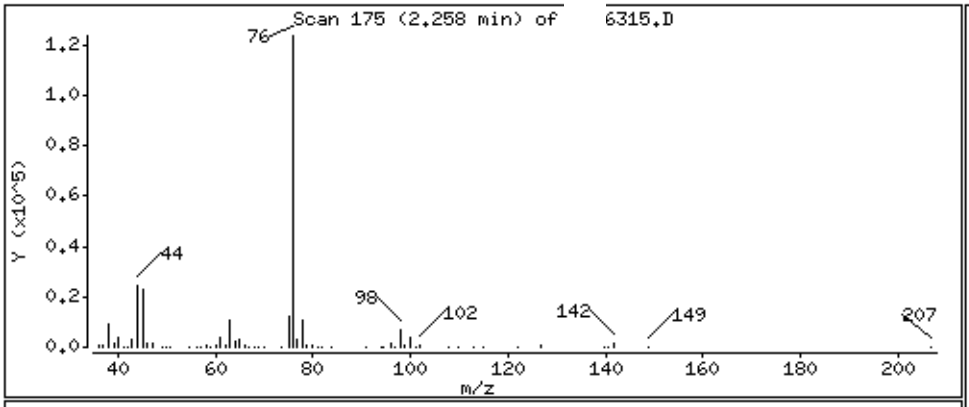
Client ID: 353 Instrument: V1.i

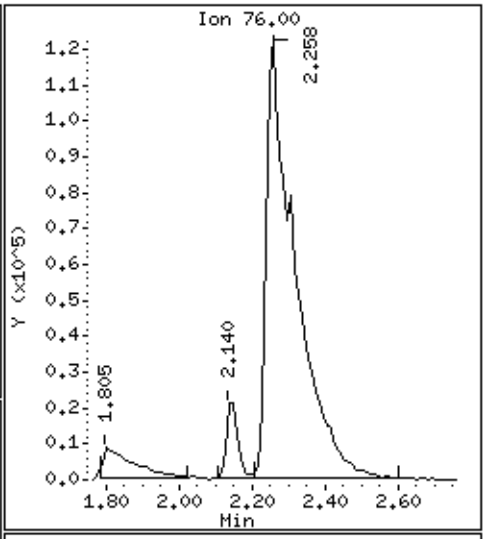
Sample Info: 5G, 078510,,881

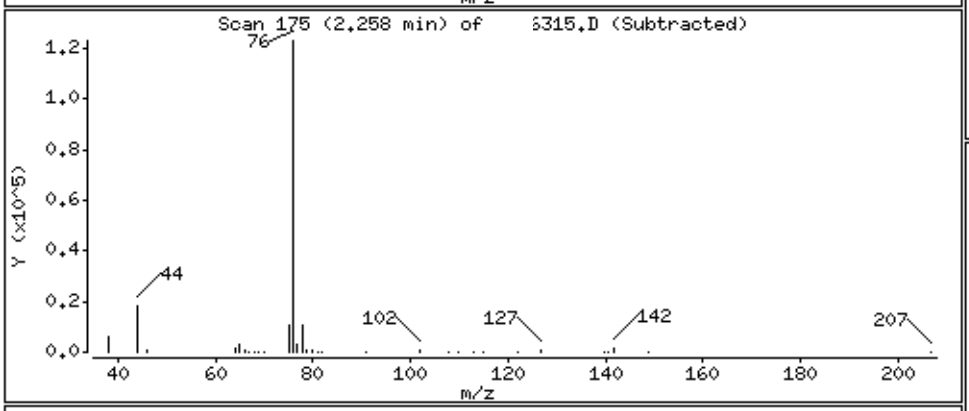
Operator: SRC: LIMS

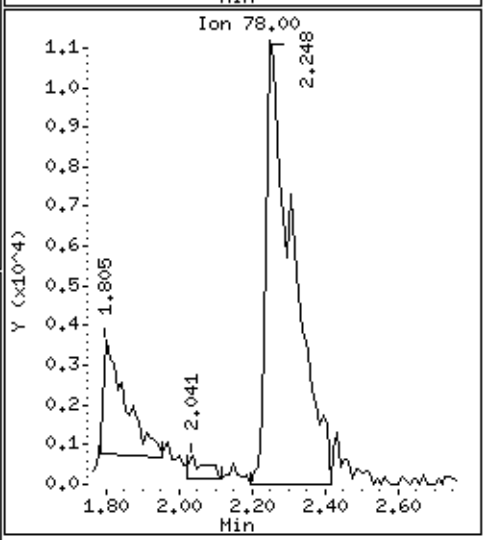
Column phase: DB-624 Column diameter: 0.25

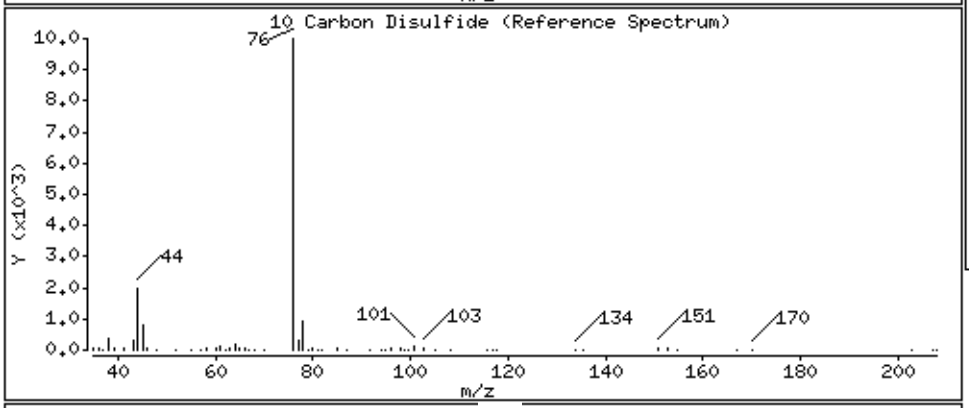
10 Carbon Disulfide Concentration: 38 ug/Kg

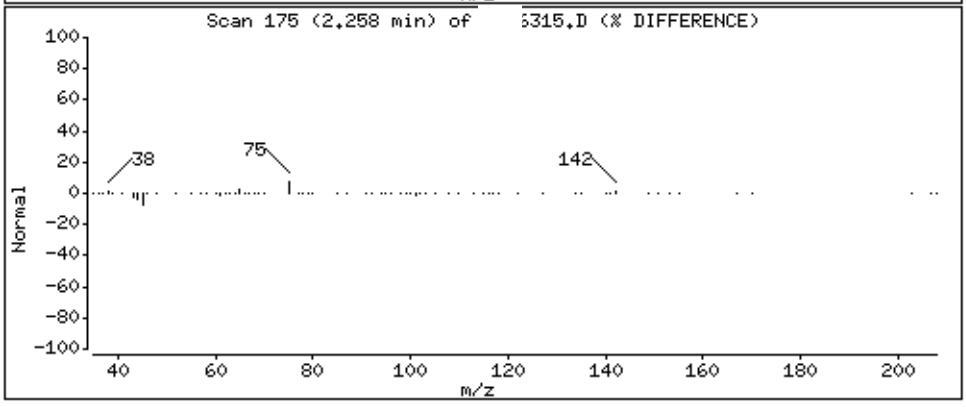












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

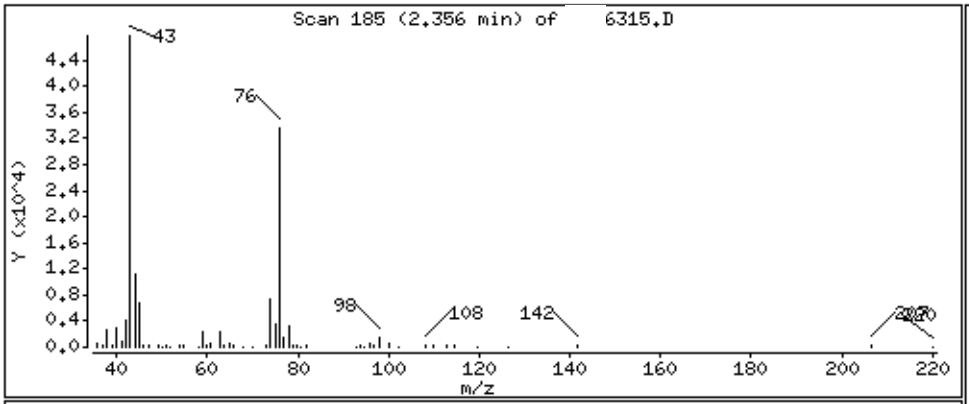
Client ID: 353 Instrument: V1.i

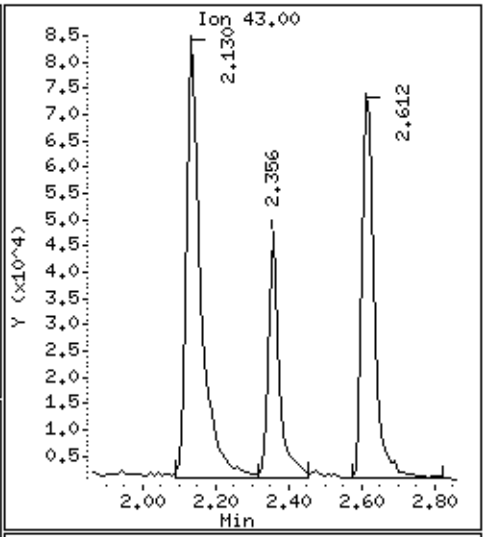
Sample Info: 5G, 078510,,881

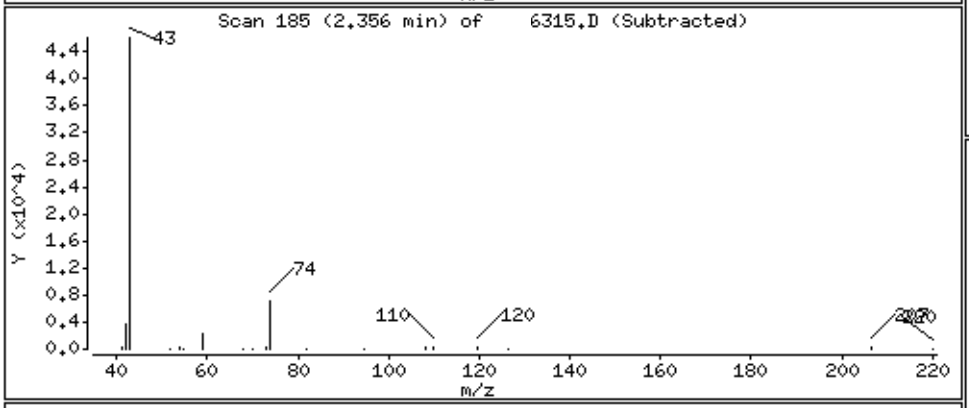
Operator: SRC: LIMS

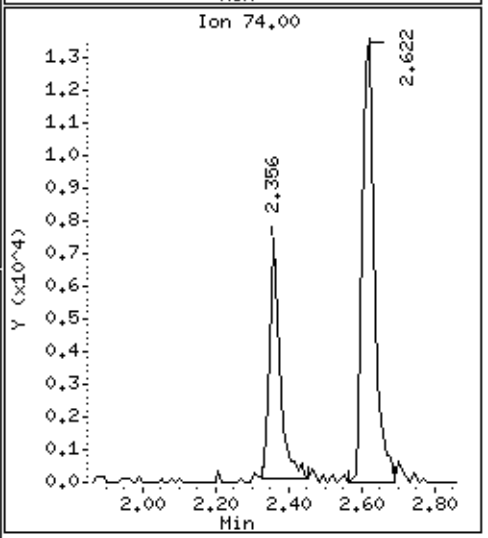
Column phase: DB-624 Column diameter: 0.25

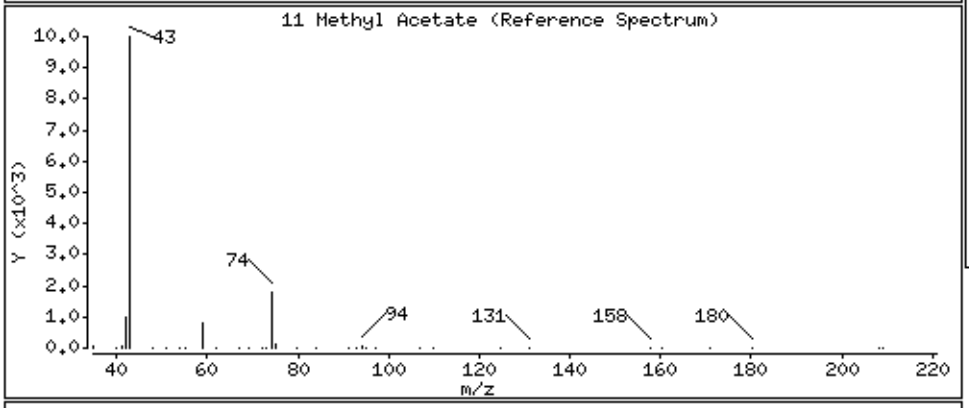
11 Methyl Acetate Concentration: 21 ug/Kg

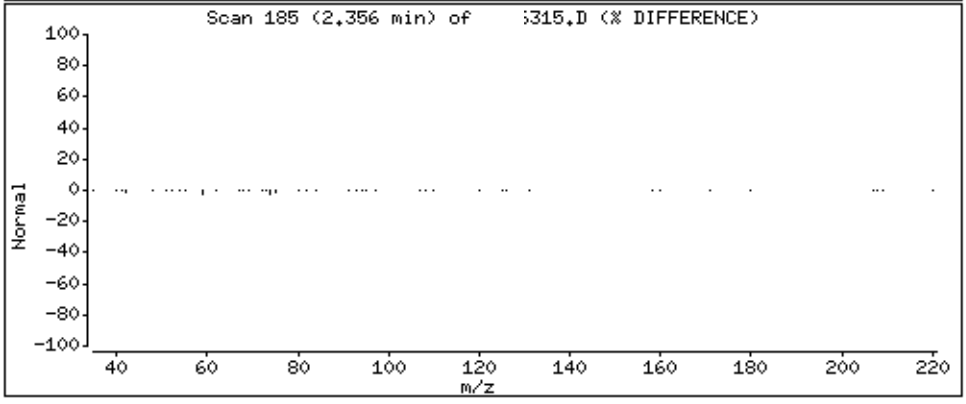












Data File: \\ .organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

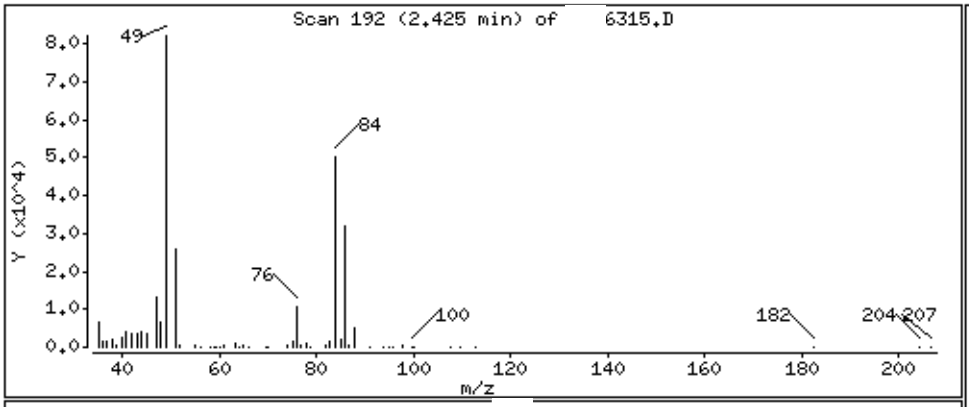
Client ID: 353 Instrument: V1.i

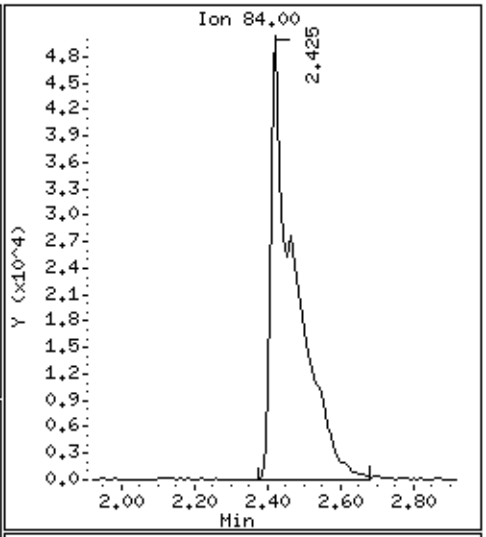
Sample Info: 5G, 078510,,881

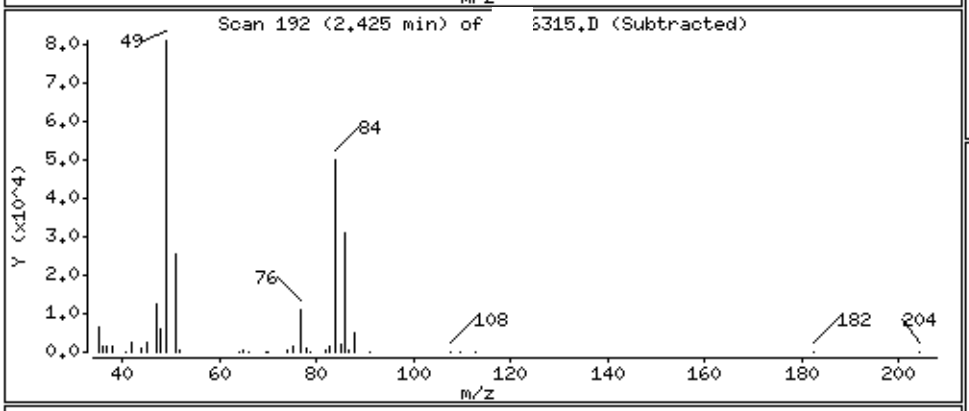
Operator: SRC: LIMS

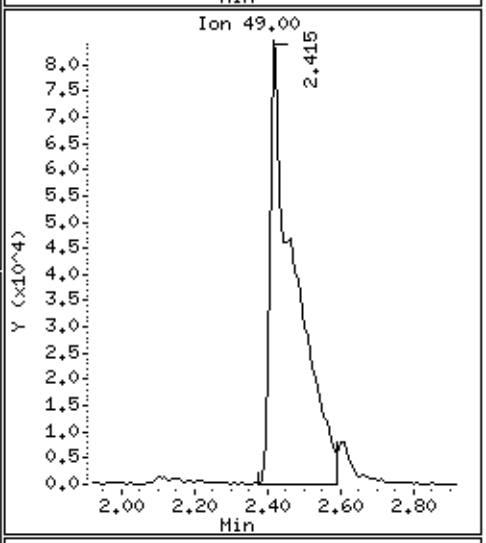
Column phase: DB-624 Column diameter: 0.25

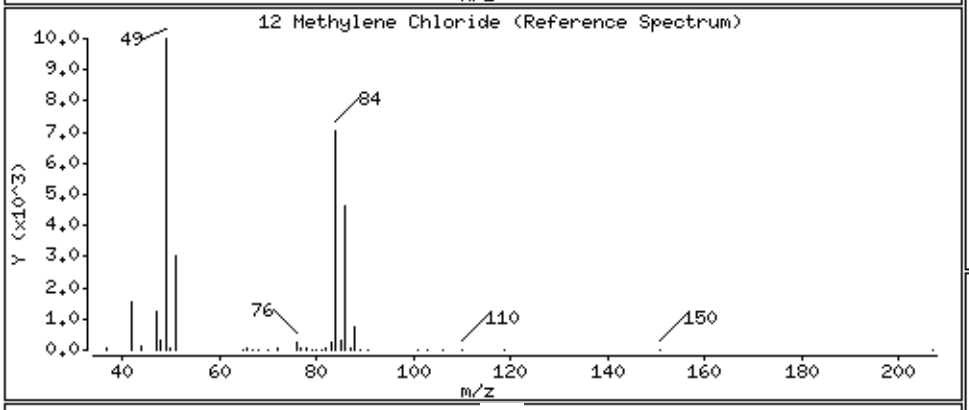
12 Methylene Chloride Concentration: 42 ug/Kg

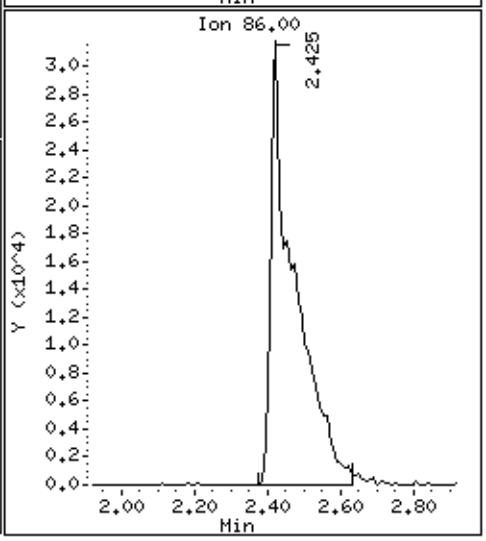


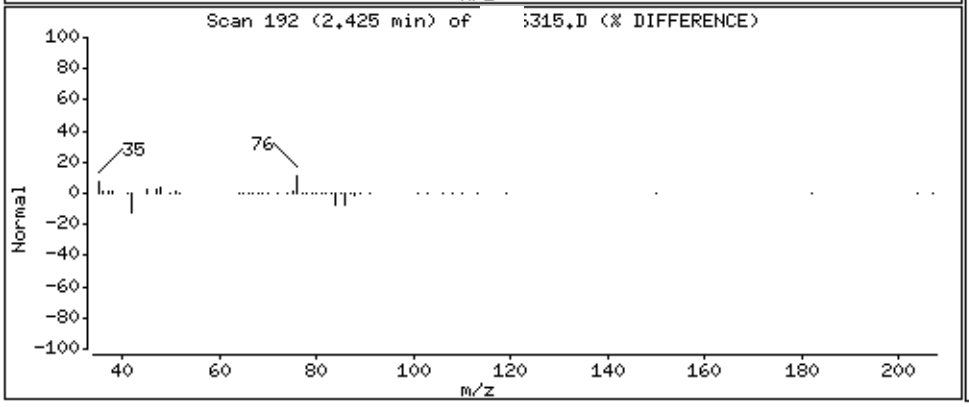












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

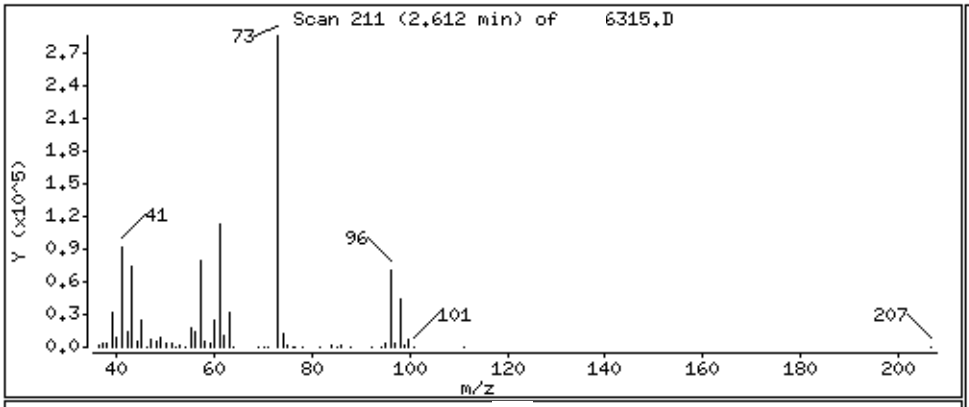
Client ID: 953 Instrument: V1.i

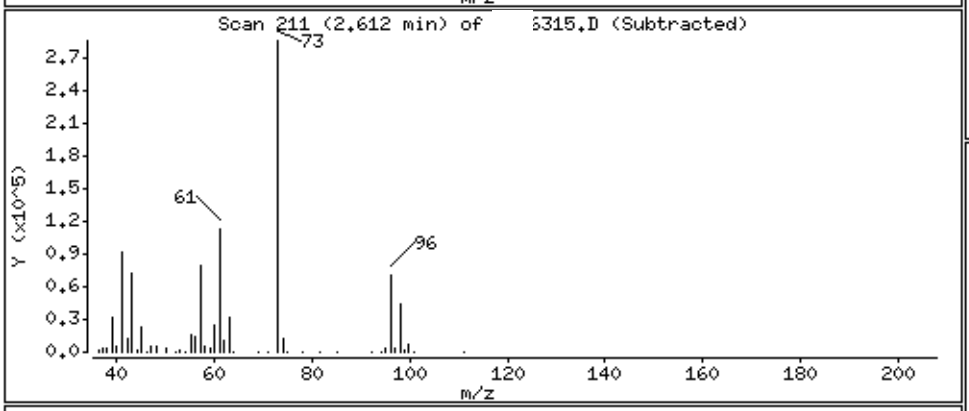
Sample Info: 5G, 078510,,881

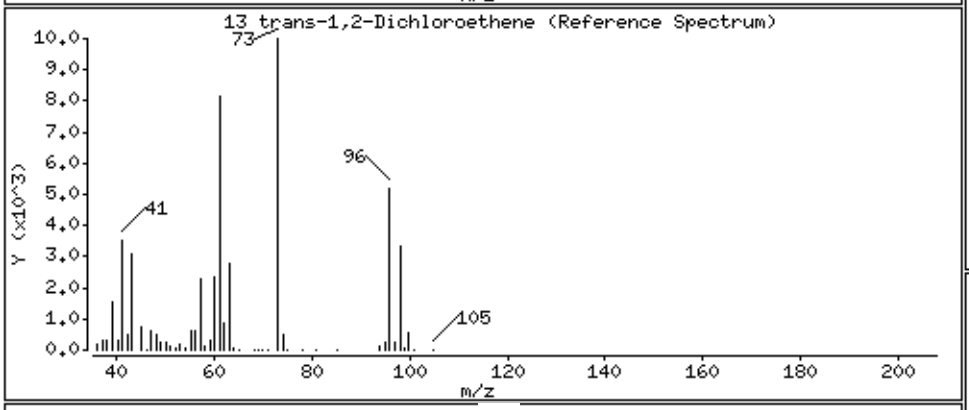
Operator: SRC: LIMS

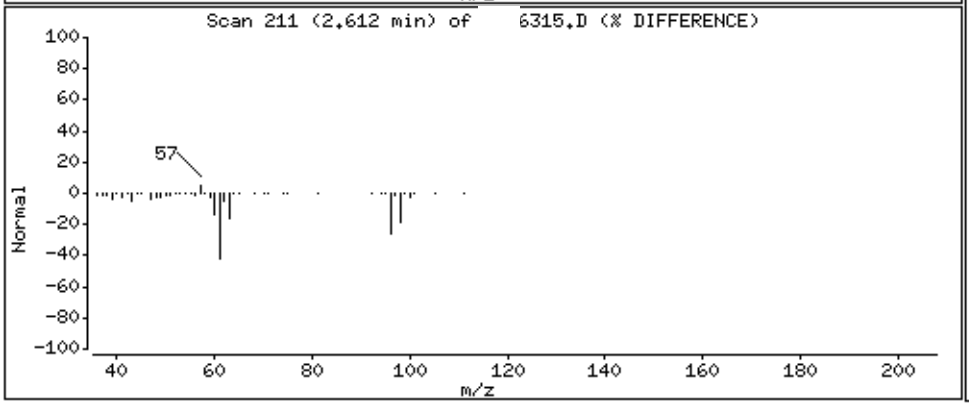
Column phase: DB-624 Column diameter: 0.25

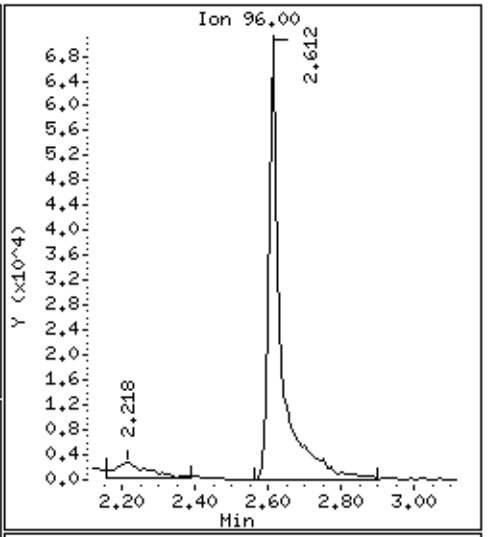
13 trans-1,2-Dichloroethene Concentration: 36 ug/Kg

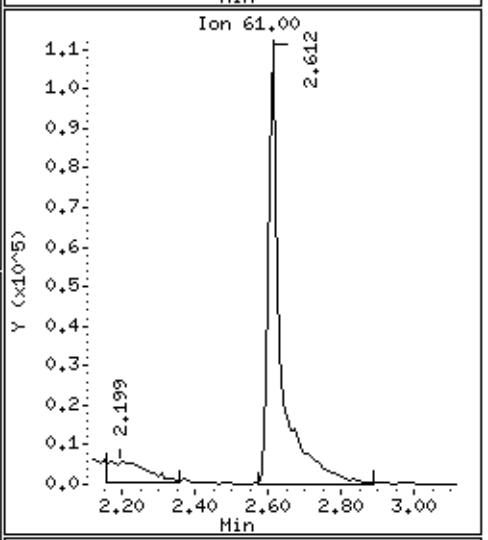


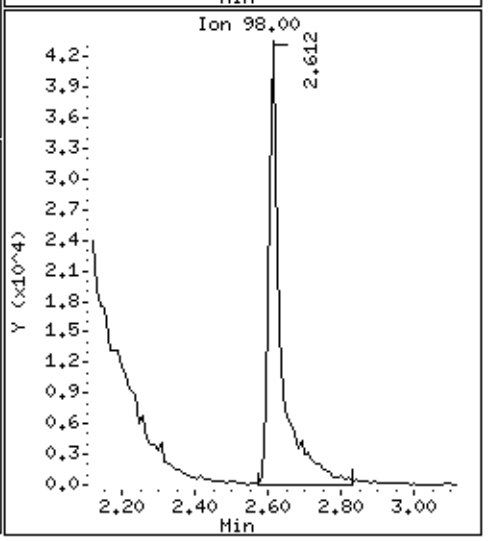












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

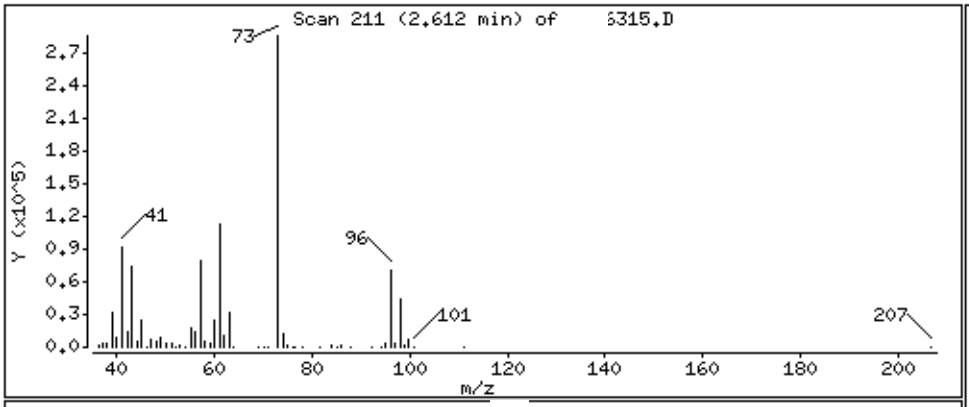
Client ID: 953 Instrument: V1.i

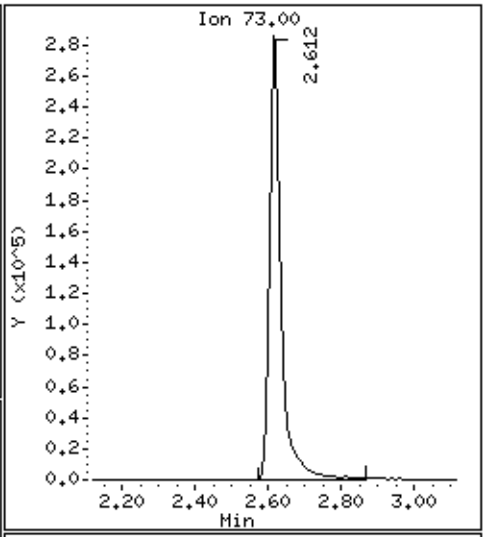
Sample Info: 5G, 078510,,881

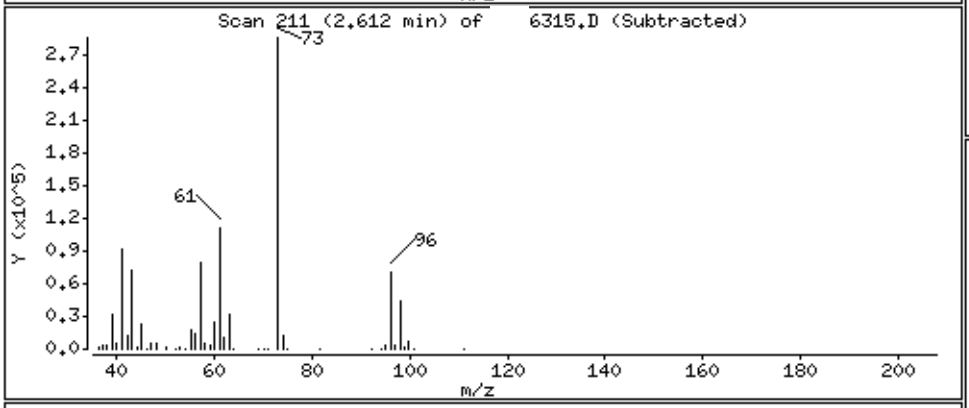
Operator: SRC: LIMS

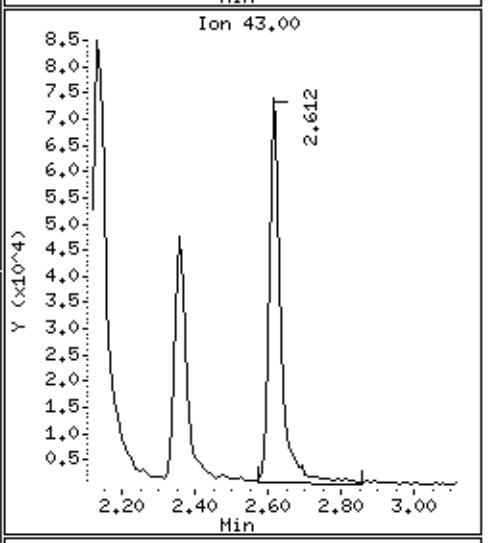
Column phase: DB-624 Column diameter: 0.25

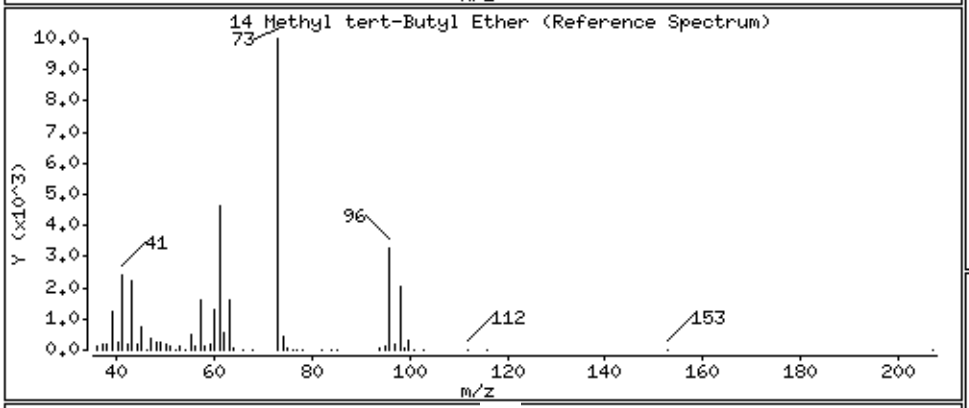
14 Methyl tert-Butyl Ether Concentration: 62 ug/Kg

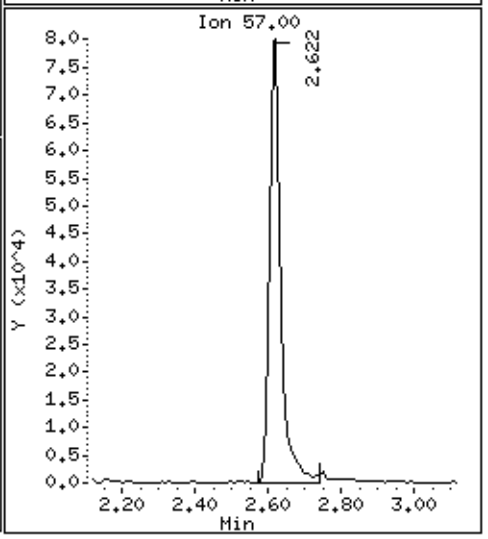


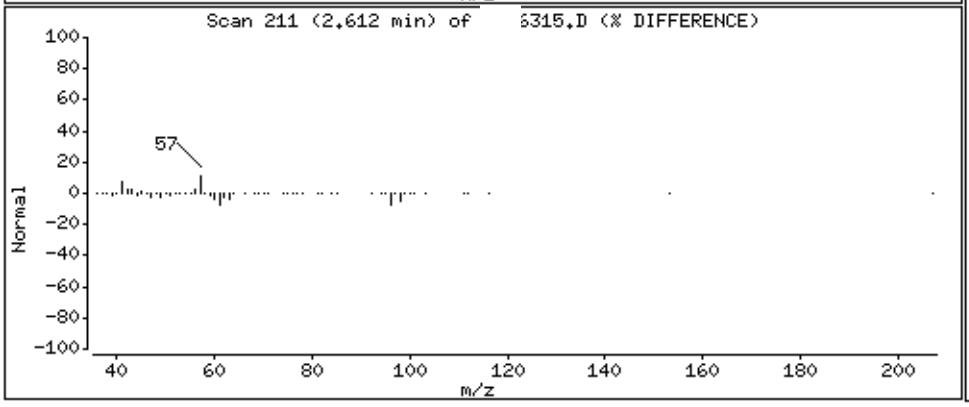












Data File: \' \organics\V1.I\150713A.B\ 5315.D

Date : 13-JUL-2015 23:10

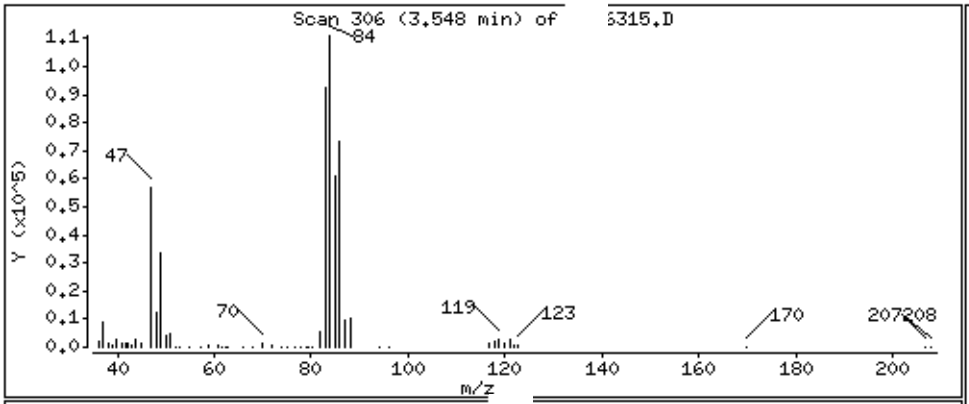
Client ID: 353 Instrument: V1.i

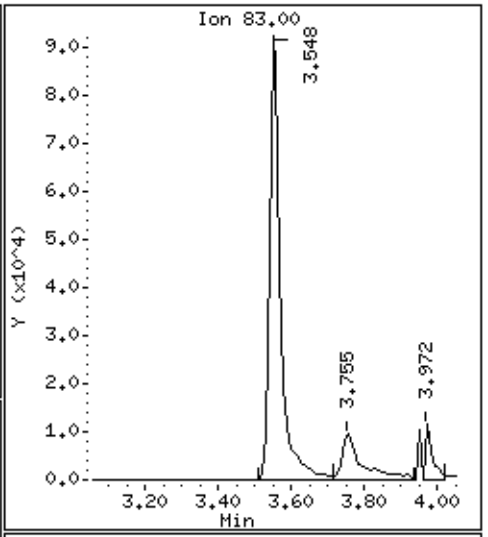
Sample Info: 5G, 078510,,881

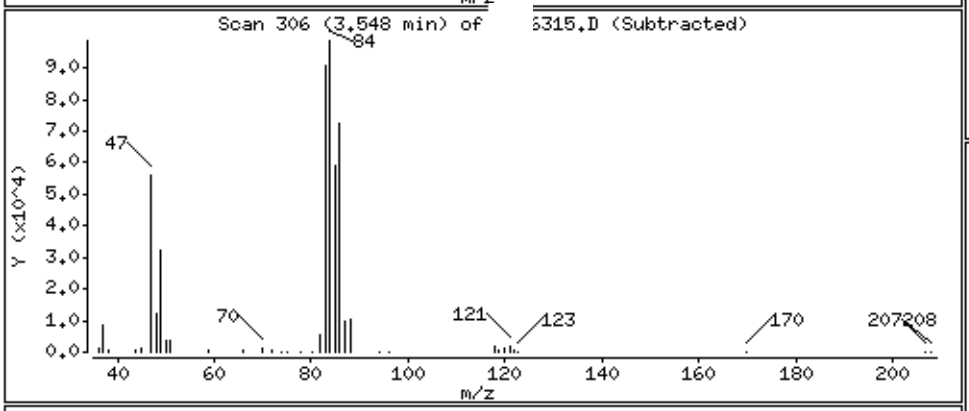
Operator: SRC: LIMS

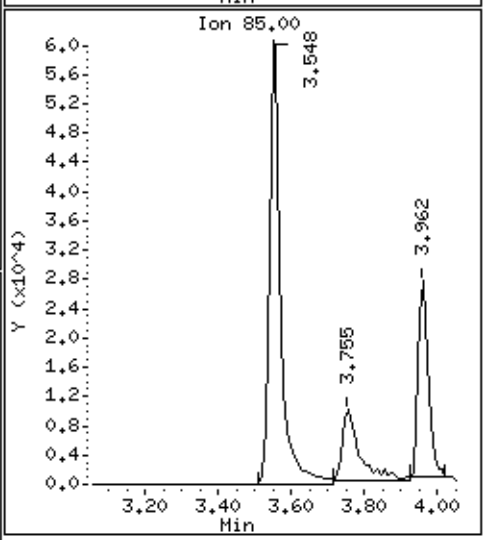
Column phase: DB-624 Column diameter: 0.25

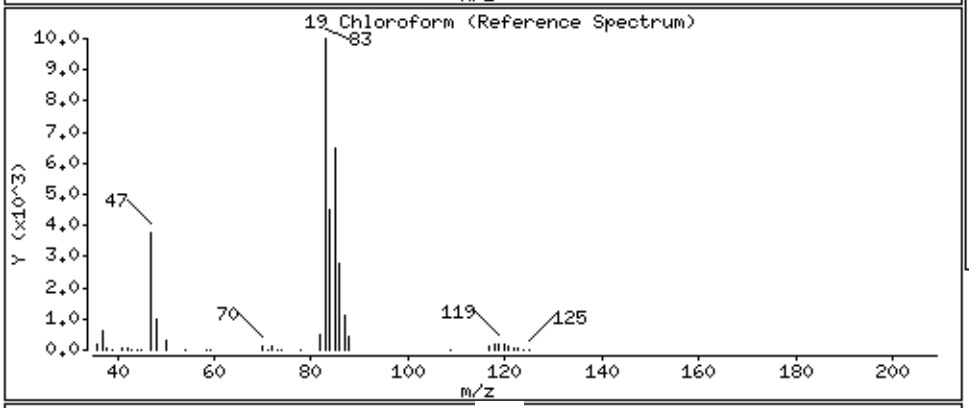
19 Chloroform Concentration: 27 ug/Kg

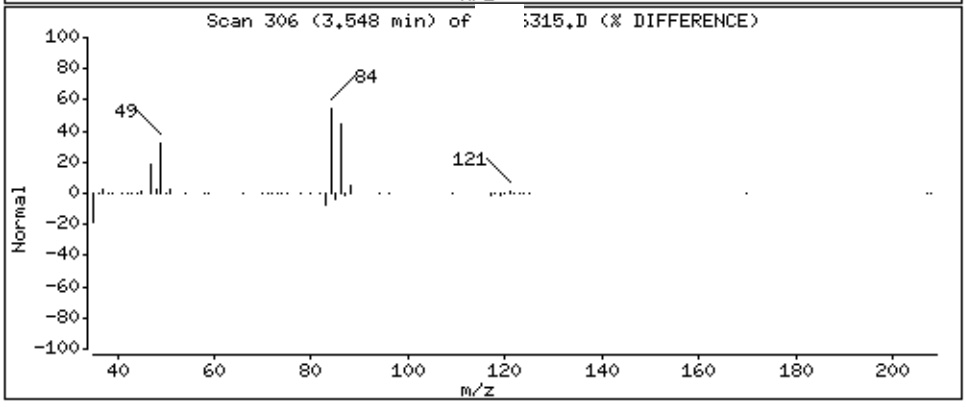












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

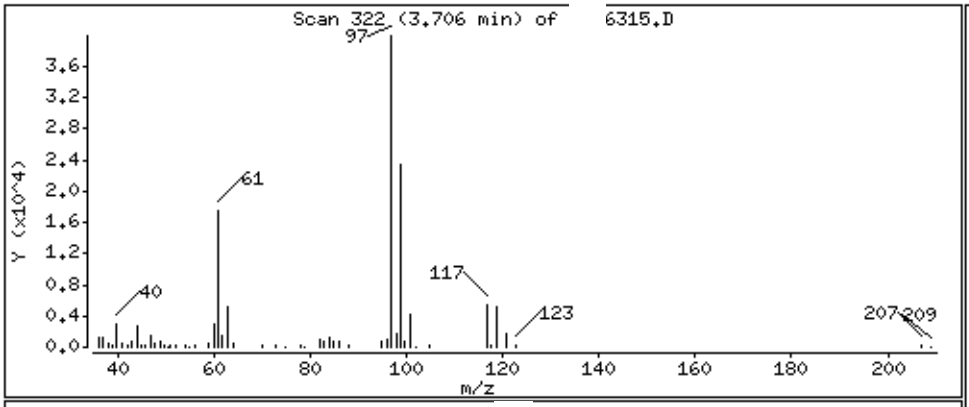
Client ID: 953 Instrument: V1.i

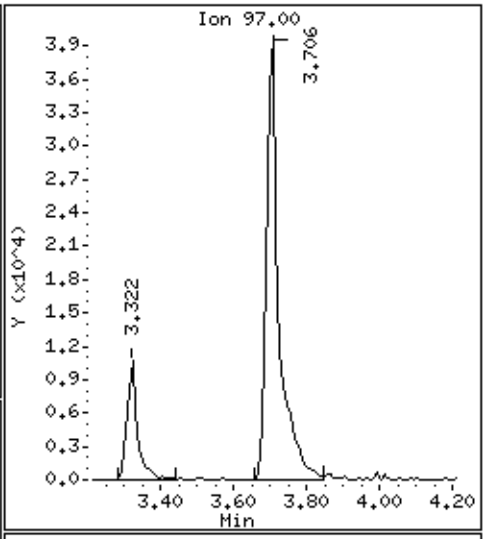
Sample Info: 5G, 078510,,881

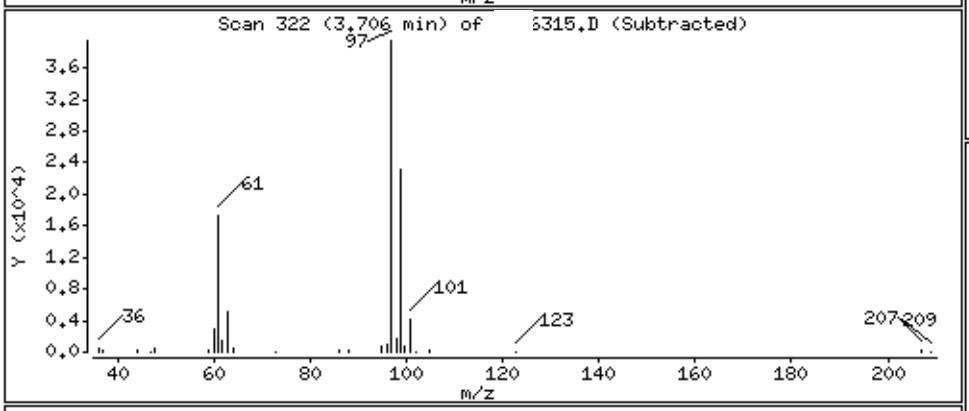
Operator: SRC: LIMS

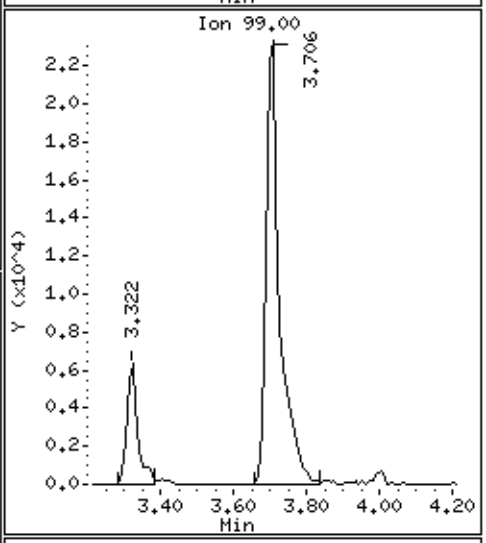
Column phase: DB-624 Column diameter: 0.25

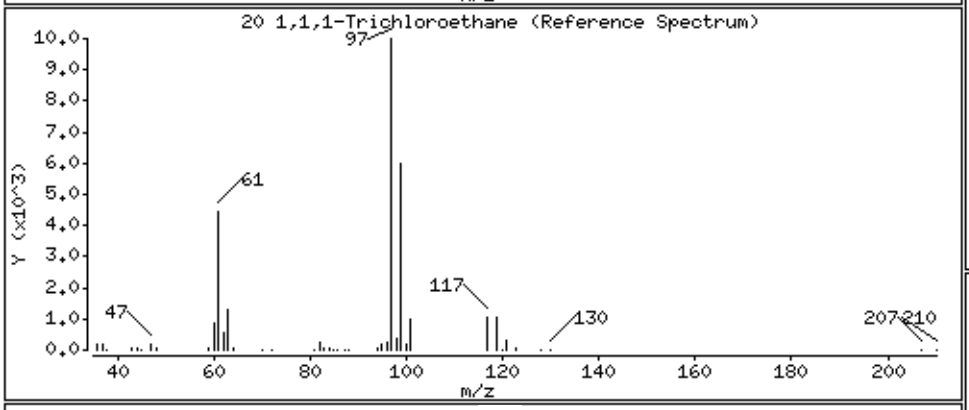
20 1,1,1-Trichloroethane Concentration: 25 ug/Kg

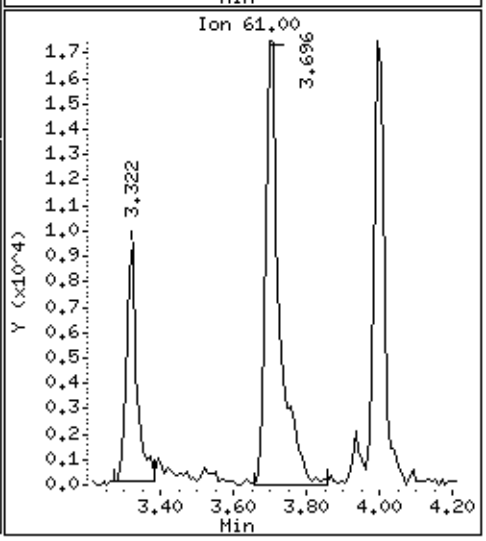


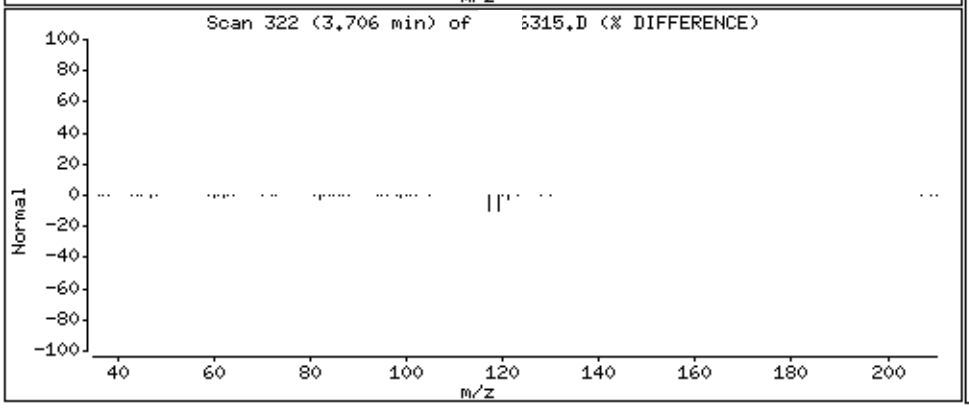












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

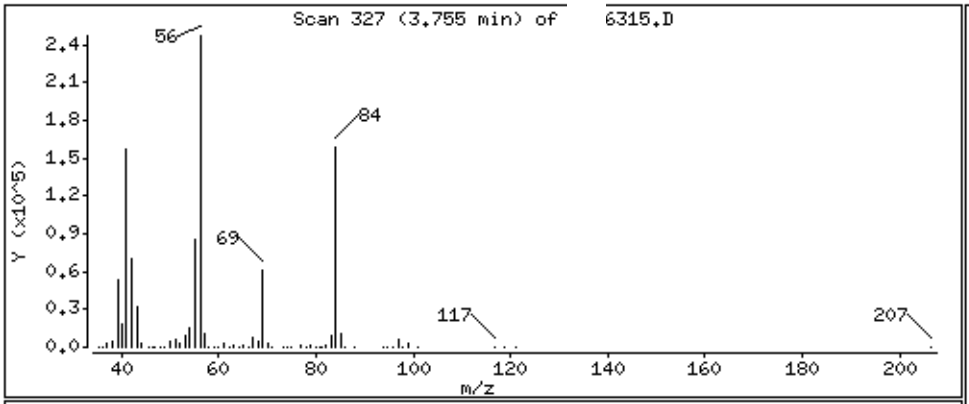
Client ID: 953 Instrument: V1.i

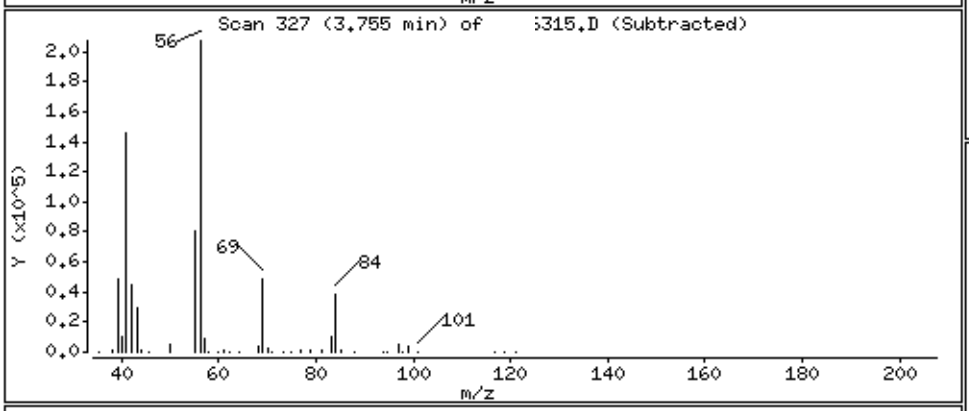
Sample Info: 5G,)78510,,881

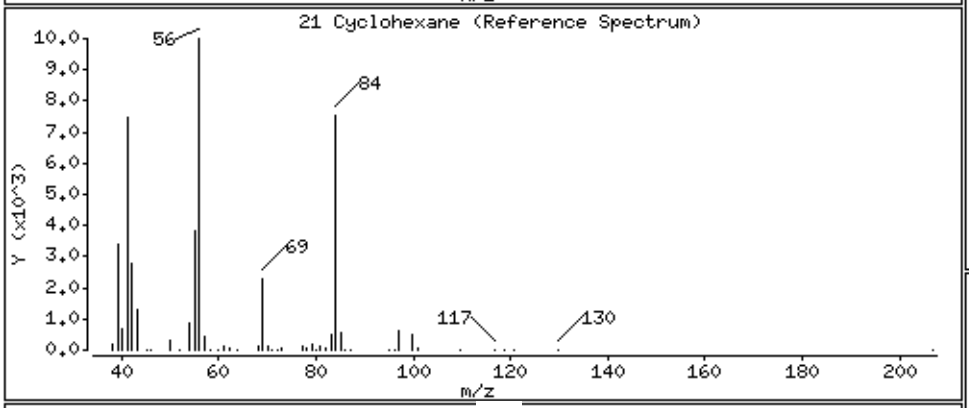
Operator: SRC: LIMS

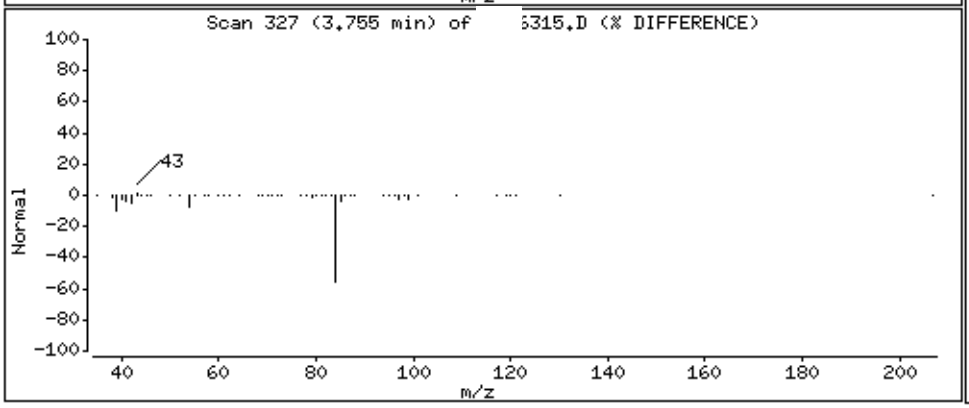
Column phase: DB-624 Column diameter: 0.25

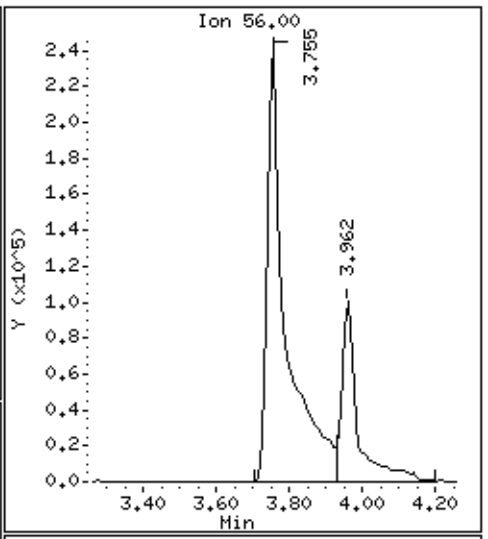
21 Cyclohexane Concentration: 94 ug/Kg

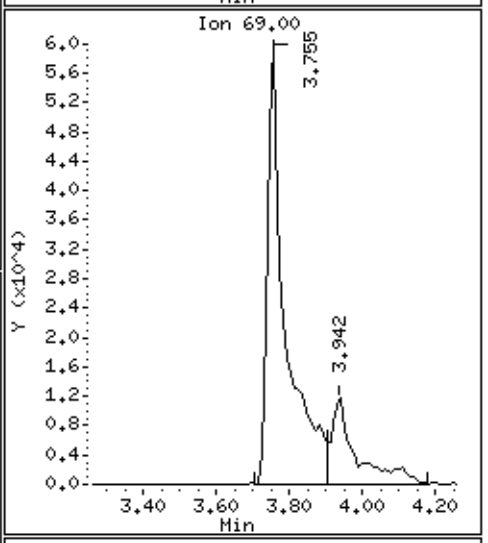


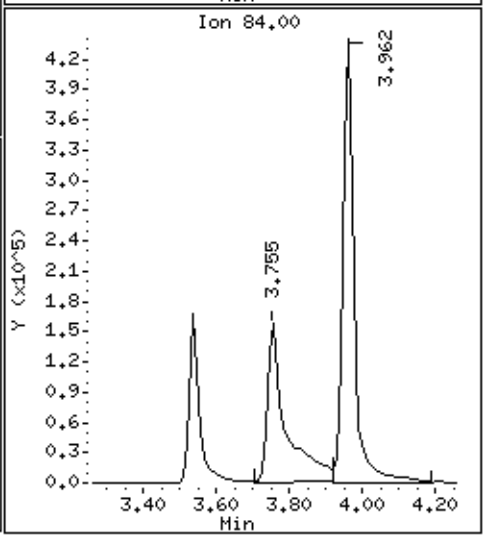












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

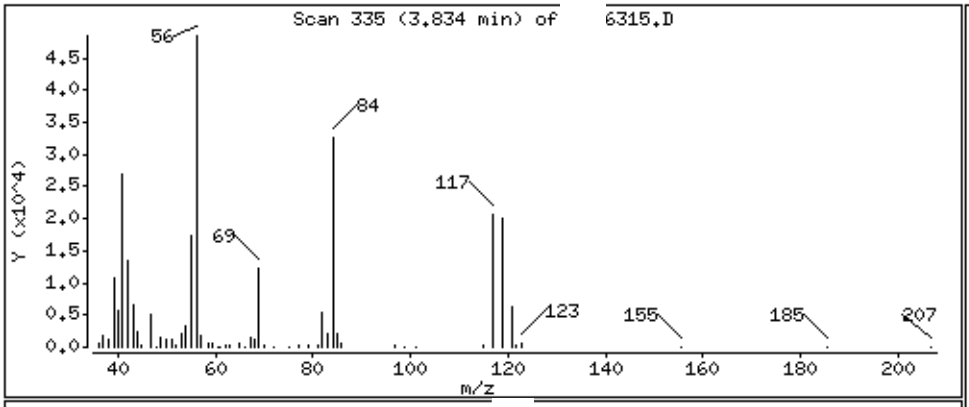
Client ID: 953 Instrument: V1.i

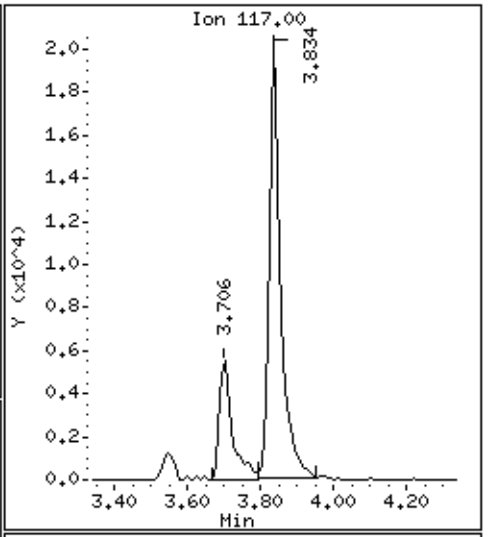
Sample Info: 5G, 078510,,881

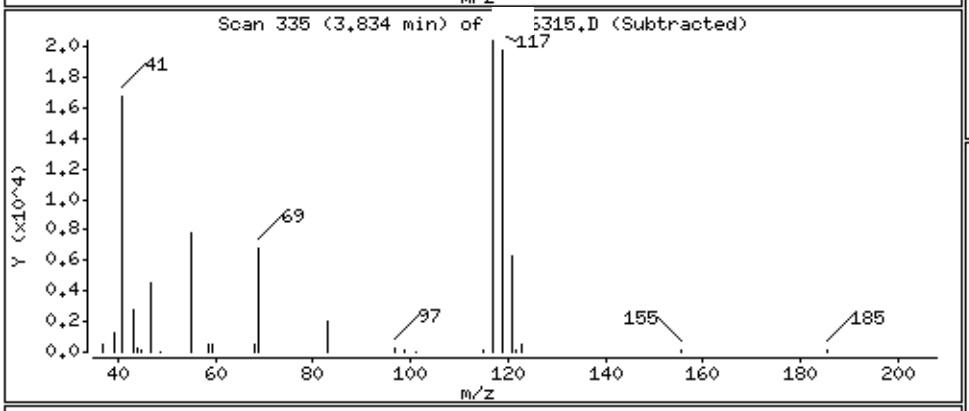
Operator: SRC: LIMS

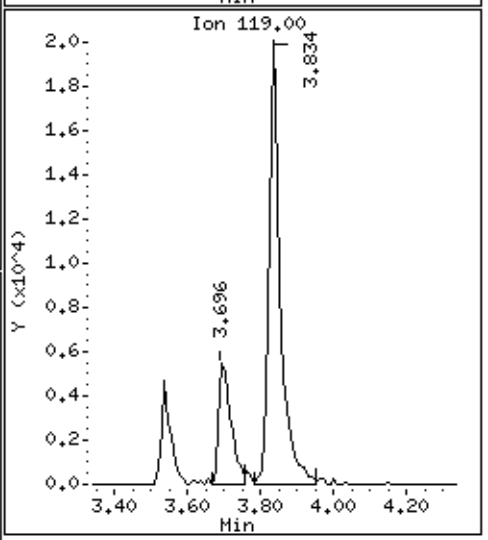
Column phase: DB-624 Column diameter: 0.25

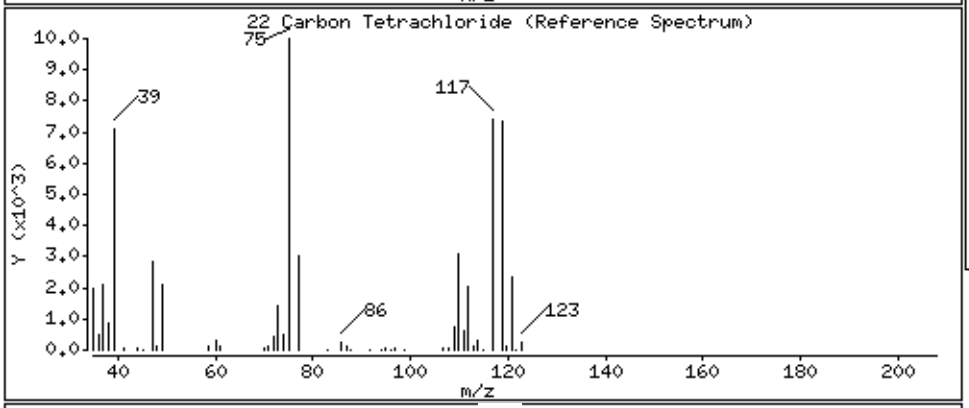
22 Carbon Tetrachloride Concentration: 13 ug/Kg

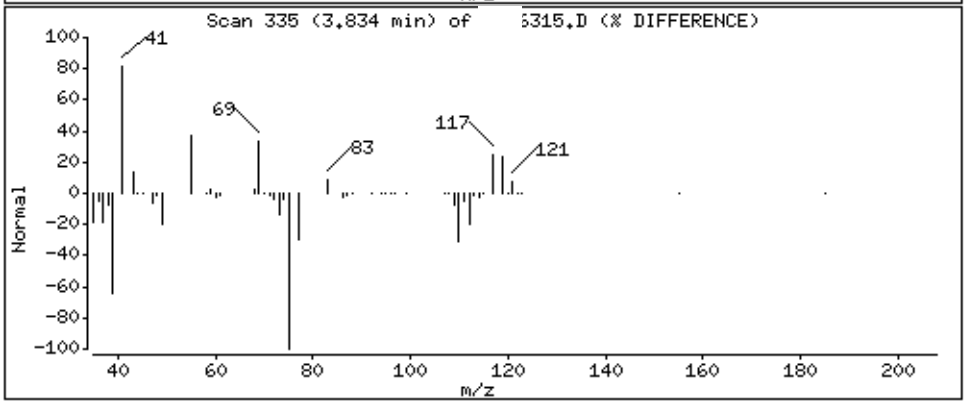












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

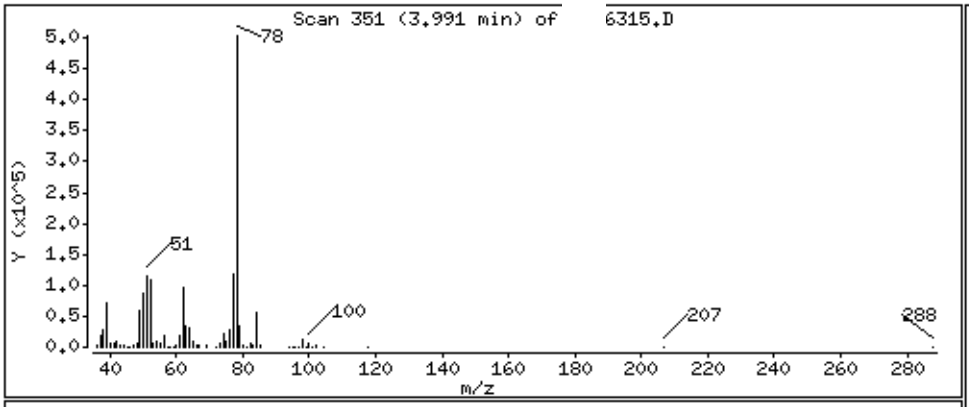
Client ID:)53 Instrument: V1.i

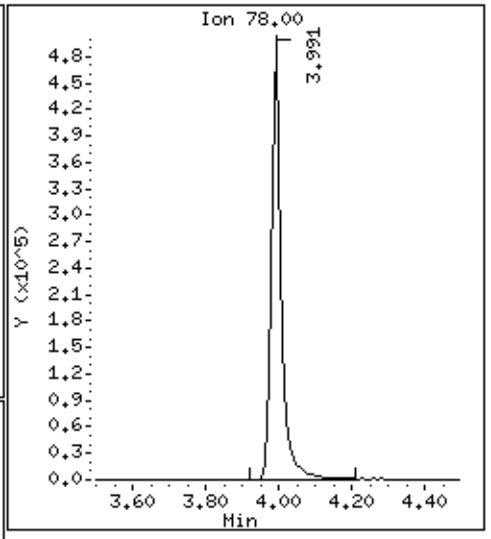
Sample Info: 5G,)78510,,881

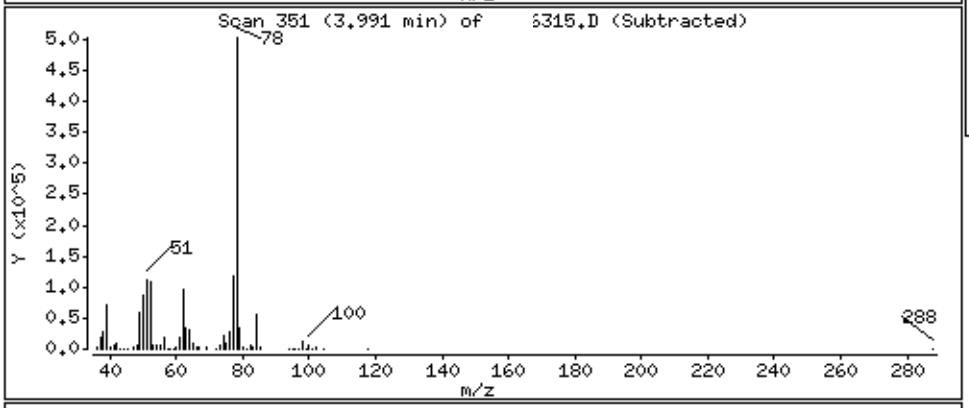
Operator: SRC: LIMS

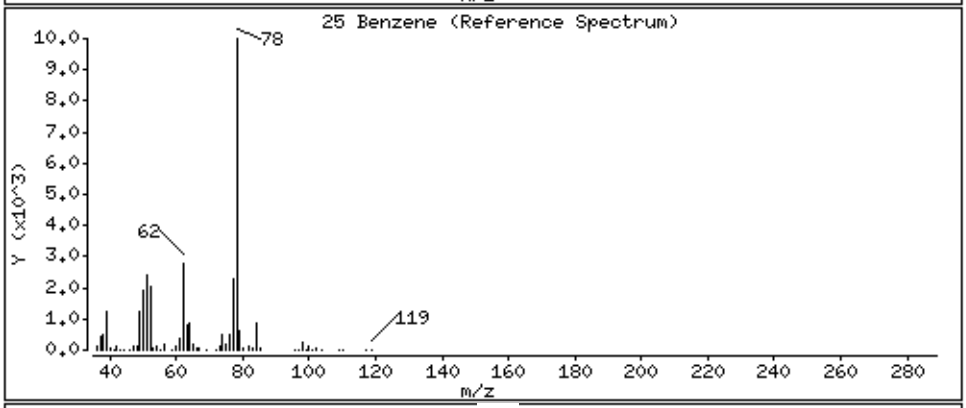
Column phase: DB-624 Column diameter: 0.25

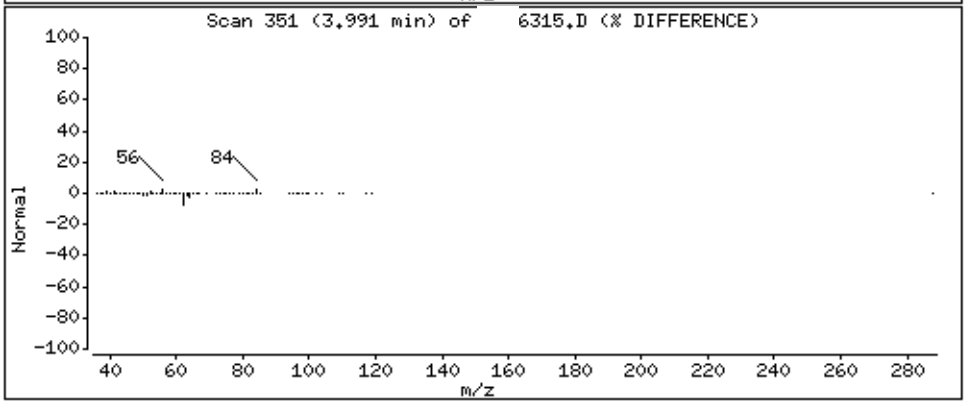
25 Benzene Concentration: 50 ug/Kg











Data File: \\ organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

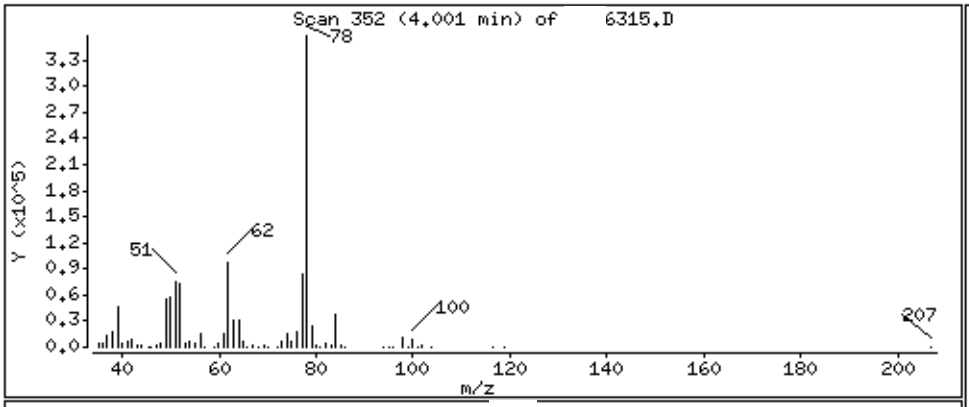
Client ID: 353 Instrument: V1.i

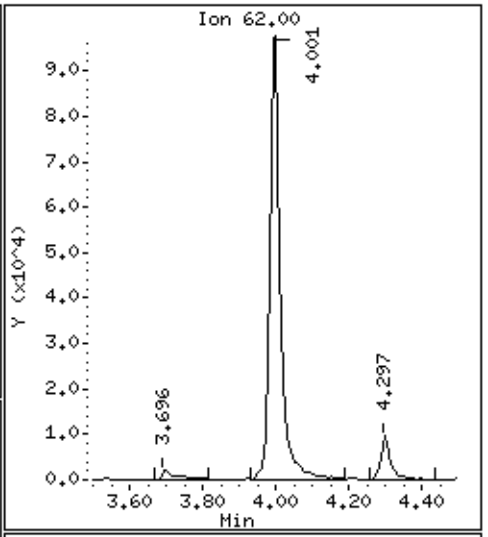
Sample Info: 5G,)78510,,881

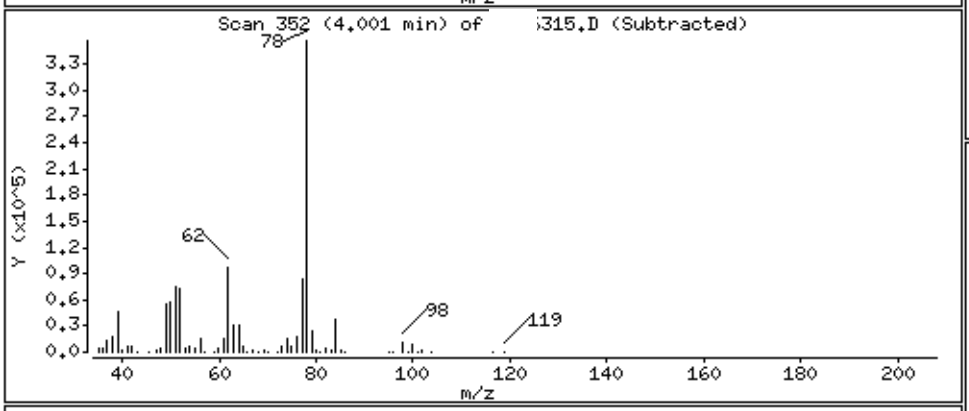
Operator: SRC: LIMS

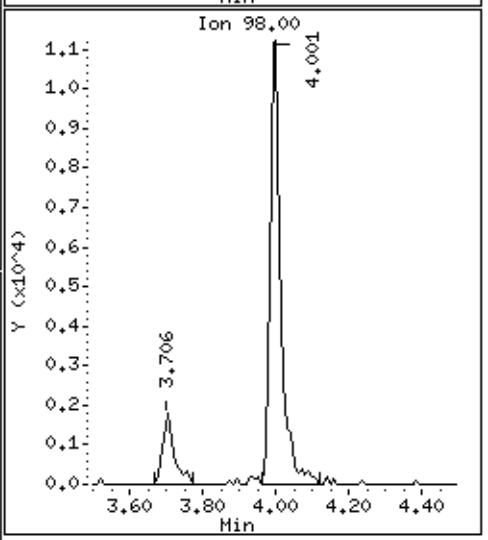
Column phase: DB-624 Column diameter: 0.25

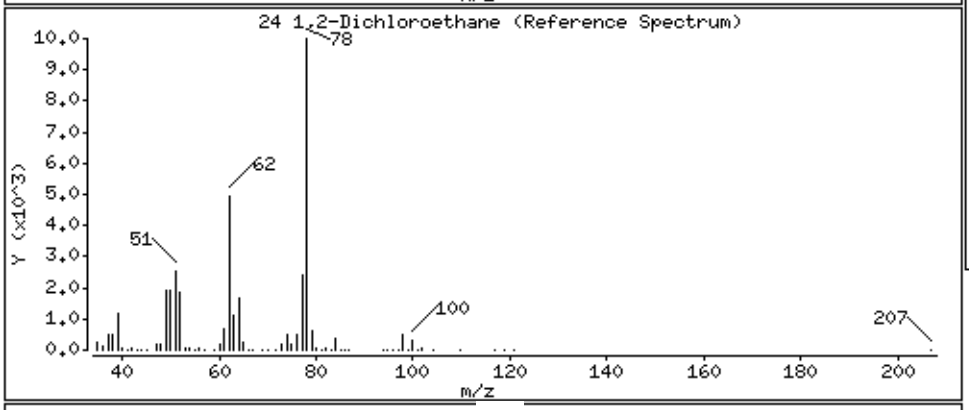
24 1,2-Dichloroethane Concentration: 44 ug/Kg

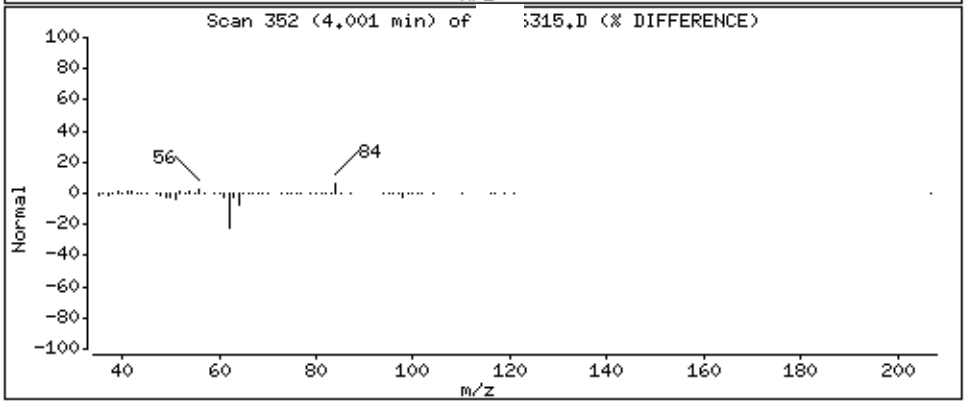












Data File: \\ \organics\V1.I\150713A.B\ 5315.D

Date : 13-JUL-2015 23:10

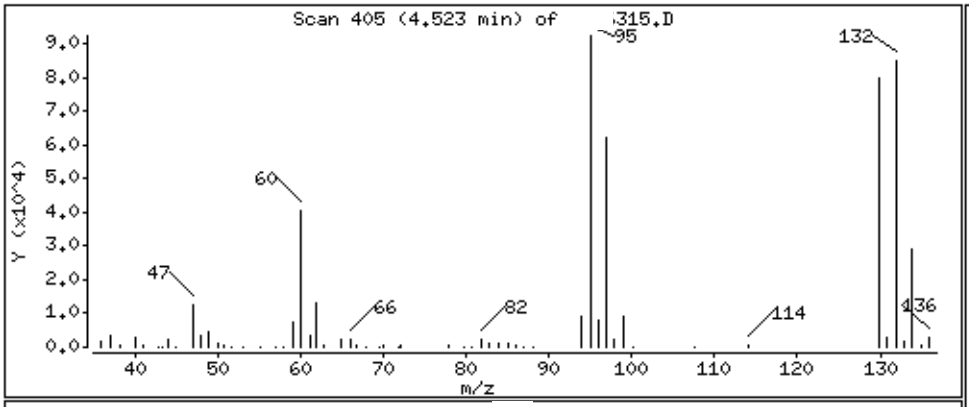
Client ID: 953 Instrument: V1.i

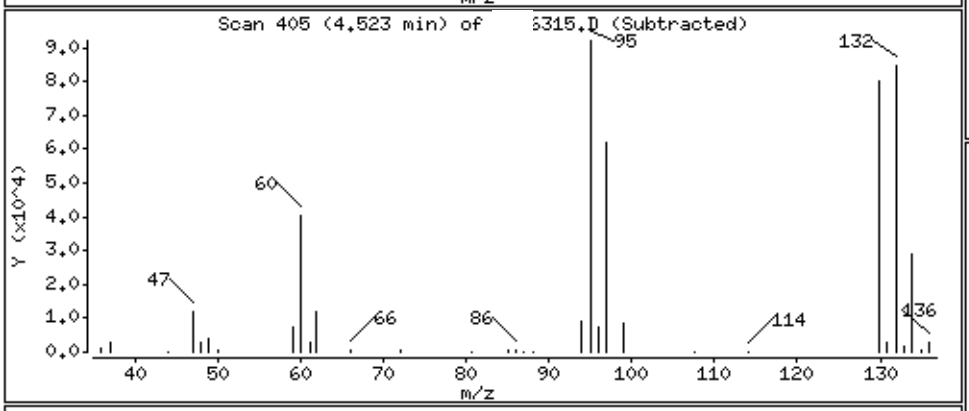
Sample Info: 5G, 078510,,881

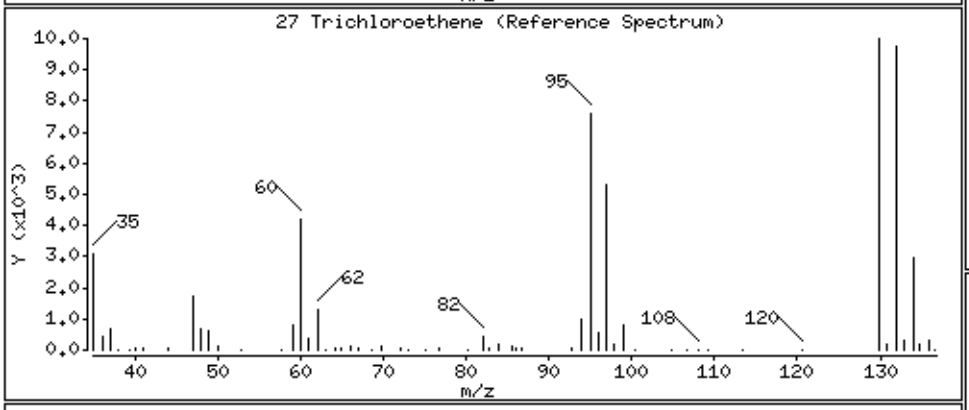
Operator: SRC: LIMS

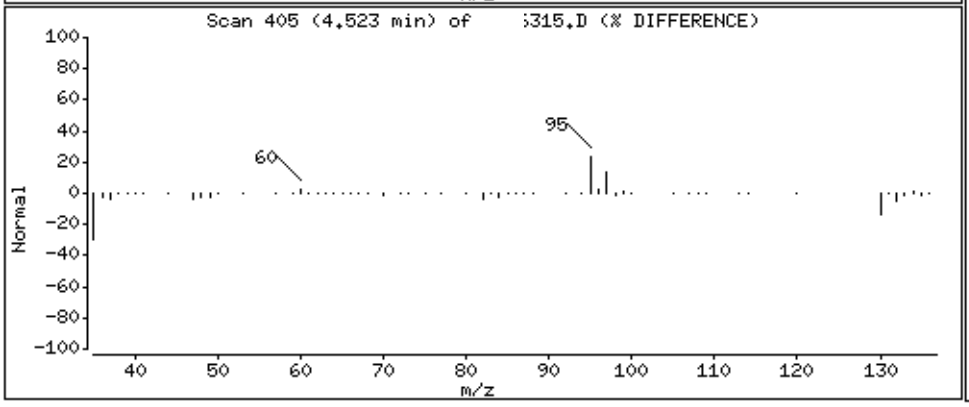
Column phase: DB-624 Column diameter: 0.25

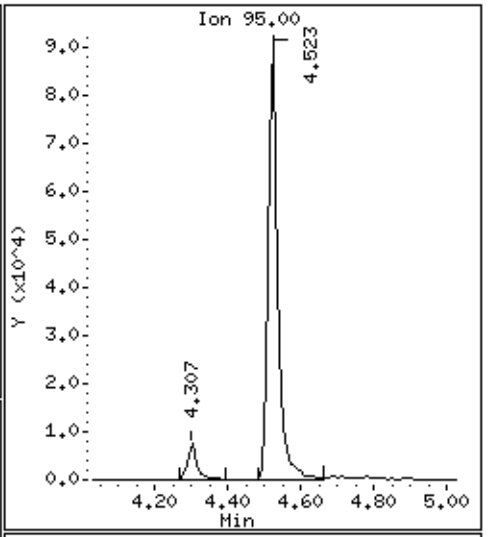
27 Trichloroethene Concentration: 39 ug/Kg

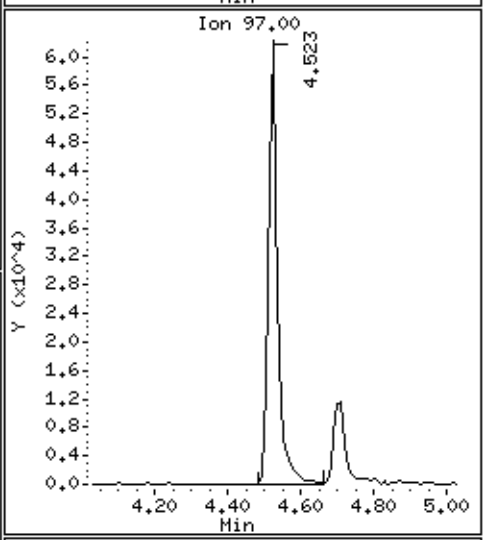


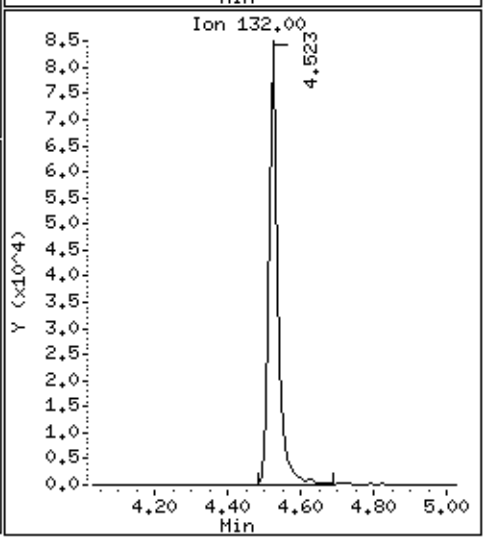












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

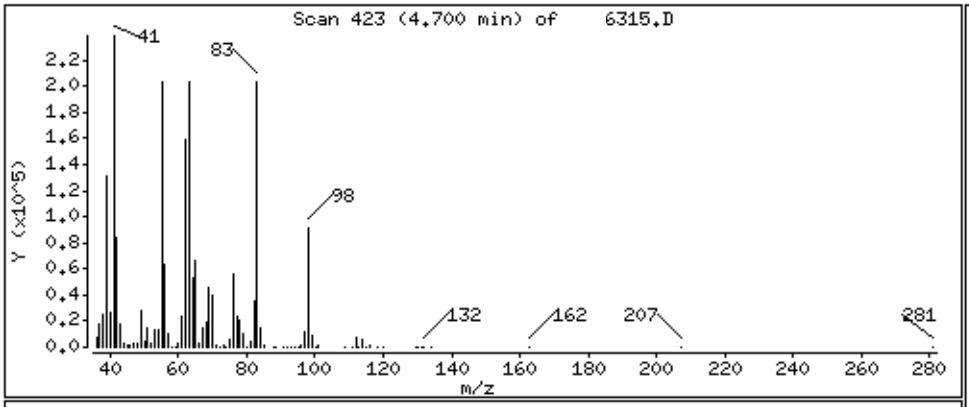
Client ID: 353 Instrument: V1.i

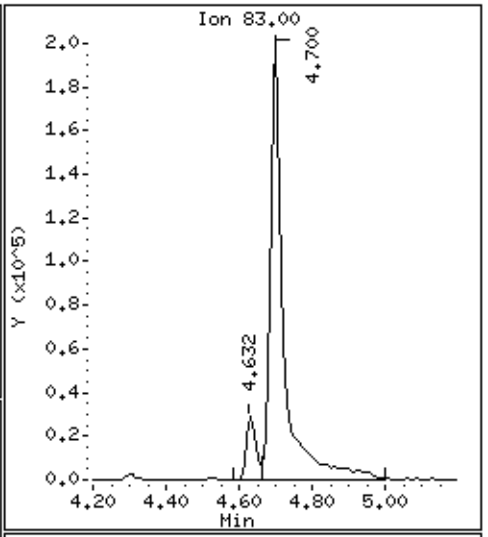
Sample Info: 5G, 078510,,881

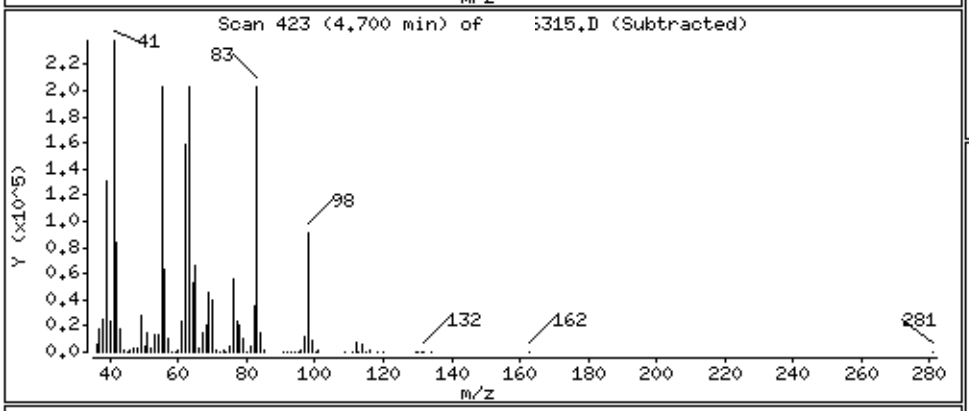
Operator: SRC: LIMS

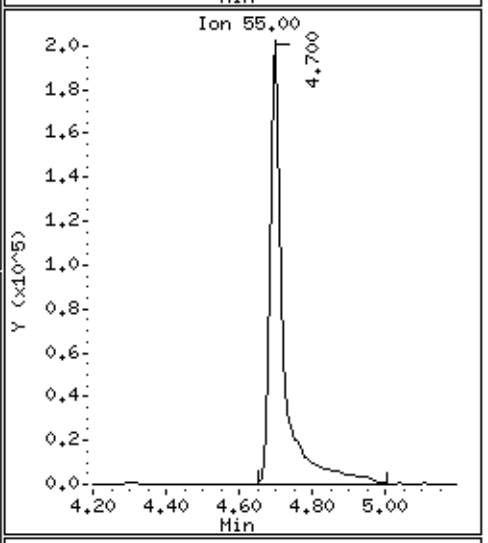
Column phase: DB-624 Column diameter: 0.25

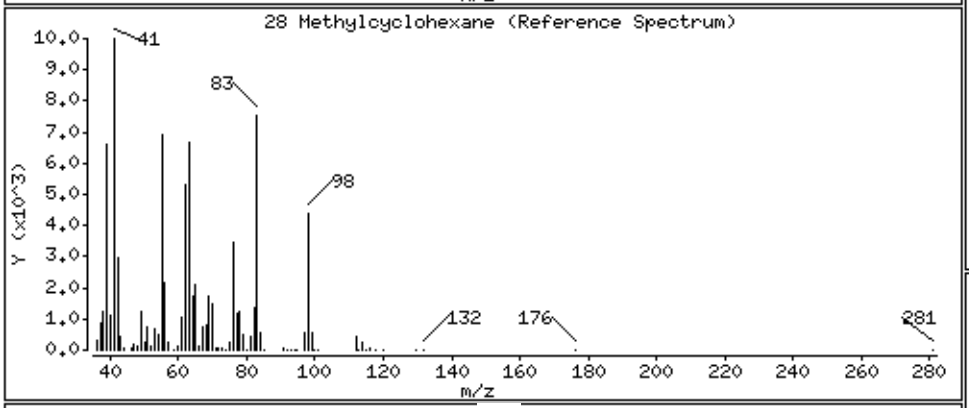
28 Methylcyclohexane Concentration: 75 ug/Kg

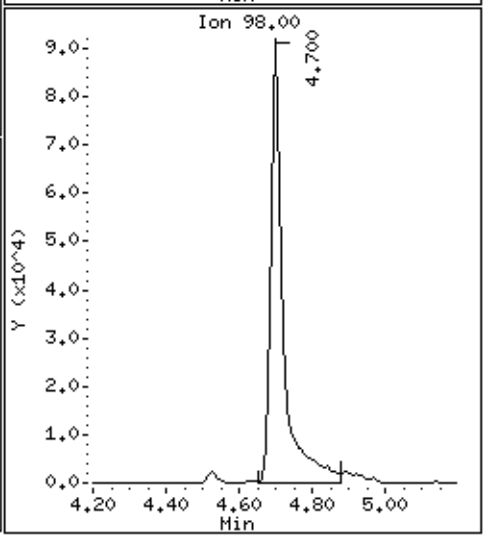


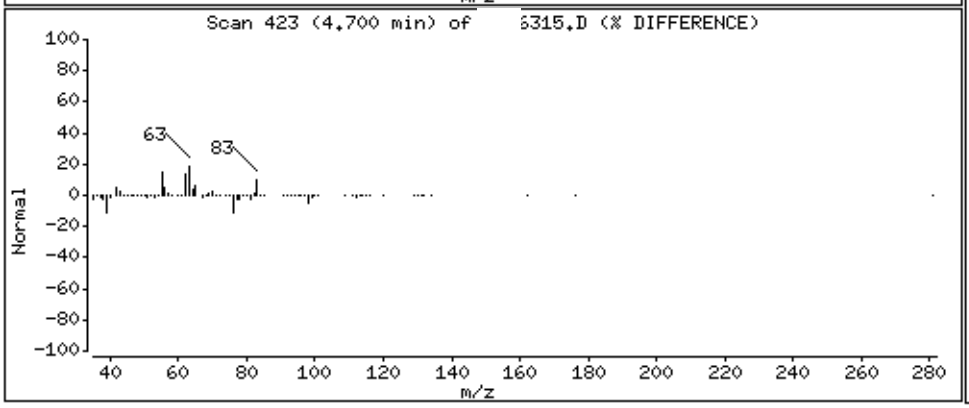












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

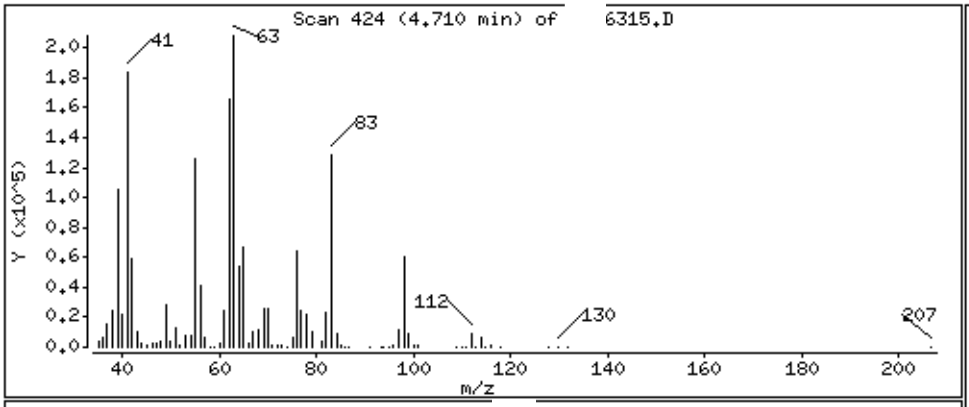
Client ID: 353 Instrument: V1.i

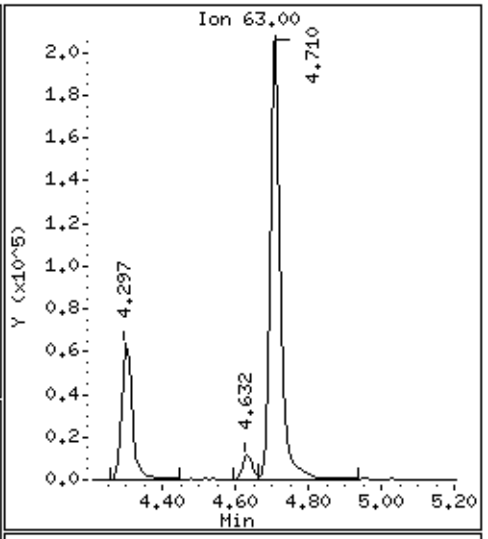
Sample Info: 5G, 078510,,881

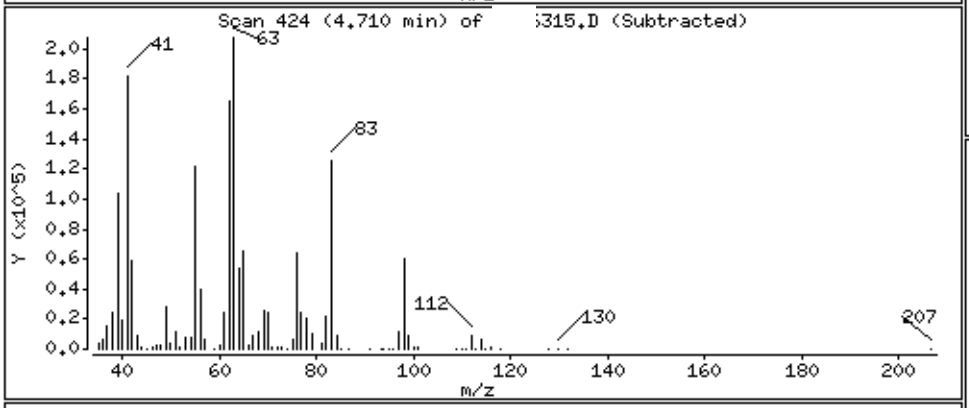
Operator: SRC: LIMS

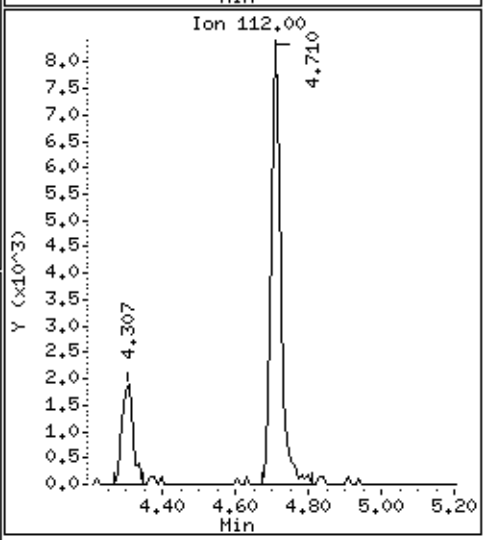
Column phase: DB-624 Column diameter: 0.25

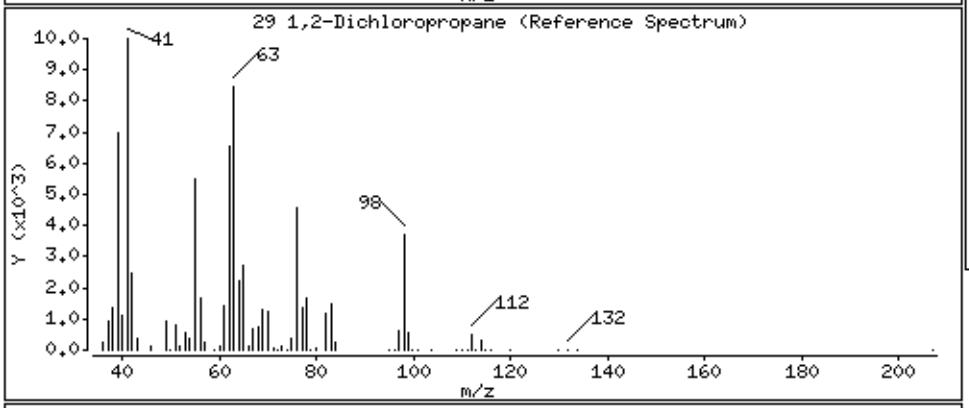
29 1,2-Dichloropropane Concentration: 71 ug/Kg

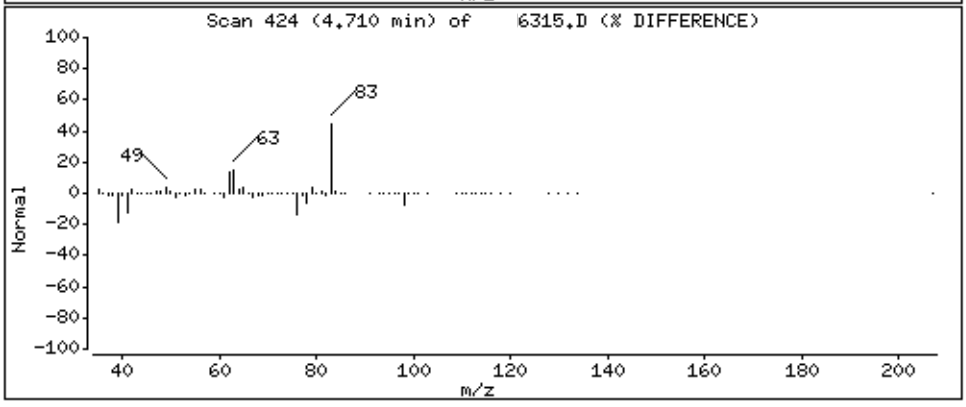












Data File: \\ \organics\V1.I\150713A.B\ 315.D

Date : 13-JUL-2015 23:10

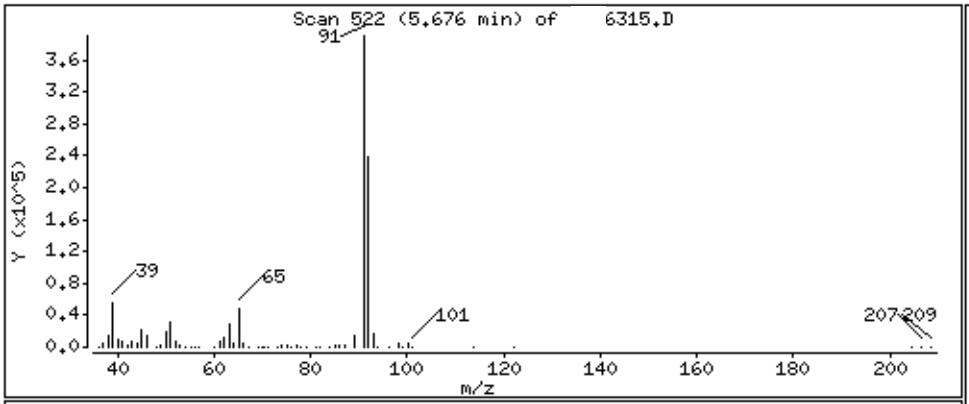
Client ID: 353 Instrument: V1.i

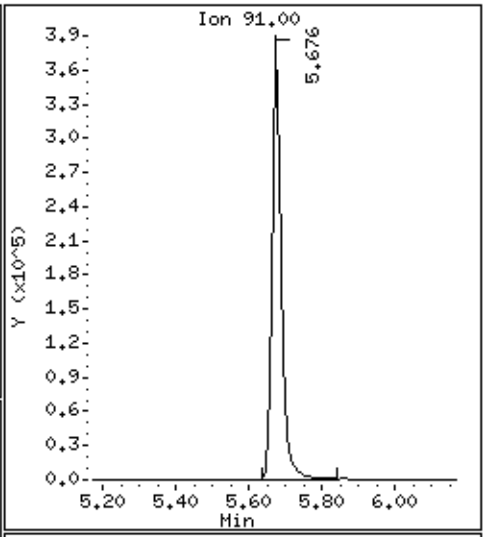
Sample Info: 5G, 078510,,881

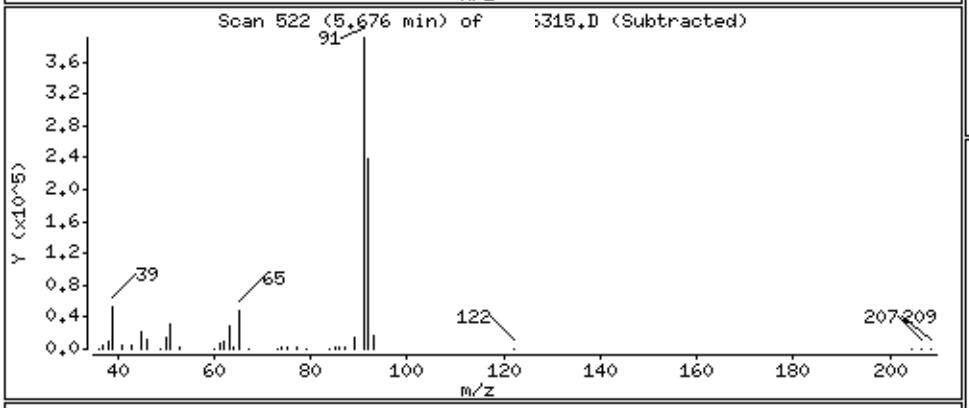
Operator: SRC: LIMS

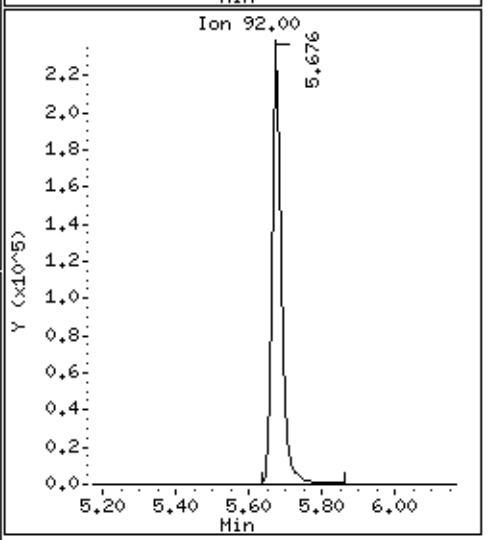
Column phase: DB-624 Column diameter: 0.25

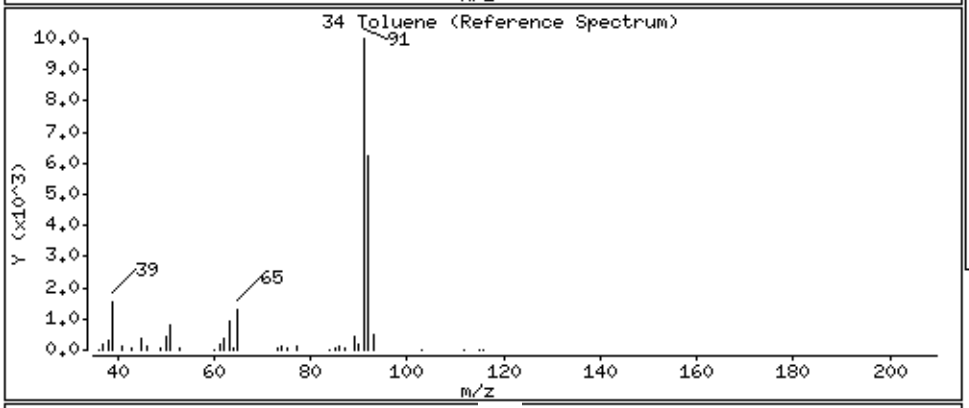
34 Toluene Concentration: 40 ug/Kg

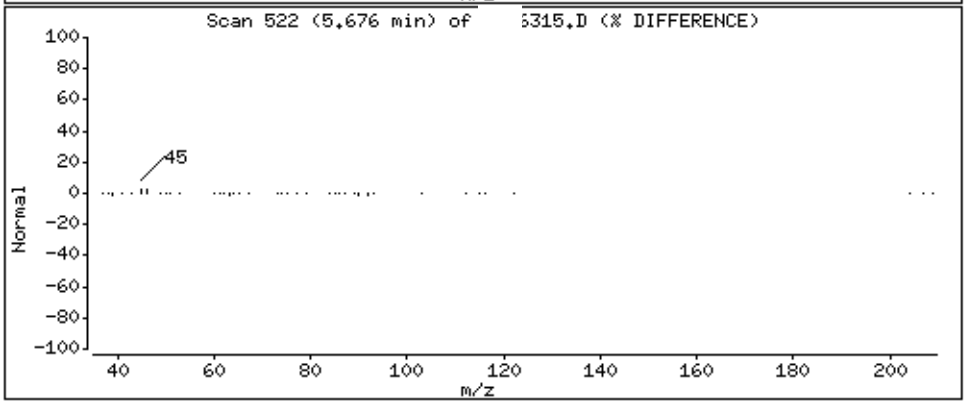












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

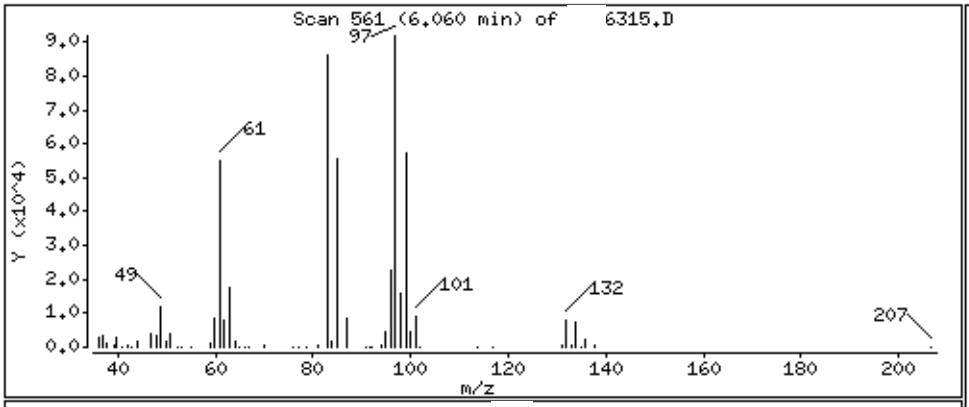
Client ID:)53 Instrument: V1.i

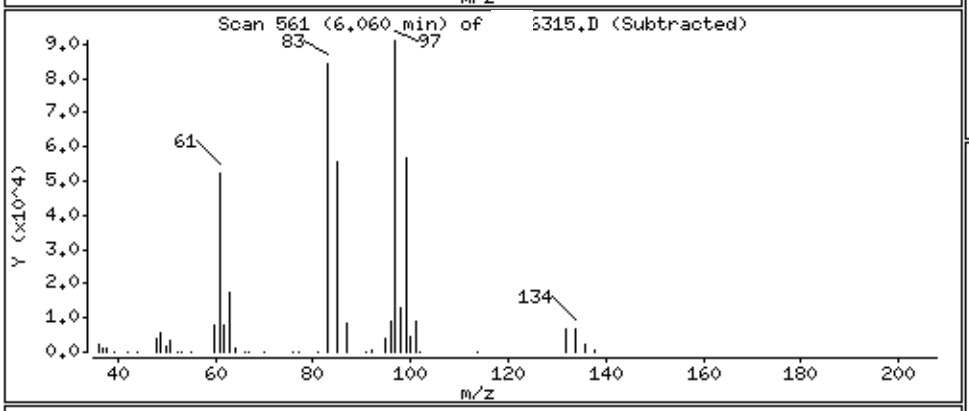
Sample Info: 5G, 078510,,881

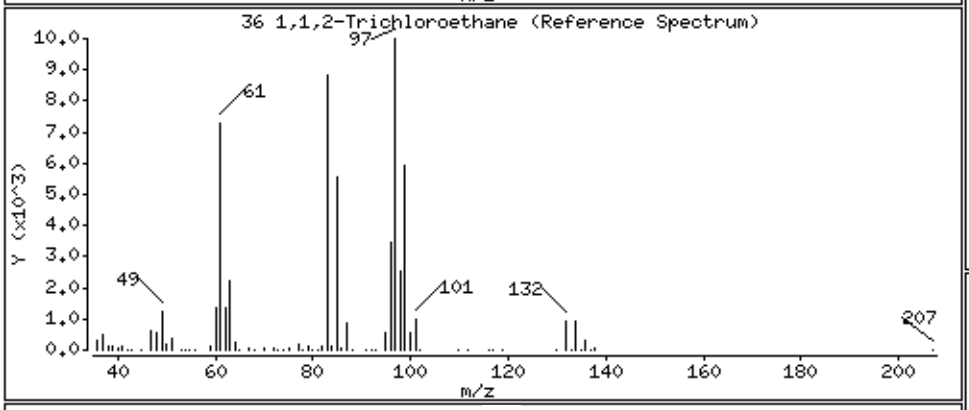
Operator: SRC: LIMS

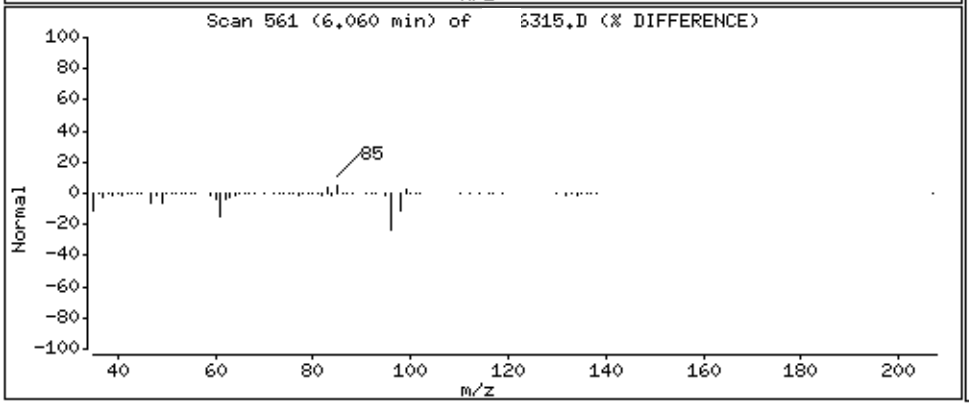
Column phase: DB-624 Column diameter: 0.25

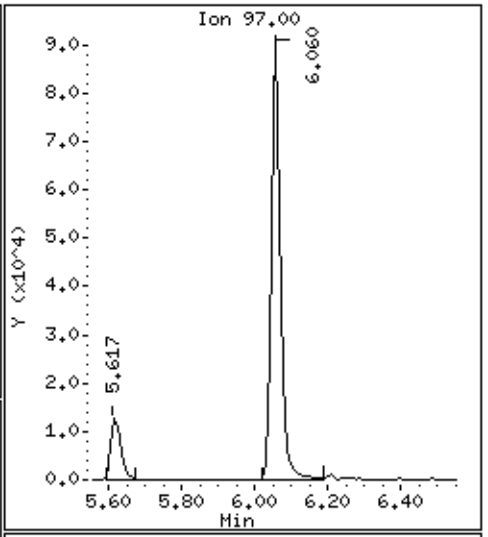
36 1,1,2-Trichloroethane Concentration: 48 ug/Kg

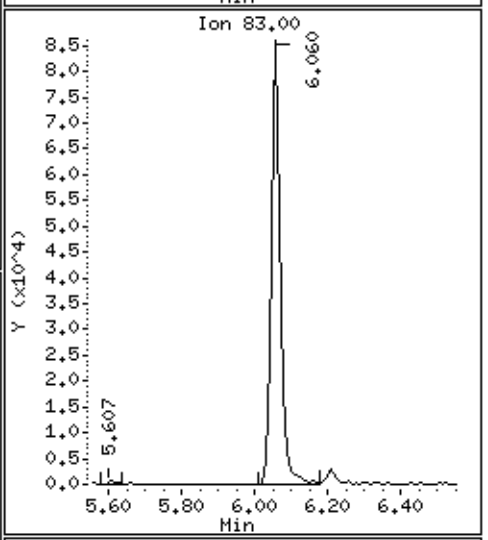


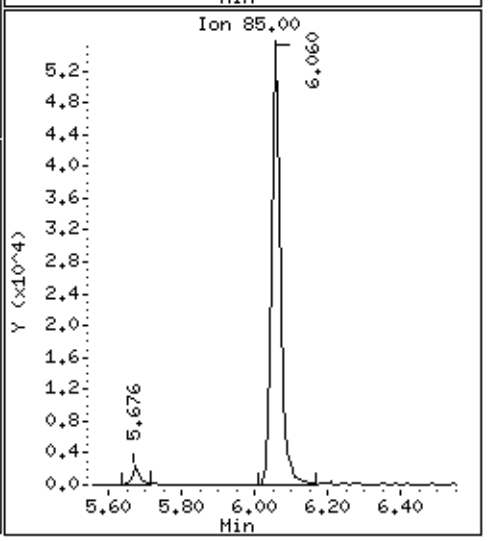












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

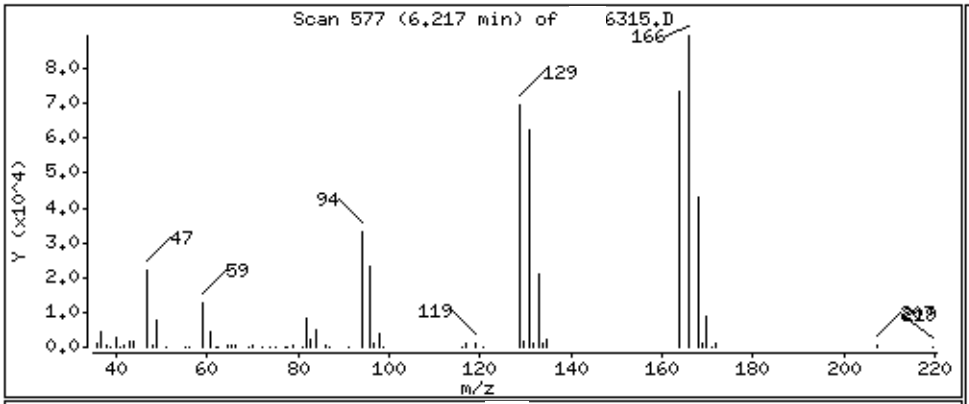
Client ID: 353 Instrument: V1.i

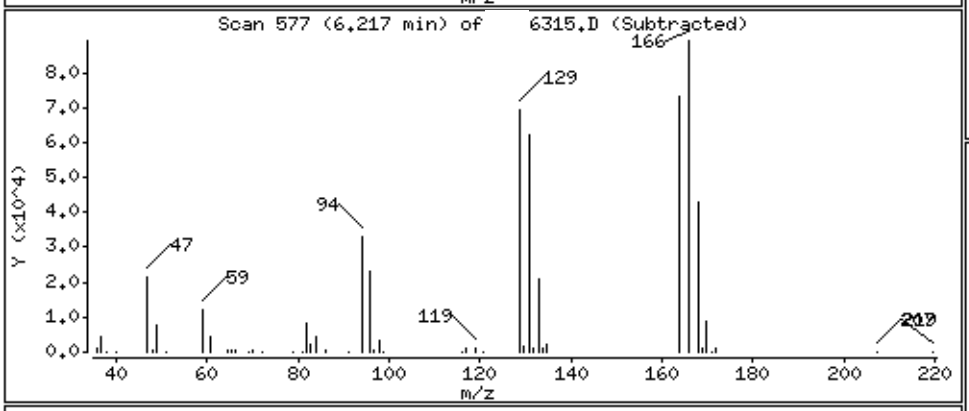
Sample Info: 5G, 078510,,881

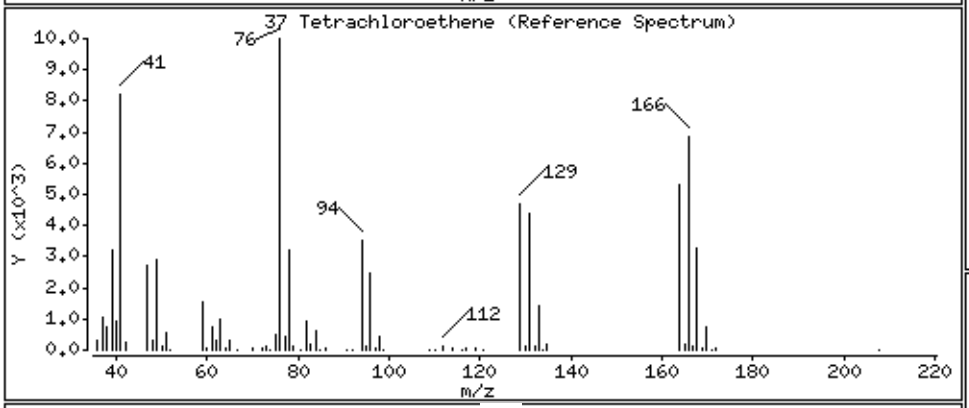
Operator: SRC: LIMS

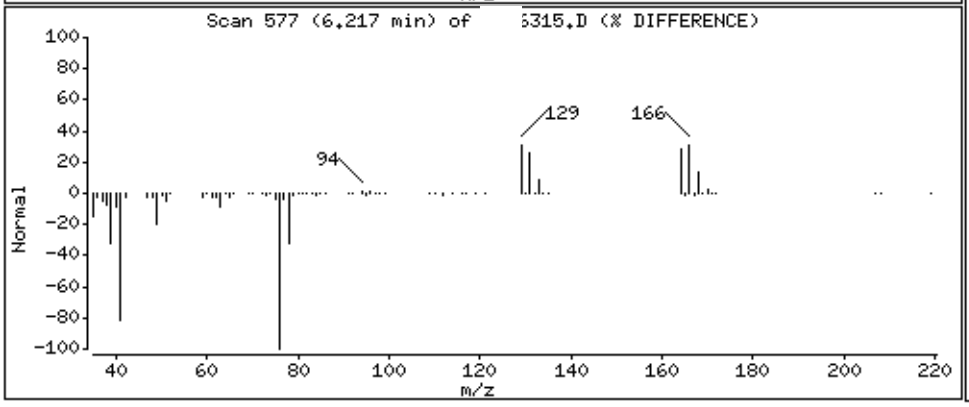
Column phase: DB-624 Column diameter: 0.25

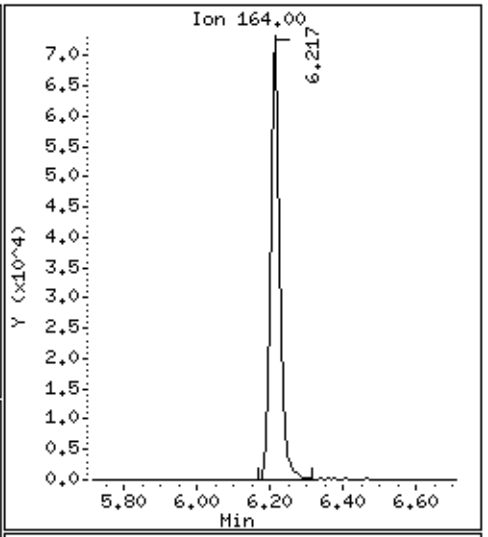
37 Tetrachloroethene Concentration: 49 ug/Kg

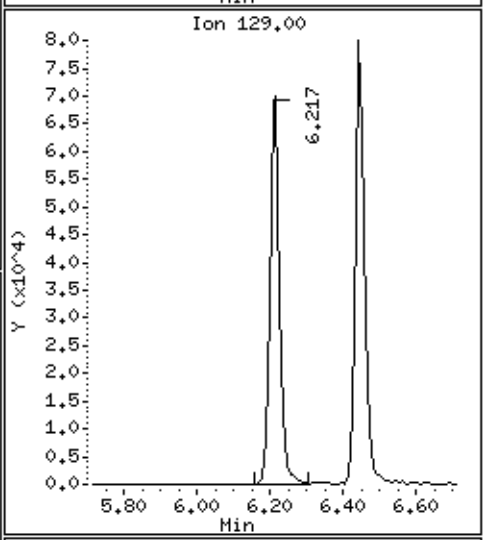


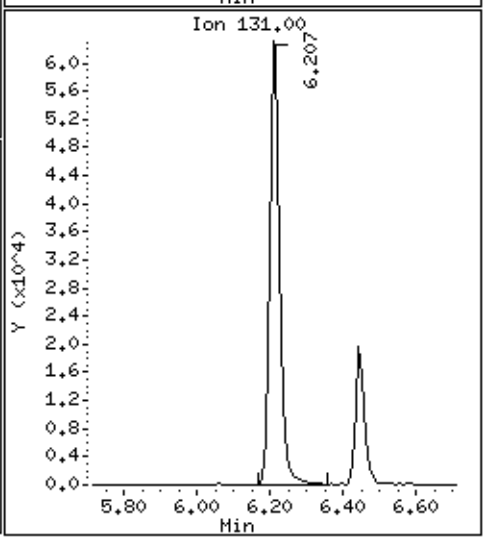












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

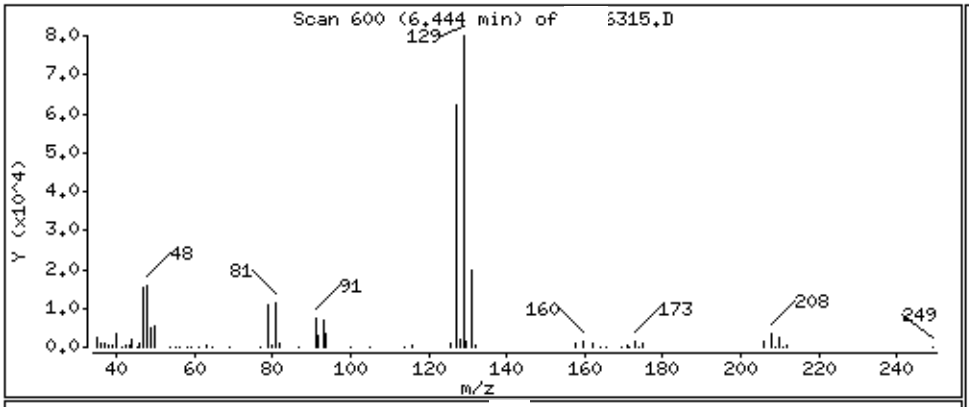
Client ID: 953 Instrument: V1.i

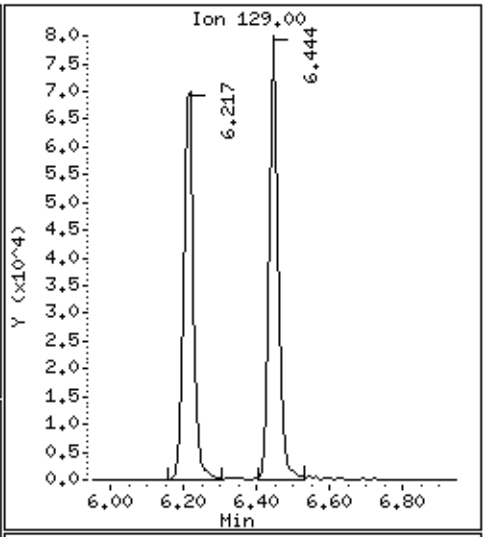
Sample Info: 5G, 078510,,881

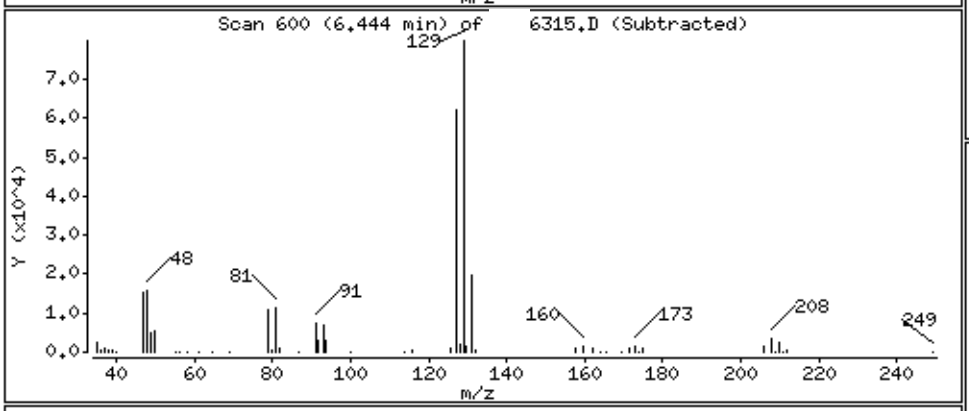
Operator: SRC: LIMS

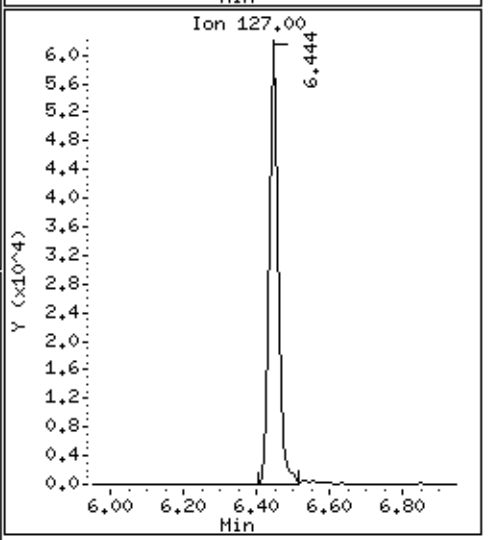
Column phase: DB-624 Column diameter: 0.25

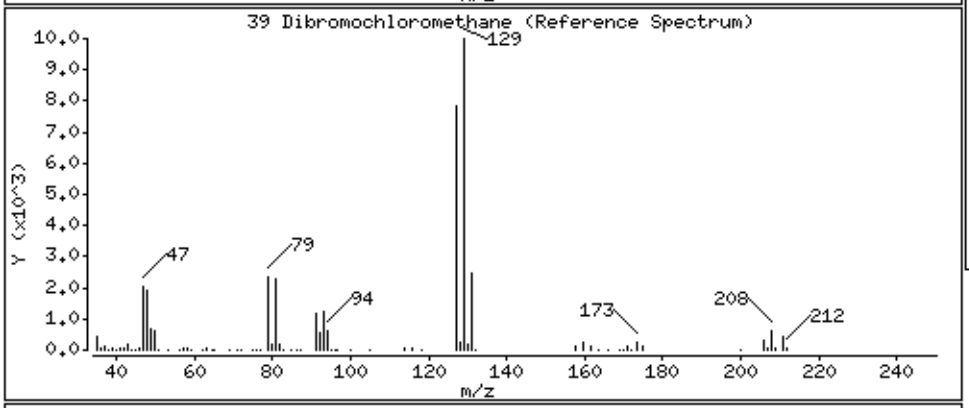
39 Dibromochloromethane Concentration: 39 ug/Kg

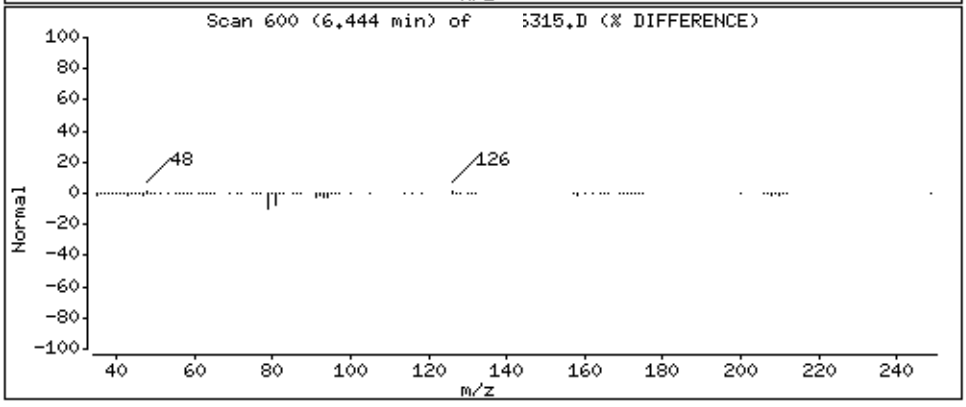












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

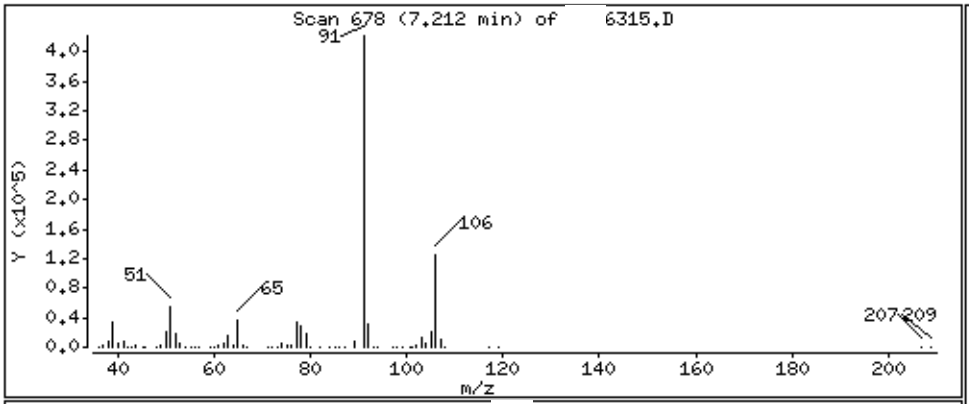
Client ID: 353 Instrument: V1.i

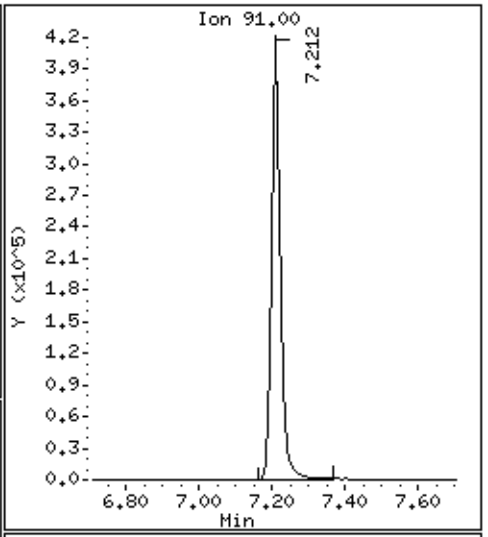
Sample Info: 5G, 078510,,881

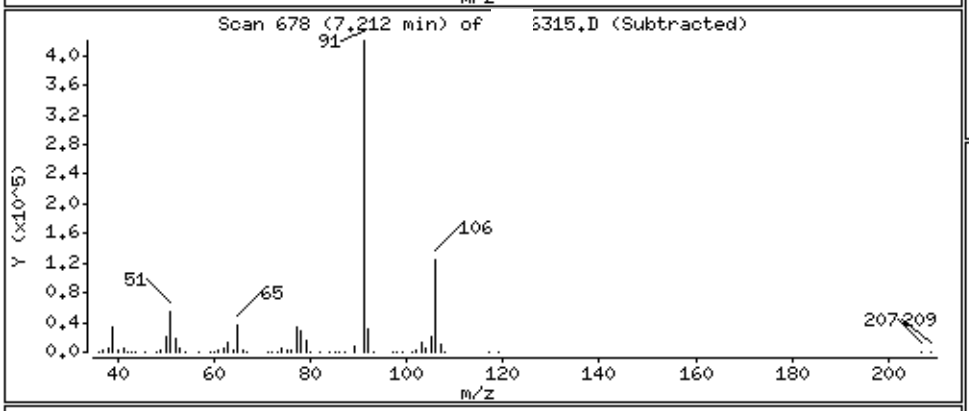
Operator: SRC: LIMS

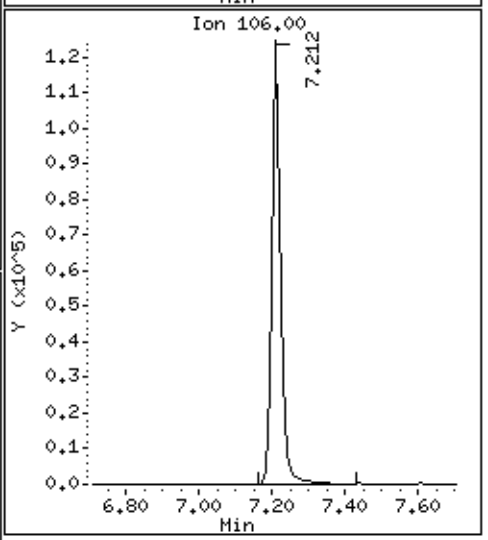
Column phase: DB-624 Column diameter: 0.25

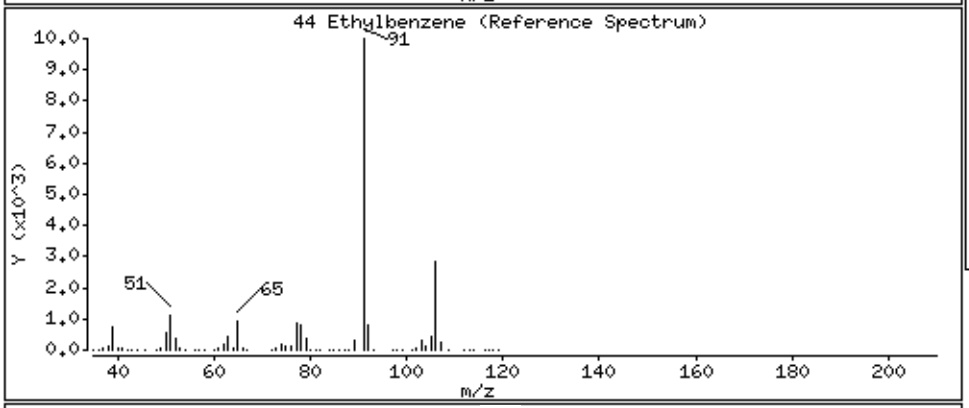
44 Ethylbenzene Concentration: 40 ug/Kg

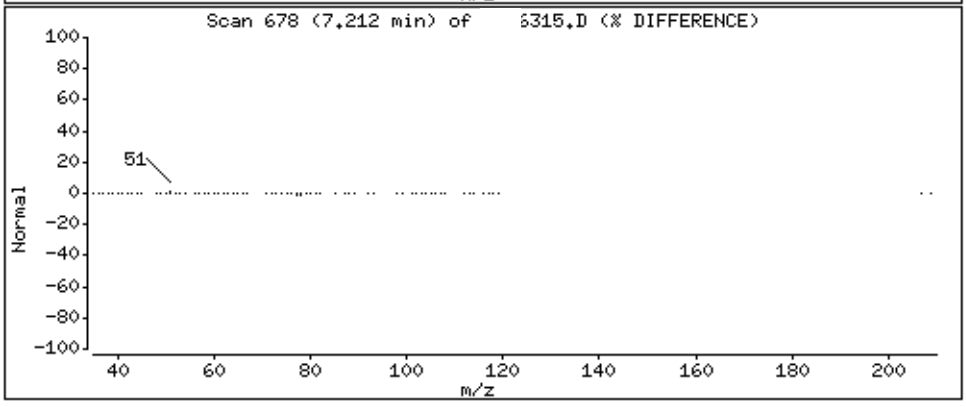












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

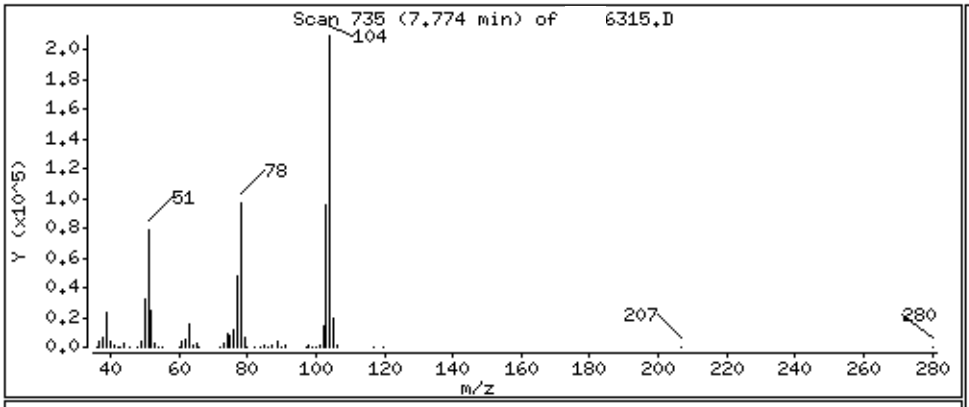
Client ID: 953 Instrument: V1.i

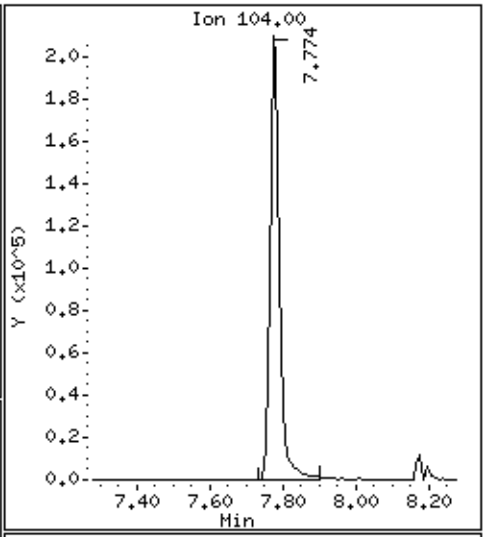
Sample Info: 5G,)78510,,881

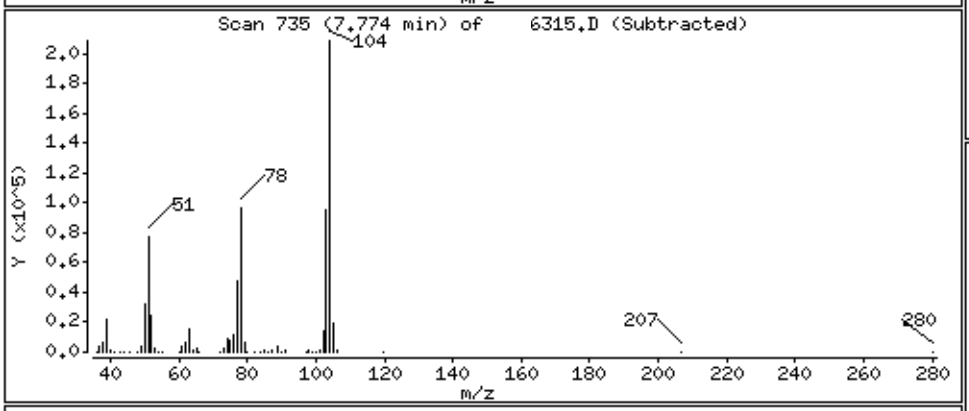
Operator: SRC: LIMS

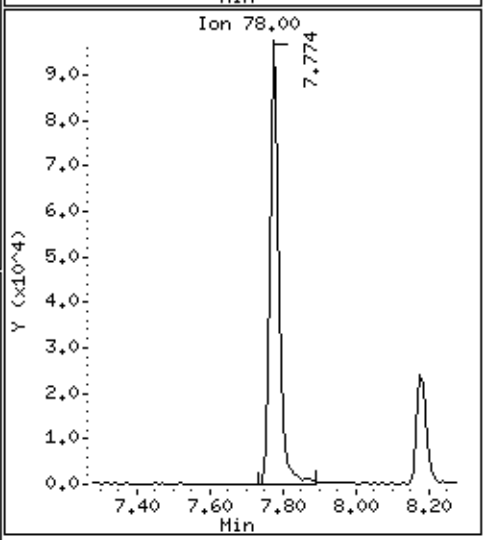
Column phase: DB-624 Column diameter: 0.25

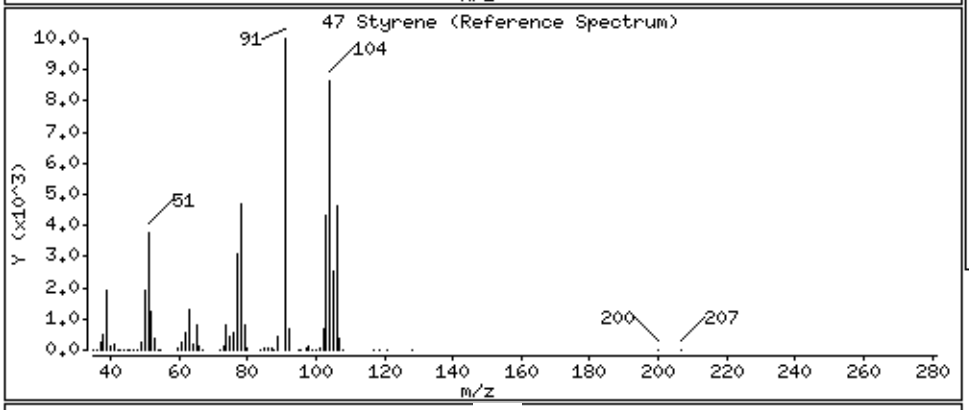
47 Styrene Concentration: 36 ug/Kg

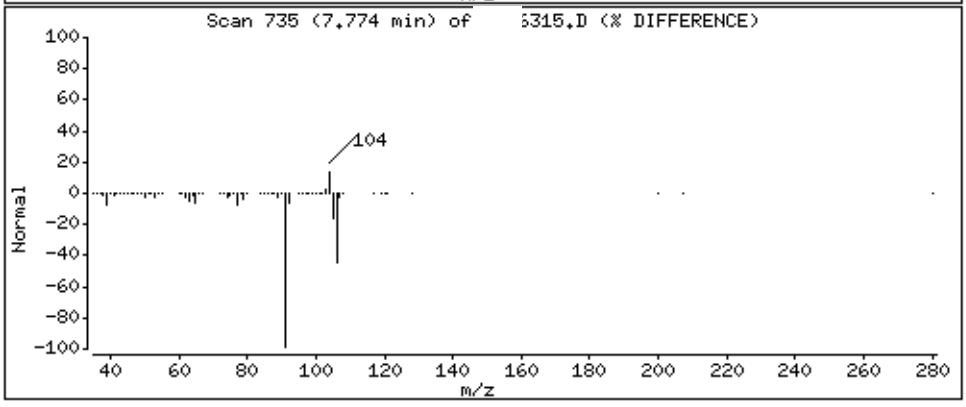












Data File: \\ \organics\V1.I\150713A.B\ 5315.D

Date : 13-JUL-2015 23:10

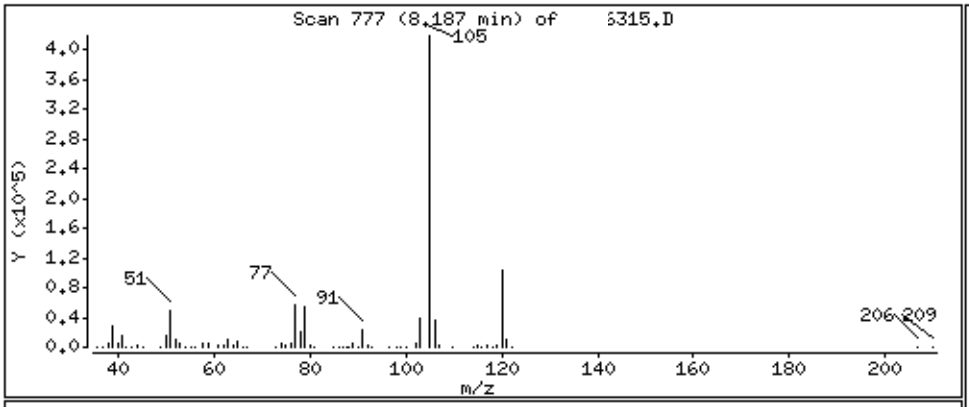
Client ID: 953 Instrument: V1.i

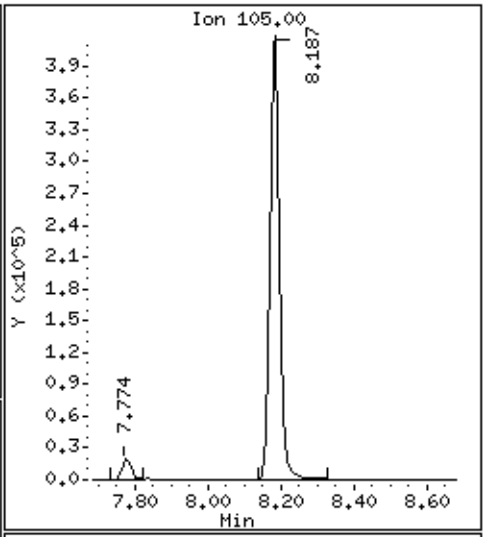
Sample Info: 5G, 078510,,881

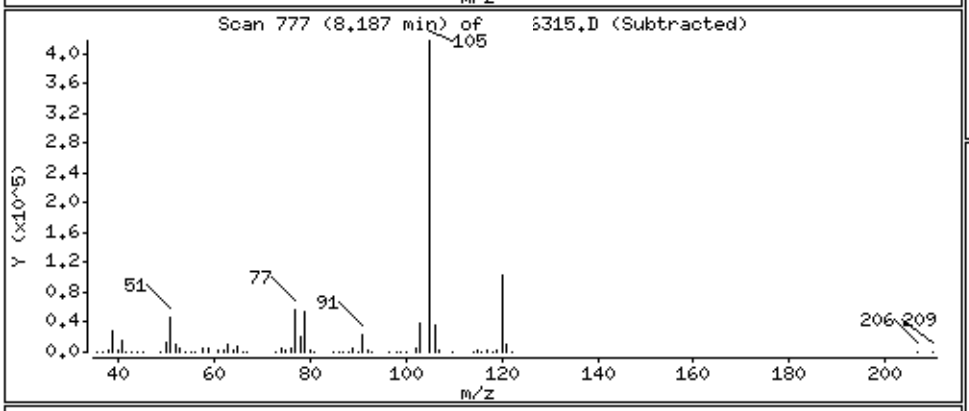
Operator: SRC: LIMS

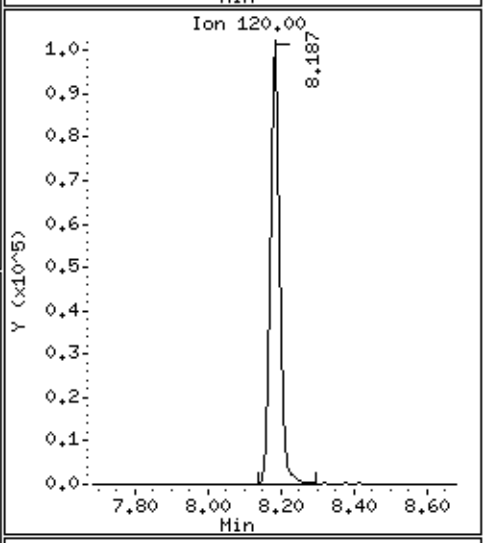
Column phase: DB-624 Column diameter: 0.25

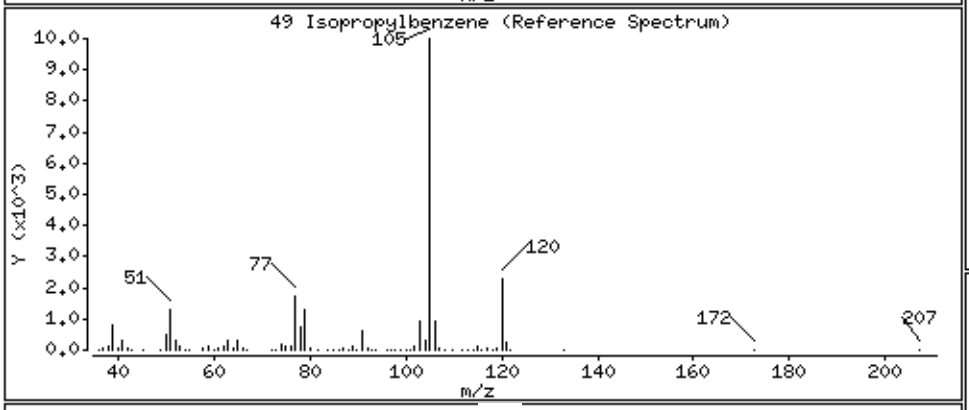
49 Isopropylbenzene Concentration: 49 ug/Kg

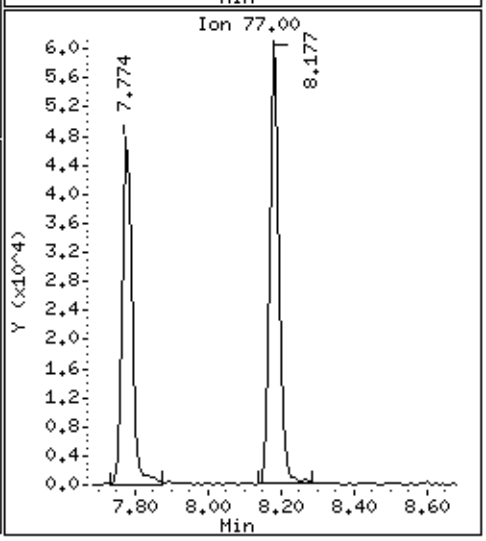


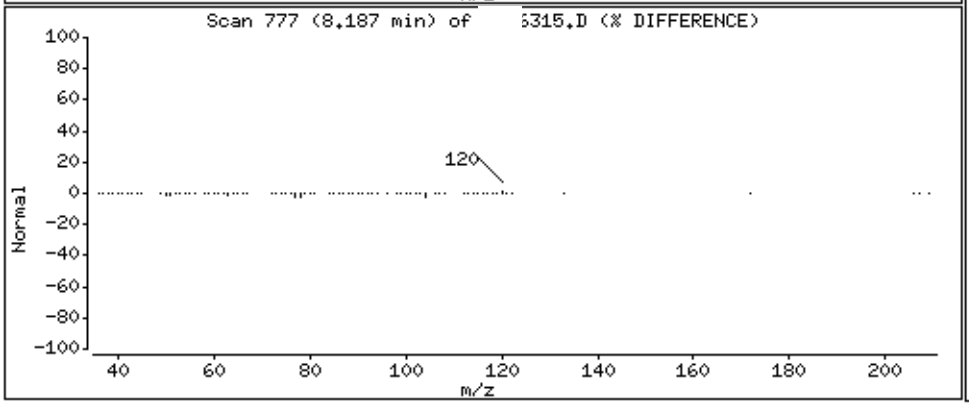












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

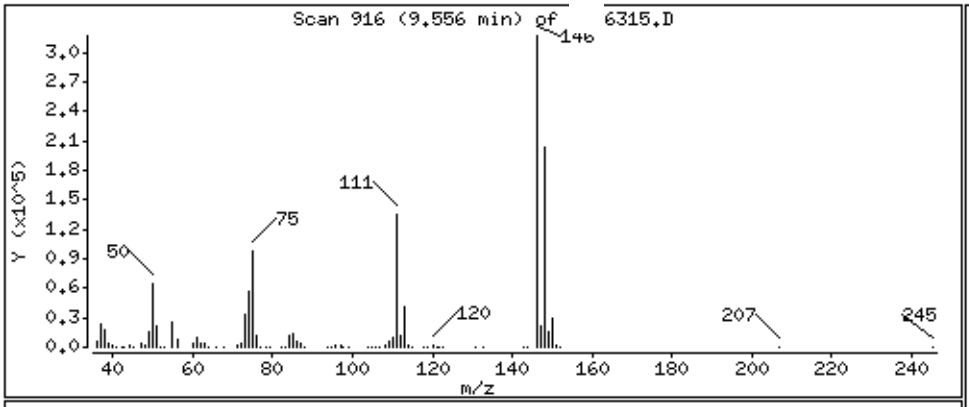
Client ID: 353 Instrument: V1.i

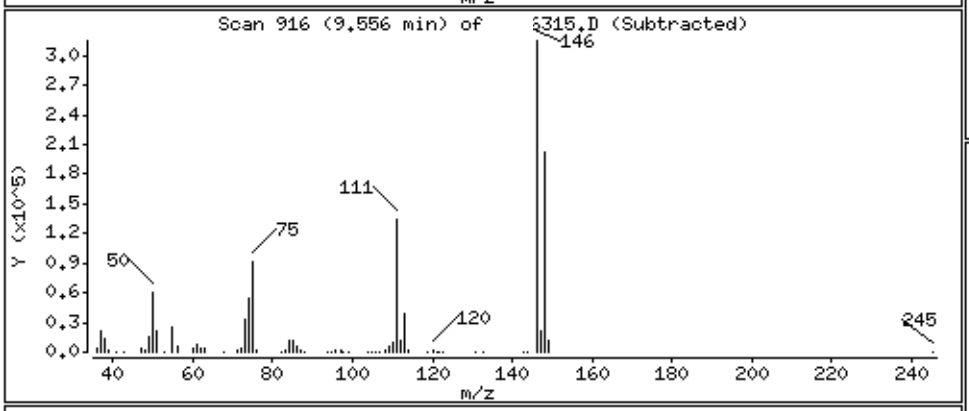
Sample Info: 5G, 078510,,881

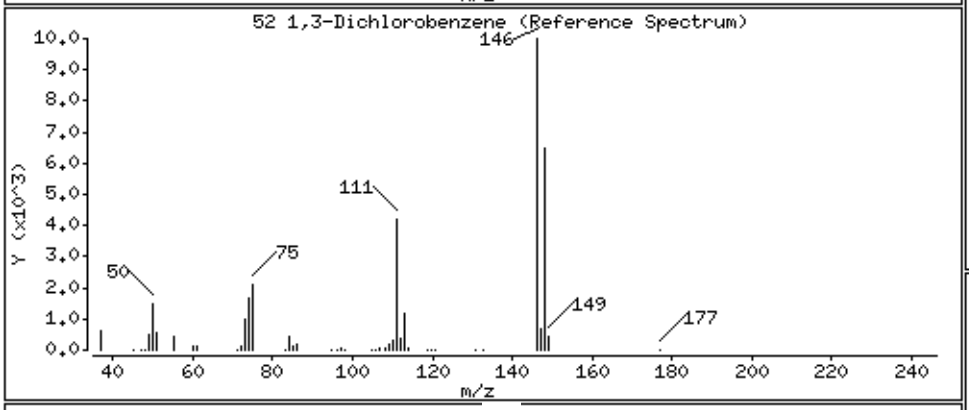
Operator: SRC: LIMS

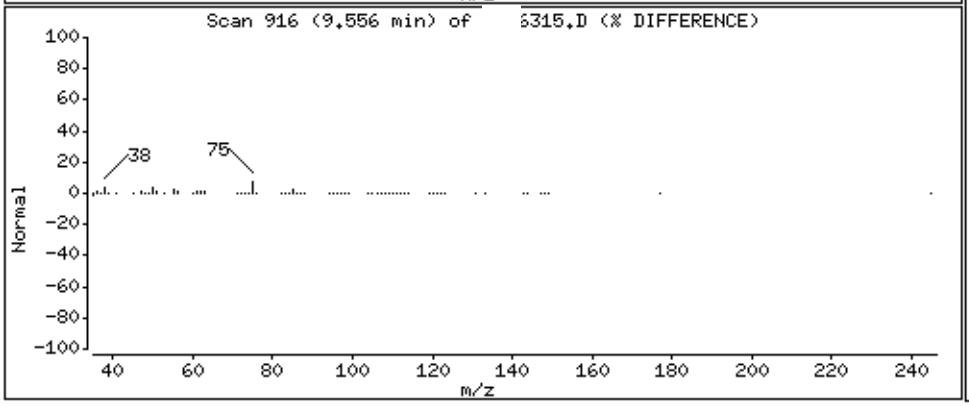
Column phase: DB-624 Column diameter: 0.25

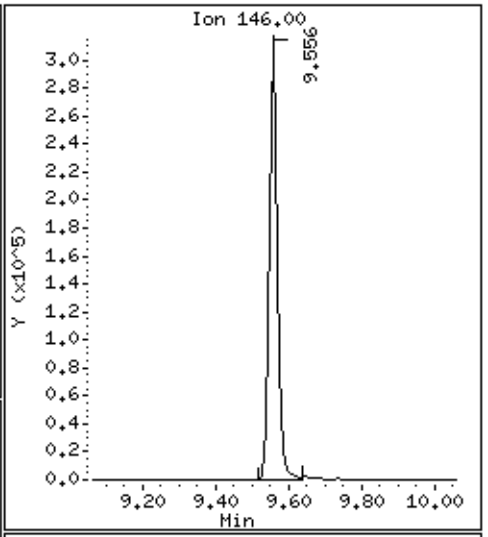
52 1,3-Dichlorobenzene Concentration: 79 ug/Kg

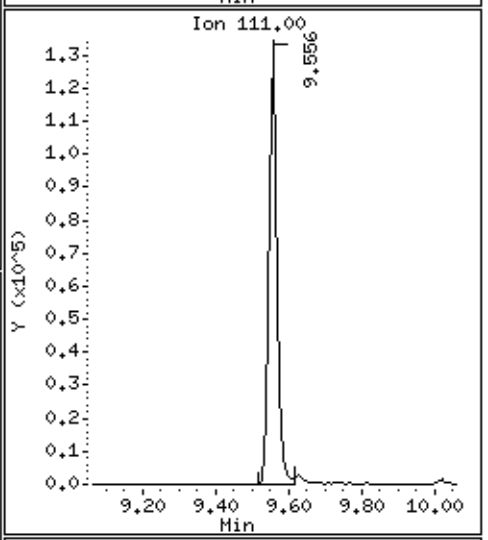


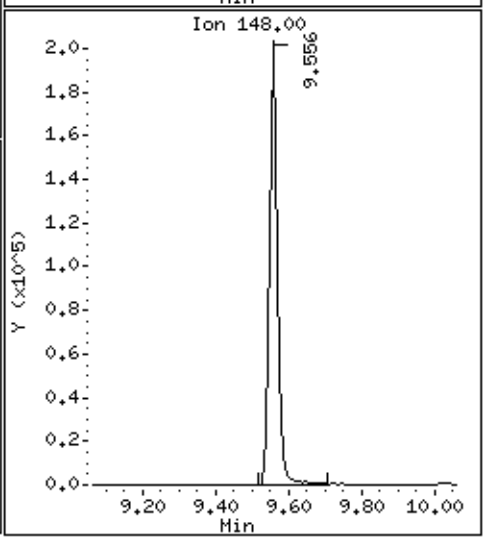












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

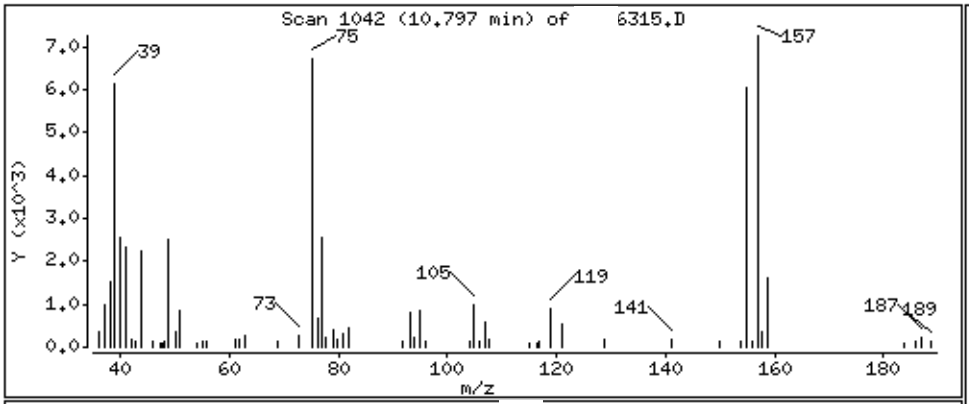
Client ID: 953 Instrument: V1.i

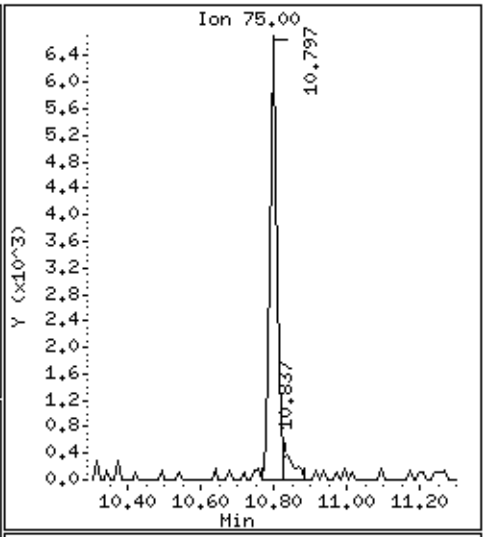
Sample Info: 5G,)78510,,881

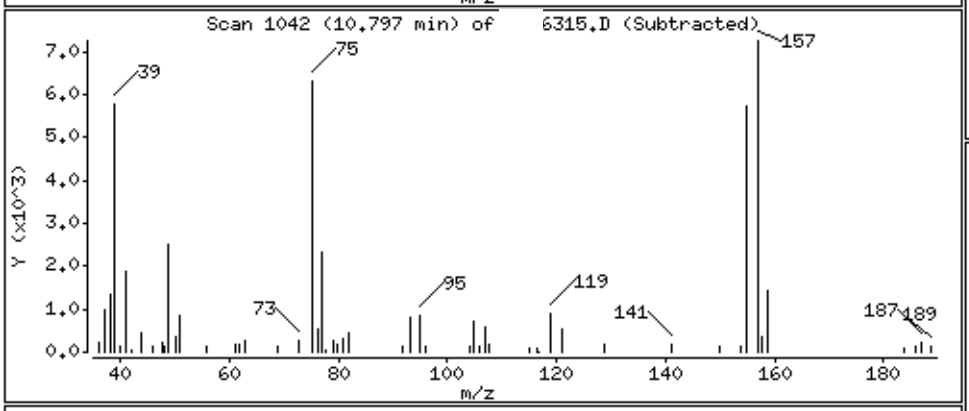
Operator: SRC: LIMS

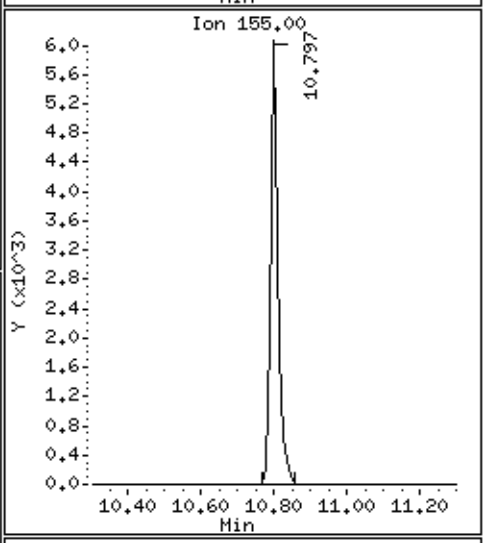
Column phase: DB-624 Column diameter: 0.25

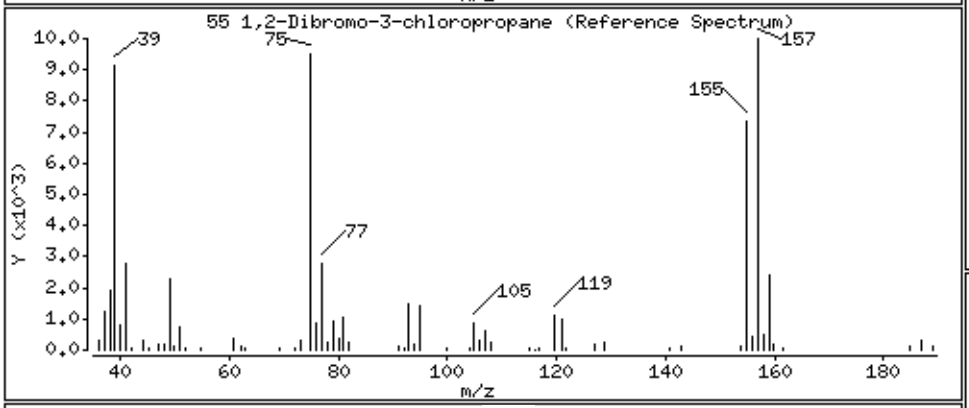
55 1,2-Dibromo-3-chloropropane Concentration: 18 ug/Kg

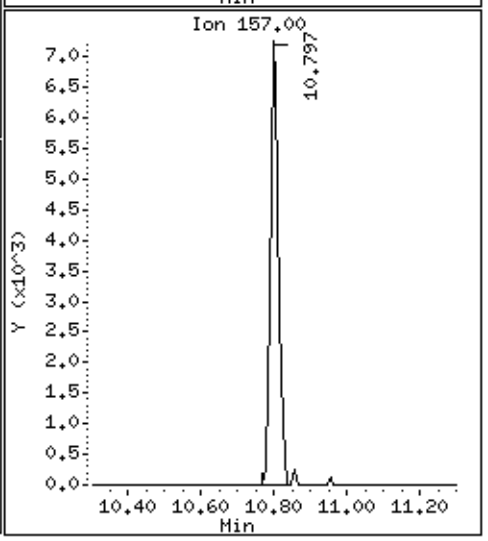


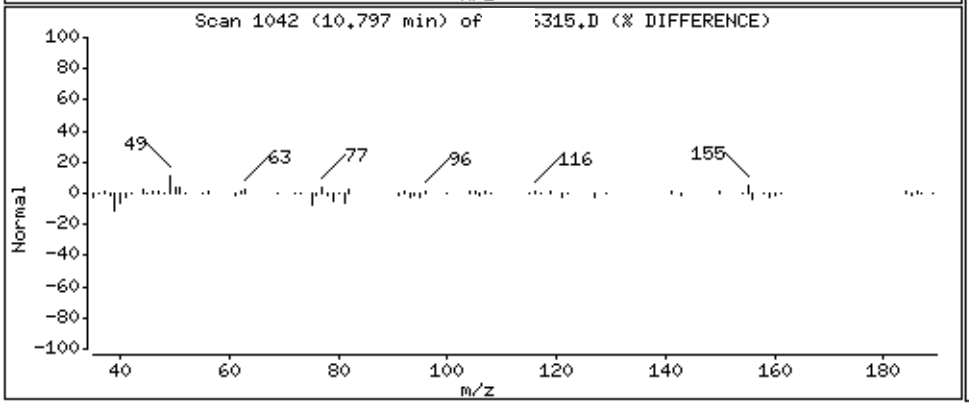












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

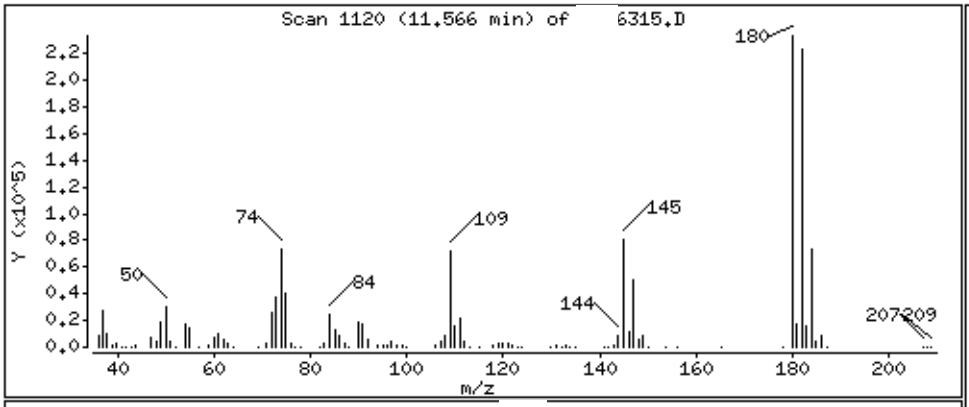
Client ID: 953 Instrument: V1.i

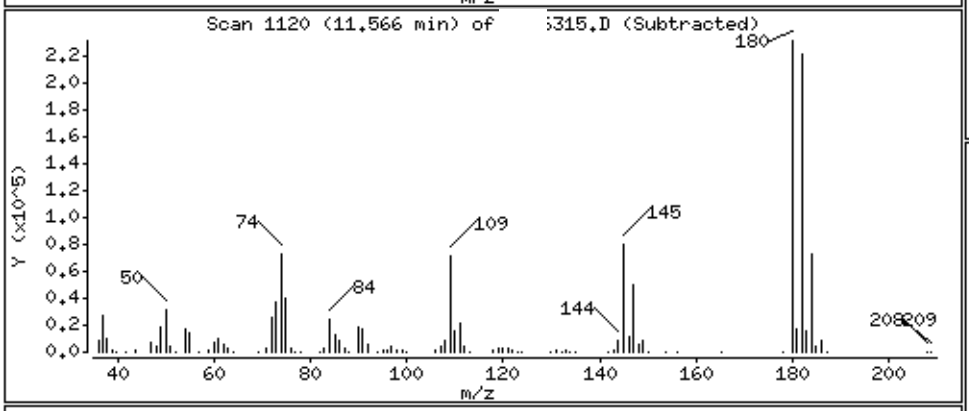
Sample Info: 5G, 078510,,881

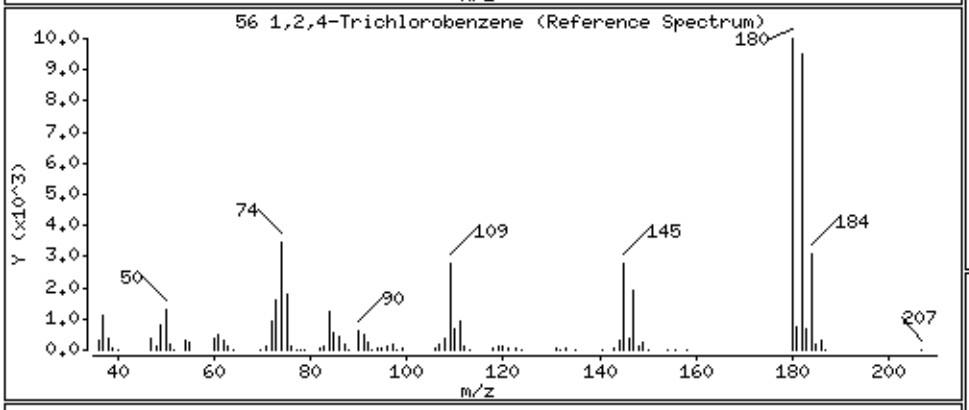
Operator: SRC: LIMS

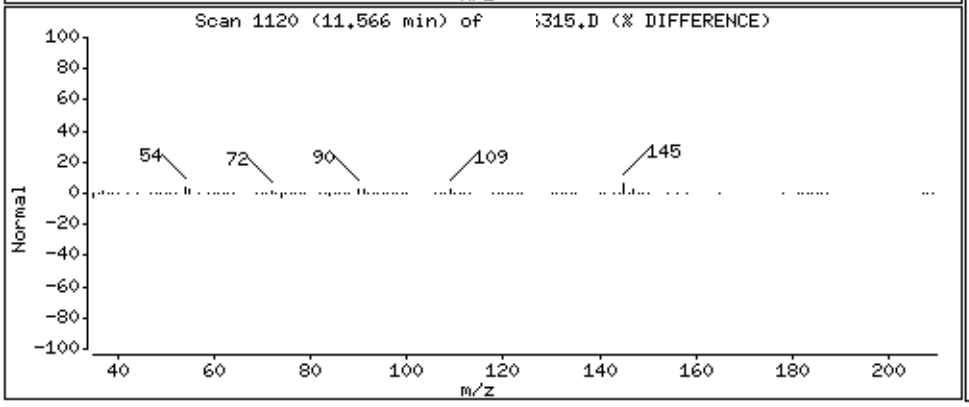
Column phase: DB-624 Column diameter: 0.25

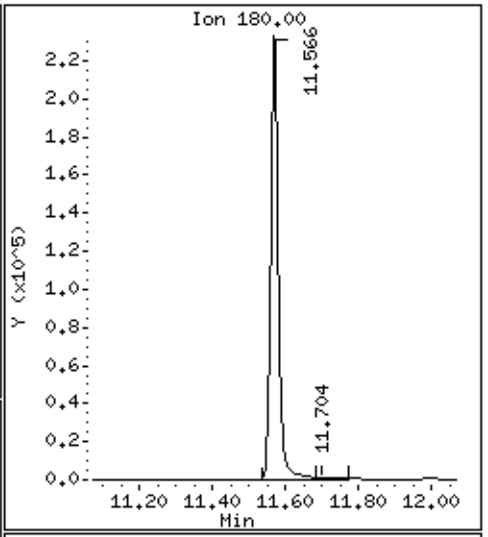
56 1,2,4-Trichlorobenzene Concentration: 110 ug/Kg

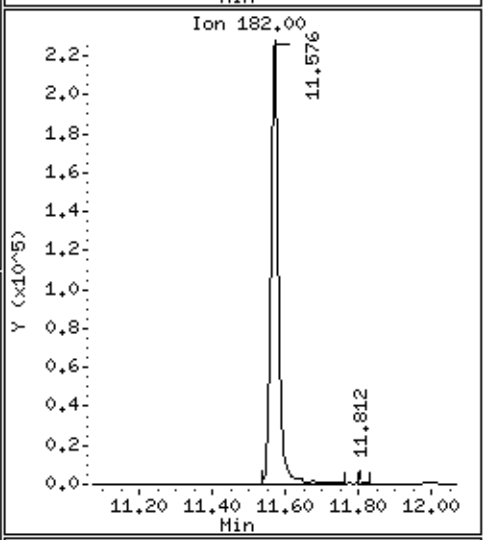


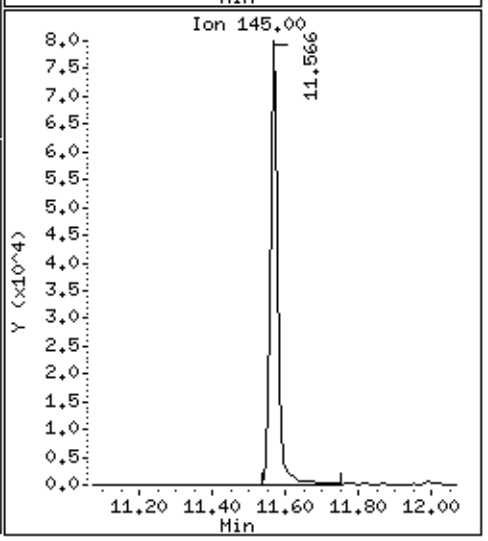












Data File: \\ \organics\V1.I\150713A.B\ 6315.D

Date : 13-JUL-2015 23:10

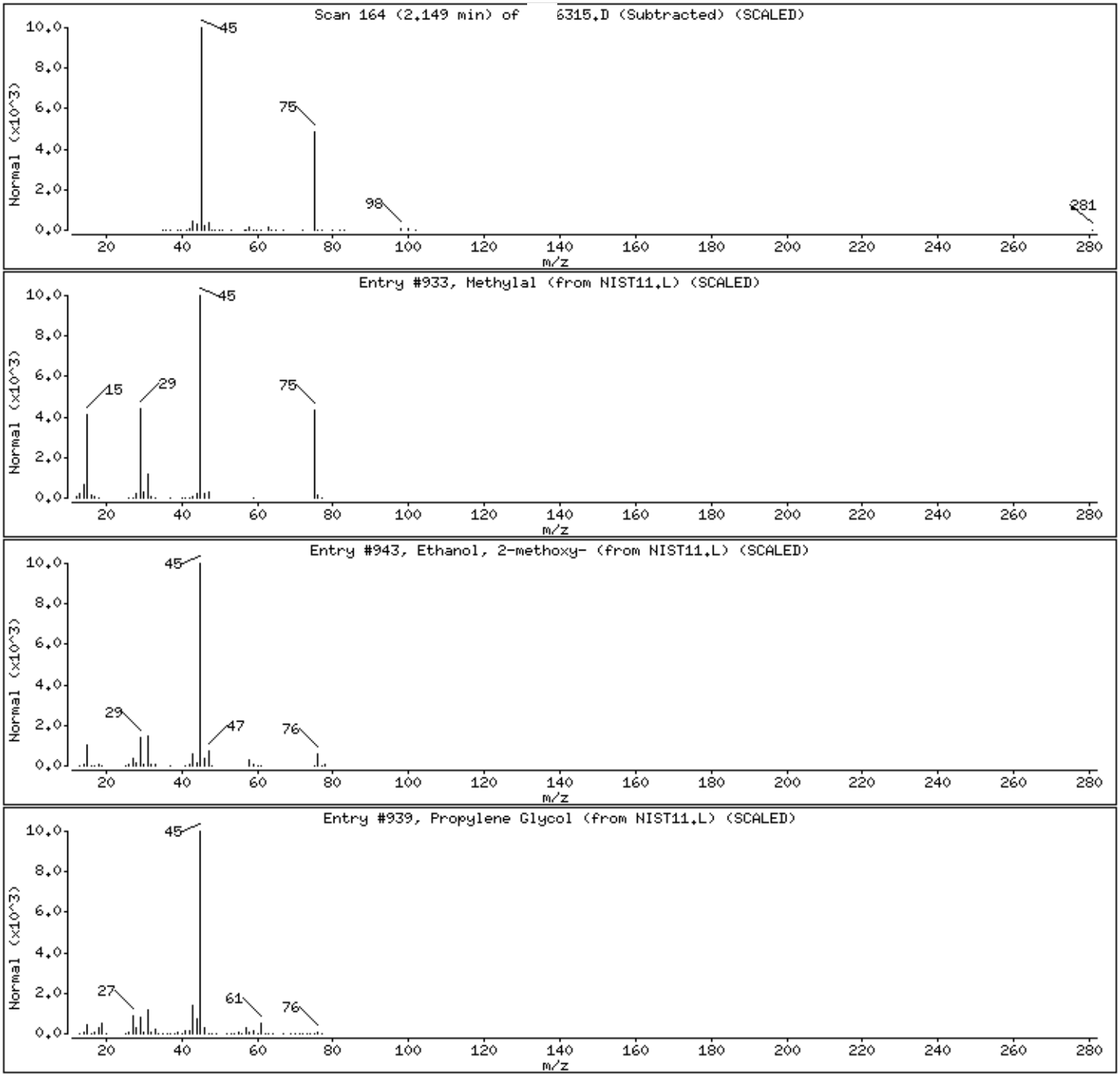
Client ID: 953 Instrument: V1.i

Sample Info: 5G, 078510,,881

Operator: SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methylal	109-87-5	NIST11.L	933	78	C3H8O2	76
Ethanol, 2-methoxy-	109-86-4	NIST11.L	943	7	C3H8O2	76
Propylene Glycol	57-55-6	NIST11.L	939	5	C3H8O2	76



FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
954

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078501
Sample wt/vol: 16.2 (g/mL) g | Lab File ID: 6323.D
% Solids: 46 | Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	3.4	U
74-87-3	Chloromethane	3.4	U
75-01-4	Vinyl chloride	3.4	U
74-83-9	Bromomethane	3.4	U
75-00-3	Chloroethane	3.4	U
75-69-4	Trichlorofluoromethane	3.4	U
75-35-4	1,1-Dichloroethene	3.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.4	U
67-64-1	Acetone	6.3	J
75-15-0	Carbon disulfide	3.4	U
79-20-9	Methyl Acetate	3.4	U
75-09-2	Methylene chloride	3.4	U
156-60-5	trans-1,2-Dichloroethene	3.4	U
1634-04-4	tert-Butyl Methyl Ether	3.4	U
75-34-3	1,1-Dichloroethane	3.4	U
156-59-2	cis-1,2-Dichloroethene	3.4	U
78-93-3	2-Butanone	6.7	U
67-66-3	Chloroform	3.4	U
71-55-6	1,1,1-Trichloroethane	3.4	U
110-82-7	Cyclohexane	3.4	U
56-23-5	Carbon tetrachloride	3.4	U
71-43-2	Benzene	3.4	U
107-06-2	1,2-Dichloroethane	3.4	U
79-01-6	Trichloroethene	3.4	U
108-87-2	Methyl Cyclohexane	3.4	U
78-87-5	1,2-Dichloropropane	3.4	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
954

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078501
Sample wt/vol: 16.2 (g/mL) g | Lab File ID: 6323.D
% Solids: 46 | Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	3.4	U
10061-01-5	cis-1,3-Dichloropropene	3.4	U
108-10-1	4-Methyl-2-pentanone	6.7	U
108-88-3	Toluene	3.4	U
10061-02-6	trans-1,3-Dichloropropene	3.4	U
79-00-5	1,1,2-Trichloroethane	3.4	U
127-18-4	Tetrachloroethene	3.4	U
591-78-6	2-Hexanone	6.7	U
124-48-1	Dibromochloromethane	3.4	U
106-93-4	1,2-Dibromoethane(EDB)	3.4	U
108-90-7	Chlorobenzene	3.4	U
100-41-4	Ethylbenzene	3.4	U
95-47-6	o-Xylene	3.4	U
179601-23-1	m,p-Xylene	3.4	U
100-42-5	Styrene	3.4	U
75-25-2	Bromoform	3.4	U
98-82-8	Isopropylbenzene (Cumene)	3.4	U
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U
541-73-1	1,3-Dichlorobenzene	3.4	U
106-46-7	1,4-Dichlorobenzene	3.4	U
95-50-1	1,2-Dichlorobenzene	3.4	U
96-12-8	1,2-Dibromo-3-chloropropane	3.4	U
120-82-1	1,2,4-Trichlorobenzene	3.4	U
74-97-5	Bromochloromethane	3.4	U
87-61-6	1,2,3-Trichlorobenzene	3.4	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
954

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078501
Sample wt/vol: 16.2 (g/mL) g | Lab File ID: 6323.D
% Solids: 46 | Date Received: 07/08/2015
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/14/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150713B.B\ 6323.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles
Data file : \ \organics\V1.I\150713B.B\ 6323.D
Lab Smp Id: 078501 Client Smp ID: 954
Inj Date : 14-JUL-2015 04:27
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : SG, 078501,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\ .m
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 43
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	16.200	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 79	Vinyl Chloride-d3	65	1.344	1.343	(0.312)	240694	42.9558	13
$ 80	Chloroethane-d5	69	1.620	1.638	(0.376)	195111	46.8561	14
$ 81	1,1-Dichloroethene-d2	65	2.102	2.121	(0.488)	107222	46.2303	14(Q)
9	Acetone	43	2.142	2.141	(0.497)	28229	9.29886	2.9
$ 82	2-Butanone-d5	46	3.284	3.293	(0.762)	295549	77.4996	24
$ 83	Chloroform-d	84	3.540	3.549	(0.822)	380443	46.7612	14(Q)
$ 23	1,2-Dichloroethane-d4	65	3.944	3.943	(0.915)	182218	43.9667	14
$ 84	Benzene-d6	84	3.964	3.973	(0.563)	924845	45.4023	14
* 26	1,4-Difluorobenzene	114	4.309	4.308	(1.000)	680107	50.0000	
$ 85	1,2-Dichloropropane-d6	67	4.634	4.643	(0.658)	314069	45.9780	14
$ 33	Toluene-d8	98	5.619	5.618	(0.797)	685622	47.4156	15
$ 86	trans-1,3-Dichloropropene-d4	79	5.855	5.864	(0.831)	244363	43.7976	14
$ 87	2-Hexanone-d5	63	6.279	6.278	(0.891)	156113	75.3324	23
* 42	Chlorobenzene-d5	117	7.047	7.056	(1.000)	542161	50.0000	
$ 89	1,1,2,2-Tetrachloroethane-d2	84	8.485	8.484	(1.204)	218896	43.8764	14
* 78	1,4-Dichlorobenzene-d4	152	9.637	9.636	(1.000)	215774	50.0000	
$ 90	1,2-Dichlorobenzene-d4	152	10.021	10.020	(1.040)	186130	46.8276	14

Data File: \ \organics\V1.I\150713B.B\ 6323.D
Report Date: 15-Jul-2015 11:32

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ \organics\V1.I\150713B.B\ 6323.D
Report Date: 15-Jul-2015 11:32

SOM01.0 - Low/Med Volatiles

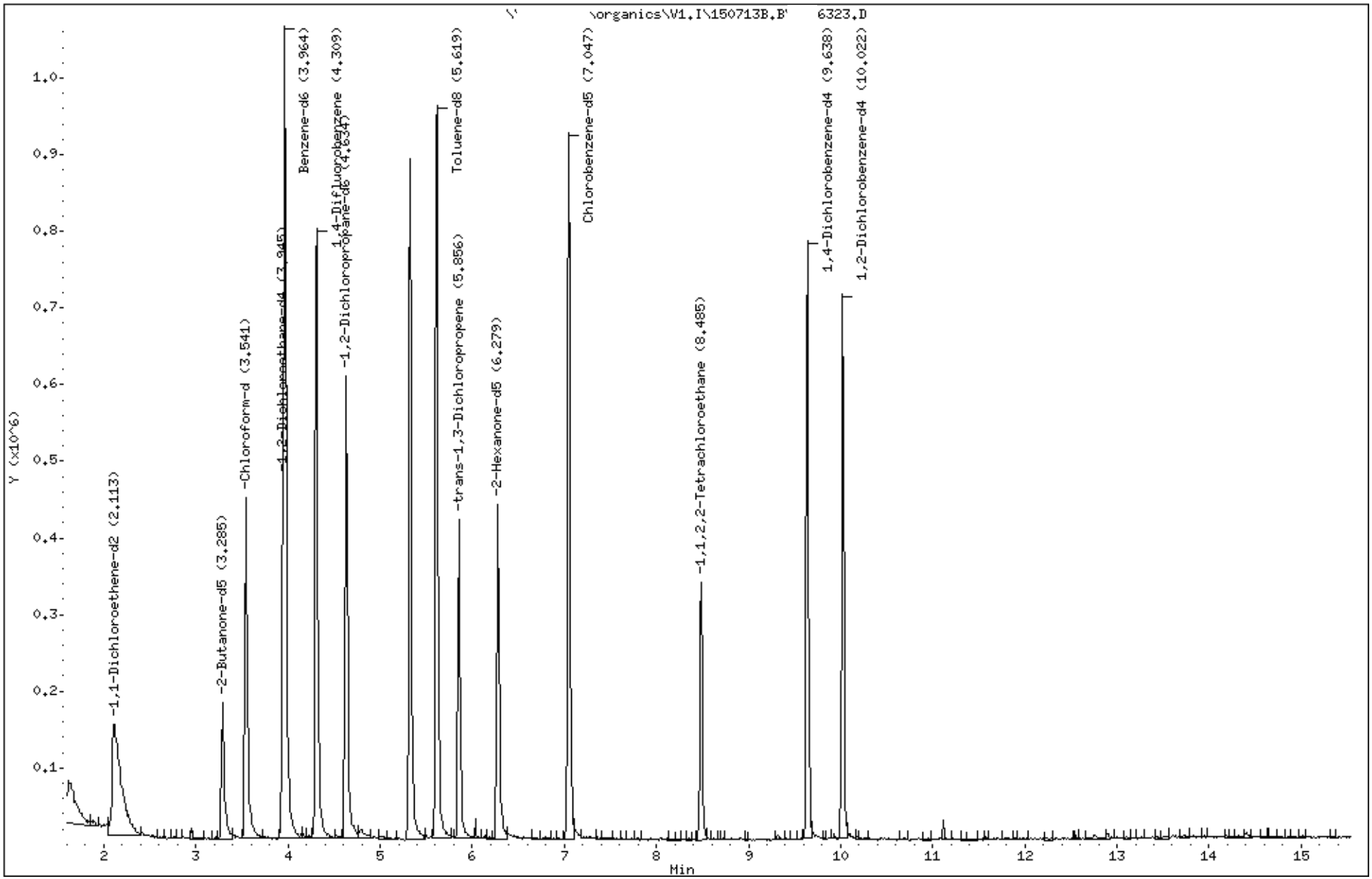
Data file : \\ \organics\V1.I\150713B.B\ 6323.D
Lab Smp Id: 078501 Client Smp ID: 954
Inj Date : 14-JUL-2015 04:27
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 078501,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 43
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ \organics\V1.I\150713B.B\ 6323.D
Date : 14-JUL-2015 04:27
Client ID: 954
Sample Info: 5G, .078501,,883

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713B.B\ 6323.D

Date : 14-JUL-2015 04:27

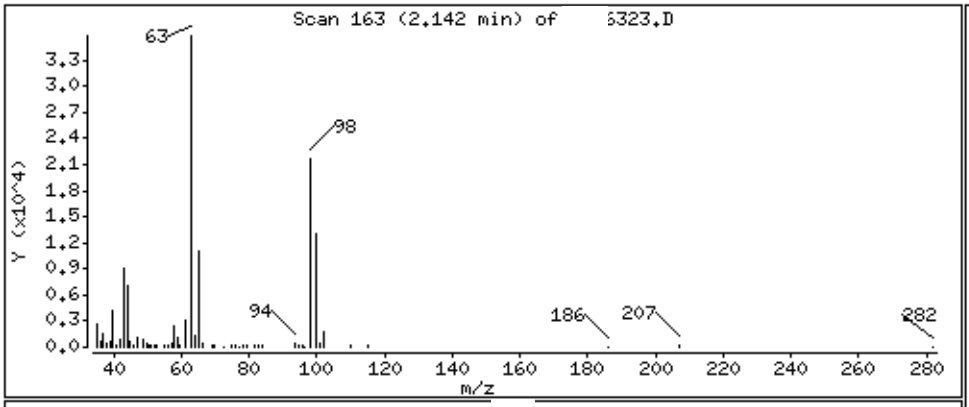
Client ID: 354 Instrument: V1.i

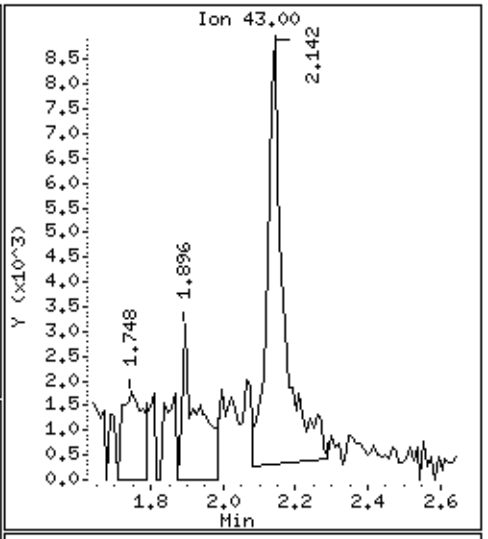
Sample Info: 5G, 078501,,883

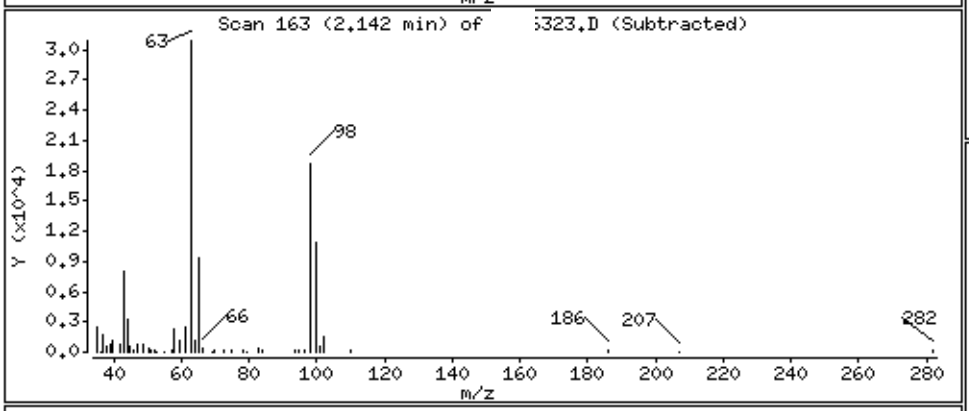
Operator: SRC: LIMS

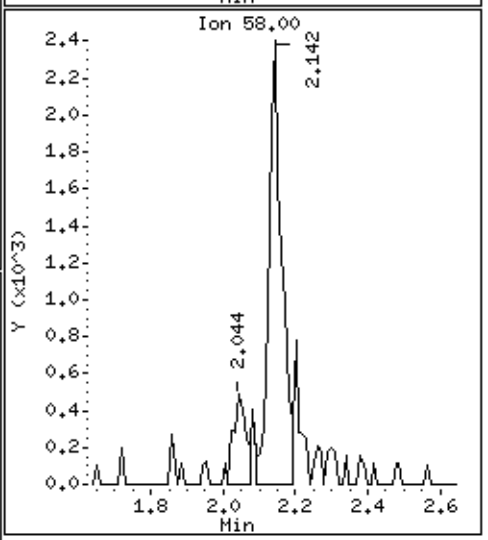
Column phase: DB-624 Column diameter: 0.25

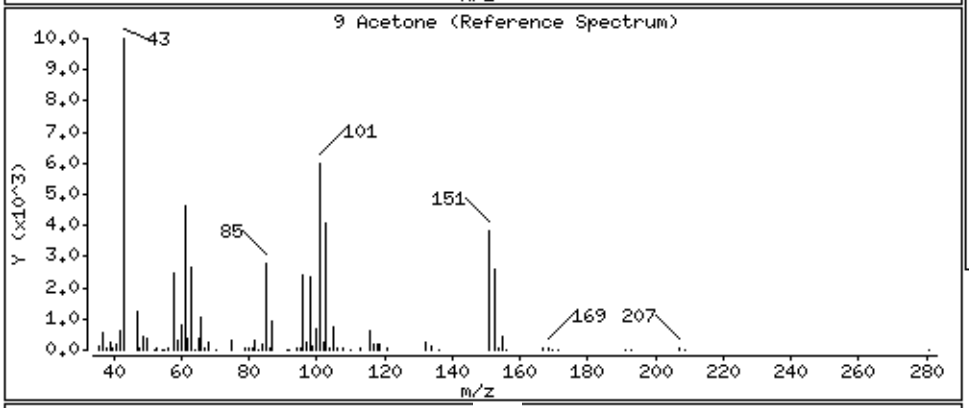
9 Acetone Concentration: 2.9 ug/Kg

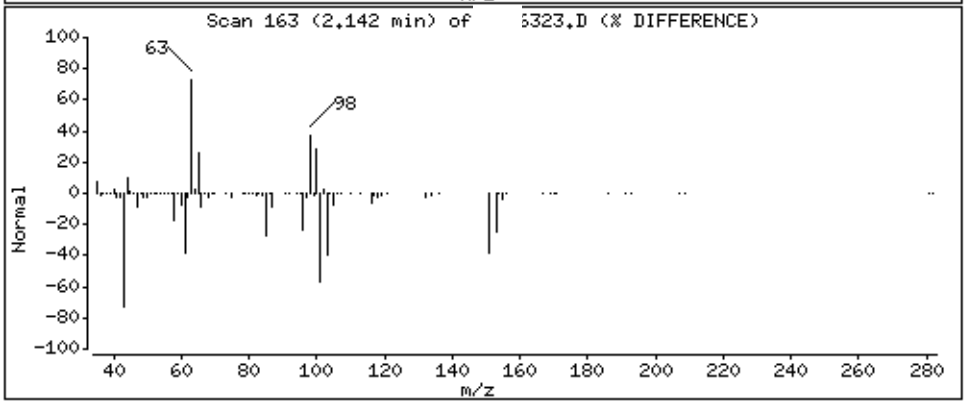












FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
955

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078502
Sample wt/vol: 5.70 (g/mL) g | Lab File ID: 6324.D
% Solids: 63 | Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: | Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	7.0	U
74-87-3	Chloromethane	7.0	U
75-01-4	Vinyl chloride	7.0	U
74-83-9	Bromomethane	7.0	U
75-00-3	Chloroethane	7.0	U
75-69-4	Trichlorofluoromethane	7.0	U
75-35-4	1,1-Dichloroethene	7.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.0	U
67-64-1	Acetone	89	
75-15-0	Carbon disulfide	7.0	U
79-20-9	Methyl Acetate	4.6	J
75-09-2	Methylene chloride	7.0	U
156-60-5	trans-1,2-Dichloroethene	7.0	U
1634-04-4	tert-Butyl Methyl Ether	7.0	U
75-34-3	1,1-Dichloroethane	7.0	U
156-59-2	cis-1,2-Dichloroethene	7.0	U
78-93-3	2-Butanone	23	
67-66-3	Chloroform	7.0	U
71-55-6	1,1,1-Trichloroethane	7.0	U
110-82-7	Cyclohexane	7.0	U
56-23-5	Carbon tetrachloride	7.0	U
71-43-2	Benzene	7.0	U
107-06-2	1,2-Dichloroethane	7.0	U
79-01-6	Trichloroethene	7.0	U
108-87-2	Methyl Cyclohexane	7.0	U
78-87-5	1,2-Dichloropropane	7.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
955

Lab Name:
Contract:
Lab Code : Case No.:
MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 078502
Sample wt/vol: 5.70 (g/mL) g
Lab File ID: 6324.D
% Solids: 63
Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	7.0	U
10061-01-5	cis-1,3-Dichloropropene	7.0	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	7.0	U
10061-02-6	trans-1,3-Dichloropropene	7.0	U
79-00-5	1,1,2-Trichloroethane	7.0	U
127-18-4	Tetrachloroethene	7.0	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	7.0	U
106-93-4	1,2-Dibromoethane(EDB)	7.0	U
108-90-7	Chlorobenzene	7.0	U
100-41-4	Ethylbenzene	7.0	U
95-47-6	o-Xylene	7.0	U
179601-23-1	m,p-Xylene	7.0	U
100-42-5	Styrene	11	
75-25-2	Bromoform	7.0	U
98-82-8	Isopropylbenzene (Cumene)	6.2	J
79-34-5	1,1,2,2-Tetrachloroethane	7.0	U
541-73-1	1,3-Dichlorobenzene	7.0	U
106-46-7	1,4-Dichlorobenzene	7.0	U
95-50-1	1,2-Dichlorobenzene	7.0	U
96-12-8	1,2-Dibromo-3-chloropropane	7.0	U
120-82-1	1,2,4-Trichlorobenzene	7.0	U
74-97-5	Bromochloromethane	7.0	U
87-61-6	1,2,3-Trichlorobenzene	7.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
955

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078502
Sample wt/vol: 5.70 (g/mL) g | Lab File ID: 6324.D
% Solids: 63 | Date Received: 07/08/2015
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/14/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): ug/Kg | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	7785-26-4	(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-	8.17	99	NJ
02	18172-67-3	Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-m	8.909	5.0	NJ
03	5989-27-5	D-Limonene	9.598	12	NJ
04	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150713B.B\ 6324.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713B.B\ 6324.D
Lab Smp Id: 078502 Client Smp ID: 955
Inj Date : 14-JUL-2015 04:53
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 078502,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 44
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.700	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 79 Vinyl Chloride-d3	65	1.334	1.343	(0.310)	287189	51.4307	45
$ 80 Chloroethane-d5	69	1.619	1.638	(0.376)	228862	55.1513	48
$ 81 1,1-Dichloroethene-d2	65	2.102	2.121	(0.488)	113167	48.9621	43(Q)
9 Acetone	43	2.141	2.141	(0.497)	192706	63.6981	56
11 Methyl Acetate	43	2.368	2.367	(0.550)	19257	3.26437	2.9
$ 82 2-Butanone-d5	46	3.284	3.293	(0.762)	207458	54.5881	48
16 2-Butanone	43	3.323	3.333	(0.771)	71663	16.3377	14
$ 83 Chloroform-d	84	3.540	3.549	(0.822)	405811	50.0516	44(Q)
$ 23 1,2-Dichloroethane-d4	65	3.944	3.943	(0.915)	201741	48.8454	43
$ 84 Benzene-d6	84	3.964	3.973	(0.562)	977715	54.3319	48
* 26 1,4-Difluorobenzene	114	4.308	4.308	(1.000)	677766	50.0000	
$ 85 1,2-Dichloropropane-d6	67	4.633	4.643	(0.657)	345062	57.1815	50
$ 33 Toluene-d8	98	5.618	5.618	(0.796)	653931	51.1920	45
$ 86 trans-1,3-Dichloropropene-d4	79	5.865	5.864	(0.831)	198531	40.2788	35
$ 87 2-Hexanone-d5	63	6.278	6.278	(0.890)	117857	64.3772	56
* 42 Chlorobenzene-d5	117	7.056	7.056	(1.000)	478955	50.0000	
47 Styrene	104	7.795	7.785	(1.105)	95885	8.22034	7.2
49 Isopropylbenzene	105	8.169	8.188	(1.158)	76023	4.41110	3.9(QH)
$ 89 1,1,2,2-Tetrachloroethane-d2	84	8.485	8.484	(1.202)	201364	45.6886	40
* 78 1,4-Dichlorobenzene-d4	152	9.647	9.636	(1.000)	150324	50.0000	
$ 90 1,2-Dichlorobenzene-d4	152	10.031	10.020	(1.040)	136920	49.4451	43(Q)

Data File: \\ \organics\V1.I\150713B.B\ 6324.D
Report Date: 15-Jul-2015 11:32

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\ \organics\V1.I\150713B.B\ 6324.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713B.B\ 6324.D
Lab Smp Id: 078502 Client Smp ID: 955
Inj Date : 14-JUL-2015 04:53
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 078502,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 44
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.700	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

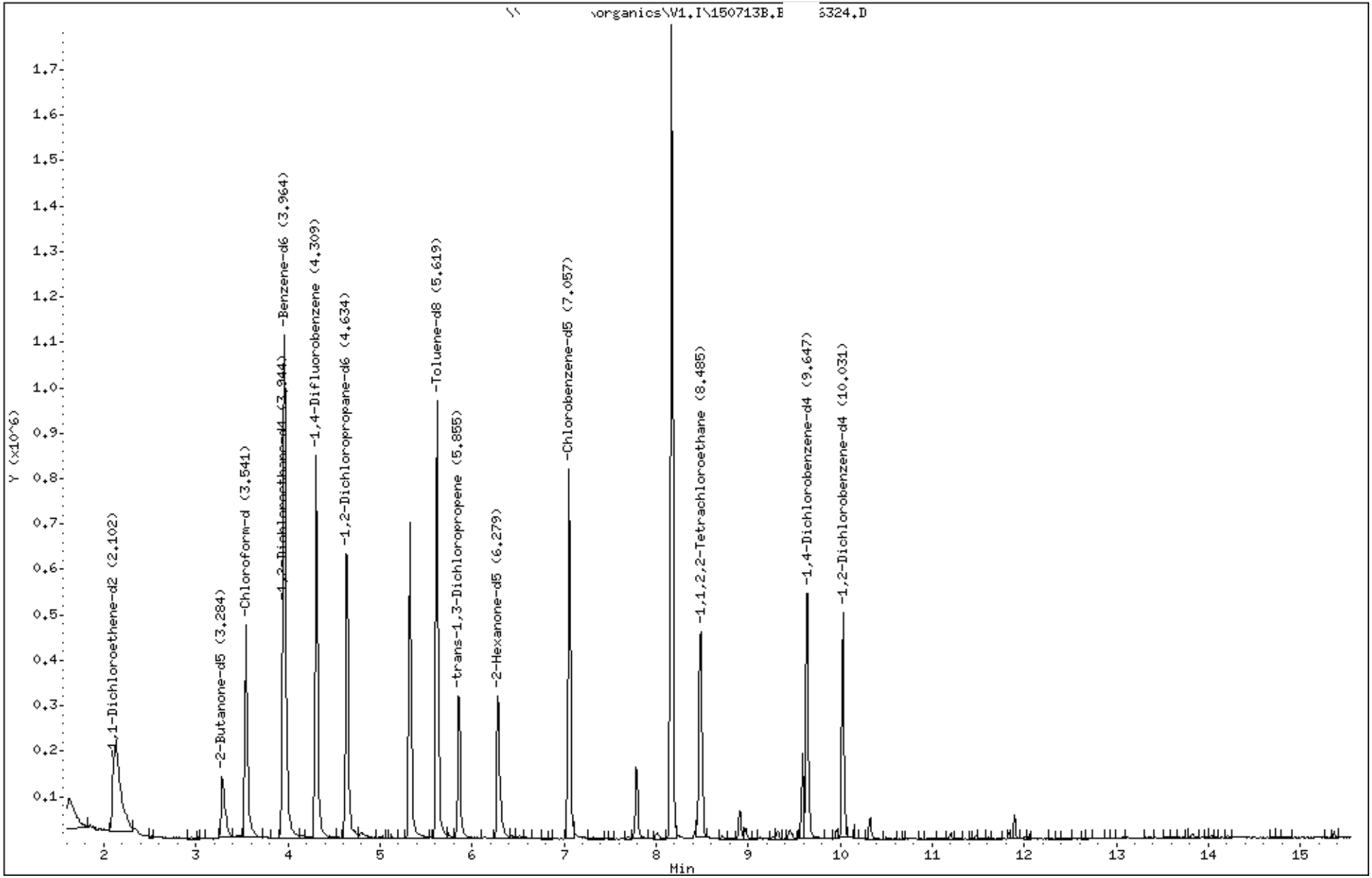
ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	7.057	1466236	50.000
* 78 1,4-Dichlorobenzene-d4	9.647	1123389	50.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2					CAS #: 7785-26-4		
8.170	3309763	112.865949	99	97	NIST11.L	15851	42
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-me					CAS #: 18172-67-3		
8.909	128544	5.72127554	5.0	92	NIST11.L	15908	78
D-Limonene					CAS #: 5989-27-5		
9.598	307571	13.6894305	12	93	NIST11.L	15680	78

Data File: \\ \organics\V1.I\150713B.B\ 6324.D
Date : 14-JUL-2015 04:53
Client ID: 955
Sample Info: 5G 078502,,883

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713B.B\ 6324.D

Date : 14-JUL-2015 04:53

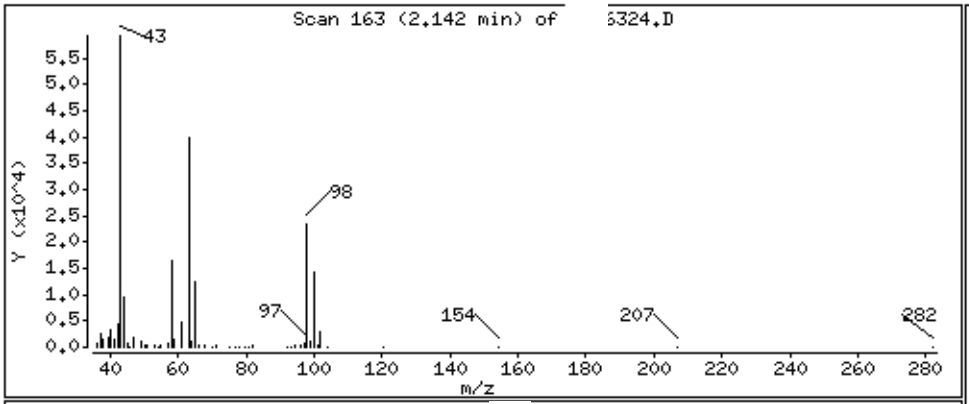
Client ID: 955 Instrument: V1.i

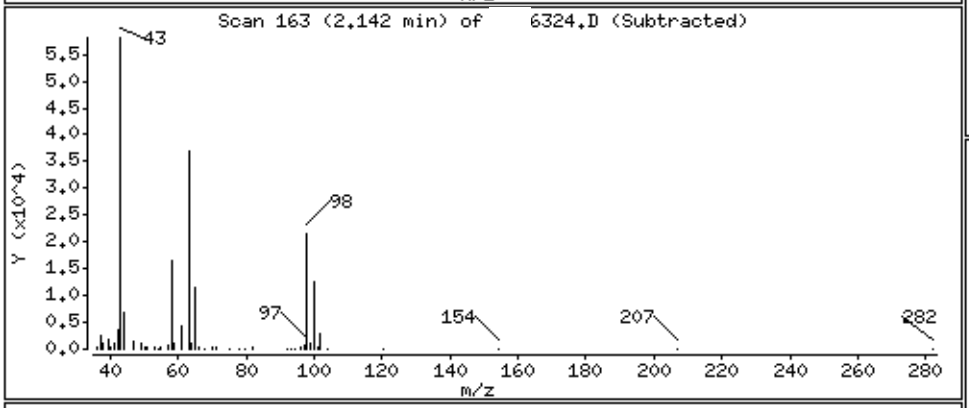
Sample Info: 5G, 078502,,883

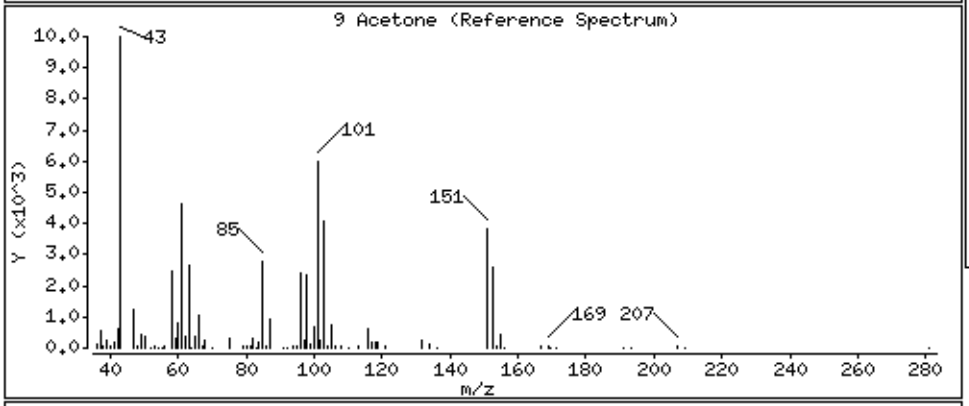
Operator: SRC: LIMS

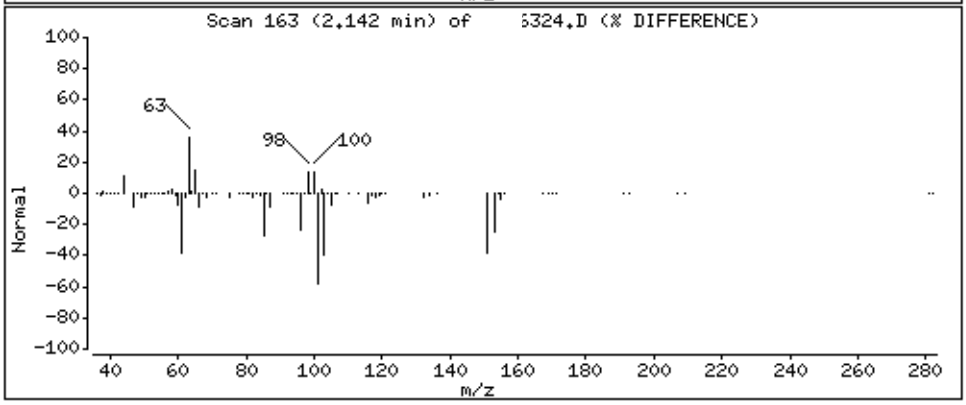
Column phase: DB-624 Column diameter: 0.25

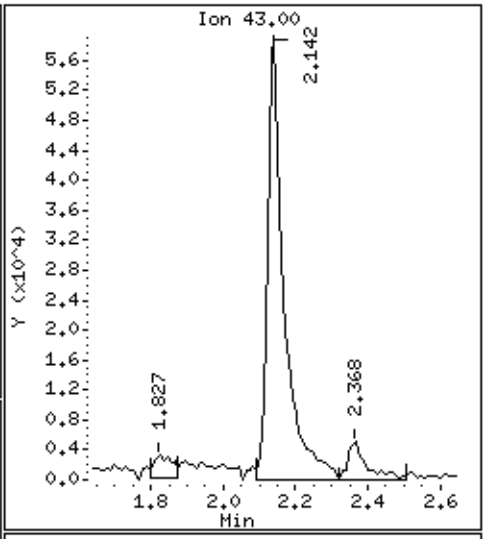
9 Acetone Concentration: 56 ug/Kg

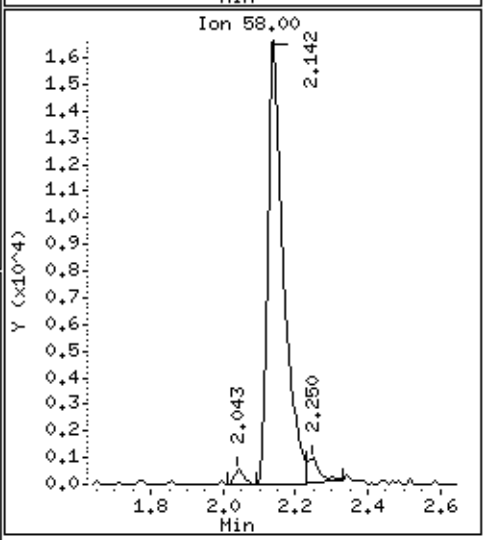












Data File: \\ \organics\V1.I\150713B.B\ 6324.D

Date : 14-JUL-2015 04:53

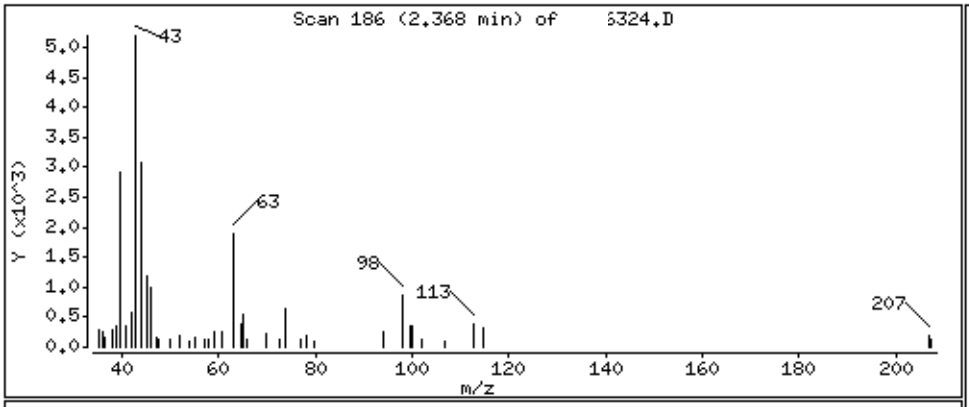
Client ID: 955 Instrument: V1.i

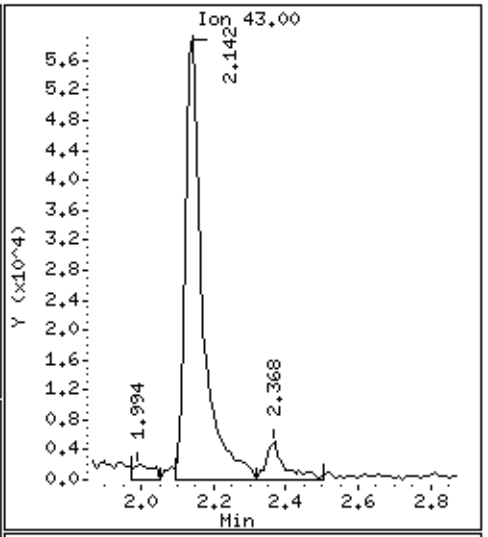
Sample Info: 5G, 078502,,883

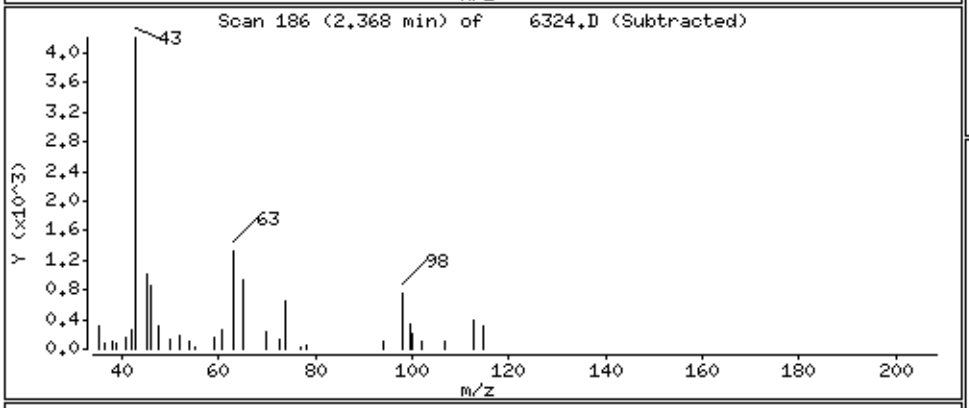
Operator: SRC: LIMS

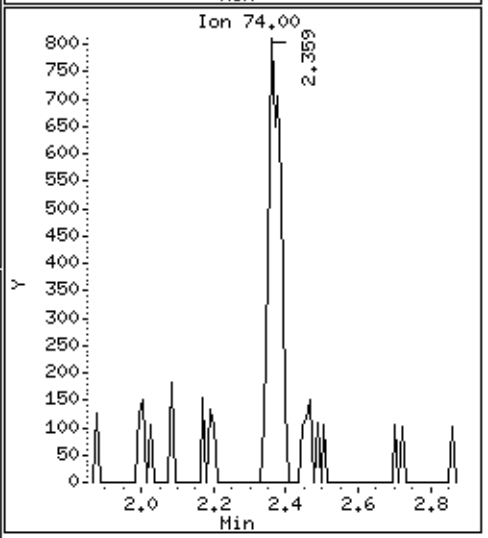
Column phase: DB-624 Column diameter: 0.25

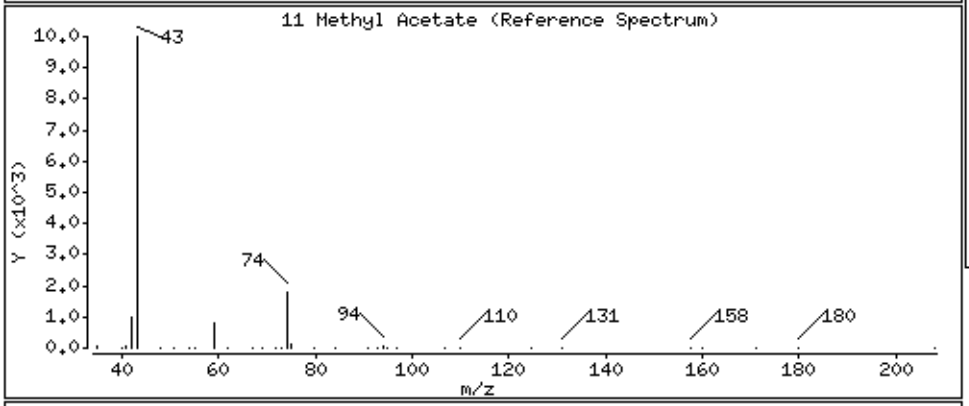
11 Methyl Acetate Concentration: 2.9 ug/Kg

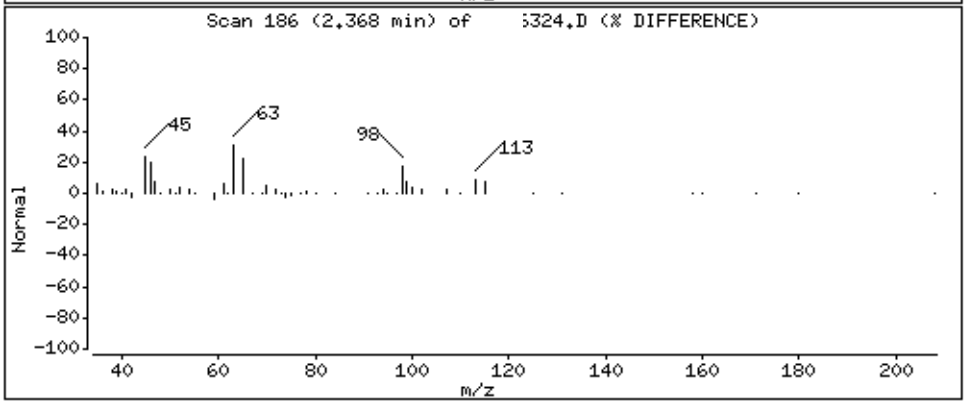












Data File: \\ \organics\V1.I\150713B.B\ 6324.D

Date : 14-JUL-2015 04:53

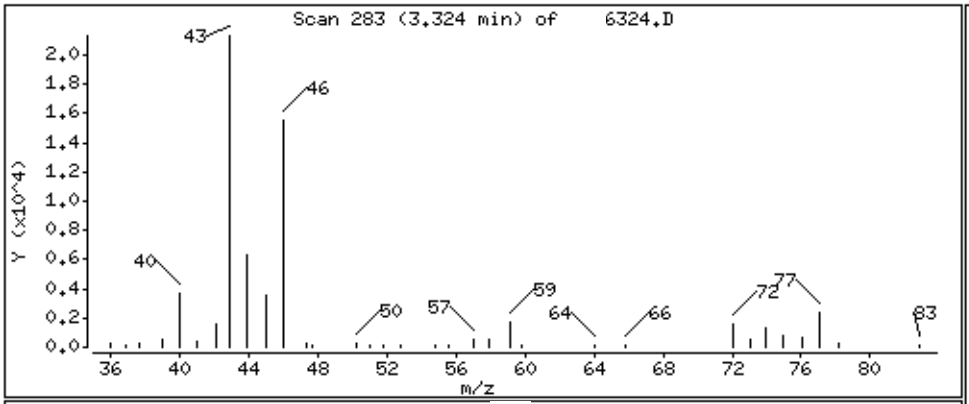
Client ID: 355 Instrument: V1.i

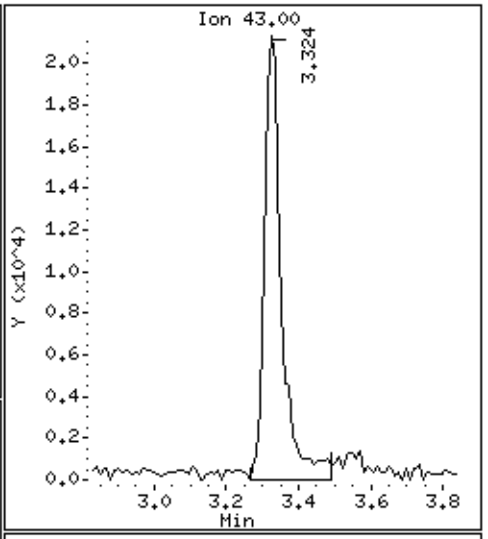
Sample Info: 5G, 078502,,883

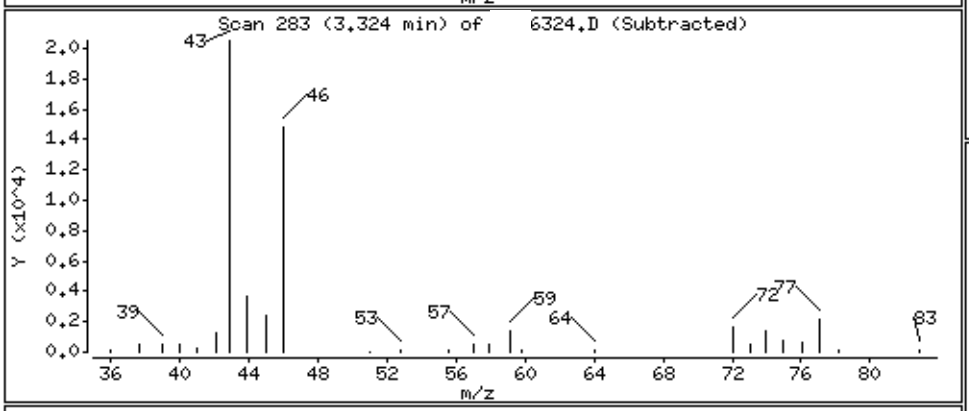
Operator: SRC: LIMS

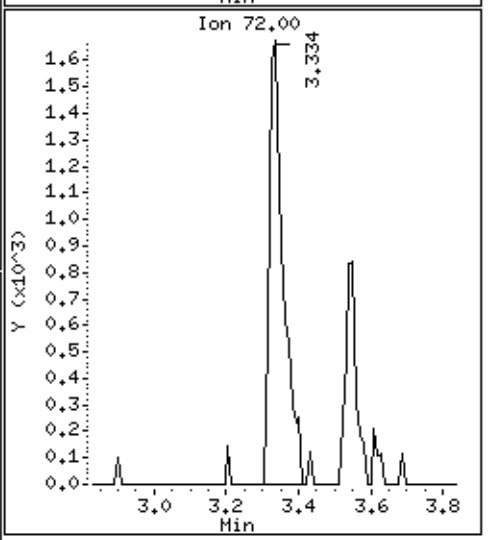
Column phase: DB-624 Column diameter: 0.25

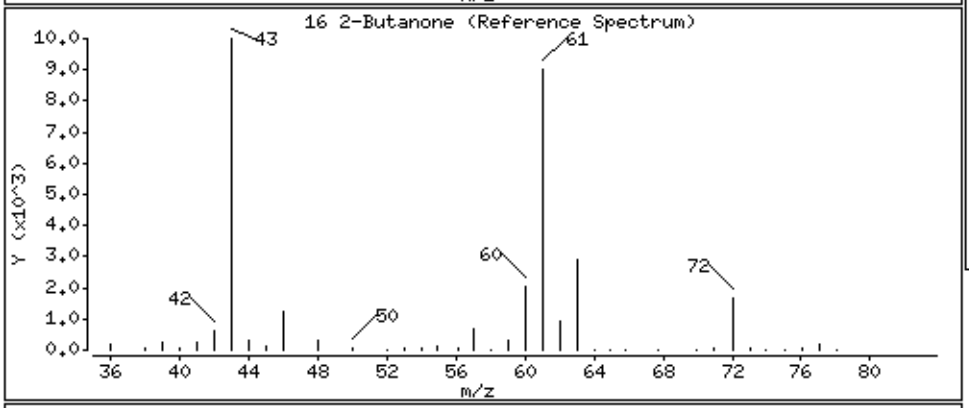
16 2-Butanone Concentration: 14 ug/Kg

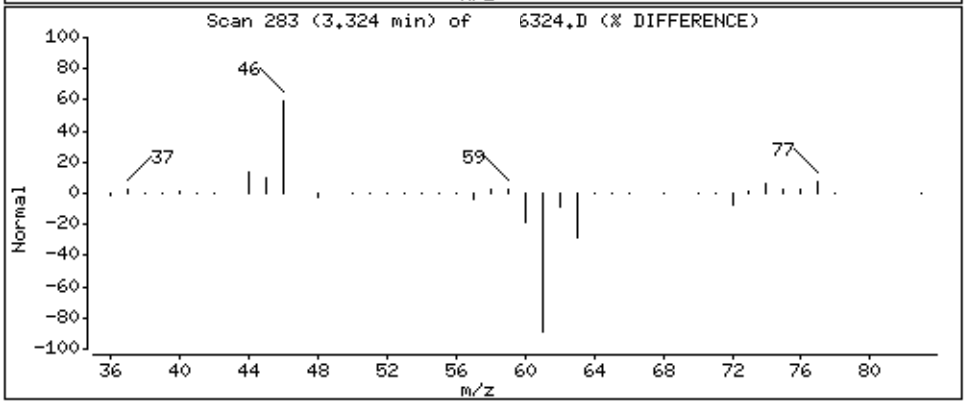












Data File: \\ \organics\V1.I\150713B.B\ 6324.D

Date : 14-JUL-2015 04:53

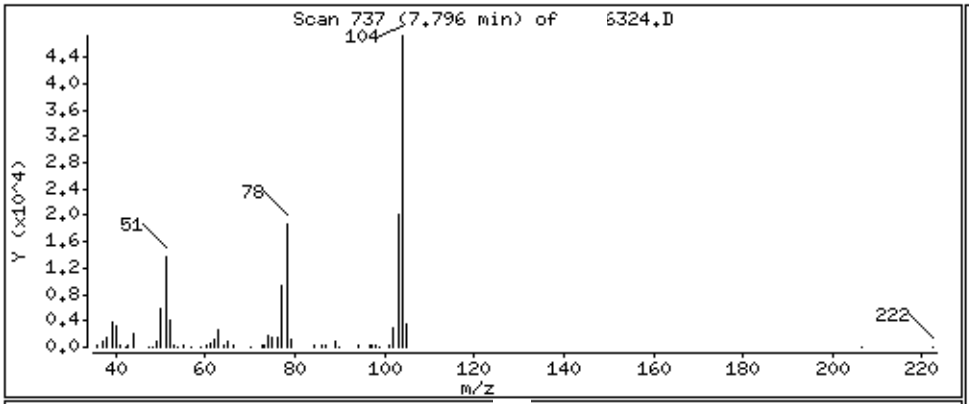
Client ID: 955 Instrument: V1.i

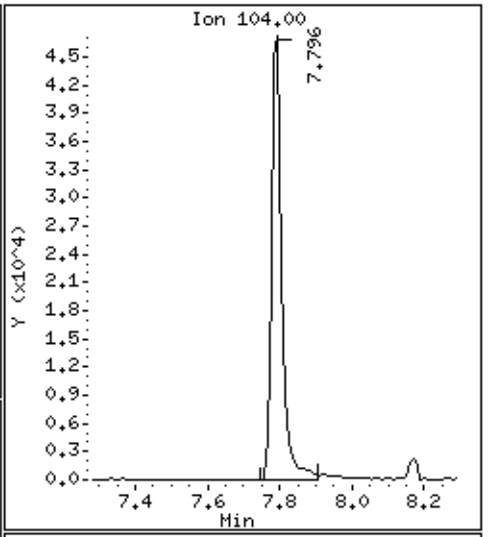
Sample Info: 5G, 078502,,883

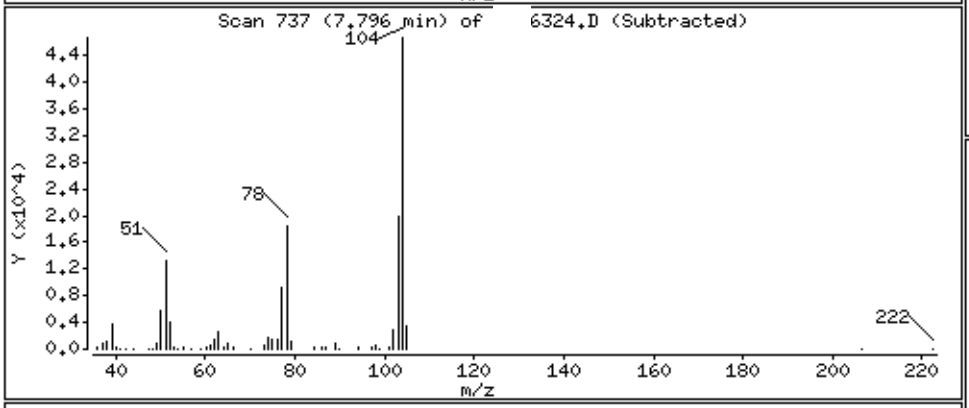
Operator: SRC: LIMS

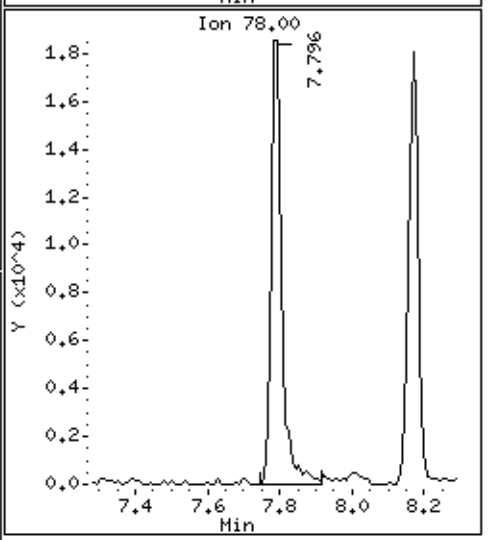
Column phase: DB-624 Column diameter: 0.25

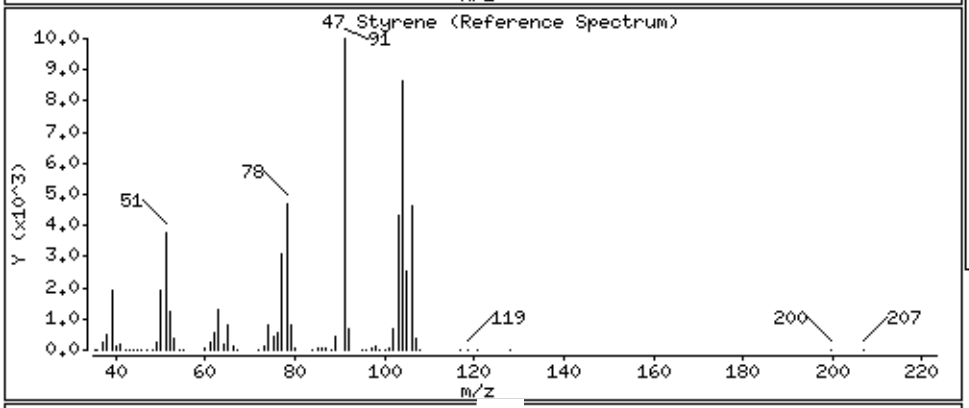
47 Styrene Concentration: 7.2 ug/Kg

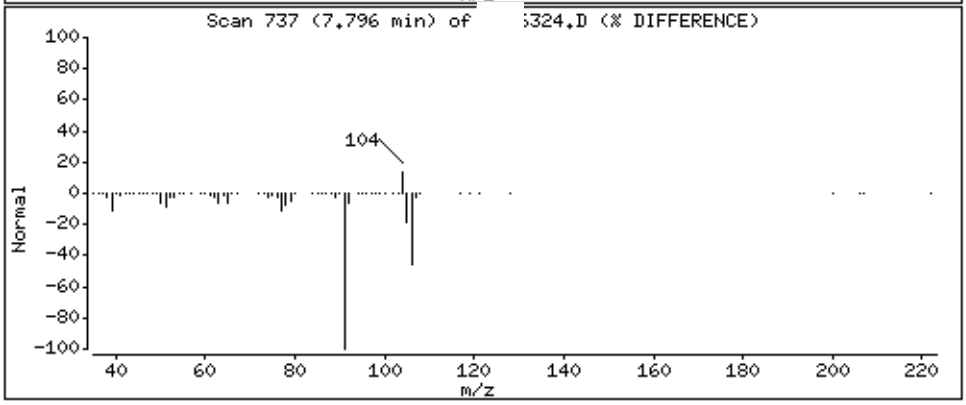












Data File: \\ \organics\V1.I\150713B.B\ 6324.D

Date : 14-JUL-2015 04:53

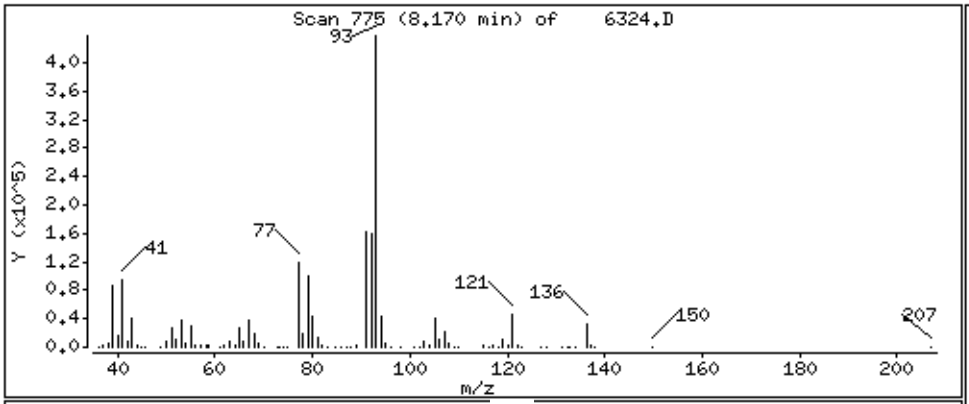
Client ID: 955 Instrument: V1.i

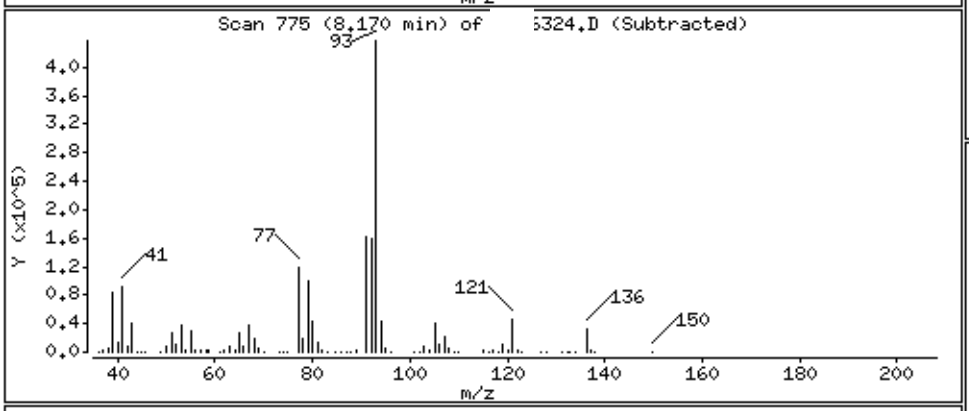
Sample Info: 5G, 078502,,883

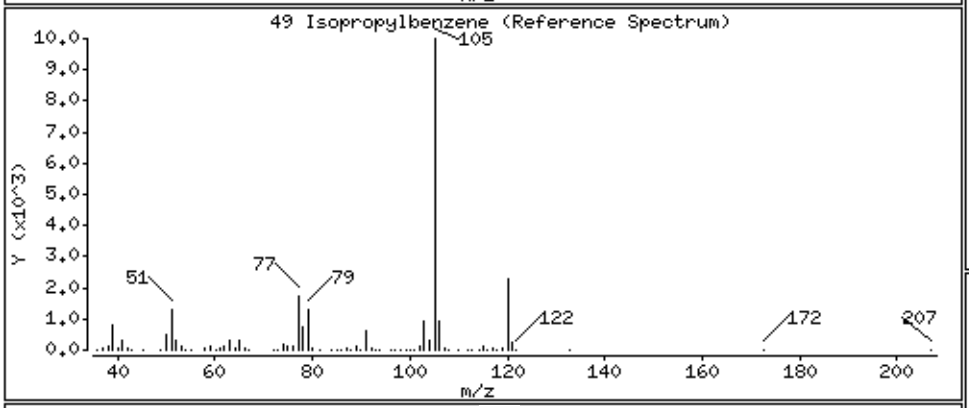
Operator: SRC: LIMS

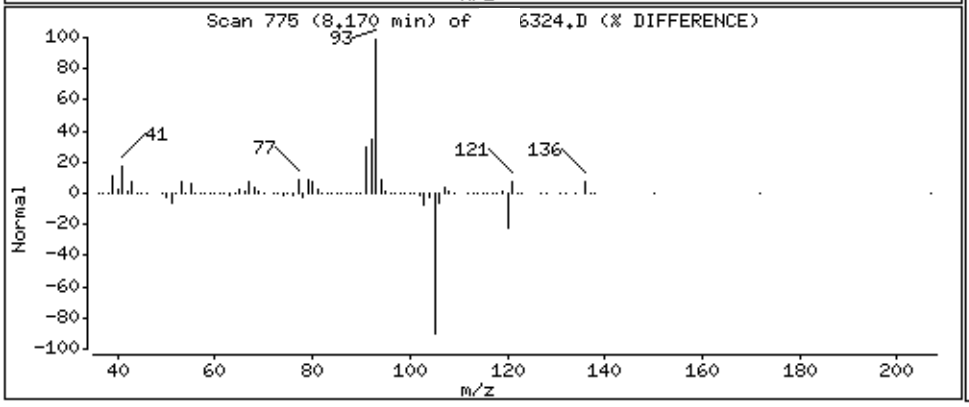
Column phase: DB-624 Column diameter: 0.25

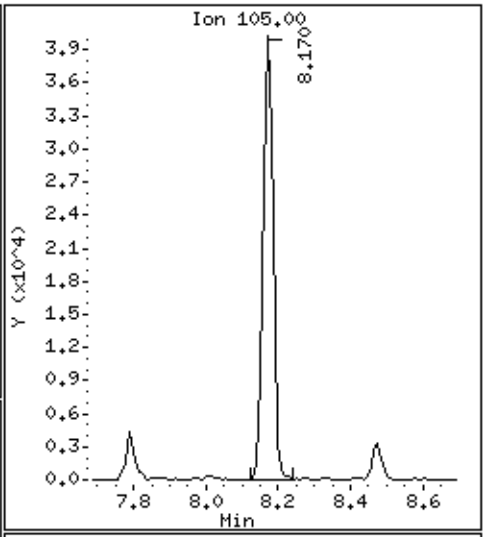
49 Isopropylbenzene Concentration: 3.9 ug/Kg

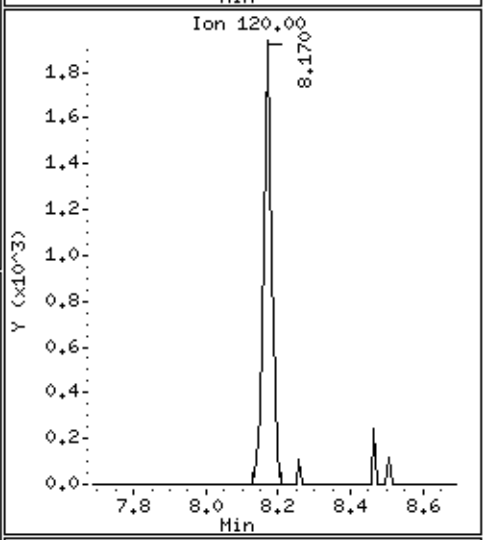


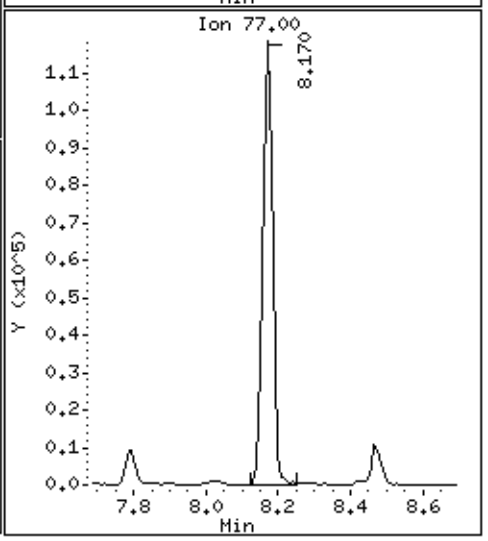












Data File: \\ \organics\V1.I\150713B.B\ 5324.D

Date : 14-JUL-2015 04:53

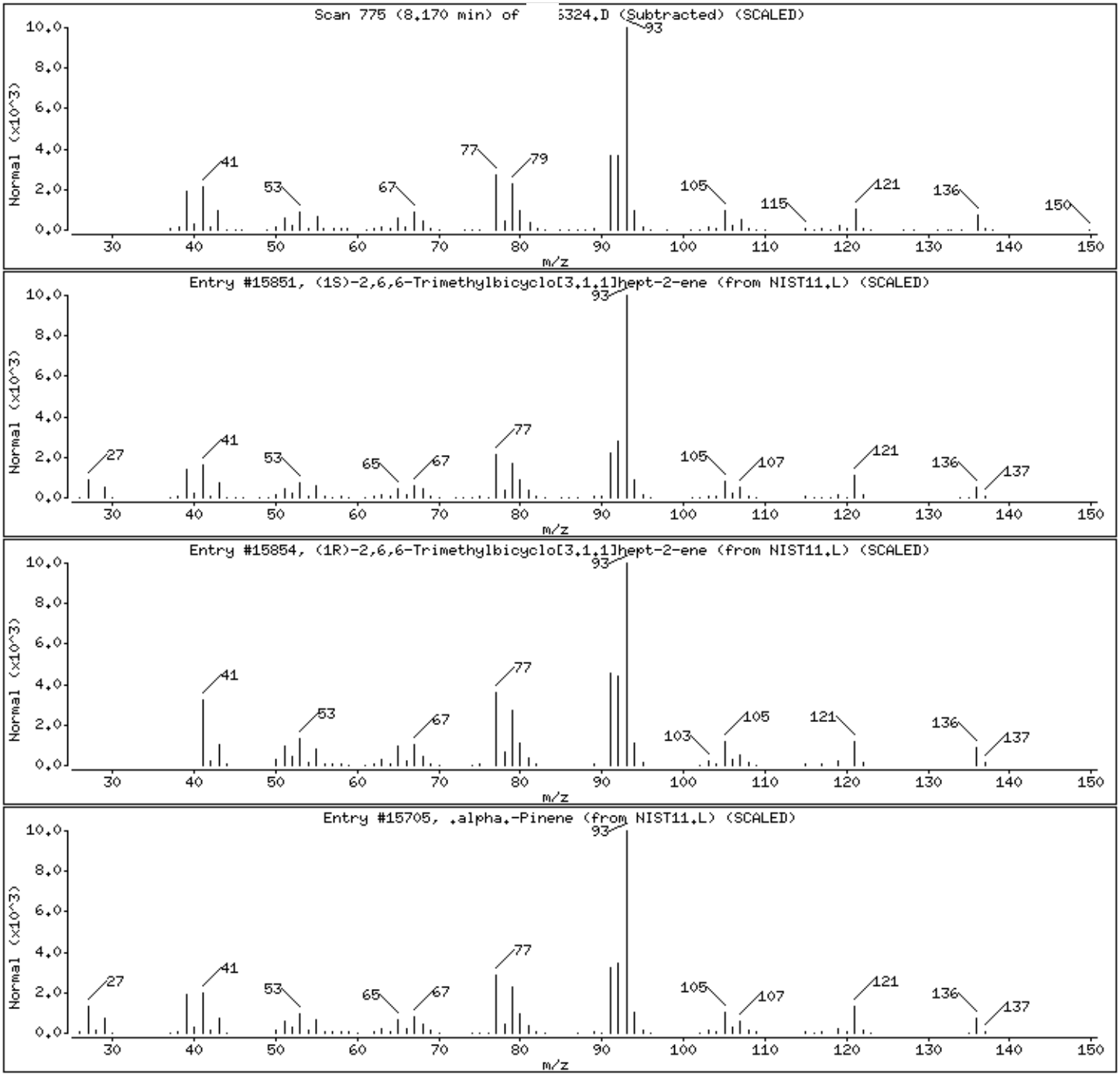
Client ID: 955 Instrument: V1.i

Sample Info: 5G, 078502,,883

Operator: SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2	7785-26-4	NIST11.L	15851	97	C10H16	136
(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2	7785-70-8	NIST11.L	15854	96	C10H16	136
.alpha.-Pinene	80-56-8	NIST11.L	15705	95	C10H16	136



Data File: \\ \organics\V1.I\150713B.B\ 6324.D

Date : 14-JUL-2015 04:53

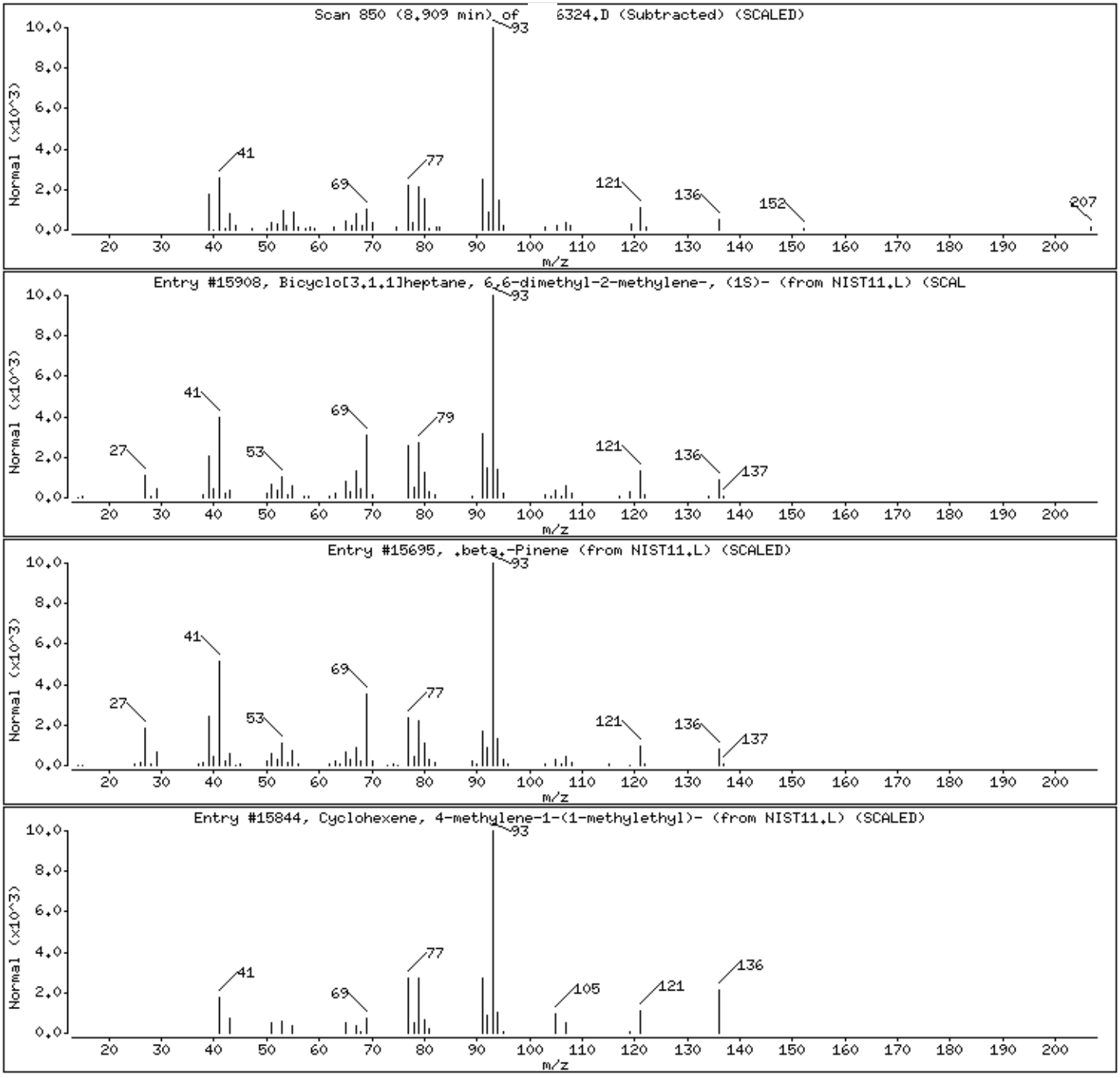
Client ID: 955 Instrument: V1.i

Sample Info: 5G, 078502,,883

Operator: SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-me	18172-67-3	NIST11.L	15908	92	C10H16	136
.beta.-Pinene	127-91-3	NIST11.L	15695	91	C10H16	136
Cyclohexene, 4-methylene-1-(1-methylethy	99-84-3	NIST11.L	15844	91	C10H16	136



Data File: \\ \organics\V1.I\150713B.B\ 6324.D

Date : 14-JUL-2015 04:53

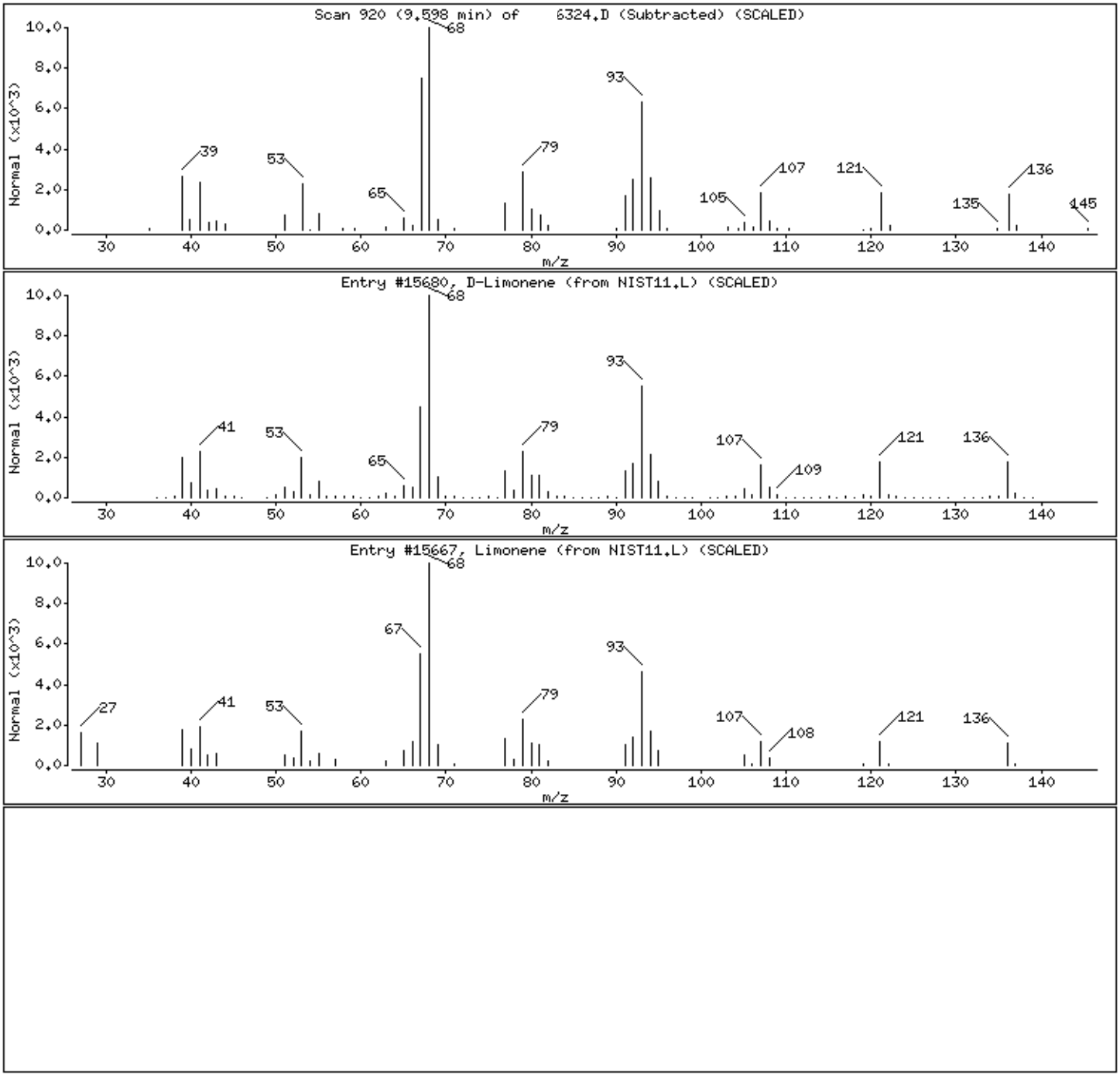
Client ID: 955 Instrument: V1.i

Sample Info: 5G, .078502,,883

Operator: SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
D-Limonene	5989-27-5	NIST11.L	15680	93	C10H16	136
Limonene	138-86-3	NIST11.L	15667	91	C10H16	136



FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
956

Lab Name:
Contract:
Lab Code : Case No.: MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 078505
Sample wt/vol: 3.10 (g/mL) g
Lab File ID: 6325.D
% Solids: 85
Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	9.4	U
74-87-3	Chloromethane	9.4	U
75-01-4	Vinyl chloride	9.4	U
74-83-9	Bromomethane	9.4	U
75-00-3	Chloroethane	9.4	U
75-69-4	Trichlorofluoromethane	9.4	U
75-35-4	1,1-Dichloroethene	9.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.4	U
67-64-1	Acetone	38	
75-15-0	Carbon disulfide	9.4	U
79-20-9	Methyl Acetate	7.5	J
75-09-2	Methylene chloride	9.4	U
156-60-5	trans-1,2-Dichloroethene	9.4	U
1634-04-4	tert-Butyl Methyl Ether	9.4	U
75-34-3	1,1-Dichloroethane	9.4	U
156-59-2	cis-1,2-Dichloroethene	9.4	U
78-93-3	2-Butanone	19	U
67-66-3	Chloroform	9.4	U
71-55-6	1,1,1-Trichloroethane	9.4	U
110-82-7	Cyclohexane	9.4	U
56-23-5	Carbon tetrachloride	9.4	U
71-43-2	Benzene	9.4	U
107-06-2	1,2-Dichloroethane	9.4	U
79-01-6	Trichloroethene	9.4	U
108-87-2	Methyl Cyclohexane	9.4	U
78-87-5	1,2-Dichloropropane	9.4	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
956

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078505
Sample wt/vol: 3.10 (g/mL) g | Lab File ID: 6325.D
% Solids: 85 | Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	9.4	U
10061-01-5	cis-1,3-Dichloropropene	9.4	U
108-10-1	4-Methyl-2-pentanone	19	U
108-88-3	Toluene	9.4	U
10061-02-6	trans-1,3-Dichloropropene	9.4	U
79-00-5	1,1,2-Trichloroethane	9.4	U
127-18-4	Tetrachloroethene	9.4	U
591-78-6	2-Hexanone	19	U
124-48-1	Dibromochloromethane	9.4	U
106-93-4	1,2-Dibromoethane(EDB)	9.4	U
108-90-7	Chlorobenzene	9.4	U
100-41-4	Ethylbenzene	9.4	U
95-47-6	o-Xylene	9.4	U
179601-23-1	m,p-Xylene	9.4	U
100-42-5	Styrene	8.5	J
75-25-2	Bromoform	9.4	U
98-82-8	Isopropylbenzene (Cumene)	9.4	U
79-34-5	1,1,2,2-Tetrachloroethane	9.4	U
541-73-1	1,3-Dichlorobenzene	9.4	U
106-46-7	1,4-Dichlorobenzene	9.4	U
95-50-1	1,2-Dichlorobenzene	9.4	U
96-12-8	1,2-Dibromo-3-chloropropane	9.4	U
120-82-1	1,2,4-Trichlorobenzene	9.4	U
74-97-5	Bromochloromethane	9.4	U
87-61-6	1,2,3-Trichlorobenzene	9.4	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
956

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078505
Sample wt/vol: 3.10 (g/mL) g | Lab File ID: 6325.D
% Solids: 85 | Date Received: 07/08/2015
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/14/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): ug/Kg | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	7785-70-8	(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-	8.164	40	NJ
02	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150713B.B\ 6325.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles

Data file : \\ \organics\V1.I\150713B.B\ 6325.D
Lab Smp Id: 078505 Client Smp ID: 956
Inj Date : 14-JUL-2015 06:12
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 078505,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	3.100	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 79	Vinyl Chloride-d3	65	1.338	1.343	(0.311)	313193	57.2974	92
$ 80	Chloroethane-d5	69	1.623	1.638	(0.377)	246791	60.7547	98
$ 81	1,1-Dichloroethene-d2	65	2.116	2.121	(0.492)	106668	47.1458	76(Q)
9	Acetone	43	2.145	2.141	(0.499)	59564	20.1133	32
11	Methyl Acetate	43	2.362	2.367	(0.549)	23070	3.99509	6.4
$ 82	2-Butanone-d5	46	3.288	3.293	(0.764)	248445	66.7831	110
$ 83	Chloroform-d	84	3.544	3.549	(0.824)	427986	53.9252	87(Q)
$ 23	1,2-Dichloroethane-d4	65	3.938	3.943	(0.915)	206325	51.0329	82
$ 84	Benzene-d6	84	3.967	3.973	(0.563)	1007220	62.5896	100
* 26	1,4-Difluorobenzene	114	4.302	4.308	(1.000)	663455	50.0000	
$ 85	1,2-Dichloropropane-d6	67	4.637	4.643	(0.658)	357435	66.2355	110(R)
$ 33	Toluene-d8	98	5.612	5.618	(0.796)	655902	57.4175	93
$ 86	trans-1,3-Dichloropropene-d4	79	5.859	5.864	(0.831)	195358	44.3215	71
$ 87	2-Hexanone-d5	63	6.272	6.278	(0.890)	106183	64.8585	100
* 42	Chlorobenzene-d5	117	7.050	7.056	(1.000)	428311	50.0000	
47	Styrene	104	7.779	7.785	(1.103)	46917	4.49785	7.3
$ 89	1,1,2,2-Tetrachloroethane-d2	84	8.479	8.484	(1.203)	208251	52.8383	85
* 78	1,4-Dichlorobenzene-d4	152	9.631	9.636	(1.000)	108535	50.0000	
$ 90	1,2-Dichlorobenzene-d4	152	10.025	10.020	(1.041)	101104	50.5689	82

Data File: \ \organics\V1.I\150713B.B\ 6325.D
Report Date: 15-Jul-2015 11:32

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\ \organics\V1.I\150713B.B\ 6325.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles
Data file : \ \organics\V1.I\150713B.B 6325.D
Lab Smp Id: 078505 Client Smp ID: 956
Inj Date : 14-JUL-2015 06:12
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : SG, 078505,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	3.100	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

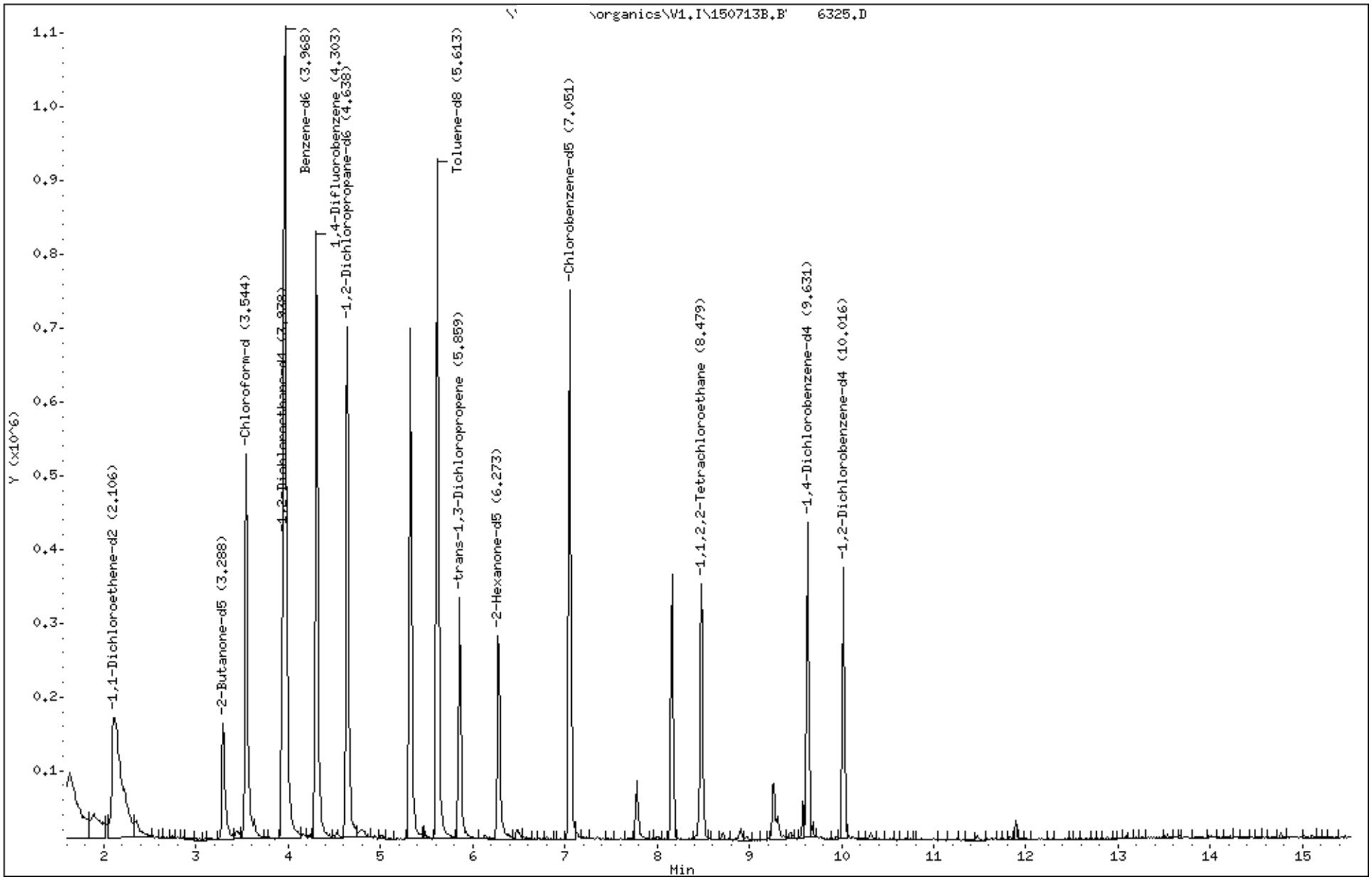
ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	7.051	1343607	50.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2					CAS #: 7785-70-8		
8.164	664154	24.7153223	40	96	NIST11.L	15854	42

Data File: \' \organics\V1.I\150713B.B\ 6325.D
Date : 14-JUL-2015 06:12
Client ID: 956
Sample Info: 5G, 078505,,883

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713B.B\ 5325.D

Date : 14-JUL-2015 06:12

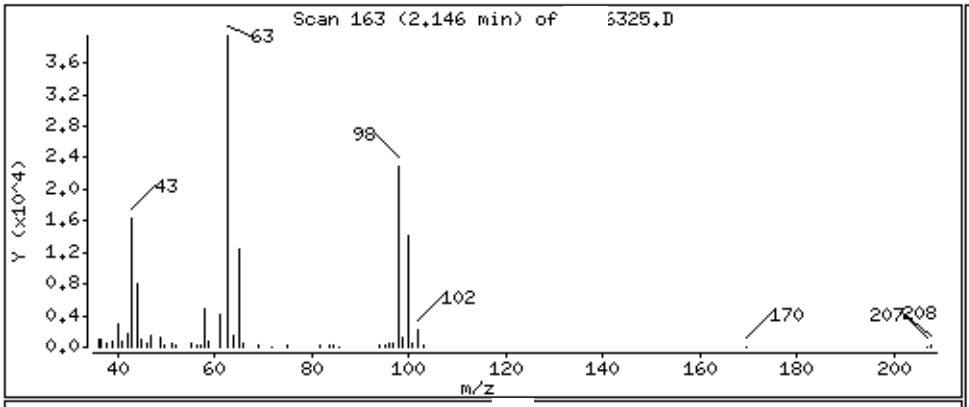
Client ID: 956 Instrument: V1.i

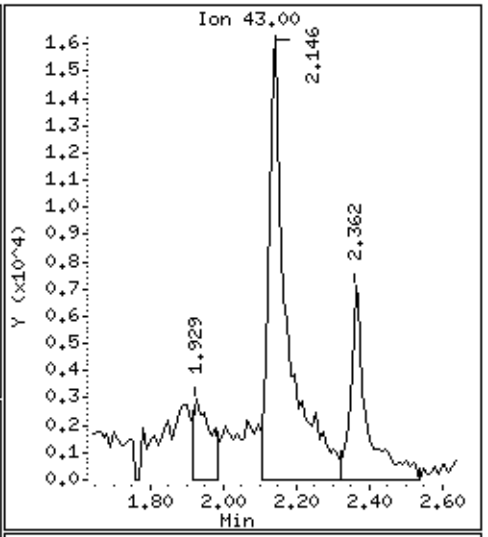
Sample Info: 5G, 078505,,883

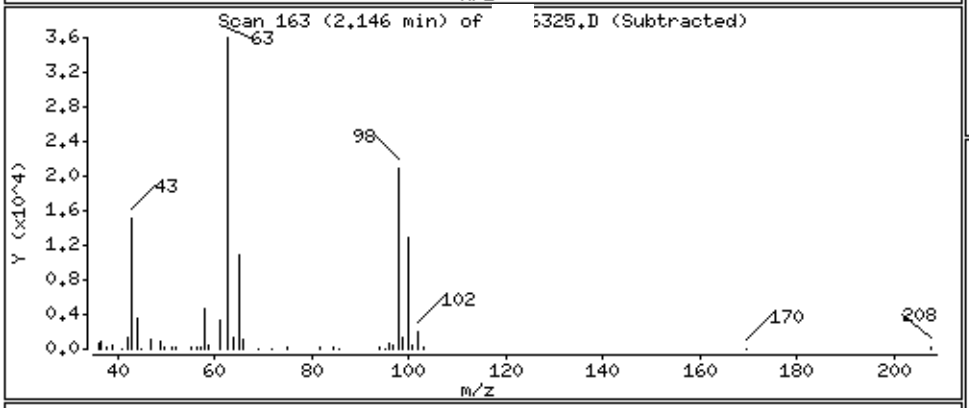
Operator: SRC: LIMS

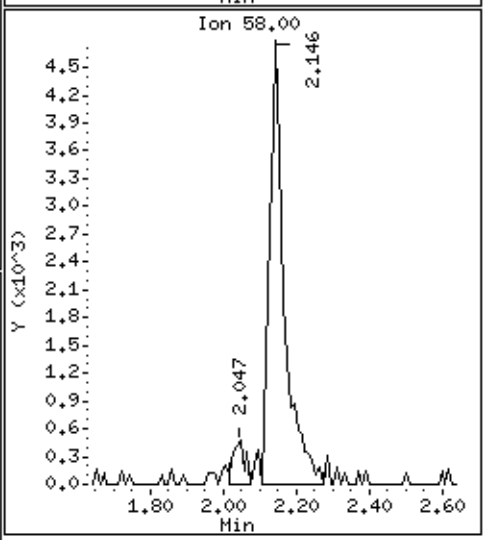
Column phase: DB-624 Column diameter: 0.25

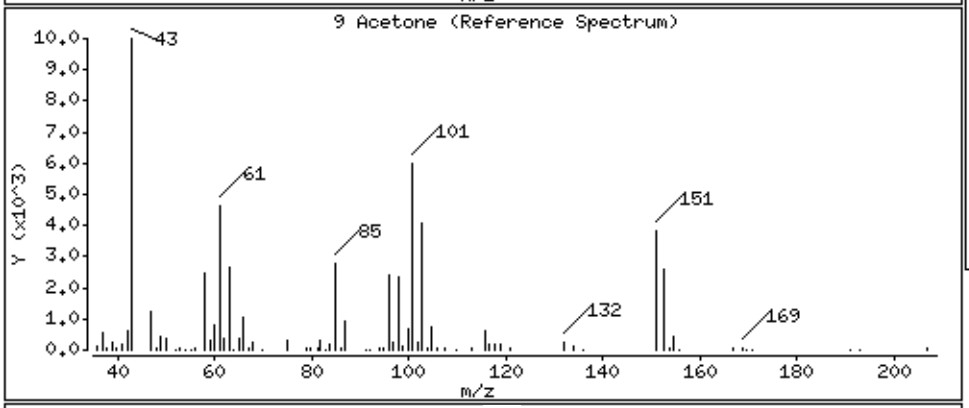
9 Acetone Concentration: 32 ug/Kg

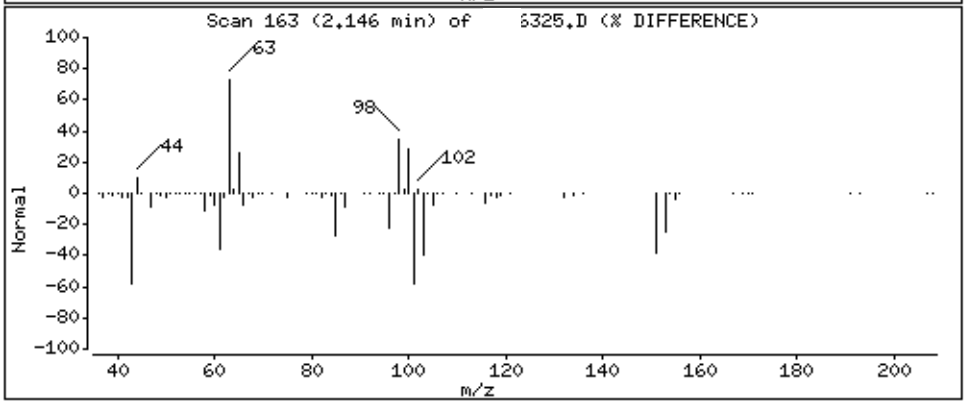












Data File: \\ \organics\V1.I\150713B.B\ 6325.D

Date : 14-JUL-2015 06:12

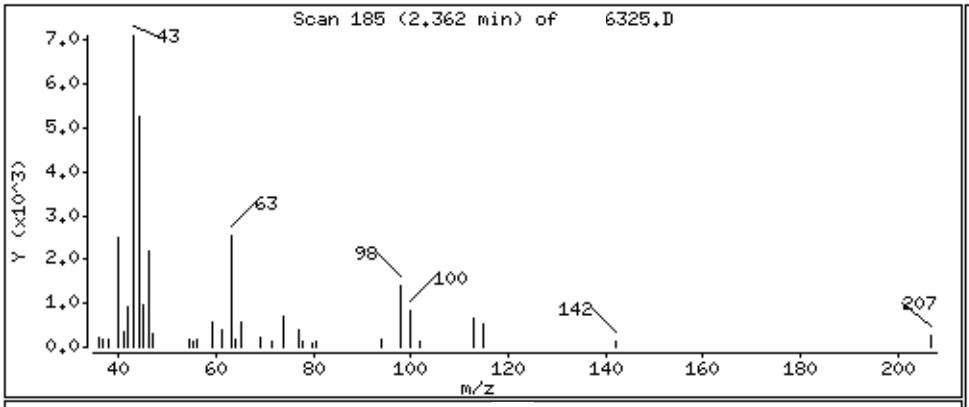
Client ID: 956 Instrument: V1.i

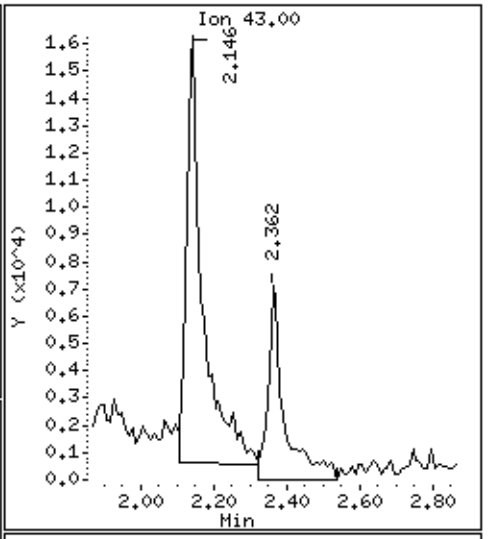
Sample Info: 5G. 078505,,883

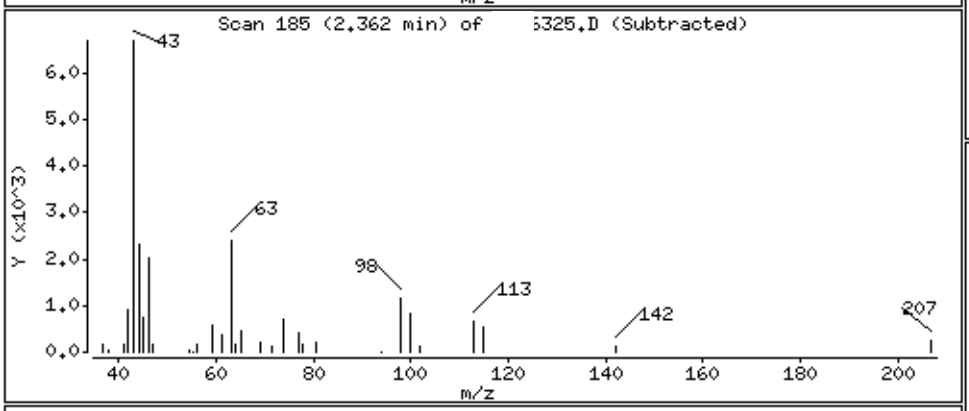
Operator: SRC: LIMS

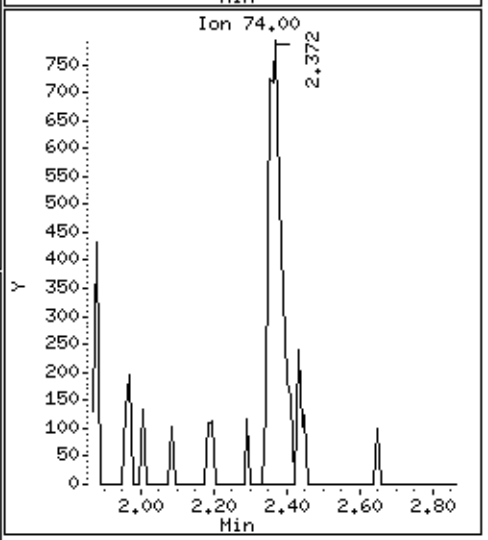
Column phase: DB-624 Column diameter: 0.25

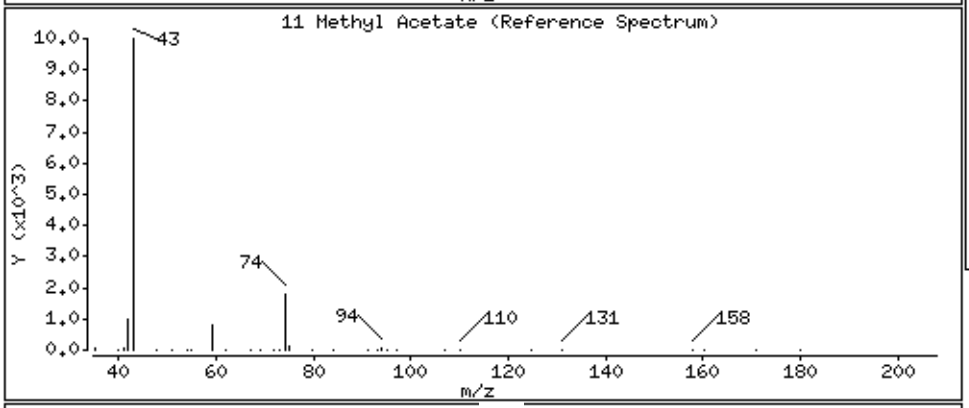
11 Methyl Acetate Concentration: 6.4 ug/Kg

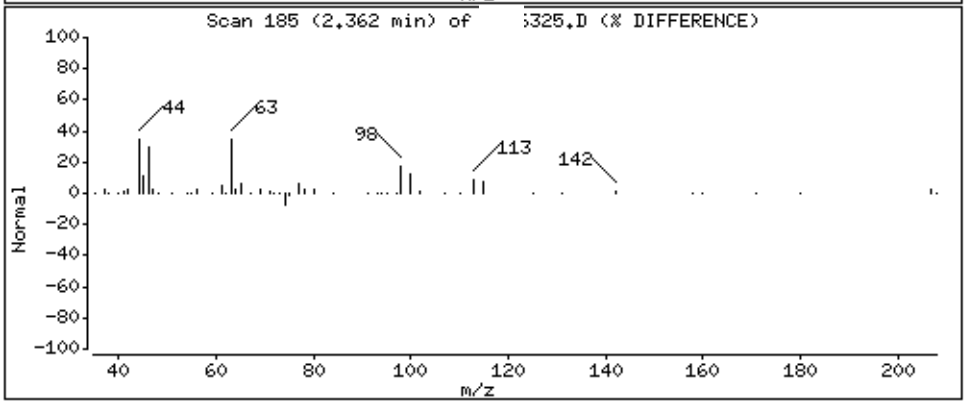












Data File: \\ \organics\V1.I\150713B.B\ 6325.D

Date : 14-JUL-2015 06:12

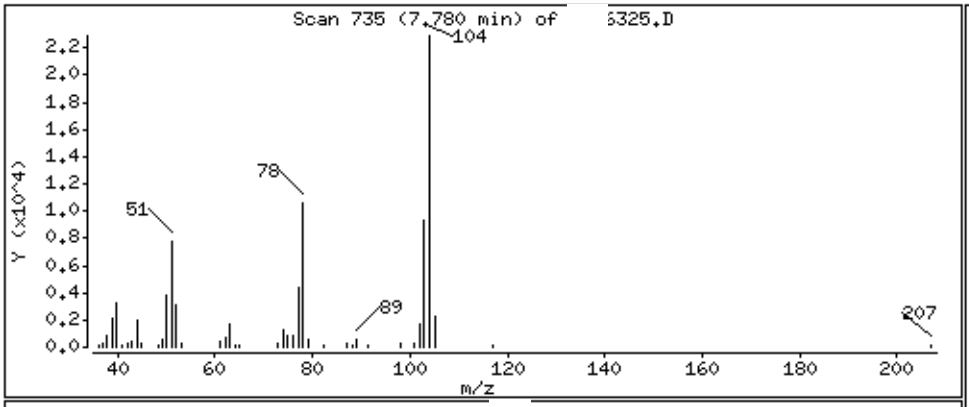
Client ID: 956 Instrument: V1.i

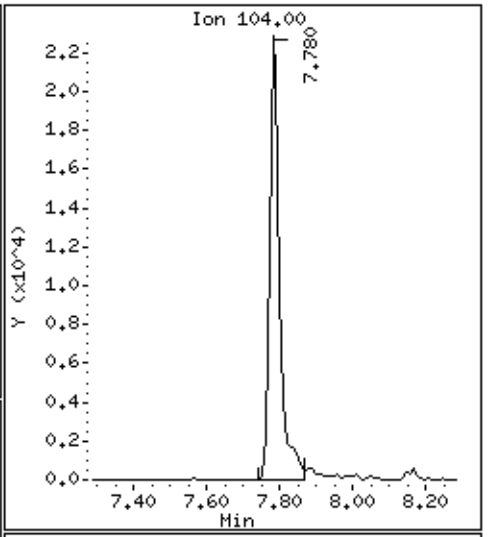
Sample Info: 5G, 078505,,883

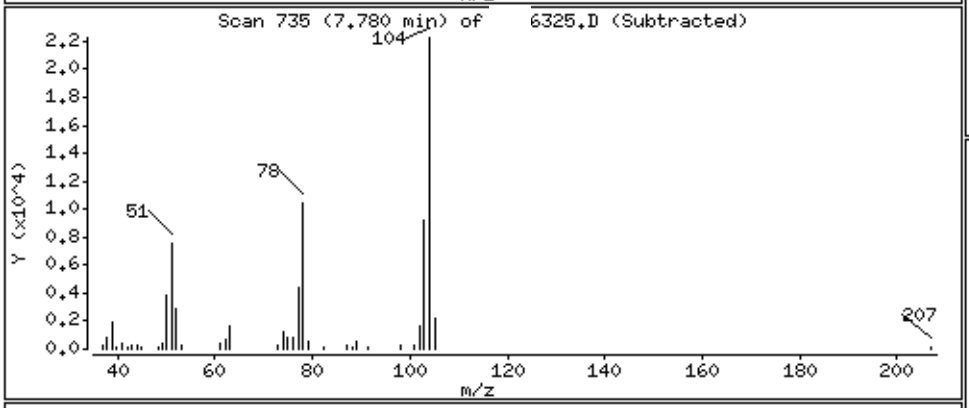
Operator: SRC: LIMS

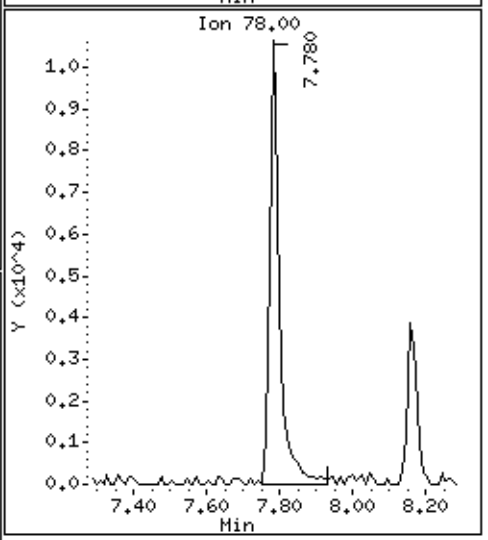
Column phase: DB-624 Column diameter: 0.25

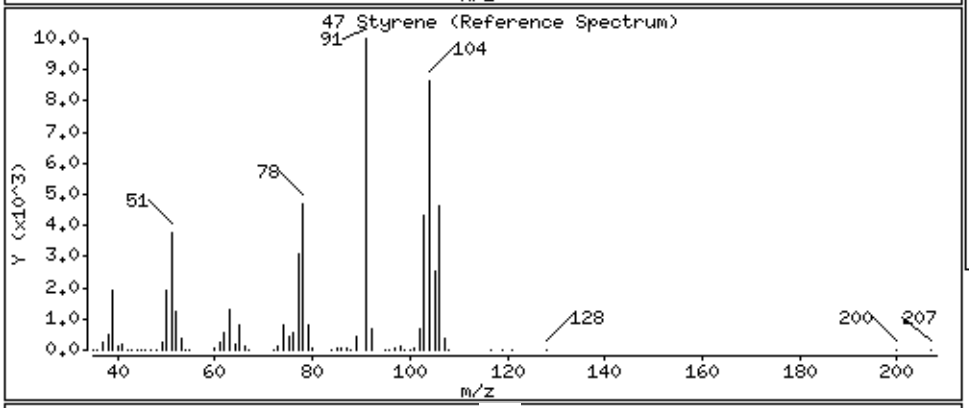
47 Styrene Concentration: 7.3 ug/Kg

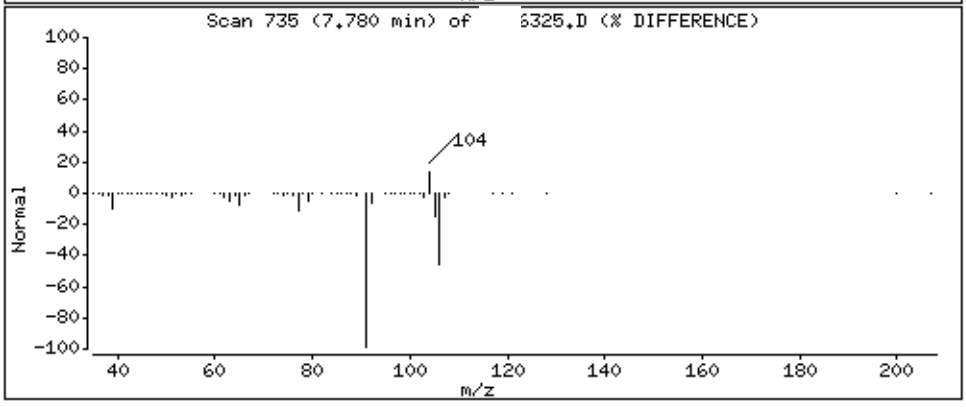












Data File: \\ \organics\V1.I\150713B.B\ 6325.D

Date : 14-JUL-2015 06:12

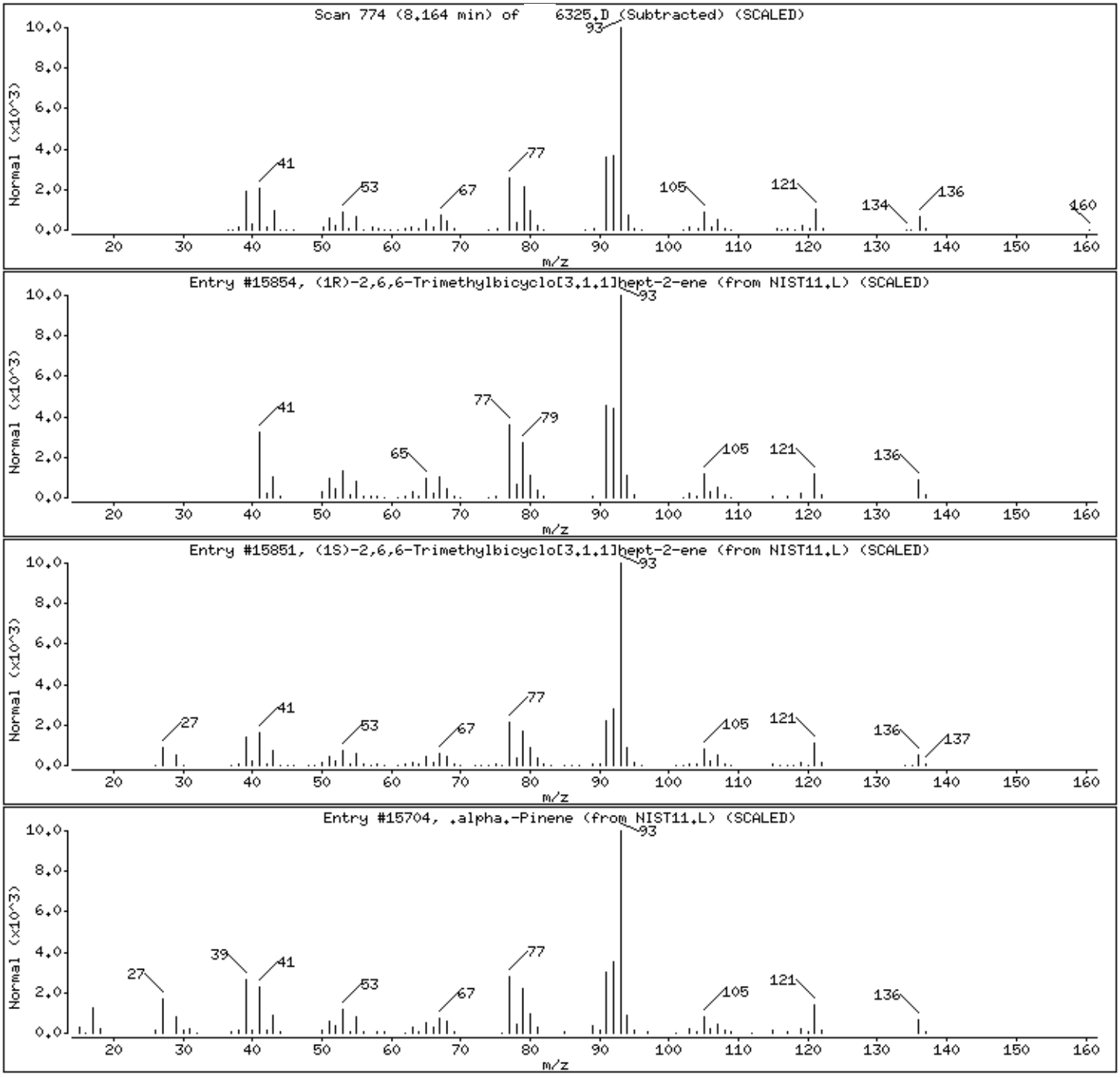
Client ID: 956 Instrument: V1.i

Sample Info: 5G, 078505,,883

Operator: SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2	7785-70-8	NIST11.L	15854	96	C10H16	136
(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2	7785-26-4	NIST11.L	15851	94	C10H16	136
.alpha.-Pinene	80-56-8	NIST11.L	15704	94	C10H16	136



FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
957

Lab Name:
Contract:
Lab Code : Case No.: MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 078506
Sample wt/vol: 5.10 (g/mL) g
Lab File ID: 6313.D
% Solids:
Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/13/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	4.9	U
74-87-3	Chloromethane	4.9	U
75-01-4	Vinyl chloride	4.9	U
74-83-9	Bromomethane	4.9	U
75-00-3	Chloroethane	4.9	U
75-69-4	Trichlorofluoromethane	4.9	U
75-35-4	1,1-Dichloroethene	4.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U
67-64-1	Acetone	5.1	J
75-15-0	Carbon disulfide	4.9	U
79-20-9	Methyl Acetate	4.9	U
75-09-2	Methylene chloride	4.9	U
156-60-5	trans-1,2-Dichloroethene	4.9	U
1634-04-4	tert-Butyl Methyl Ether	4.9	U
75-34-3	1,1-Dichloroethane	4.9	U
156-59-2	cis-1,2-Dichloroethene	4.9	U
78-93-3	2-Butanone	9.8	U
67-66-3	Chloroform	4.9	U
71-55-6	1,1,1-Trichloroethane	4.9	U
110-82-7	Cyclohexane	4.9	U
56-23-5	Carbon tetrachloride	4.9	U
71-43-2	Benzene	4.9	U
107-06-2	1,2-Dichloroethane	4.9	U
79-01-6	Trichloroethene	4.9	U
108-87-2	Methyl Cyclohexane	4.9	U
78-87-5	1,2-Dichloropropane	4.9	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
957

Lab Name:
Contract:
Lab Code : Case No.: MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 078506
Sample wt/vol: 5.10 (g/mL) g
Lab File ID: 6313.D
% Solids:
Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/13/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	4.9	U
10061-01-5	cis-1,3-Dichloropropene	4.9	U
108-10-1	4-Methyl-2-pentanone	9.8	U
108-88-3	Toluene	4.9	U
10061-02-6	trans-1,3-Dichloropropene	4.9	U
79-00-5	1,1,2-Trichloroethane	4.9	U
127-18-4	Tetrachloroethene	4.9	U
591-78-6	2-Hexanone	9.8	U
124-48-1	Dibromochloromethane	4.9	U
106-93-4	1,2-Dibromoethane(EDB)	4.9	U
108-90-7	Chlorobenzene	4.9	U
100-41-4	Ethylbenzene	4.9	U
95-47-6	o-Xylene	4.9	U
179601-23-1	m,p-Xylene	4.9	U
100-42-5	Styrene	4.9	U
75-25-2	Bromoform	4.9	U
98-82-8	Isopropylbenzene (Cumene)	4.9	U
79-34-5	1,1,2,2-Tetrachloroethane	4.9	U
541-73-1	1,3-Dichlorobenzene	4.9	U
106-46-7	1,4-Dichlorobenzene	4.9	U
95-50-1	1,2-Dichlorobenzene	4.9	U
96-12-8	1,2-Dibromo-3-chloropropane	4.9	U
120-82-1	1,2,4-Trichlorobenzene	4.9	U
74-97-5	Bromochloromethane	4.9	U
87-61-6	1,2,3-Trichlorobenzene	4.9	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
957

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078506
Sample wt/vol: 5.10 (g/mL) g | Lab File ID: 6313.D
% Solids: | Date Received: 07/08/2015
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/13/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150713A.B\ 6313.D
Report Date: 15-Jul-2015 11:31

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713A.B\ 6313.D
Lab Smp Id: 078506 Client Smp ID: 957
Inj Date : 13-JUL-2015 22:18
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 078506,,881
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713A.B\
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.100	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 79 Vinyl Chloride-d3	65	1.336	1.345	(0.311)	219679	45.6351	45
$ 80 Chloroethane-d5	69	1.632	1.621	(0.379)	169108	47.2719	46
$ 81 1,1-Dichloroethene-d2	65	2.095	2.104	(0.487)	92411	46.3789	45(Q)
9 Acetone	43	2.134	2.133	(0.496)	13477	5.16751	5.1(H)
$ 82 2-Butanone-d5	46	3.286	3.285	(0.764)	312826	95.4832	94
$ 83 Chloroform-d	84	3.542	3.542	(0.824)	322371	46.1218	45(Q)
$ 23 1,2-Dichloroethane-d4	65	3.936	3.936	(0.915)	165380	46.4482	46
$ 84 Benzene-d6	84	3.966	3.965	(0.563)	812166	45.6652	45
* 26 1,4-Difluorobenzene	114	4.301	4.300	(1.000)	584283	50.0000	
$ 85 1,2-Dichloropropane-d6	67	4.626	4.625	(0.657)	276475	46.3567	45
$ 33 Toluene-d8	98	5.611	5.610	(0.797)	585953	46.4121	46
$ 86 trans-1,3-Dichloropropene-d4	79	5.847	5.856	(0.831)	224330	46.0505	45
$ 87 2-Hexanone-d5	63	6.271	6.270	(0.891)	180636	99.8342	98(Q)
* 42 Chlorobenzene-d5	117	7.039	7.048	(1.000)	473365	50.0000	
$ 89 1,1,2,2-Tetrachloroethane-d2	84	8.477	8.476	(1.204)	215985	49.5848	49
* 78 1,4-Dichlorobenzene-d4	152	9.630	9.629	(1.000)	184733	50.0000	
$ 90 1,2-Dichlorobenzene-d4	152	10.014	10.013	(1.040)	163476	48.0390	47

Data File: \\ \organics\V1.I\150713A.B\ 6313.D
Report Date: 15-Jul-2015 11:31

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\   \organics\V1.I\150713A.B\   6313.D
Report Date: 15-Jul-2015 11:31

- Low/Med Volatiles

Data file : \   \organics\V1.I\150713A.B\   6313.D
Lab Smp Id: 078506   Client Smp ID: 957
Inj Date : 13-JUL-2015 22:18
Operator :   SRC: LIMS   Inst ID: V1.i
Smp Info : 5G,   078506,,881
Misc Info :
Comment   :
Method   : \\   \organics\V1.I\150713A.B\
Meth Date : 15-Jul-2015 10:03   Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50   Cal File: 6292.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE   Compound Sublist:
Target Version: 4.14

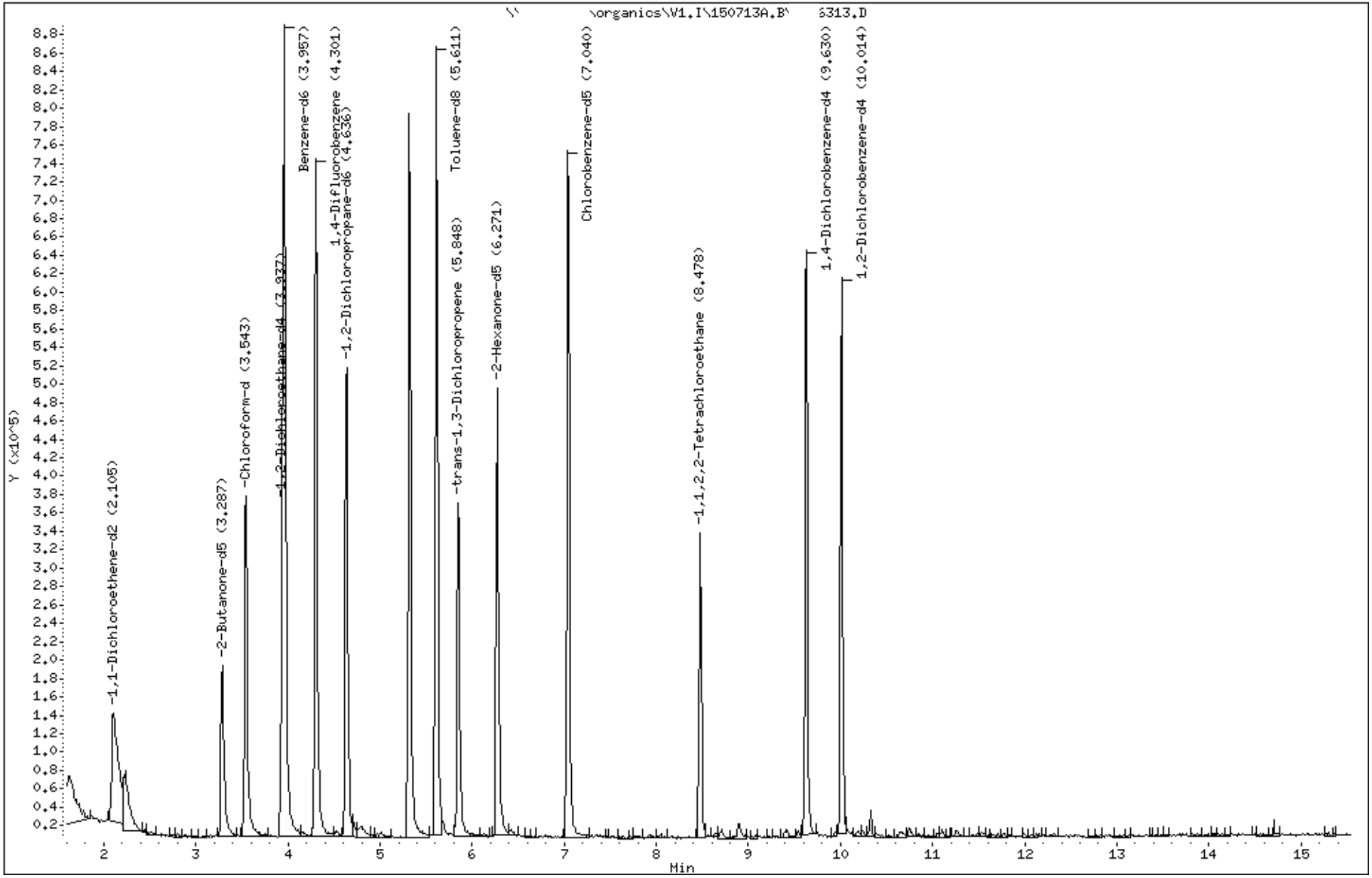
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ \organics\V1.I\150713A.B\ 6313.D
Date : 13-JUL-2015 22:18
Client ID: 957
Sample Info: 5G, 078506,,881

Instrument: V1.i

Operator: SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



Data File: \\ \organics\V1.I\150713A.B\ 5313.D

Date : 13-JUL-2015 22:18

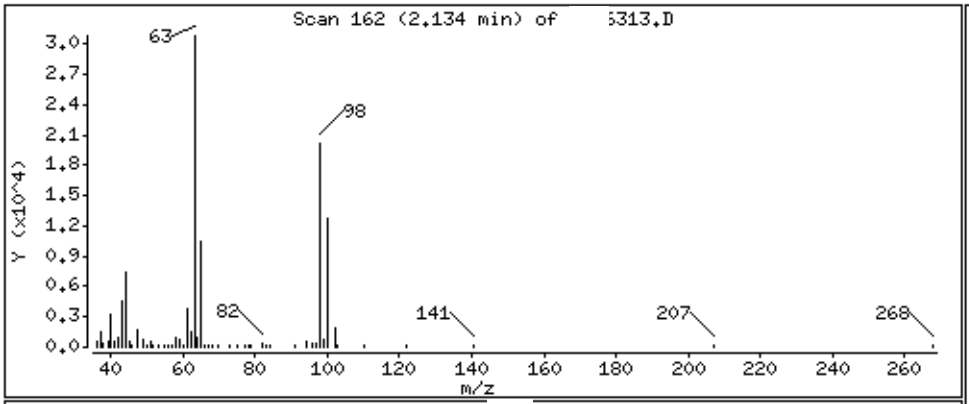
Client ID: 957 Instrument: V1.i

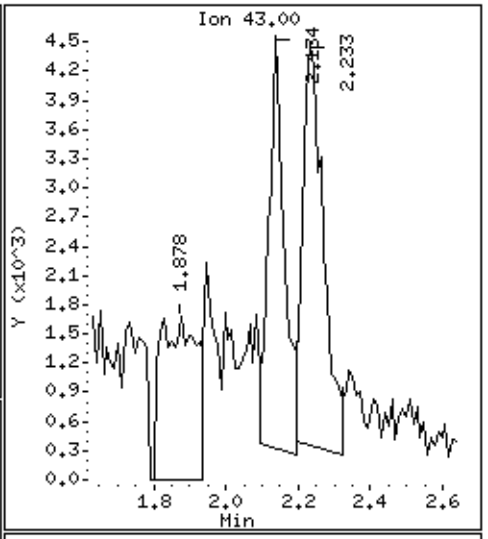
Sample Info: 5G, 078506,,881

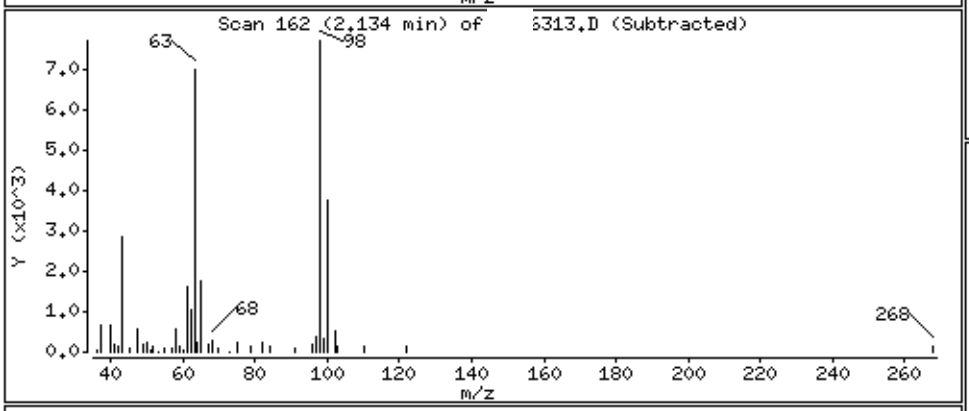
Operator: SRC: LIMS

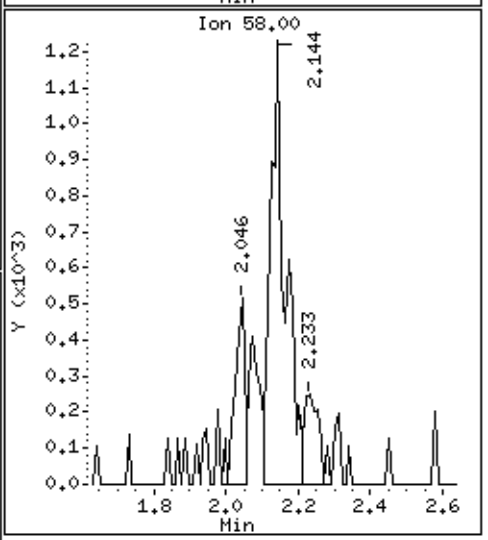
Column phase: DB-624 Column diameter: 0.25

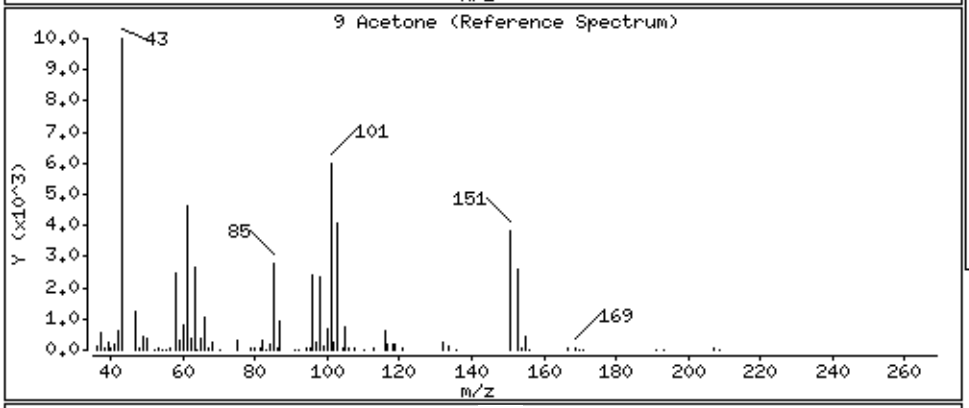
9 Acetone Concentration: 5.1 ug/Kg

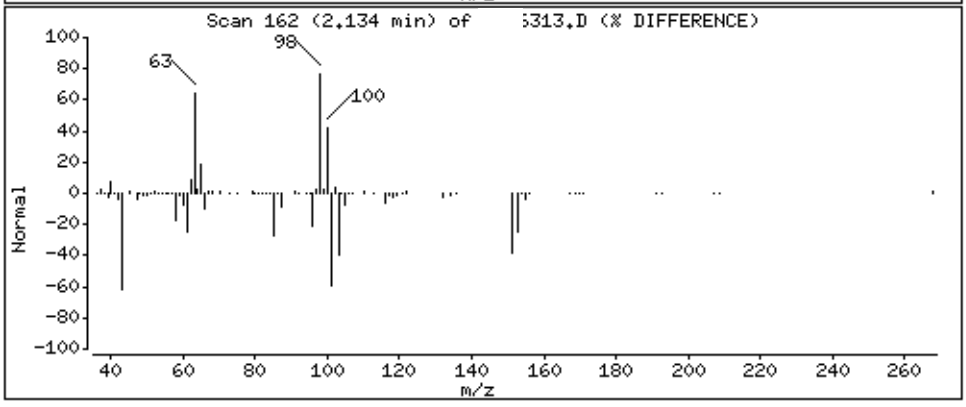












FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
958

Lab Name:
Contract:
Lab Code : Case No.: MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 078507
Sample wt/vol: 4.40 (g/mL) g
Lab File ID: 6326.D
% Solids: 35
Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	16	U
74-87-3	Chloromethane	16	U
75-01-4	Vinyl chloride	16	U
74-83-9	Bromomethane	16	U
75-00-3	Chloroethane	16	U
75-69-4	Trichlorofluoromethane	16	U
75-35-4	1,1-Dichloroethene	16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16	U
67-64-1	Acetone	110	
75-15-0	Carbon disulfide	16	U
79-20-9	Methyl Acetate	9.9	J
75-09-2	Methylene chloride	16	U
156-60-5	trans-1,2-Dichloroethene	16	U
1634-04-4	tert-Butyl Methyl Ether	16	U
75-34-3	1,1-Dichloroethane	16	U
156-59-2	cis-1,2-Dichloroethene	16	U
78-93-3	2-Butanone	39	
67-66-3	Chloroform	16	U
71-55-6	1,1,1-Trichloroethane	16	U
110-82-7	Cyclohexane	16	U
56-23-5	Carbon tetrachloride	16	U
71-43-2	Benzene	16	U
107-06-2	1,2-Dichloroethane	16	U
79-01-6	Trichloroethene	16	U
108-87-2	Methyl Cyclohexane	16	U
78-87-5	1,2-Dichloropropane	16	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
958

Lab Name:
Contract:
Lab Code : Case No.: MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 078507
Sample wt/vol: 4.40 (g/mL) g
Lab File ID: 6326.D
% Solids: 35
Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
108-10-1	4-Methyl-2-pentanone	33	U
108-88-3	Toluene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
79-00-5	1,1,2-Trichloroethane	16	U
127-18-4	Tetrachloroethene	16	U
591-78-6	2-Hexanone	33	U
124-48-1	Dibromochloromethane	16	U
106-93-4	1,2-Dibromoethane(EDB)	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
95-47-6	o-Xylene	16	U
179601-23-1	m,p-Xylene	16	U
100-42-5	Styrene	16	U
75-25-2	Bromoform	16	U
98-82-8	Isopropylbenzene (Cumene)	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
541-73-1	1,3-Dichlorobenzene	16	U
106-46-7	1,4-Dichlorobenzene	16	U
95-50-1	1,2-Dichlorobenzene	16	U
96-12-8	1,2-Dibromo-3-chloropropane	16	U
120-82-1	1,2,4-Trichlorobenzene	16	U
74-97-5	Bromochloromethane	16	U
87-61-6	1,2,3-Trichlorobenzene	16	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
958

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078507
Sample wt/vol: 4.40 (g/mL) g | Lab File ID: 6326.D
% Solids: 35 | Date Received: 07/08/2015
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/14/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150713B.B\ 6326.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713B.B 6326.D
Lab Smp Id: 078507 Client Smp ID: 958
Inj Date : 14-JUL-2015 06:39
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 078507,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.400	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$	79 Vinyl Chloride-d3	65	1.347	1.343	(0.313)	369453	57.0145	65
$	80 Chloroethane-d5	69	1.623	1.638	(0.377)	301717	62.6548	71
$	81 1,1-Dichloroethene-d2	65	2.106	2.121	(0.489)	135435	50.4945	57(Q)
	9 Acetone	43	2.135	2.141	(0.496)	115429	32.8790	37
	11 Methyl Acetate	43	2.362	2.367	(0.549)	20684	3.02147	3.4
$	82 2-Butanone-d5	46	3.288	3.293	(0.764)	176245	39.9629	45
	16 2-Butanone	43	3.327	3.333	(0.773)	60289	11.8442	13
$	83 Chloroform-d	84	3.544	3.549	(0.824)	487207	51.7821	59(Q)
$	23 1,2-Dichloroethane-d4	65	3.938	3.943	(0.915)	222899	46.5061	53
$	84 Benzene-d6	84	3.967	3.973	(0.563)	1170717	61.5880	70
*	26 1,4-Difluorobenzene	114	4.302	4.308	(1.000)	786516	50.0000	
$	85 1,2-Dichloropropane-d6	67	4.637	4.643	(0.658)	402195	63.0952	72(R)
$	33 Toluene-d8	98	5.622	5.618	(0.797)	746097	55.2926	63
$	86 trans-1,3-Dichloropropene-d4	79	5.858	5.864	(0.831)	218661	41.9973	48
$	87 2-Hexanone-d5	63	6.282	6.278	(0.891)	103316	53.4252	61
*	42 Chlorobenzene-d5	117	7.050	7.056	(1.000)	505933	50.0000	
$	89 1,1,2,2-Tetrachloroethane-d2	84	8.488	8.484	(1.204)	189479	40.6995	46
*	78 1,4-Dichlorobenzene-d4	152	9.631	9.636	(1.000)	134359	50.0000	
$	90 1,2-Dichlorobenzene-d4	152	10.015	10.020	(1.040)	119335	48.2154	55(Q)

Data File: \\ \organics\V1.I\150713B.B\ 6326.D
Report Date: 15-Jul-2015 11:32

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\ \organics\V1.I\150713B.B\ 6326.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles

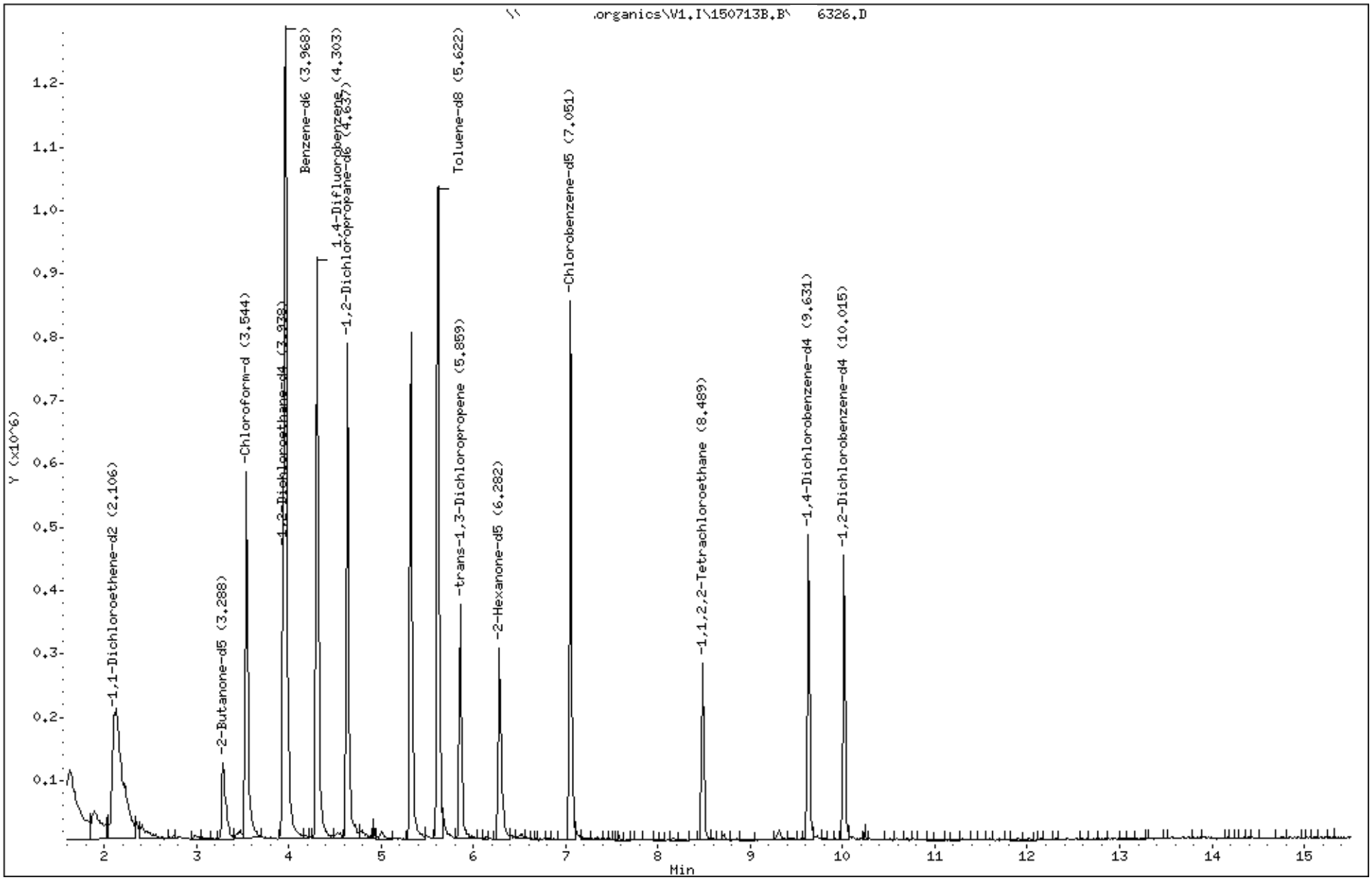
Data file : \\ \organics\V1.I\150713B.B\ 6326.D
Lab Smp Id: 078507 Client Smp ID: 958
Inj Date : 14-JUL-2015 06:39
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 078507,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ .organics\V1.I\150713B.B\ 6326.D
Date : 14-JUL-2015 06:39
Client ID: 958
Sample Info: 5G, .078507,,883

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713B.B\ 6326.D

Date : 14-JUL-2015 06:39

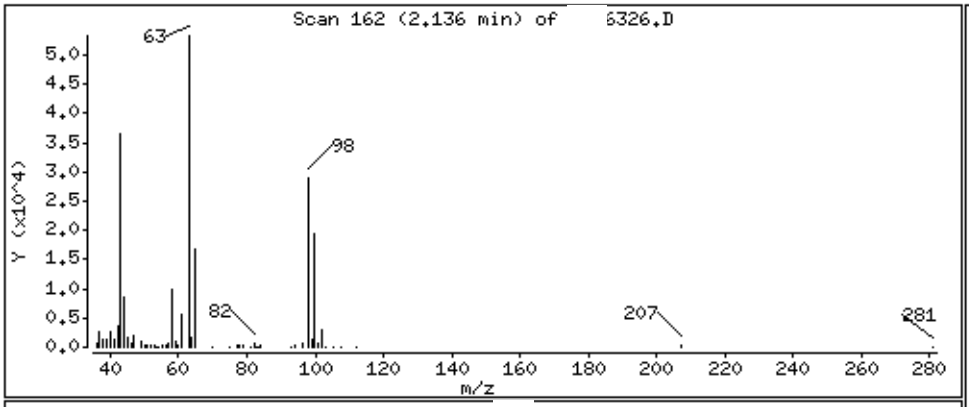
Client ID: 358 Instrument: V1.i

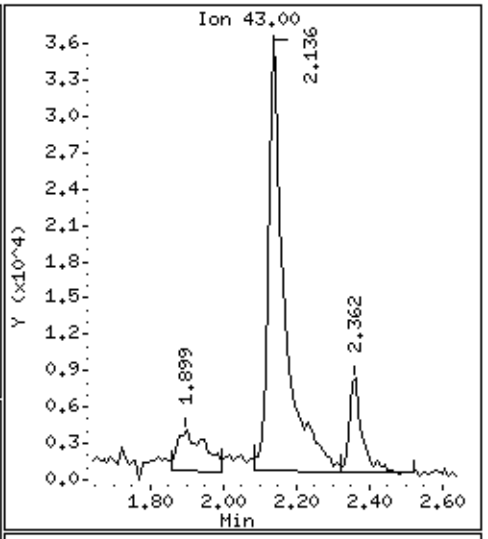
Sample Info: 5G, 078507,,883

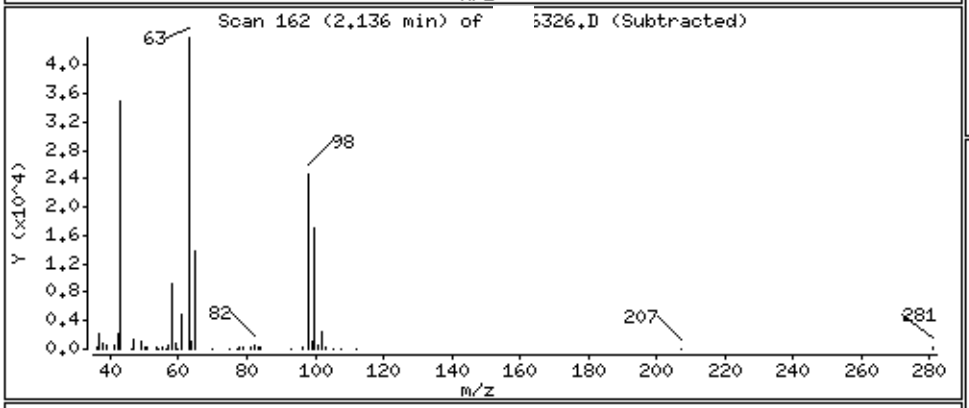
Operator: SRC: LIMS

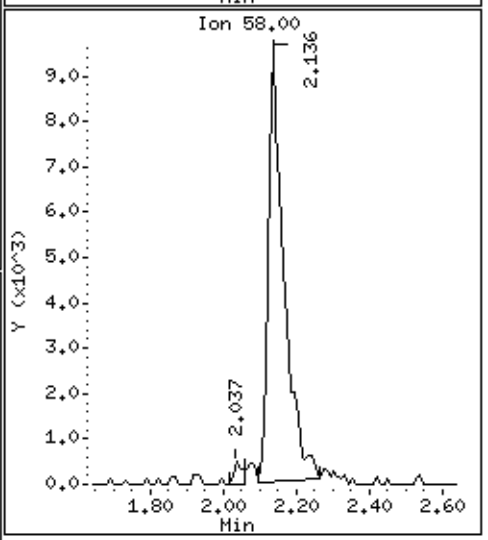
Column phase: DB-624 Column diameter: 0.25

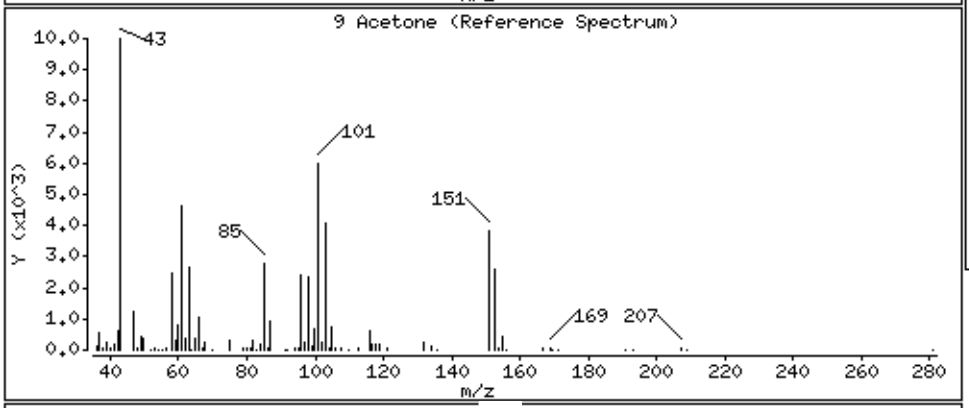
9 Acetone Concentration: 37 ug/Kg

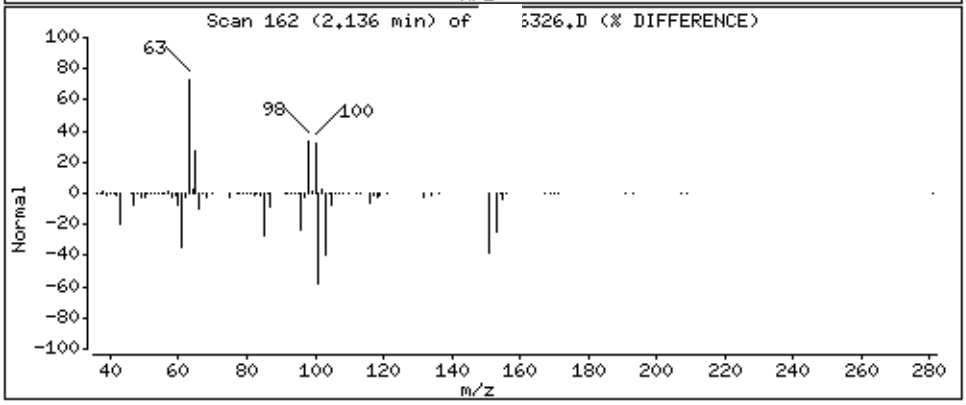












Data File: \\ \organics\V1.I\150713B.B\ 6326.D

Date : 14-JUL-2015 06:39

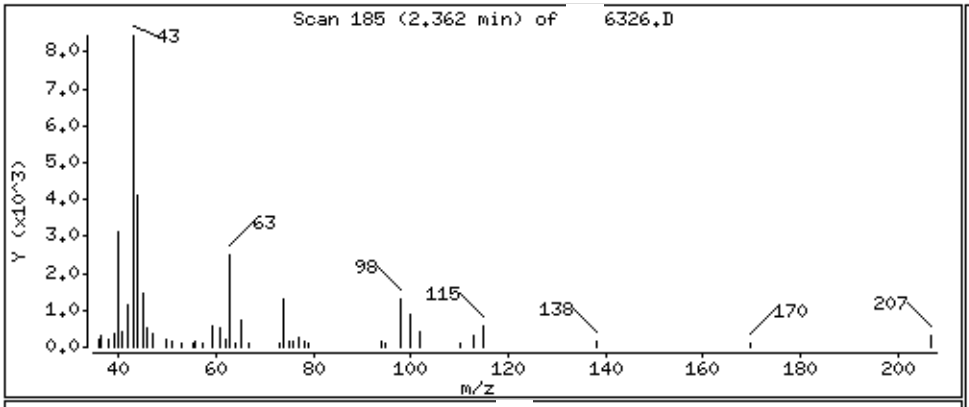
Client ID: 358 Instrument: V1.i

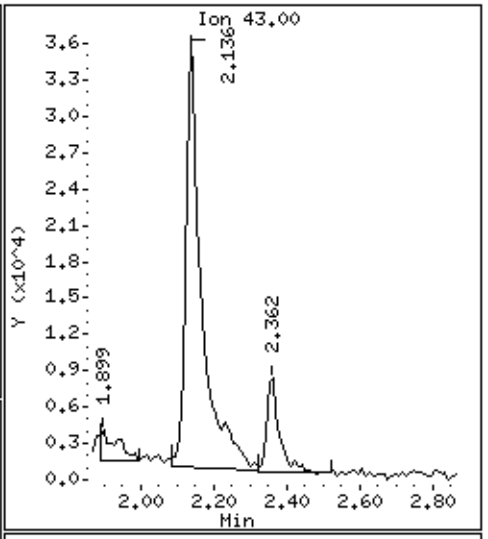
Sample Info: 5G, 078507,,883

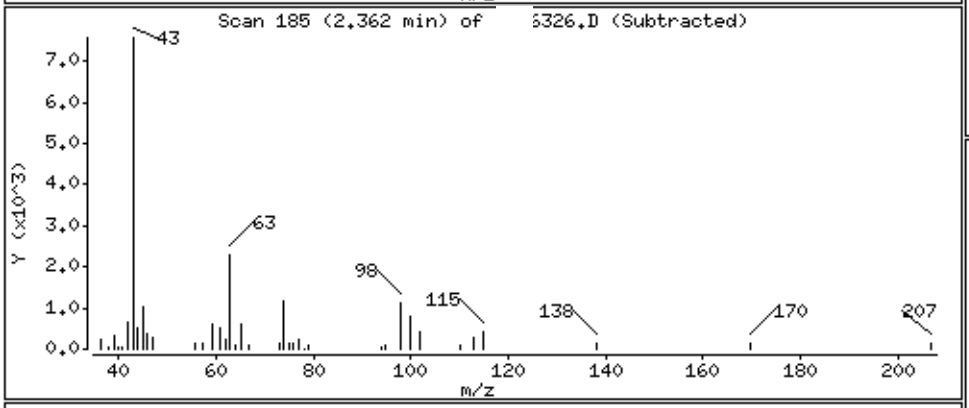
Operator: SRC: LIMS

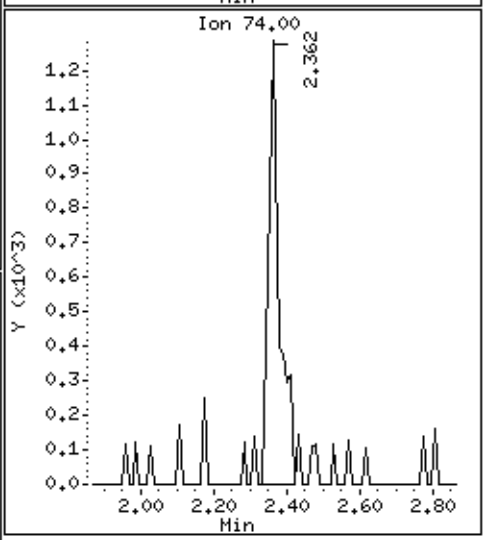
Column phase: DB-624 Column diameter: 0.25

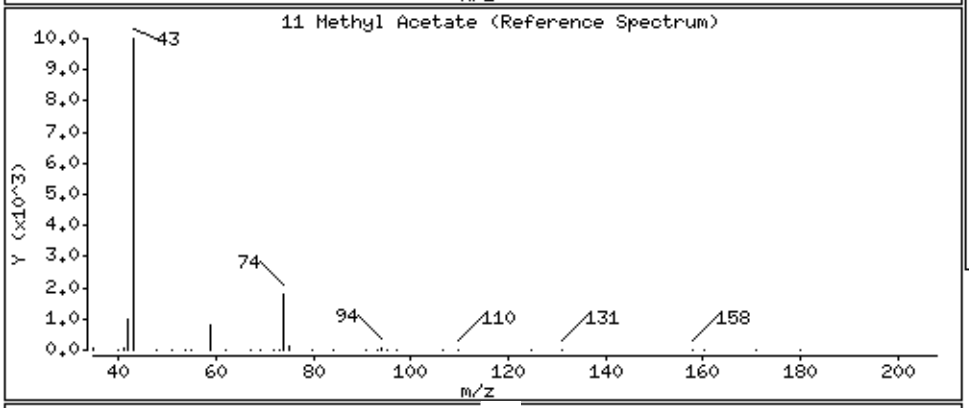
11 Methyl Acetate Concentration: 3.4 ug/Kg

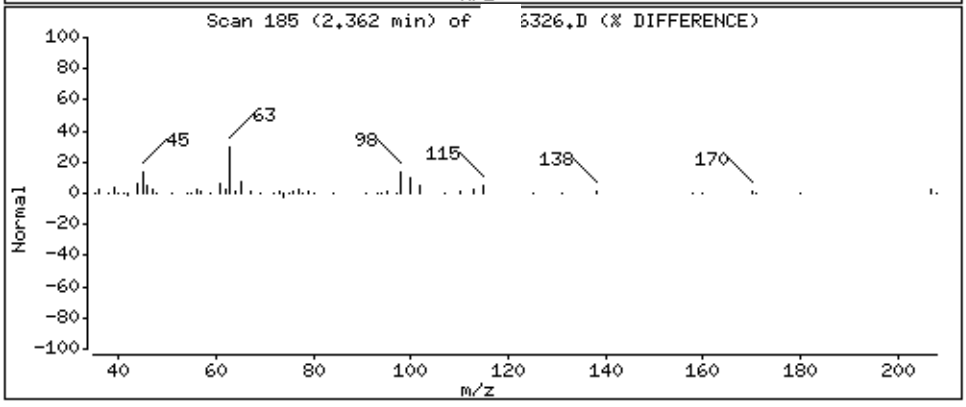












Data File: \\ \organics\V1.I\150713B.B\ 6326.D

Date : 14-JUL-2015 06:39

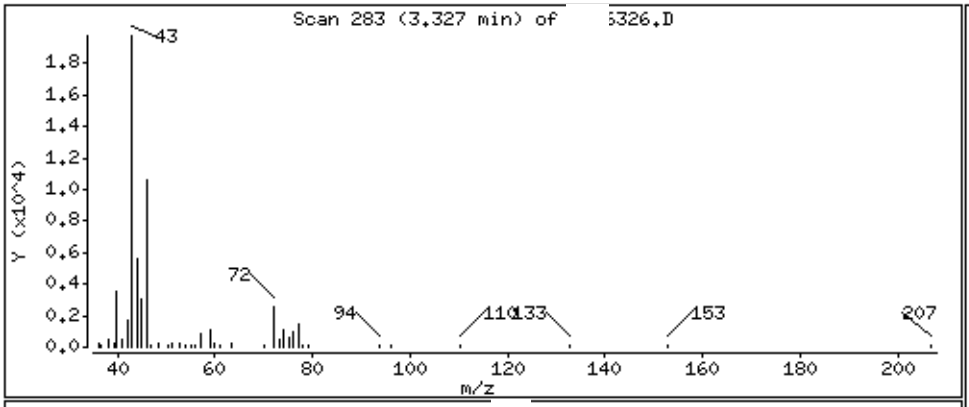
Client ID: 958 Instrument: V1.i

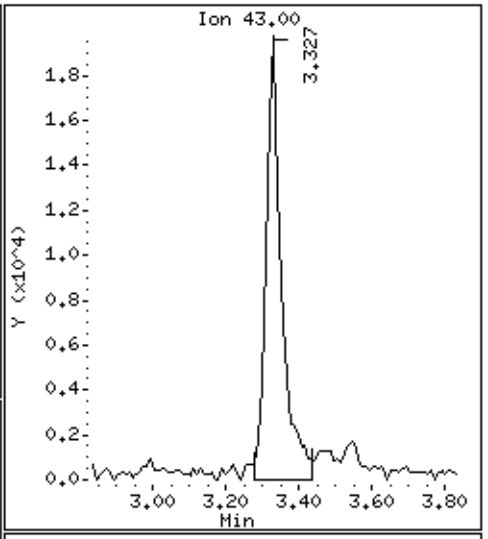
Sample Info: 5G, 078507,,883

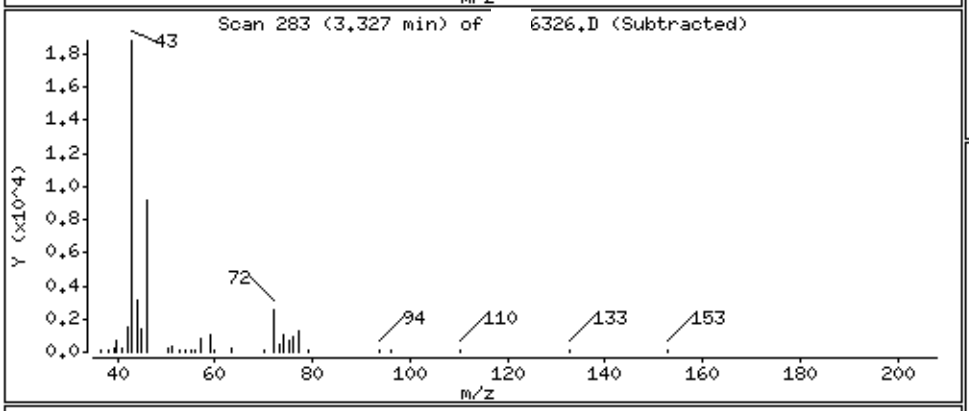
Operator: SRC: LIMS

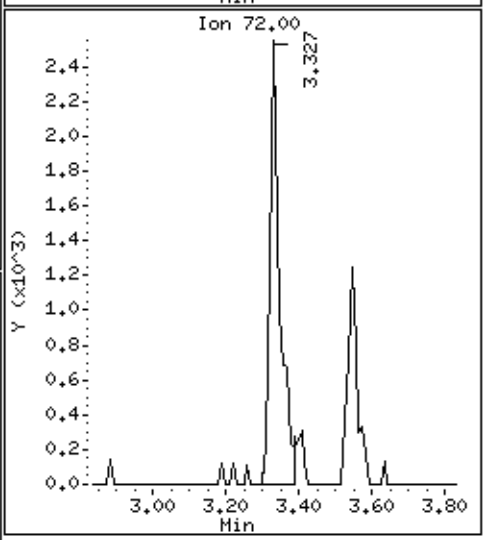
Column phase: DB-624 Column diameter: 0.25

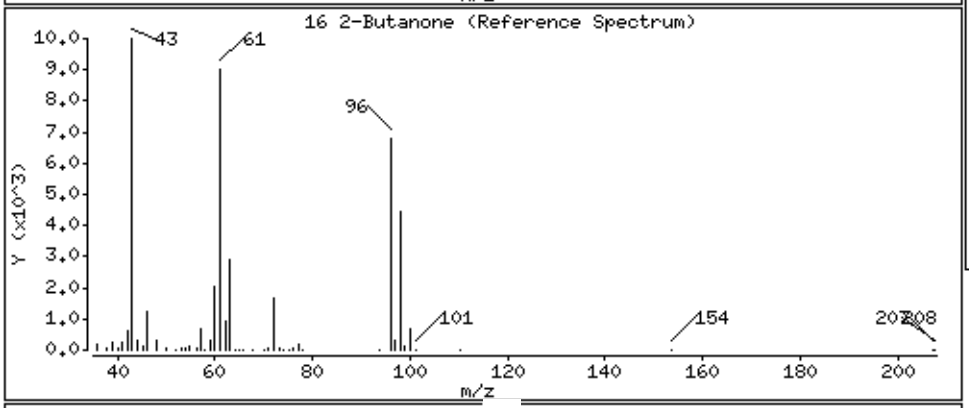
16 2-Butanone Concentration: 13 ug/Kg

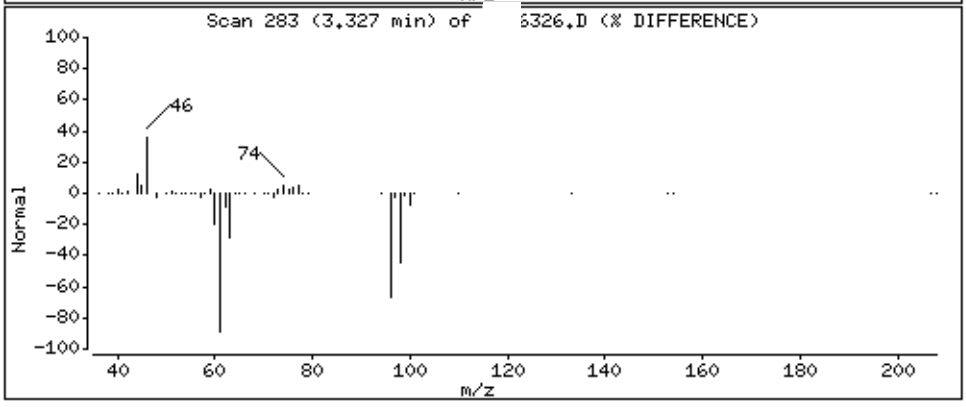












FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
959

Lab Name:
Contract:
Lab Code : Case No.: MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 078508
Sample wt/vol: 8.40 (g/mL) g
Lab File ID: 6327.D
% Solids: 22
Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	78	
75-15-0	Carbon disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	tert-Butyl Methyl Ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	28	
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U
79-01-6	Trichloroethene	13	U
108-87-2	Methyl Cyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
959

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078508
Sample wt/vol: 8.40 (g/mL) g | Lab File ID: 6327.D
% Solids: 22 | Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	27	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	27	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane(EDB)	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
95-47-6	o-Xylene	13	U
179601-23-1	m,p-Xylene	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene (Cumene)	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U
74-97-5	Bromochloromethane	13	U
87-61-6	1,2,3-Trichlorobenzene	13	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
959

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078508
Sample wt/vol: 8.40 (g/mL) g | Lab File ID: 6327.D
% Solids: 22 | Date Received: 07/08/2015
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/14/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): ug/Kg | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	E966796[2]	Total Alkanes		7.0	J

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150713B.B\ 6327.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713B.B\ 6327.D
Lab Smp Id: 078508 Client Smp ID: 959
Inj Date : 14-JUL-2015 07:05
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 078508,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	8.400	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 79 Vinyl Chloride-d3	65	1.338	1.343	(0.311)	235561	55.5008	33
$ 80 Chloroethane-d5	69	1.623	1.638	(0.377)	180440	57.2080	34
$ 81 1,1-Dichloroethene-d2	65	2.106	2.121	(0.490)	93556	53.2542	32(Q)
9 Acetone	43	2.135	2.141	(0.496)	66754	29.0302	17
$ 82 2-Butanone-d5	46	3.288	3.293	(0.764)	235564	81.5490	49
16 2-Butanone	43	3.327	3.333	(0.773)	34532	10.3576	6.2
$ 83 Chloroform-d	84	3.544	3.549	(0.824)	326707	53.0144	32(Q)
$ 23 1,2-Dichloroethane-d4	65	3.938	3.943	(0.915)	167102	53.2296	32
$ 84 Benzene-d6	84	3.967	3.973	(0.563)	767114	57.5369	34
* 26 1,4-Difluorobenzene	114	4.302	4.308	(1.000)	515155	50.0000	
$ 85 1,2-Dichloropropane-d6	67	4.637	4.643	(0.658)	272649	60.9826	36(R)
$ 33 Toluene-d8	98	5.612	5.618	(0.796)	502693	53.1149	32
34 Toluene	91	5.681	5.687	(0.806)	23525	1.72575	1.0
$ 86 trans-1,3-Dichloropropene-d4	79	5.858	5.864	(0.831)	175907	48.1698	29
$ 87 2-Hexanone-d5	63	6.272	6.278	(0.890)	130878	96.4910	57
* 42 Chlorobenzene-d5	117	7.050	7.056	(1.000)	354855	50.0000	
$ 89 1,1,2,2-Tetrachloroethane-d2	84	8.478	8.484	(1.203)	170301	52.1540	31
* 78 1,4-Dichlorobenzene-d4	152	9.631	9.636	(1.000)	101575	50.0000	
$ 90 1,2-Dichlorobenzene-d4	152	10.015	10.020	(1.040)	88488	47.2914	28

Data File: \\ \organics\V1.I\150713B.B\ 6327.D
Report Date: 15-Jul-2015 11:32

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\ \organics\V1.I\150713B.B\ 6327.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713B.B\ 6327.D
Lab Smp Id: 078508 Client Smp ID: 959
Inj Date : 14-JUL-2015 07:05
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G 078508,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	8.400	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

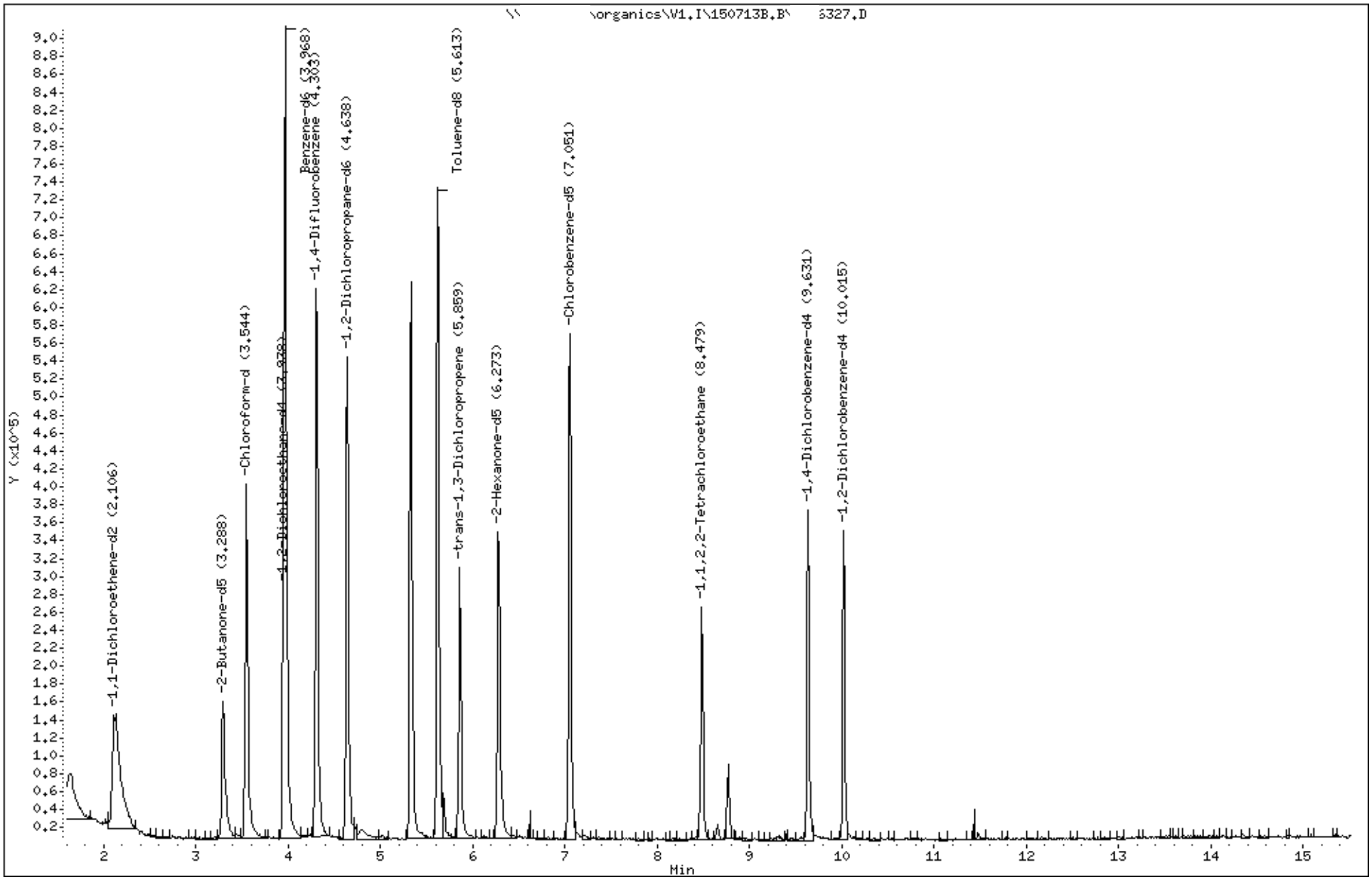
ISTD	RT	AREA	AMOUNT
* 78 1,4-Dichlorobenzene-d4	9.631	637418	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Cyclic Alkane					CAS #:		
8.765	150483	11.8041300	7.0	0	0		78

Data File: \\ \organics\V1.I\150713B.B\ 6327.D
Date : 14-JUL-2015 07:05
Client ID: 959
Sample Info: 5G, 078508,,883

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713B.B\ 6327.D

Date : 14-JUL-2015 07:05

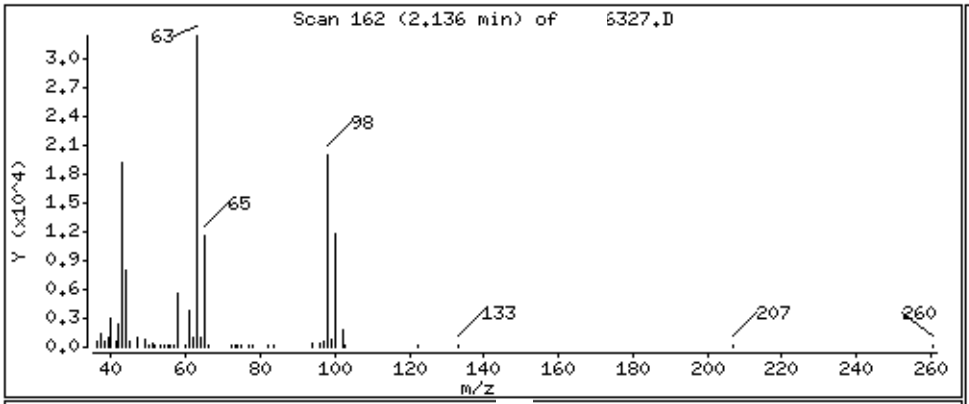
Client ID: 959 Instrument: V1.i

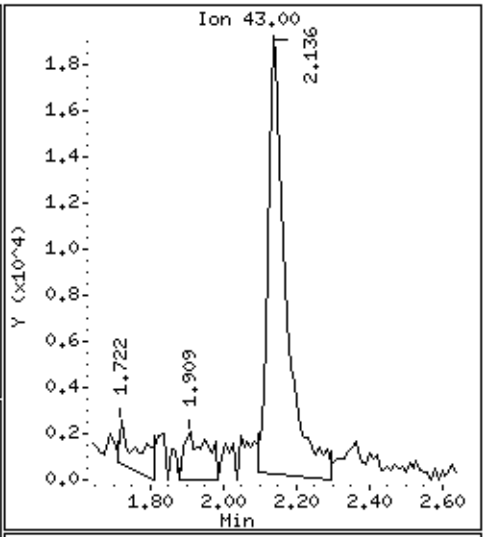
Sample Info: 5G, 078508,,883

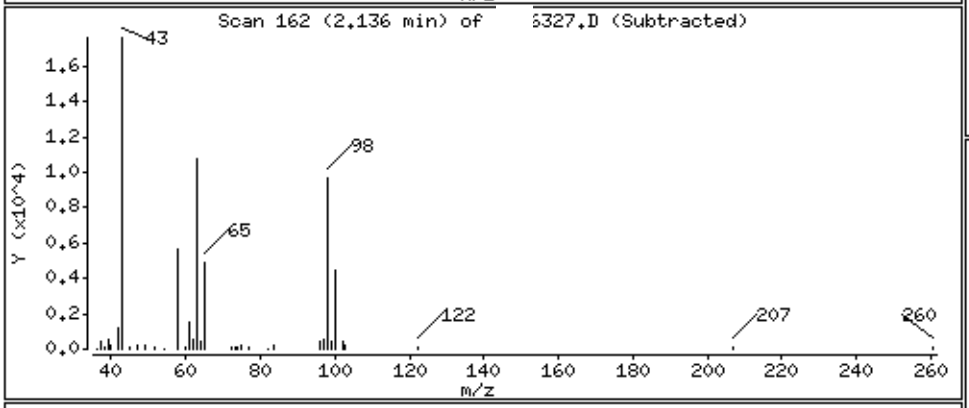
Operator: SRC: LIMS

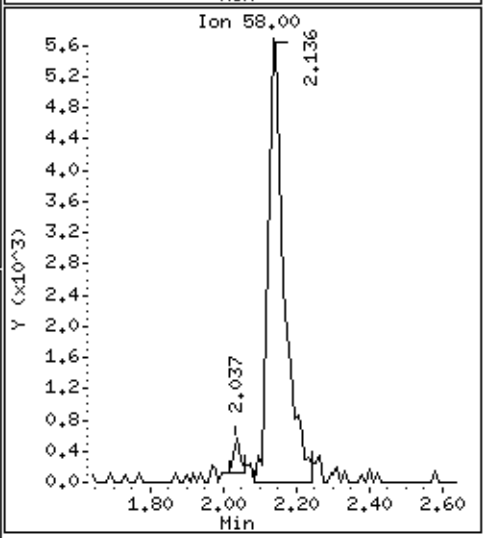
Column phase: DB-624 Column diameter: 0.25

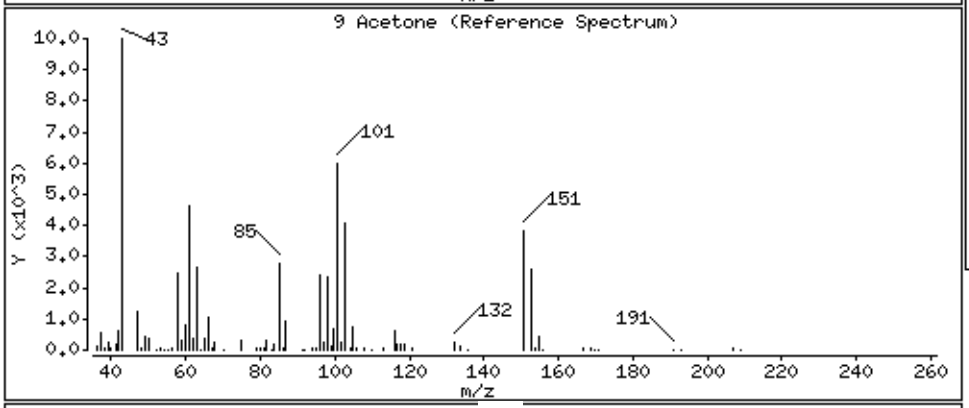
9 Acetone Concentration: 17 ug/Kg

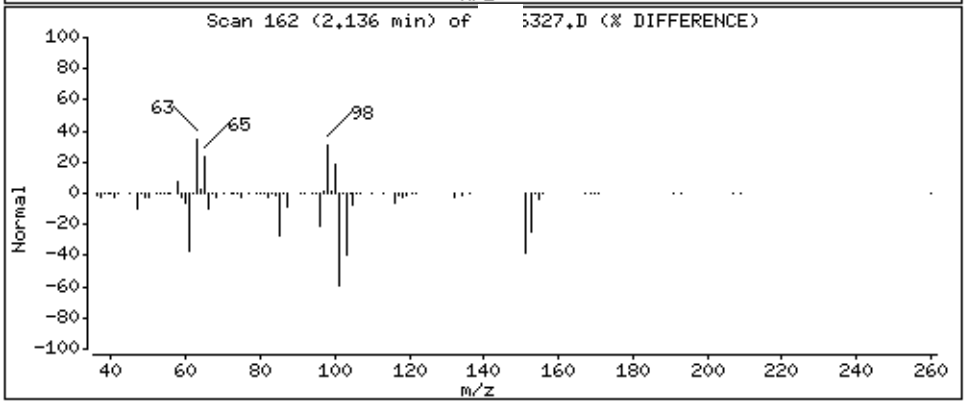












Data File: \\. \organics\V1.I\150713B.B\ 6327.D

Date : 14-JUL-2015 07:05

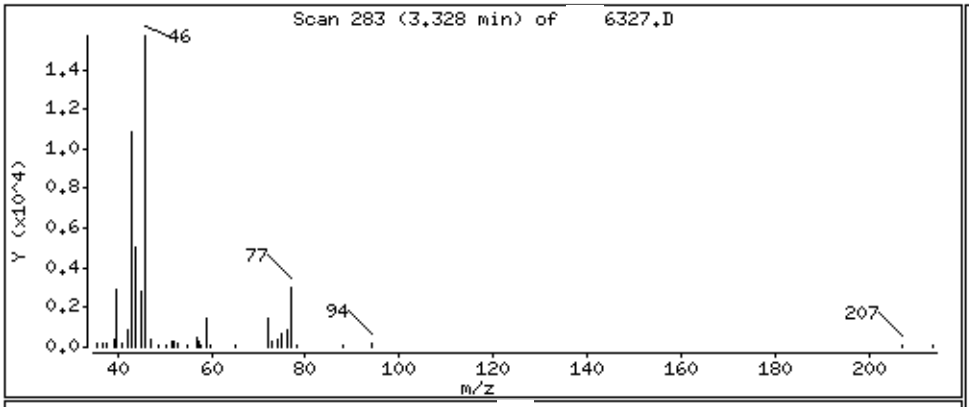
Client ID: 359 Instrument: V1.i

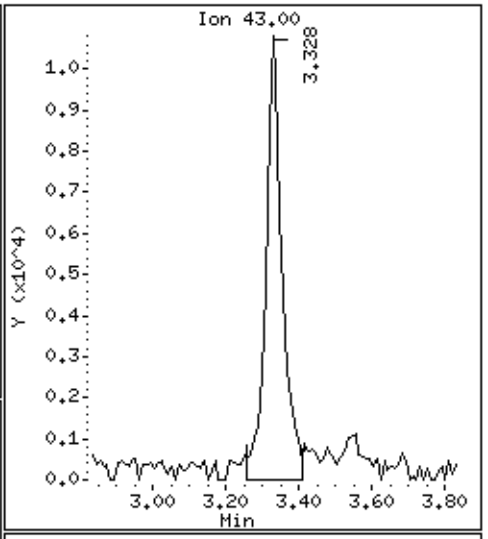
Sample Info: 5G, 078508,,883

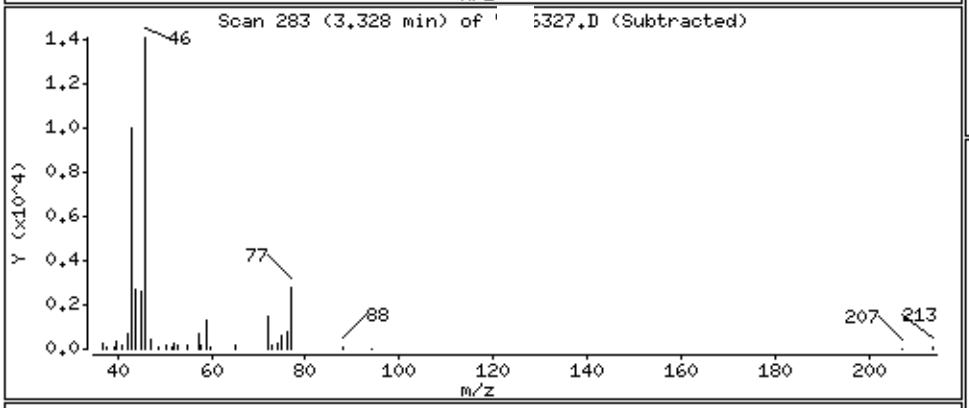
Operator: SRC: LIMS

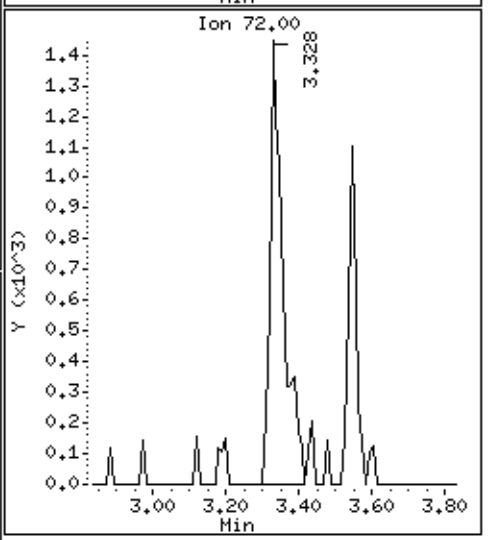
Column phase: DB-624 Column diameter: 0.25

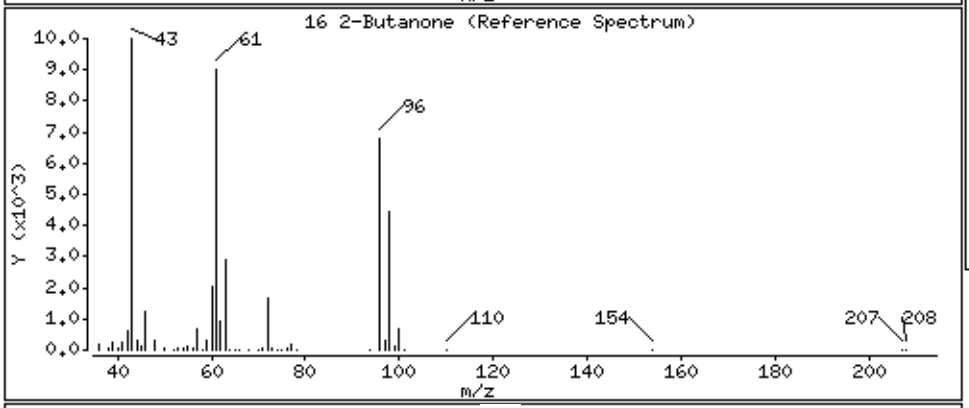
16 2-Butanone Concentration: 6.2 ug/Kg

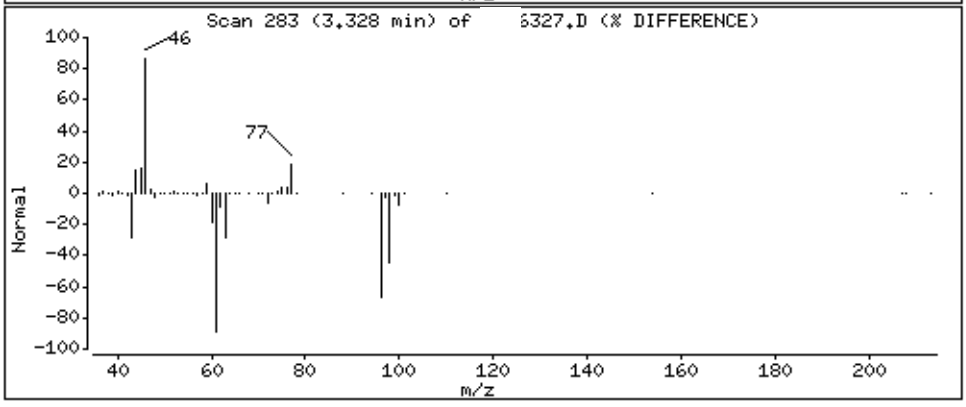












Data File: \\ \organics\V1.I\150713B.B\ 5327.D

Date : 14-JUL-2015 07:05

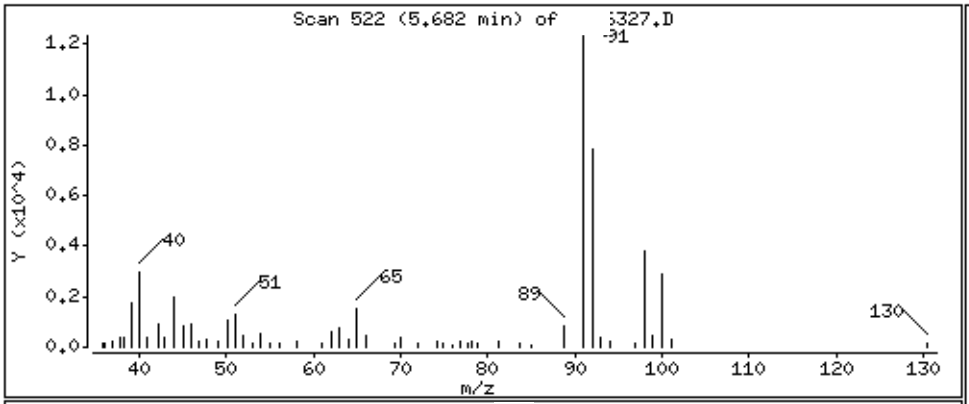
Client ID: 959 Instrument: V1.i

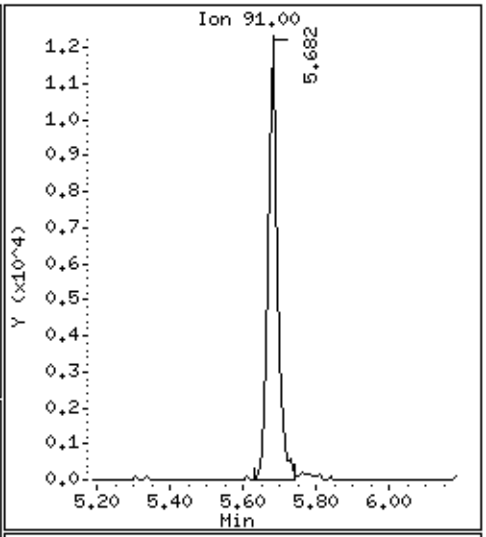
Sample Info: 5G, 078508,,883

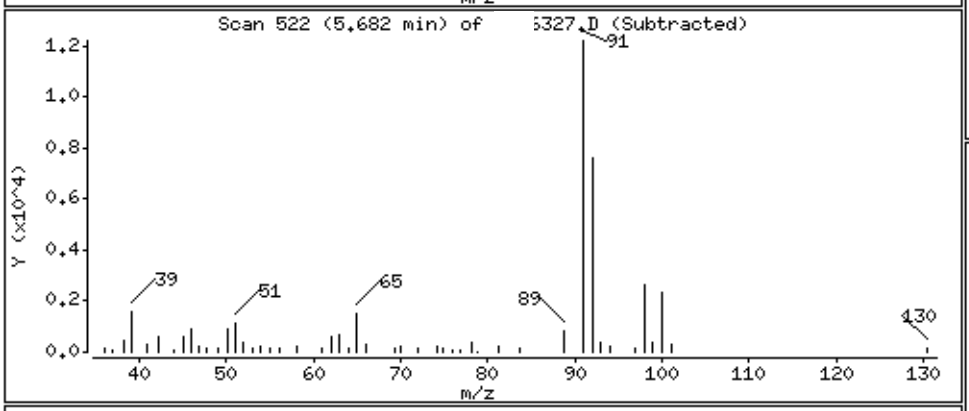
Operator: SRC: LIMS

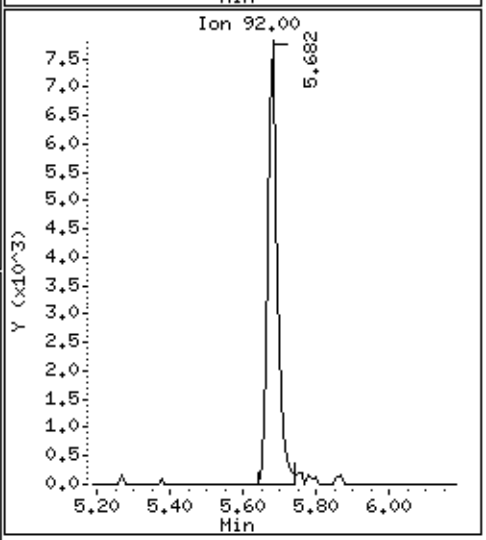
Column phase: DB-624 Column diameter: 0.25

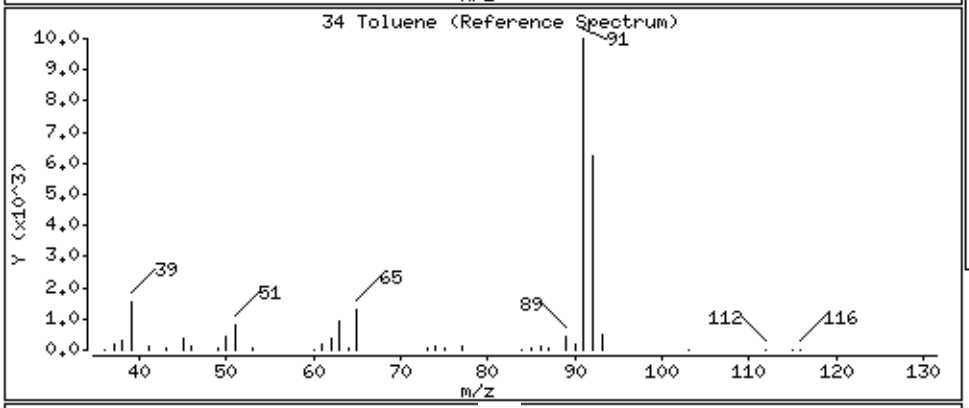
34 Toluene Concentration: 1.0 ug/Kg

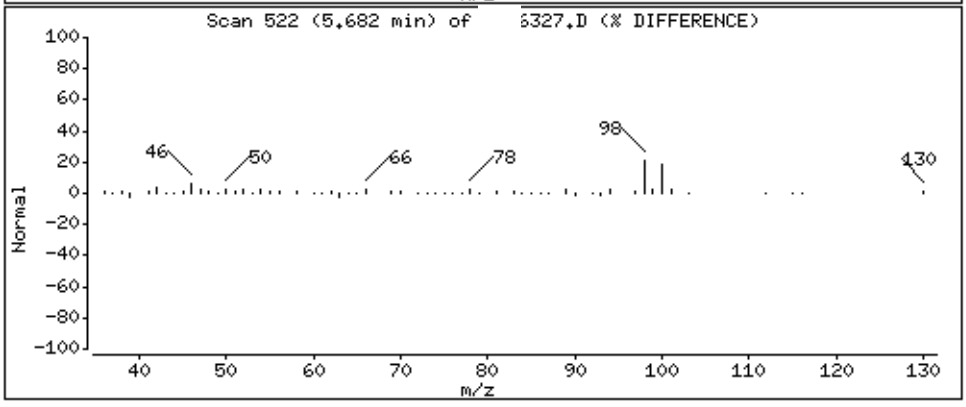












Data File: \\ .organics\V1.I\150713B.B\ 6327.D

Date : 14-JUL-2015 07:05

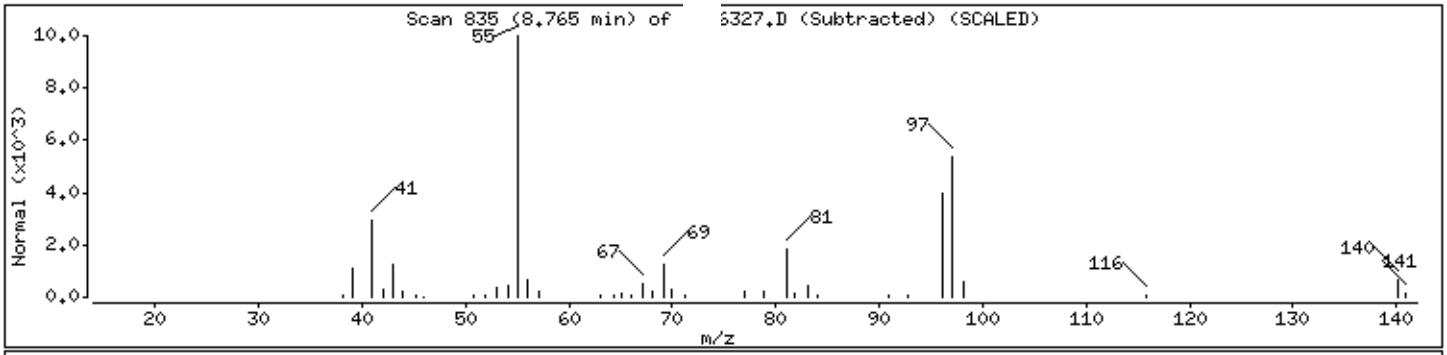
Client ID: 959 Instrument: V1.i

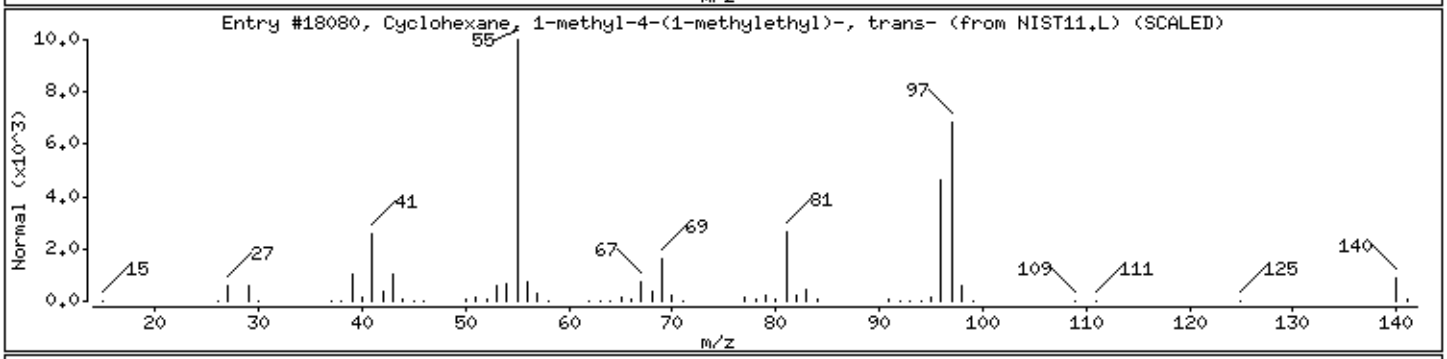
Sample Info: 5G, 078508,,883

Operator: SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic Alkane						
Cyclohexane, 1-methyl-4-(1-methylethyl)-	1678-82-6	NIST11.L	18080	93	C10H20	140





FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
961

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078509
Sample wt/vol: 10.2 (g/mL) g | Lab File ID: 6328.D
% Solids: 76 | Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	3.2	U
74-87-3	Chloromethane	3.2	U
75-01-4	Vinyl chloride	3.2	U
74-83-9	Bromomethane	3.2	U
75-00-3	Chloroethane	3.2	U
75-69-4	Trichlorofluoromethane	3.2	U
75-35-4	1,1-Dichloroethene	3.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.2	U
67-64-1	Acetone	17	
75-15-0	Carbon disulfide	3.2	U
79-20-9	Methyl Acetate	3.2	U
75-09-2	Methylene chloride	3.2	U
156-60-5	trans-1,2-Dichloroethene	3.2	U
1634-04-4	tert-Butyl Methyl Ether	3.2	U
75-34-3	1,1-Dichloroethane	3.2	U
156-59-2	cis-1,2-Dichloroethene	3.2	U
78-93-3	2-Butanone	6.4	J
67-66-3	Chloroform	3.2	U
71-55-6	1,1,1-Trichloroethane	3.2	U
110-82-7	Cyclohexane	3.2	U
56-23-5	Carbon tetrachloride	3.2	U
71-43-2	Benzene	3.2	U
107-06-2	1,2-Dichloroethane	3.2	U
79-01-6	Trichloroethene	3.2	U
108-87-2	Methyl Cyclohexane	3.2	U
78-87-5	1,2-Dichloropropane	3.2	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
961

Lab Name:
Contract:
Lab Code : Case No.:
MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 078509
Sample wt/vol: 10.2 (g/mL) g
Lab File ID: 6328.D
% Solids: 76
Date Received: 07/08/2015
GC Column (1): DB-624 ID: 0.25 (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	3.2	U
10061-01-5	cis-1,3-Dichloropropene	3.2	U
108-10-1	4-Methyl-2-pentanone	6.5	U
108-88-3	Toluene	3.2	U
10061-02-6	trans-1,3-Dichloropropene	3.2	U
79-00-5	1,1,2-Trichloroethane	3.2	U
127-18-4	Tetrachloroethene	3.2	U
591-78-6	2-Hexanone	6.5	U
124-48-1	Dibromochloromethane	3.2	U
106-93-4	1,2-Dibromoethane(EDB)	3.2	U
108-90-7	Chlorobenzene	3.2	U
100-41-4	Ethylbenzene	3.2	U
95-47-6	o-Xylene	3.2	U
179601-23-1	m,p-Xylene	3.2	U
100-42-5	Styrene	3.2	U
75-25-2	Bromoform	3.2	U
98-82-8	Isopropylbenzene (Cumene)	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	3.2	U
541-73-1	1,3-Dichlorobenzene	3.2	U
106-46-7	1,4-Dichlorobenzene	3.2	U
95-50-1	1,2-Dichlorobenzene	3.2	U
96-12-8	1,2-Dibromo-3-chloropropane	3.2	U
120-82-1	1,2,4-Trichlorobenzene	3.2	U
74-97-5	Bromochloromethane	3.2	U
87-61-6	1,2,3-Trichlorobenzene	3.2	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
961

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078509
Sample wt/vol: 10.2 (g/mL) g | Lab File ID: 6328.D
% Solids: 76 | Date Received: 07/08/2015
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/14/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150713B.B 6328.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713B.B\ 6328.D
Lab Smp Id: 078509 Client Smp ID: 961
Inj Date : 14-JUL-2015 07:32
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : SG, 078509,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\V
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	10.200	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 79 Vinyl Chloride-d3	65	1.337	1.343	(0.311)	253489	53.1236	26
$ 80 Chloroethane-d5	69	1.623	1.638	(0.377)	186916	52.7112	26
$ 81 1,1-Dichloroethene-d2	65	2.115	2.121	(0.492)	100672	50.9711	25(Q)
9 Acetone	43	2.135	2.141	(0.496)	67452	26.0916	13
$ 82 2-Butanone-d5	46	3.278	3.293	(0.762)	277231	85.3658	42
16 2-Butanone	43	3.327	3.333	(0.773)	37014	9.87498	4.8
$ 83 Chloroform-d	84	3.544	3.549	(0.824)	343125	49.5246	24(Q)
$ 23 1,2-Dichloroethane-d4	65	3.938	3.943	(0.915)	174641	49.4824	24
$ 84 Benzene-d6	84	3.957	3.973	(0.561)	837405	54.1121	27
* 26 1,4-Difluorobenzene	114	4.302	4.308	(1.000)	579169	50.0000	
$ 85 1,2-Dichloropropane-d6	67	4.637	4.643	(0.658)	286413	55.1909	27
$ 33 Toluene-d8	98	5.612	5.618	(0.796)	563423	51.2886	25
$ 86 trans-1,3-Dichloropropene-d4	79	5.858	5.864	(0.831)	189890	44.7989	22
$ 87 2-Hexanone-d5	63	6.272	6.278	(0.890)	157814	100.239	49(Q)
* 42 Chlorobenzene-d5	117	7.050	7.056	(1.000)	411887	50.0000	
$ 89 1,1,2,2-Tetrachloroethane-d2	84	8.478	8.484	(1.203)	194294	51.2628	25
* 78 1,4-Dichlorobenzene-d4	152	9.631	9.636	(1.000)	131090	50.0000	
$ 90 1,2-Dichlorobenzene-d4	152	10.015	10.020	(1.040)	113870	47.1547	23

Data File: \\ \organics\V1.I\150713B.B\ 6328.D
Report Date: 15-Jul-2015 11:32

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ \organics\V1.I\150713B.B\ 6328.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles

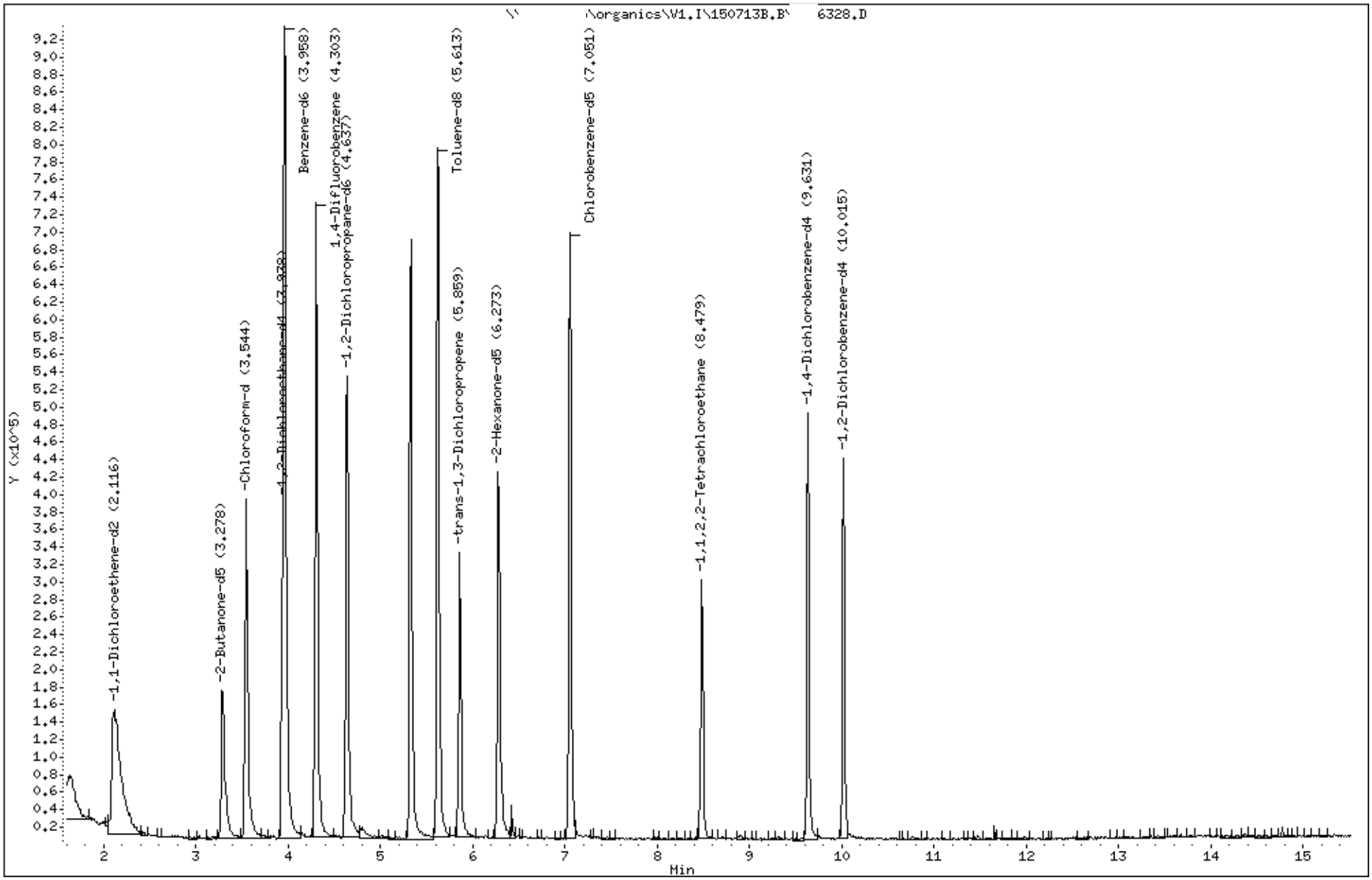
Data file : \\ \organics\V1.I\150713B.B 6328.D
Lab Smp Id: 078509 Client Smp ID: 961
Inj Date : 14-JUL-2015 07:32
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 078509,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ \organics\V1.I\150713B.B\ 6328.D
Date : 14-JUL-2015 07:32
Client ID: 961
Sample Info: 5G, 078509,,883

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713B.B\ 6328.D

Date : 14-JUL-2015 07:32

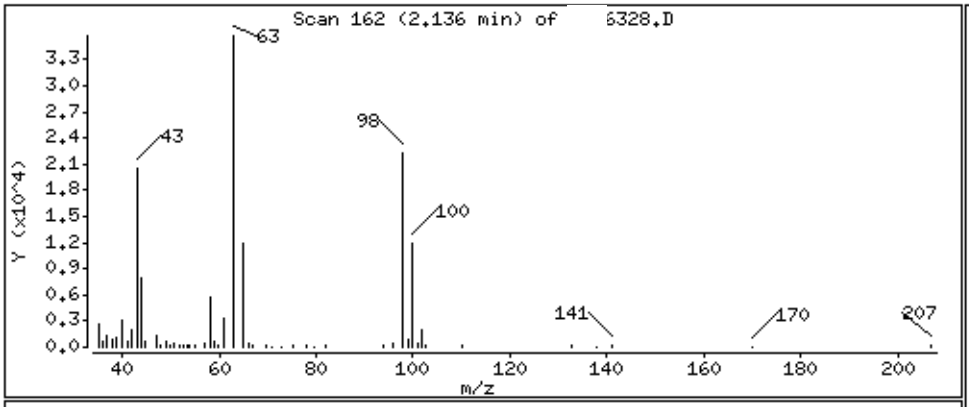
Client ID: 361 Instrument: V1.i

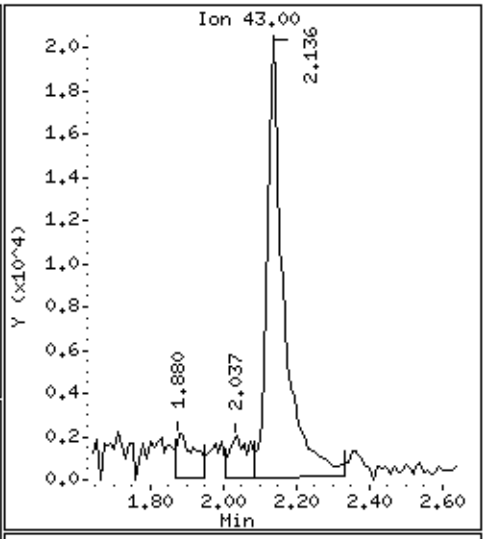
Sample Info: 5G, 078509,,883

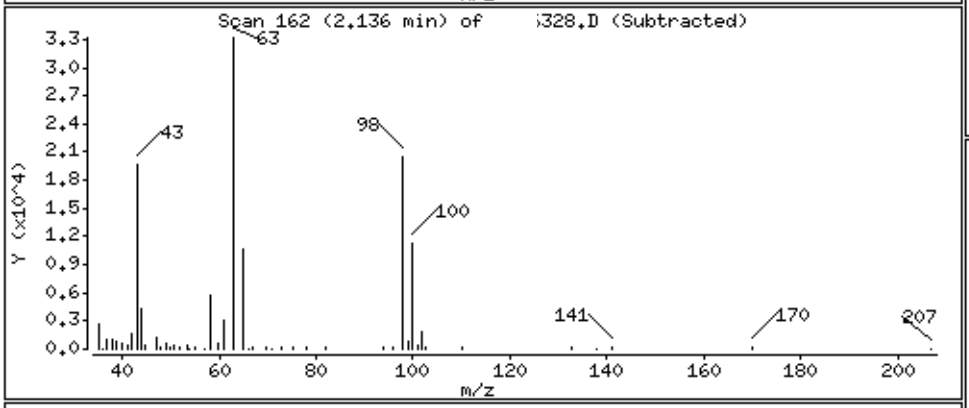
Operator: SRC: LIMS

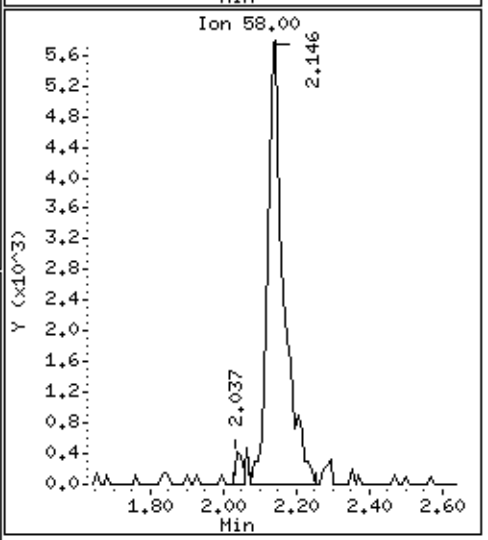
Column phase: DB-624 Column diameter: 0.25

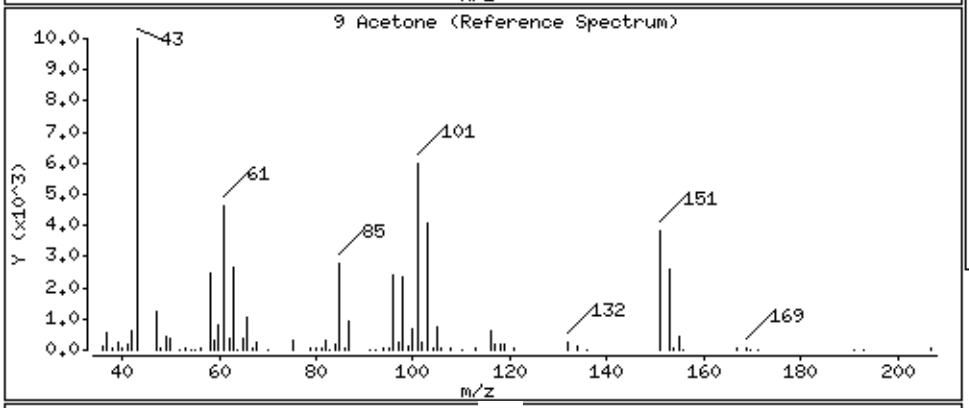
9 Acetone Concentration: 13 ug/Kg

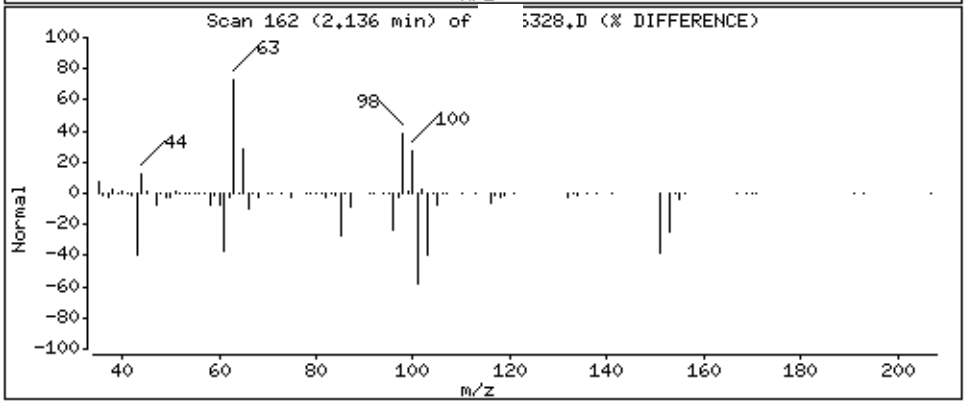












Data File: \\ \organics\V1.I\150713B.B\ 6328.D

Date : 14-JUL-2015 07:32

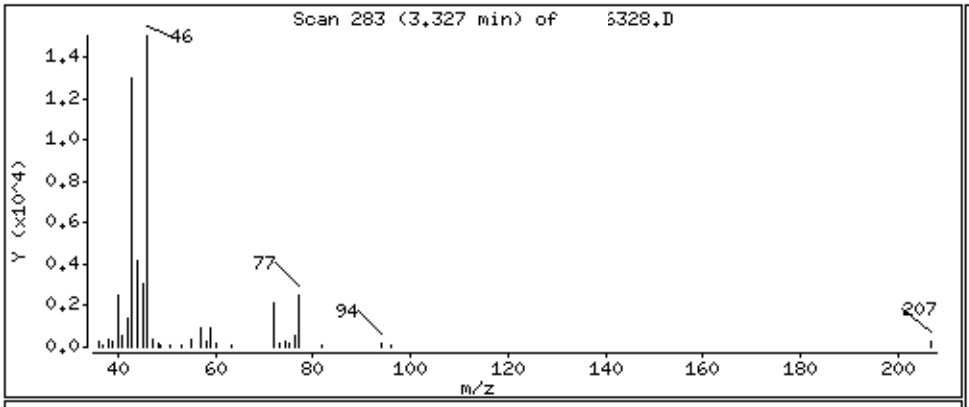
Client ID:)61 Instrument: V1.i

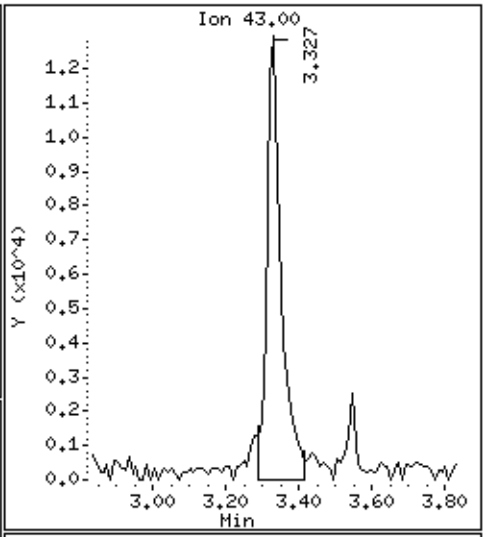
Sample Info: 5G, 078509,,883

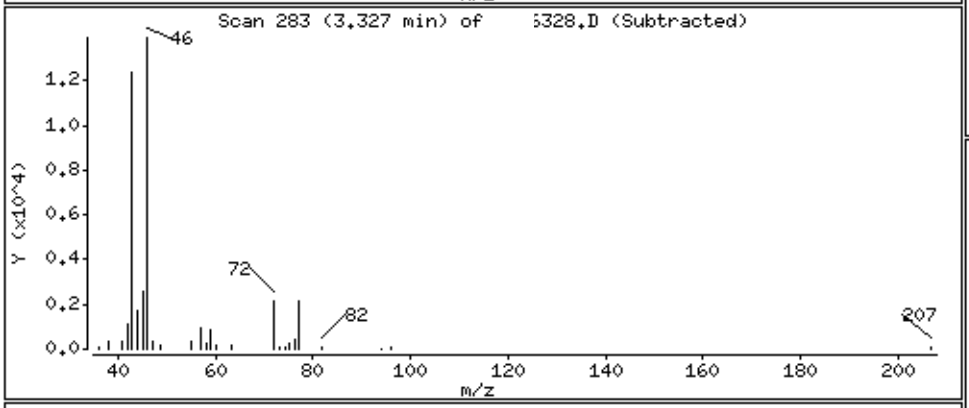
Operator: SRC: LIMS

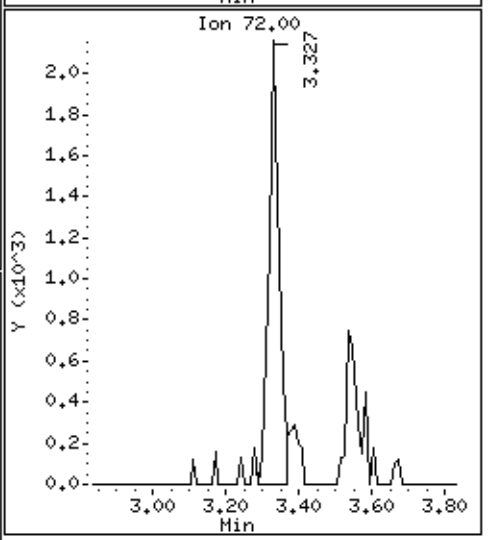
Column phase: DB-624 Column diameter: 0.25

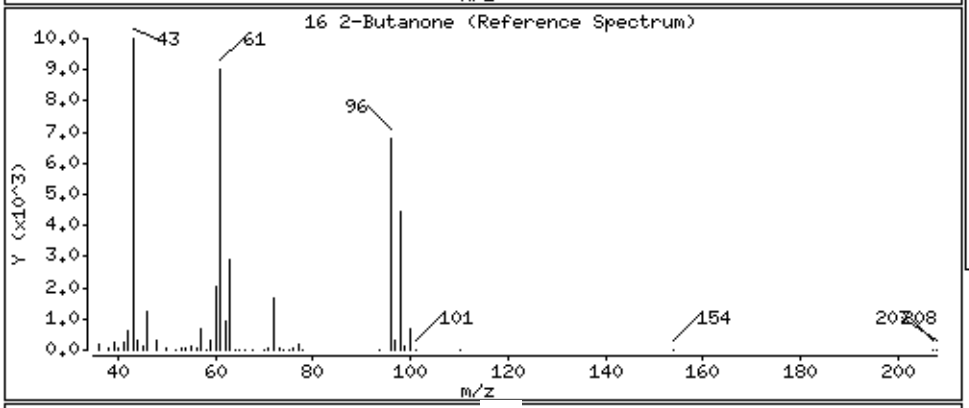
16 2-Butanone Concentration: 4.8 ug/Kg

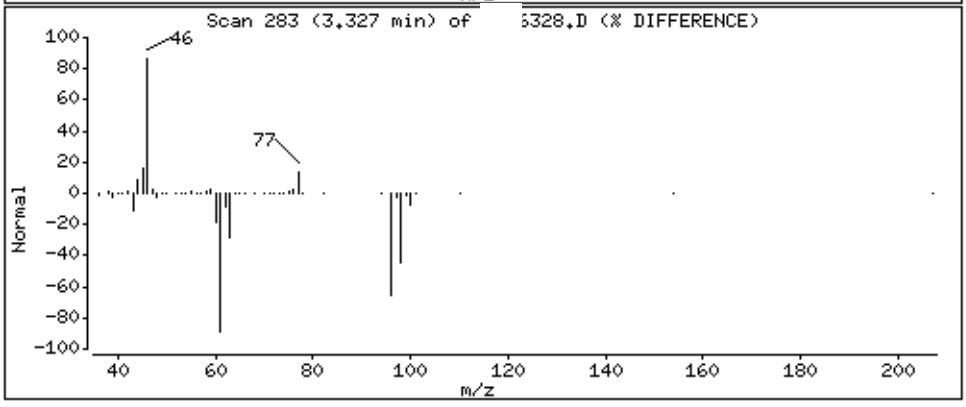












FORM 6A-OR
GC/MS INITIAL CALIBRATION

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Calibration Dates(s) 07/13/2015 07/13/2015
GC Column (1): DB-624 ID: 0.25 (mm) | Calibration Times(s) 10:24 12:10
Length: 30 (m)
Heated Purge: (Y/N) Y | Purge Volume: 10.0 (mL)

LAB FILE ID:

RRF 005 = 6291.D | RRF 010 = 6292.D | RRF 050 = 6293.D
RRF 100 = 6294.D | RRF 200 = 6295.D | RRF =

ANALYTE	RRF 005	RRF 010	RRF 050	RRF 100	RRF 200	RRF	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.466	0.473	0.371	0.459	0.405		0.435	10.2
Chloromethane	0.811	0.841	0.829	0.902	0.776		0.832	5.6
Vinyl chloride	0.590	0.586	0.590	0.628	0.551		0.589	4.6
Bromomethane	0.262	0.268	0.248	0.283	0.230		0.258	7.8
Chloroethane	0.338	0.349	0.336	0.341	0.274		0.328	9.3
Trichlorofluoromethane	0.416	0.409	0.377	0.413	0.374		0.398	5.1
1,1-Dichloroethene	0.371	0.467	0.419	0.446	0.406		0.422	8.7
1,1,2-Trichloro-1,2,2-trifluoroethan	0.259	0.296	0.292	0.335	0.309		0.298	9.3
Acetone	0.258	0.236	0.171	0.246	0.205		0.223	15.8
Carbon disulfide	1.619	1.697	1.538	1.637	1.454		1.589	6.0
Methyl Acetate	0.457	0.435	0.391	0.482	0.412		0.435	8.2
Methylene chloride	0.543	0.505	0.472	0.510	0.441		0.494	7.9
trans-1,2-Dichloroethene	0.448	0.422	0.409	0.448	0.384		0.422	6.5
tert-Butyl Methyl Ether	0.956	0.957	0.943	1.039	0.888		0.957	5.6
1,1-Dichloroethane	0.822	0.851	0.804	0.876	0.771		0.825	4.9
cis-1,2-Dichloroethene	0.482	0.468	0.447	0.495	0.423		0.463	6.2
2-Butanone	0.347	0.323	0.295	0.353	0.300		0.324	8.1
Chloroform	0.663	0.682	0.654	0.714	0.601		0.663	6.3
1,1,1-Trichloroethane	0.414	0.432	0.421	0.431	0.380		0.416	5.1
Cyclohexane	1.072	1.140	0.967	1.038	0.929		1.029	8.1
Carbon tetrachloride	0.373	0.356	0.379	0.392	0.358		0.372	4.1
Benzene	2.239	2.234	2.142	2.205	1.868		2.138	7.3
1,2-Dichloroethane	0.424	0.425	0.421	0.463	0.391		0.425	6.0
Trichloroethene	0.489	0.526	0.494	0.501	0.443		0.491	6.1
Methyl Cyclohexane	0.822	0.803	0.715	0.789	0.713		0.768	6.7

FORM 6A-OR
GC/MS INITIAL CALIBRATION

Lab Name: Contract:

Lab Code : Case No.: MA No.: SDG No.: 954

Analytical Method: VOA Level: LOW

Instrument ID V1 Calibration Dates(s) 07/13/2015 07/13/2015

GC Column (1): DB-624 ID: 0.25 (mm) Calibration Times(s) 10:24 12:10

Length: 30 (m)

Heated Purge: (Y/N) Y Purge Volume: 10.0 (mL)

LAB FILE ID:

RRF 005 = 6291.D RRF 010 = 6292.D RRF 050 = 6293.D

RRF 100 = 6294.D RRF 200 = 6295.D RRF =

ANALYTE	RRF 005	RRF 010	RRF 050	RRF 100	RRF 200	RRF	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.699	0.677	0.660	0.683	0.594		0.663	6.2
Bromodichloromethane	0.655	0.588	0.642	0.671	0.596		0.630	5.8
cis-1,3-Dichloropropene	0.868	0.870	0.887	0.915	0.819		0.872	4.0
4-Methyl-2-pentanone	0.740	0.705	0.730	0.733	0.650		0.712	5.2
Toluene	1.975	2.042	1.927	1.982	1.678		1.921	7.4
trans-1,3-Dichloropropene	0.607	0.639	0.660	0.706	0.629		0.648	5.8
1,1,2-Trichloroethane	0.397	0.385	0.379	0.388	0.350		0.380	4.7
Tetrachloroethene	0.328	0.321	0.302	0.306	0.272		0.306	7.1
2-Hexanone	0.544	0.521	0.491	0.563	0.490		0.522	6.2
Dibromochloromethane	0.388	0.409	0.423	0.439	0.396		0.411	4.9
1,2-Dibromoethane(EDB)	0.373	0.387	0.380	0.402	0.356		0.379	4.4
Chlorobenzene	1.132	1.183	1.133	1.186	1.045		1.136	5.0
Ethylbenzene	2.129	2.149	2.053	2.084	1.791		2.041	7.1
o-Xylene	0.739	0.727	0.727	0.743	0.644		0.716	5.7
m,p-Xylene	0.754	0.785	0.709	0.792	0.685		0.745	6.3
Styrene	1.182	1.262	1.244	1.290	1.110		1.218	5.9
Bromoform	0.528	0.518	0.511	0.561	0.509		0.525	4.1
Isopropylbenzene (Cumene)	1.822	1.889	1.817	1.858	1.611		1.799	6.1
1,1,2,2-Tetrachloroethane	0.530	0.505	0.490	0.507	0.444		0.495	6.5
1,3-Dichlorobenzene	1.771	1.845	1.734	1.844	1.641		1.767	4.8
1,4-Dichlorobenzene	1.882	1.882	1.750	1.850	1.673		1.808	5.1
1,2-Dichlorobenzene	1.698	1.711	1.617	1.715	1.511		1.650	5.3
1,2-Dibromo-3-chloropropane	0.167	0.135	0.149	0.151	0.137		0.148	8.7
1,2,4-Trichlorobenzene	0.940	1.023	0.945	1.033	0.905		0.969	5.8
Bromochloromethane	0.187	0.205	0.173	0.205	0.174		0.189	8.3
1,2,3-Trichlorobenzene	0.798	0.911	0.856	0.904	0.815		0.857	5.9

FORM 6A-OR
GC/MS INITIAL CALIBRATION

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Calibration Dates(s) 07/13/2015 07/13/2015
GC Column (1): DB-624 ID: 0.25 (mm) | Calibration Times(s) 10:24 12:10
Length: 30 (m)
Heated Purge: (Y/N) Y | Purge Volume: 10.0 (mL)

LAB FILE ID:

RRF 005 = 6291.D | RRF 010 = 6292.D | RRF 050 = 6293.D
RRF 100 = 6294.D | RRF 200 = 6295.D | RRF =

ANALYTE	RRF 005	RRF 010	RRF 050	RRF 100	RRF 200	RRF	$\overline{RRF}$	%RSD
Vinyl chloride-d3	0.444	0.391	0.433	0.414	0.378		0.412	6.7
Chloroethane-d5	0.328	0.299	0.335	0.309	0.259		0.306	9.8
1,1-Dichloroethene-d2	0.179	0.158	0.183	0.174	0.158		0.171	6.9
2-Butanone-d5	0.287	0.270	0.269	0.312	0.263		0.280	7.0
Chloroform-d	0.603	0.583	0.643	0.611	0.550		0.598	5.7
1,2-Dichloroethane-d4	0.322	0.296	0.322	0.327	0.258		0.305	9.5
Benzene-d6	1.949	1.821	2.054	1.872	1.696		1.879	7.2
1,2-Dichloropropane-d6	0.641	0.562	0.713	0.619	0.615		0.630	8.7
Toluene-d8	1.439	1.257	1.440	1.337	1.194		1.334	8.2
trans-1,3-Dichloropropene-d4	0.492	0.490	0.542	0.554	0.493		0.515	6.1
2-Hexanone-d5	0.176	0.180	0.192	0.216	0.191		0.191	8.2
1,1,2,2-Tetrachloroethane-d2	0.471	0.459	0.481	0.476	0.413		0.460	6.0
1,2-Dichlorobenzene-d4	1.024	0.909	0.931	0.907	0.833		0.921	7.5

Data File: \\ \organics\V1.I\150713.B\ 6291.D
Report Date: 15-Jul-2015 11:30

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713.B\ 6291.D
Lab Smp Id: 0CAL01 Client Smp ID: 0051Z
Inj Date : 13-JUL-2015 10:24
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 0CAL01,,880
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713.B\V1_ .m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:24 Cal File: 6291.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.145	1.144	(0.266)	31881	5.00000	5.4
2	Chloromethane	50	1.273	1.272	(0.296)	55500	5.00000	4.9
$ 79	Vinyl Chloride-d3	65	1.352	1.341	(0.314)	30370	5.00000	5.4
3	Vinyl Chloride	62	1.332	1.341	(0.309)	40395	5.00000	5.0
4	Bromomethane	94	1.579	1.577	(0.367)	17935	5.00000	5.1
$ 80	Chloroethane-d5	69	1.608	1.637	(0.373)	22463	5.00000	5.4
5	Chloroethane	64	1.638	1.637	(0.380)	23167	5.00000	5.2
6	Trichlorofluoromethane	101	1.776	1.784	(0.412)	28481	5.00000	5.2
$ 81	1,1-Dichloroethene-d2	65	2.111	2.099	(0.490)	12271	5.00000	5.3(Q)
7	1,1-Dichloroethene	96	2.111	2.119	(0.490)	25418	5.00000	4.4(Q)
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.140	2.129	(0.497)	17712	5.00000	4.3
9	Acetone	43	2.140	2.139	(0.497)	35318	10.0000	12
10	Carbon Disulfide	76	2.268	2.257	(0.527)	110804	5.00000	5.1
11	Methyl Acetate	43	2.357	2.356	(0.547)	31274	5.00000	5.2
12	Methylene Chloride	84	2.426	2.415	(0.563)	37160	5.00000	5.5
13	trans-1,2-Dichloroethene	96	2.613	2.612	(0.607)	30633	5.00000	5.3
14	Methyl tert-Butyl Ether	73	2.613	2.612	(0.607)	65420	5.00000	5.0
15	1,1-Dichloroethane	63	2.899	2.897	(0.673)	56251	5.00000	5.0
$ 82	2-Butanone-d5	46	3.283	3.281	(0.762)	39252	10.0000	10
17	cis-1,2-Dichloroethene	96	3.322	3.311	(0.771)	32996	5.00000	5.2
16	2-Butanone	43	3.332	3.321	(0.774)	47473	10.0000	11

Data File: \\ \organics\V1.I\150713.B\ 6291.D
Report Date: 15-Jul-2015 11:30

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18	Bromochloromethane	128	3.499	3.488	(0.812)	12824	5.00000	5.0
$	83	Chloroform-d	84	3.539	3.538	(0.822)	41266	5.00000	5.0
	19	Chloroform	83	3.549	3.557	(0.824)	45408	5.00000	5.0
	20	1,1,1-Trichloroethane	97	3.706	3.705	(0.527)	22495	5.00000	5.0
	21	Cyclohexane	56	3.755	3.754	(0.534)	58213	5.00000	5.2
	22	Carbon Tetrachloride	117	3.844	3.833	(0.546)	20245	5.00000	5.0
$	23	1,2-Dichloroethane-d4	65	3.943	3.932	(0.915)	22005	5.00000	5.3
$	84	Benzene-d6	84	3.962	3.961	(0.563)	105803	5.00000	5.2
	25	Benzene	78	3.992	3.991	(0.567)	121546	5.00000	5.2
	24	1,2-Dichloroethane	62	4.002	4.000	(0.929)	29005	5.00000	5.0
*	26	1,4-Difluorobenzene	114	4.307	4.296	(1.000)	684413	50.0000	
	27	Trichloroethene	95	4.524	4.522	(0.643)	26545	5.00000	5.0
$	85	1,2-Dichloropropane-d6	67	4.632	4.631	(0.658)	34790	5.00000	5.1
	28	Methylcyclohexane	83	4.691	4.690	(0.667)	44613	5.00000	5.3
	29	1,2-Dichloropropane	63	4.701	4.700	(0.668)	37958	5.00000	5.3
	30	Bromodichloromethane	83	4.947	4.946	(0.703)	35554	5.00000	5.2
	31	cis-1,3-Dichloropropene	75	5.351	5.350	(0.761)	47096	5.00000	5.0
	32	4-Methyl-2-Pentanone	43	5.499	5.498	(0.782)	80342	10.0000	10
$	33	Toluene-d8	98	5.607	5.606	(0.797)	78132	5.00000	5.4
	34	Toluene	91	5.666	5.675	(0.805)	107183	5.00000	5.1
$	86	trans-1,3-Dichloropropene-d4	79	5.844	5.852	(0.831)	26726	5.00000	4.8
	35	trans-1,3-Dichloropropene	75	5.873	5.882	(0.835)	32935	5.00000	4.7
	36	1,1,2-Trichloroethane	97	6.050	6.049	(0.860)	21543	5.00000	5.2
	37	Tetrachloroethene	164	6.208	6.207	(0.882)	17810	5.00000	5.4
$	87	2-Hexanone-d5	63	6.267	6.266	(0.891)	19062	10.0000	9.2
	38	2-Hexanone	43	6.316	6.315	(0.898)	59075	10.0000	10
	39	Dibromochloromethane	129	6.435	6.443	(0.915)	21078	5.00000	4.7
	40	1,2-Dibromoethane	107	6.543	6.551	(0.930)	20267	5.00000	4.9
*	42	Chlorobenzene-d5	117	7.035	7.044	(1.000)	542782	50.0000	
	43	Chlorobenzene	112	7.065	7.074	(1.004)	61453	5.00000	5.0
	44	Ethylbenzene	91	7.203	7.202	(1.024)	115540	5.00000	5.2
	45	m,p-Xylene	106	7.331	7.330	(1.042)	40950	5.00000	5.1
	46	o-Xylene	106	7.754	7.753	(1.102)	40109	5.00000	5.2
	47	Styrene	104	7.774	7.773	(1.105)	64183	5.00000	4.9
	48	Bromoform	173	7.951	7.950	(0.826)	12082	5.00000	5.0
	49	Isopropylbenzene	105	8.178	8.177	(1.162)	98888	5.00000	5.1
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.473	8.472	(1.204)	25568	5.00000	5.1
	51	1,1,2,2-Tetrachloroethane	83	8.503	8.502	(1.209)	28770	5.00000	5.4
	52	1,3-Dichlorobenzene	146	9.557	9.546	(0.993)	40529	5.00000	5.0
*	78	1,4-Dichlorobenzene-d4	152	9.626	9.625	(1.000)	228799	50.0000	
	53	1,4-Dichlorobenzene	146	9.646	9.644	(1.002)	43069	5.00000	5.2
$	90	1,2-Dichlorobenzene-d4	152	10.010	10.009	(1.040)	23436	5.00000	5.6
	54	1,2-Dichlorobenzene	146	10.030	10.028	(1.042)	38856	5.00000	5.1
	55	1,2-Dibromo-3-chloropropane	75	10.788	10.787	(1.121)	3824	5.00000	5.7
	56	1,2,4-Trichlorobenzene	180	11.566	11.565	(1.202)	21517	5.00000	4.9
	77	1,2,3-Trichlorobenzene	180	11.990	11.988	(1.246)	18260	5.00000	4.7

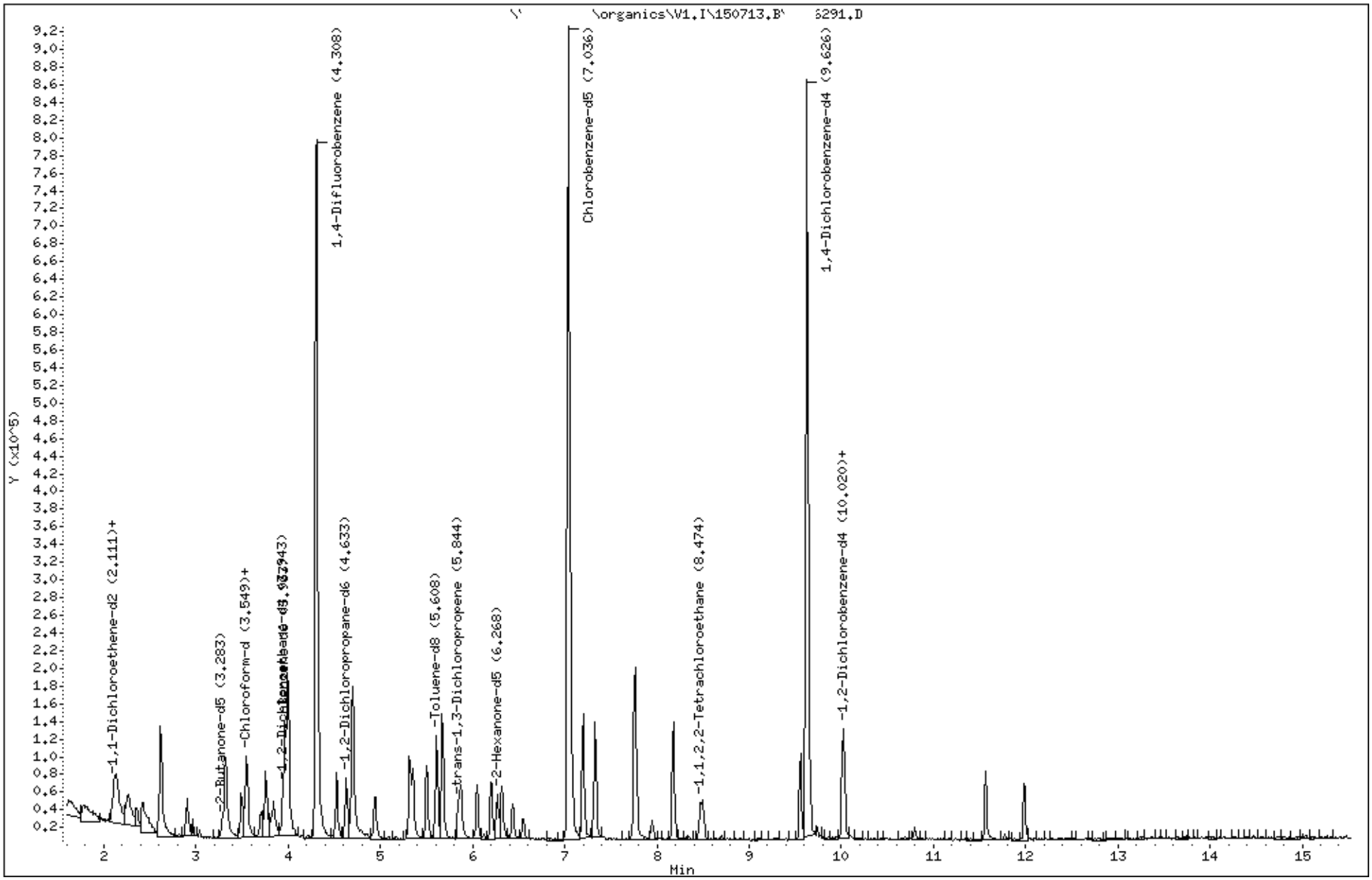
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ \organics\V1.I\150713.B\ 6291.D
Date : 13-JUL-2015 10:24
Client ID: 0051Z
Sample Info: 5G, 0CAL01,,880

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713.B\ 6292.D
Report Date: 15-Jul-2015 11:30

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713.B\ 6292.D
Lab Smp Id: 1CAL02 Client Smp ID: 0101Z
Inj Date : 13-JUL-2015 10:50
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 1CAL02,,880
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713.B\V1_ .m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.144	1.144	(0.266)	64615	10.0000	11
2	Chloromethane	50	1.272	1.272	(0.296)	115075	10.0000	10
$ 79	Vinyl Chloride-d3	65	1.341	1.341	(0.312)	53425	10.0000	9.5
3	Vinyl Chloride	62	1.341	1.341	(0.312)	80184	10.0000	10
4	Bromomethane	94	1.568	1.577	(0.365)	36677	10.0000	10
$ 80	Chloroethane-d5	69	1.617	1.637	(0.376)	40927	10.0000	9.8
5	Chloroethane	64	1.646	1.637	(0.383)	47785	10.0000	11
6	Trichlorofluoromethane	101	1.784	1.784	(0.415)	55888	10.0000	10
$ 81	1,1-Dichloroethene-d2	65	2.109	2.099	(0.491)	21674	10.0000	9.3
7	1,1-Dichloroethene	96	2.119	2.119	(0.493)	63898	10.0000	11
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.129	2.129	(0.496)	40454	10.0000	9.9
9	Acetone	43	2.129	2.139	(0.496)	64668	20.0000	21
10	Carbon Disulfide	76	2.267	2.257	(0.528)	232095	10.0000	11
11	Methyl Acetate	43	2.356	2.356	(0.548)	59423	10.0000	10
12	Methylene Chloride	84	2.425	2.415	(0.564)	69049	10.0000	10
13	trans-1,2-Dichloroethene	96	2.612	2.612	(0.608)	57698	10.0000	10
14	Methyl tert-Butyl Ether	73	2.612	2.612	(0.608)	130824	10.0000	10
15	1,1-Dichloroethane	63	2.897	2.897	(0.674)	116313	10.0000	10
$ 82	2-Butanone-d5	46	3.281	3.281	(0.764)	73946	20.0000	19
17	cis-1,2-Dichloroethene	96	3.321	3.311	(0.773)	63958	10.0000	10
16	2-Butanone	43	3.321	3.321	(0.773)	88349	20.0000	20

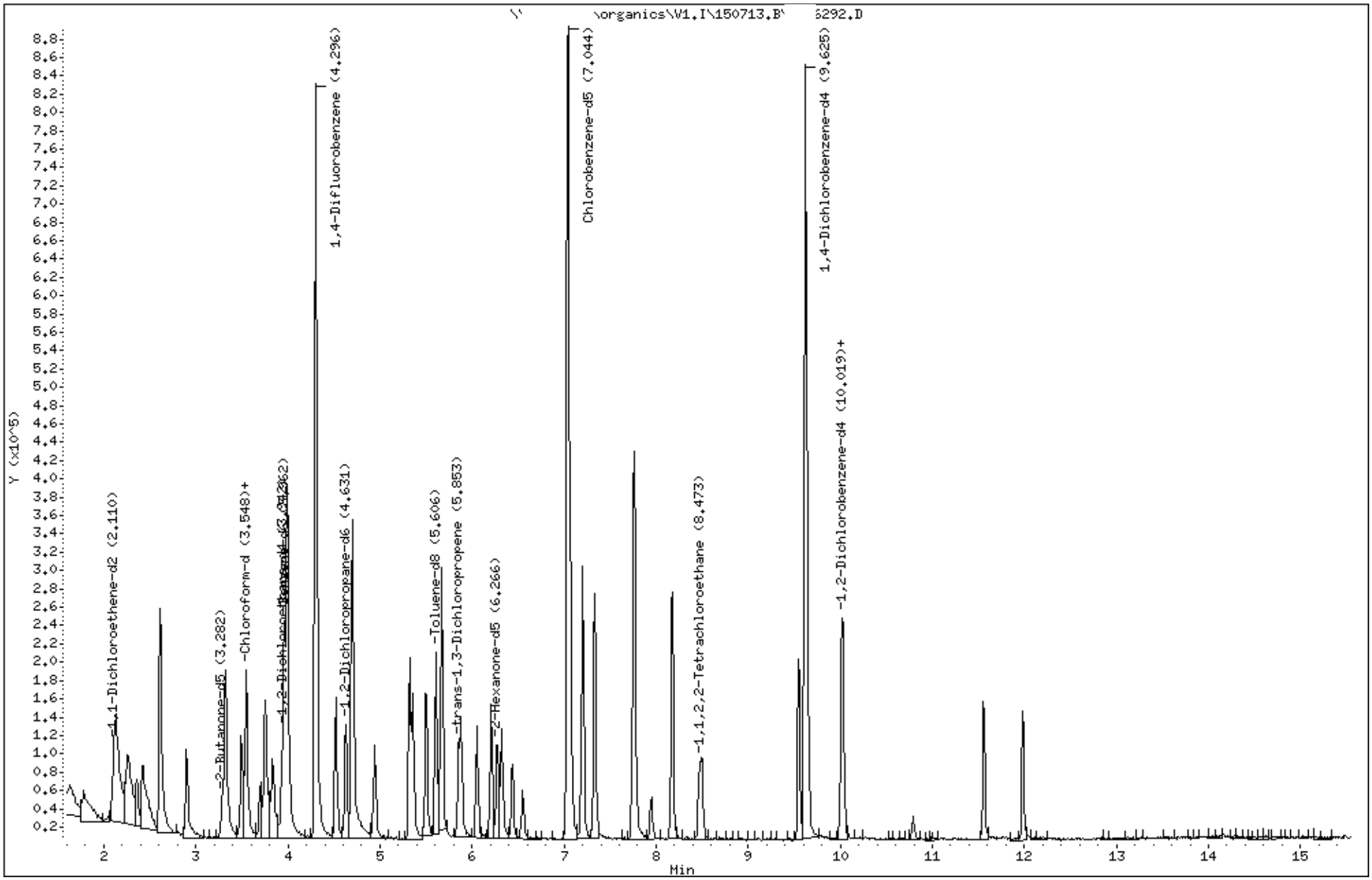
Data File: \\ \organics\V1.I\150713.B\ 6292.D
Report Date: 15-Jul-2015 11:30

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18	Bromochloromethane	128	3.488	3.488	(0.812)	27968	10.0000	11
$	83	Chloroform-d	84	3.538	3.538	(0.823)	79787	10.0000	9.8
	19	Chloroform	83	3.547	3.557	(0.826)	93304	10.0000	10
	20	1,1,1-Trichloroethane	97	3.695	3.705	(0.525)	47188	10.0000	10
	21	Cyclohexane	56	3.754	3.754	(0.533)	124492	10.0000	11
	22	Carbon Tetrachloride	117	3.833	3.833	(0.544)	38858	10.0000	9.6
$	23	1,2-Dichloroethane-d4	65	3.941	3.932	(0.917)	40466	10.0000	9.7
$	84	Benzene-d6	84	3.961	3.961	(0.562)	198961	10.0000	9.7
	25	Benzene	78	3.991	3.991	(0.567)	244082	10.0000	10
	24	1,2-Dichloroethane	62	4.000	4.000	(0.931)	58166	10.0000	10
*	26	1,4-Difluorobenzene	114	4.296	4.296	(1.000)	683763	50.0000	
	27	Trichloroethene	95	4.522	4.522	(0.642)	57406	10.0000	11
$	85	1,2-Dichloropropane-d6	67	4.631	4.631	(0.657)	61346	10.0000	8.9
	28	Methylcyclohexane	83	4.700	4.690	(0.667)	87684	10.0000	10
	29	1,2-Dichloropropane	63	4.710	4.700	(0.669)	74004	10.0000	10
	30	Bromodichloromethane	83	4.946	4.946	(0.702)	64261	10.0000	9.3
	31	cis-1,3-Dichloropropene	75	5.350	5.350	(0.760)	95067	10.0000	10
	32	4-Methyl-2-Pentanone	43	5.498	5.498	(0.780)	154092	20.0000	20
$	33	Toluene-d8	98	5.606	5.606	(0.796)	137321	10.0000	9.4
	34	Toluene	91	5.675	5.675	(0.806)	223031	10.0000	11
$	86	trans-1,3-Dichloropropene-d4	79	5.852	5.852	(0.831)	53553	10.0000	9.5
	35	trans-1,3-Dichloropropene	75	5.882	5.882	(0.835)	69816	10.0000	9.9
	36	1,1,2-Trichloroethane	97	6.049	6.049	(0.859)	42078	10.0000	10
	37	Tetrachloroethene	164	6.207	6.207	(0.881)	35105	10.0000	11
$	87	2-Hexanone-d5	63	6.266	6.266	(0.890)	39399	20.0000	19
	38	2-Hexanone	43	6.315	6.315	(0.897)	113923	20.0000	20
	39	Dibromochloromethane	129	6.443	6.443	(0.915)	44670	10.0000	10
	40	1,2-Dibromoethane	107	6.551	6.551	(0.930)	42237	10.0000	10
*	42	Chlorobenzene-d5	117	7.044	7.044	(1.000)	546175	50.0000	
	43	Chlorobenzene	112	7.074	7.074	(1.004)	129266	10.0000	10
	44	Ethylbenzene	91	7.202	7.202	(1.022)	234732	10.0000	11
	45	m,p-Xylene	106	7.330	7.330	(1.041)	85744	10.0000	11
	46	o-Xylene	106	7.753	7.753	(1.101)	79465	10.0000	10
	47	Styrene	104	7.763	7.773	(1.102)	137826	10.0000	10
	48	Bromoform	173	7.950	7.950	(0.826)	24040	10.0000	9.9
	49	Isopropylbenzene	105	8.177	8.177	(1.161)	206299	10.0000	10
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.472	8.472	(1.203)	50175	10.0000	10
	51	1,1,2,2-Tetrachloroethane	83	8.502	8.502	(1.207)	55146	10.0000	10
	52	1,3-Dichlorobenzene	146	9.556	9.546	(0.993)	85667	10.0000	10
*	78	1,4-Dichlorobenzene-d4	152	9.625	9.625	(1.000)	232136	50.0000	
	53	1,4-Dichlorobenzene	146	9.644	9.644	(1.002)	87391	10.0000	10
$	90	1,2-Dichlorobenzene-d4	152	10.009	10.009	(1.040)	42225	10.0000	9.9
	54	1,2-Dichlorobenzene	146	10.028	10.028	(1.042)	79452	10.0000	10
	55	1,2-Dibromo-3-chloropropane	75	10.787	10.787	(1.121)	6268	10.0000	9.1
	56	1,2,4-Trichlorobenzene	180	11.565	11.565	(1.202)	47516	10.0000	11
	77	1,2,3-Trichlorobenzene	180	11.988	11.988	(1.246)	42273	10.0000	11

Data File: \\ _ \organics\V1.I\150713.B\ 6292.D
Date : 13-JUL-2015 10:50
Client ID: 0101Z
Sample Info: 5G, CAL02,,880

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713.B\ 6293.D
Report Date: 15-Jul-2015 11:30

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713.B\ 6293.D
Lab Smp Id: 2CAL03 Client Smp ID: 0501Z
Inj Date : 13-JUL-2015 11:17
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 2CAL03,,880
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713.B\V1_ S.m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 11:17 Cal File: 6293.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.144	1.144	(0.266)	225992	50.0000	43
2	Chloromethane	50	1.272	1.272	(0.296)	504492	50.0000	50
$ 79	Vinyl Chloride-d3	65	1.341	1.341	(0.312)	263932	50.0000	53
3	Vinyl Chloride	62	1.341	1.341	(0.312)	359293	50.0000	50
4	Bromomethane	94	1.577	1.577	(0.367)	151049	50.0000	48(Q)
$ 80	Chloroethane-d5	69	1.637	1.637	(0.381)	204064	50.0000	55
5	Chloroethane	64	1.637	1.637	(0.381)	204782	50.0000	51
6	Trichlorofluoromethane	101	1.784	1.784	(0.415)	229702	50.0000	47
$ 81	1,1-Dichloroethene-d2	65	2.099	2.099	(0.489)	111335	50.0000	54(Q)
7	1,1-Dichloroethene	96	2.119	2.119	(0.493)	254899	50.0000	50(Q)
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.129	2.129	(0.496)	177718	50.0000	49
9	Acetone	43	2.139	2.139	(0.498)	208328	100.000	77
10	Carbon Disulfide	76	2.257	2.257	(0.525)	936658	50.0000	48
11	Methyl Acetate	43	2.356	2.356	(0.548)	238103	50.0000	45
12	Methylene Chloride	84	2.415	2.415	(0.562)	287275	50.0000	48
13	trans-1,2-Dichloroethene	96	2.612	2.612	(0.608)	248971	50.0000	48
14	Methyl tert-Butyl Ether	73	2.612	2.612	(0.608)	574495	50.0000	49
15	1,1-Dichloroethane	63	2.897	2.897	(0.674)	489732	50.0000	49
$ 82	2-Butanone-d5	46	3.281	3.281	(0.764)	328151	100.000	96
17	cis-1,2-Dichloroethene	96	3.311	3.311	(0.771)	272283	50.0000	48
16	2-Butanone	43	3.321	3.321	(0.773)	358881	100.000	91

Data File: \\ \organics\V1.I\150713.B\ 6293.D
Report Date: 15-Jul-2015 11:30

								AMOUNTS	
			QUANT SIG					CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	18	Bromochloromethane	128	3.488	3.488	(0.812)	105634	50.0000	46(Q)
$	83	Chloroform-d	84	3.538	3.538	(0.823)	391331	50.0000	54
	19	Chloroform	83	3.557	3.557	(0.828)	398024	50.0000	49
	20	1,1,1-Trichloroethane	97	3.705	3.705	(0.526)	200895	50.0000	51
	21	Cyclohexane	56	3.754	3.754	(0.533)	461771	50.0000	47
	22	Carbon Tetrachloride	117	3.833	3.833	(0.544)	180932	50.0000	51
$	23	1,2-Dichloroethane-d4	65	3.932	3.932	(0.915)	195786	50.0000	53
$	84	Benzene-d6	84	3.961	3.961	(0.562)	980226	50.0000	55
	25	Benzene	78	3.991	3.991	(0.567)	1022360	50.0000	50
	24	1,2-Dichloroethane	62	4.000	4.000	(0.931)	256154	50.0000	50
*	26	1,4-Difluorobenzene	114	4.296	4.296	(1.000)	608923	50.0000	
	27	Trichloroethene	95	4.522	4.522	(0.642)	235915	50.0000	50
$	85	1,2-Dichloropropane-d6	67	4.631	4.631	(0.657)	340109	50.0000	57
	28	Methylcyclohexane	83	4.690	4.690	(0.666)	341146	50.0000	47
	29	1,2-Dichloropropane	63	4.700	4.700	(0.667)	314947	50.0000	50
	30	Bromodichloromethane	83	4.946	4.946	(0.702)	306421	50.0000	51
	31	cis-1,3-Dichloropropene	75	5.350	5.350	(0.760)	423523	50.0000	51
	32	4-Methyl-2-Pentanone	43	5.498	5.498	(0.780)	696769	100.000	100
$	33	Toluene-d8	98	5.606	5.606	(0.796)	687116	50.0000	54
	34	Toluene	91	5.675	5.675	(0.806)	919898	50.0000	50
$	86	trans-1,3-Dichloropropene-d4	79	5.852	5.852	(0.831)	258934	50.0000	53
	35	trans-1,3-Dichloropropene	75	5.882	5.882	(0.835)	315063	50.0000	51
	36	1,1,2-Trichloroethane	97	6.049	6.049	(0.859)	180873	50.0000	50
	37	Tetrachloroethene	164	6.207	6.207	(0.881)	143906	50.0000	49
$	87	2-Hexanone-d5	63	6.266	6.266	(0.890)	183477	100.000	100(Q)
	38	2-Hexanone	43	6.315	6.315	(0.897)	468333	100.000	94
	39	Dibromochloromethane	129	6.443	6.443	(0.915)	201960	50.0000	51
	40	1,2-Dibromoethane	107	6.551	6.551	(0.930)	181246	50.0000	50
*	42	Chlorobenzene-d5	117	7.044	7.044	(1.000)	477304	50.0000	
	43	Chlorobenzene	112	7.074	7.074	(1.004)	540847	50.0000	50
	44	Ethylbenzene	91	7.202	7.202	(1.022)	979678	50.0000	50
	45	m,p-Xylene	106	7.330	7.330	(1.041)	338389	50.0000	48
	46	o-Xylene	106	7.753	7.753	(1.101)	346782	50.0000	51
	47	Styrene	104	7.773	7.773	(1.103)	593645	50.0000	51
	48	Bromoform	173	7.950	7.950	(0.826)	107311	50.0000	49
	49	Isopropylbenzene	105	8.177	8.177	(1.161)	867156	50.0000	50
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.472	8.472	(1.203)	229639	50.0000	52
	51	1,1,2,2-Tetrachloroethane	83	8.502	8.502	(1.207)	233834	50.0000	49
	52	1,3-Dichlorobenzene	146	9.546	9.546	(0.992)	364092	50.0000	49
*	78	1,4-Dichlorobenzene-d4	152	9.625	9.625	(1.000)	209967	50.0000	
	53	1,4-Dichlorobenzene	146	9.644	9.644	(1.002)	367494	50.0000	48
$	90	1,2-Dichlorobenzene-d4	152	10.009	10.009	(1.040)	195571	50.0000	51
	54	1,2-Dichlorobenzene	146	10.028	10.028	(1.042)	339476	50.0000	49
	55	1,2-Dibromo-3-chloropropane	75	10.787	10.787	(1.121)	31194	50.0000	50
	56	1,2,4-Trichlorobenzene	180	11.565	11.565	(1.202)	198329	50.0000	49
	77	1,2,3-Trichlorobenzene	180	11.988	11.988	(1.246)	179753	50.0000	50

QC Flag Legend

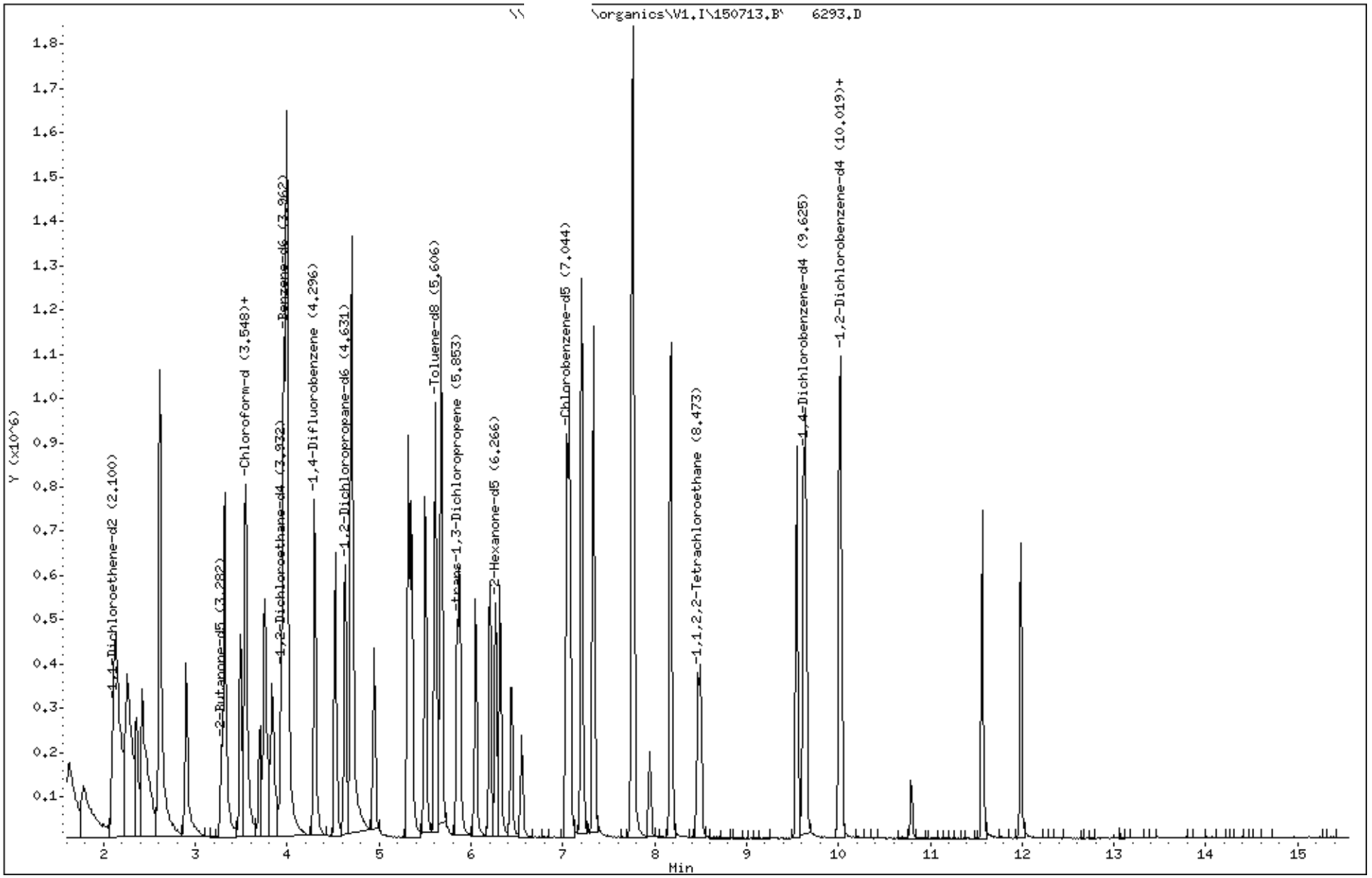
Q - Qualifier signal failed the ratio test.

Data File: \\ _ \organics\V1.I\150713.B\ 6293.D
Date : 13-JUL-2015 11:17
Client ID: 0501Z
Sample Info: 5G, 2CAL03,,880

Instrument: V1.i

Operator: SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



Data File: \\ \organics\V1.I\150713.B\ 6294.D
Report Date: 15-Jul-2015 11:30

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713.B\ 6294.D
Lab Smp Id: 3CAL04 Client Smp ID: 1001Z
Inj Date : 13-JUL-2015 11:43
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 3CAL04,,880
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713.B\V1_ S.m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 11:43 Cal File: 6294.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.143	1.144	(0.266)	561215	100.000	110
2	Chloromethane	50	1.271	1.272	(0.296)	1103289	100.000	110
$ 79	Vinyl Chloride-d3	65	1.340	1.341	(0.312)	506341	100.000	100
3	Vinyl Chloride	62	1.340	1.341	(0.312)	768648	100.000	110
4	Bromomethane	94	1.567	1.577	(0.365)	346143	100.000	110
$ 80	Chloroethane-d5	69	1.616	1.637	(0.376)	377832	100.000	100
5	Chloroethane	64	1.636	1.637	(0.381)	417274	100.000	100
6	Trichlorofluoromethane	101	1.783	1.784	(0.415)	504738	100.000	100
$ 81	1,1-Dichloroethene-d2	65	2.108	2.099	(0.491)	212900	100.000	100(Q)
7	1,1-Dichloroethene	96	2.118	2.119	(0.493)	545055	100.000	110
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.138	2.129	(0.498)	409556	100.000	110
9	Acetone	43	2.138	2.139	(0.498)	600632	200.000	220
10	Carbon Disulfide	76	2.256	2.257	(0.525)	2001587	100.000	100
11	Methyl Acetate	43	2.355	2.356	(0.548)	589044	100.000	110
12	Methylene Chloride	84	2.414	2.415	(0.562)	623394	100.000	100
13	trans-1,2-Dichloroethene	96	2.611	2.612	(0.608)	548122	100.000	110
14	Methyl tert-Butyl Ether	73	2.611	2.612	(0.608)	1270898	100.000	110
15	1,1-Dichloroethane	63	2.896	2.897	(0.674)	1071665	100.000	110
$ 82	2-Butanone-d5	46	3.281	3.281	(0.764)	763252	200.000	220
17	cis-1,2-Dichloroethene	96	3.310	3.311	(0.771)	605420	100.000	110
16	2-Butanone	43	3.320	3.321	(0.773)	863459	200.000	220

Data File: \ \organics\V1.I\150713.B\ 6294.D
Report Date: 15-Jul-2015 11:30

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
	18	Bromochloromethane	128	3.487	3.488	(0.812)	251274	100.000	110	
$	83	Chloroform-d	84	3.537	3.538	(0.823)	747804	100.000	100	
	19	Chloroform	83	3.556	3.557	(0.828)	873388	100.000	110	
	20	1,1,1-Trichloroethane	97	3.704	3.705	(0.526)	434768	100.000	100	
	21	Cyclohexane	56	3.753	3.754	(0.533)	1046558	100.000	100	
	22	Carbon Tetrachloride	117	3.832	3.833	(0.544)	395247	100.000	110	
$	23	1,2-Dichloroethane-d4	65	3.931	3.932	(0.915)	399861	100.000	110	
$	84	Benzene-d6	84	3.960	3.961	(0.562)	1887355	100.000	100	
	25	Benzene	78	3.990	3.991	(0.567)	2222456	100.000	100	
	24	1,2-Dichloroethane	62	3.990	4.000	(0.929)	565871	100.000	110	
*	26	1,4-Difluorobenzene	114	4.295	4.296	(1.000)	611505	50.0000		
	27	Trichloroethene	95	4.522	4.522	(0.642)	505209	100.000	100	
$	85	1,2-Dichloropropane-d6	67	4.630	4.631	(0.657)	624229	100.000	98	
	28	Methylcyclohexane	83	4.699	4.690	(0.667)	795334	100.000	100	
	29	1,2-Dichloropropane	63	4.699	4.700	(0.667)	688308	100.000	100	
	30	Bromodichloromethane	83	4.945	4.946	(0.702)	676545	100.000	110	
	31	cis-1,3-Dichloropropene	75	5.349	5.350	(0.759)	921964	100.000	100	
	32	4-Methyl-2-Pentanone	43	5.497	5.498	(0.780)	1477025	200.000	210	
$	33	Toluene-d8	98	5.605	5.606	(0.796)	1347818	100.000	100	
	34	Toluene	91	5.674	5.675	(0.806)	1997467	100.000	100	
$	86	trans-1,3-Dichloropropene-d4	79	5.851	5.852	(0.831)	558856	100.000	110	
	35	trans-1,3-Dichloropropene	75	5.881	5.882	(0.835)	711724	100.000	110	
	36	1,1,2-Trichloroethane	97	6.048	6.049	(0.859)	390851	100.000	100	
	37	Tetrachloroethene	164	6.206	6.207	(0.881)	308725	100.000	100	
$	87	2-Hexanone-d5	63	6.265	6.266	(0.890)	436081	200.000	230(Q)	
	38	2-Hexanone	43	6.314	6.315	(0.897)	1134406	200.000	220	
	39	Dibromochloromethane	129	6.442	6.443	(0.915)	442045	100.000	110	
	40	1,2-Dibromoethane	107	6.551	6.551	(0.930)	404832	100.000	110	
*	42	Chlorobenzene-d5	117	7.043	7.044	(1.000)	503982	50.0000		
	43	Chlorobenzene	112	7.073	7.074	(1.004)	1195610	100.000	100	
	44	Ethylbenzene	91	7.201	7.202	(1.022)	2100909	100.000	100	
	45	m,p-Xylene	106	7.329	7.330	(1.041)	798264	100.000	110	
	46	o-Xylene	106	7.752	7.753	(1.101)	748697	100.000	100	
	47	Styrene	104	7.772	7.773	(1.103)	1300334	100.000	110	
	48	Bromoform	173	7.949	7.950	(0.826)	243614	100.000	110	
	49	Isopropylbenzene	105	8.176	8.177	(1.161)	1872712	100.000	100	
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.471	8.472	(1.203)	480109	100.000	100	
	51	1,1,2,2-Tetrachloroethane	83	8.501	8.502	(1.207)	510995	100.000	100	
	52	1,3-Dichlorobenzene	146	9.555	9.546	(0.993)	800577	100.000	100	
*	78	1,4-Dichlorobenzene-d4	152	9.624	9.625	(1.000)	217046	50.0000	(Q)	
	53	1,4-Dichlorobenzene	146	9.653	9.644	(1.003)	802993	100.000	100	
$	90	1,2-Dichlorobenzene-d4	152	10.008	10.009	(1.040)	393767	100.000	98	
	54	1,2-Dichlorobenzene	146	10.028	10.028	(1.042)	744436	100.000	100	
	55	1,2-Dibromo-3-chloropropane	75	10.796	10.787	(1.122)	65549	100.000	100	
	56	1,2,4-Trichlorobenzene	180	11.564	11.565	(1.202)	448619	100.000	110	
	77	1,2,3-Trichlorobenzene	180	11.988	11.988	(1.246)	392526	100.000	110	

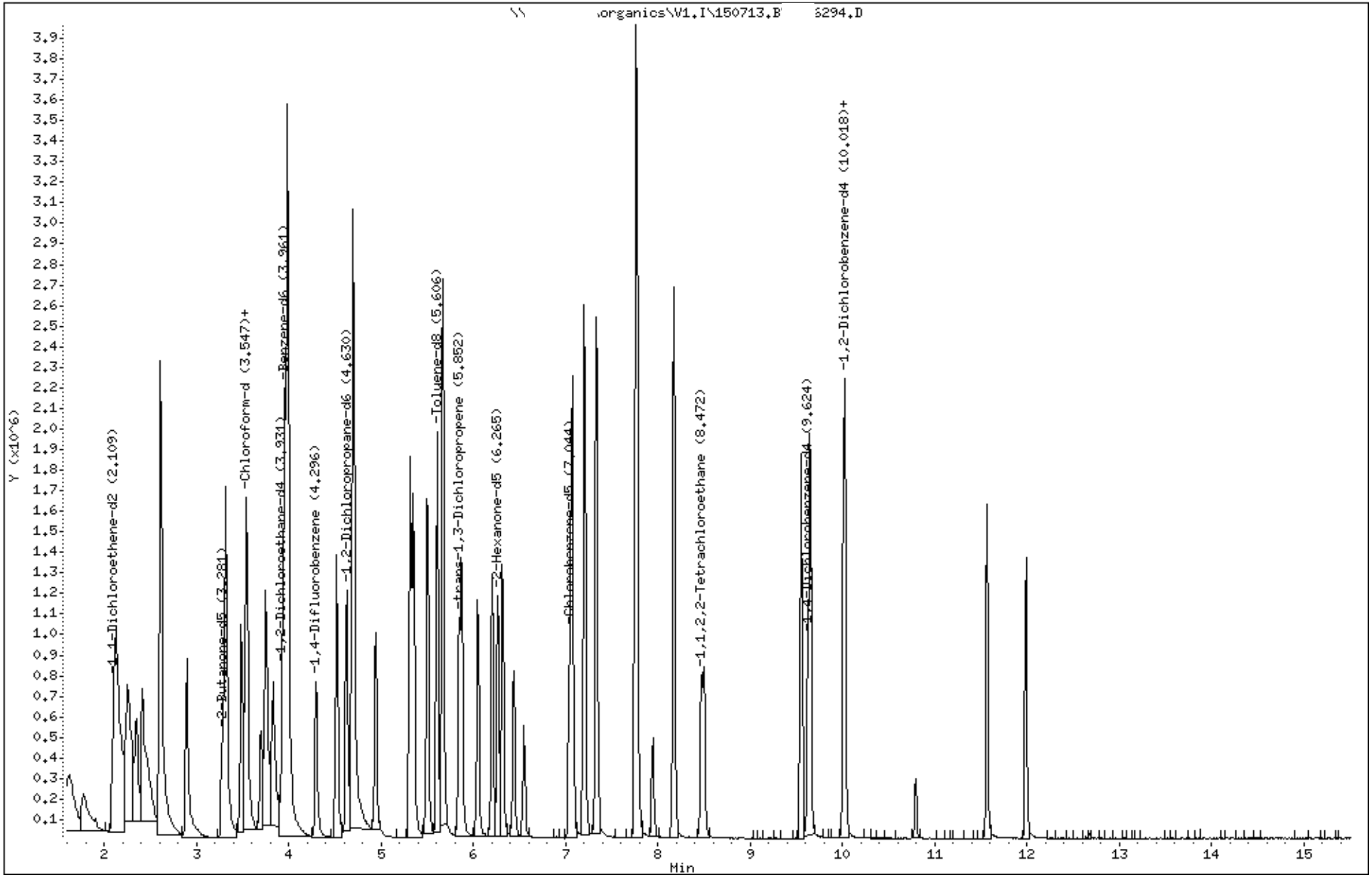
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ \organics\V1.I\150713.B\ 6294.D
Date : 13-JUL-2015 11:43
Client ID: 1001Z
Sample Info: 5G, 3CAL04,,880

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713.B\ 6295.D
Report Date: 15-Jul-2015 11:30

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713.B\ 6295.D
Lab Smp Id: 4CAL05 Client Smp ID: 2001Z
Inj Date : 13-JUL-2015 12:10
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 4CAL05,,880
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713.B\V1_ _S.m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 12:10 Cal File: 6295.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist:
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.135	1.144	(0.264)	1091426	200.000	190
2	Chloromethane	50	1.273	1.272	(0.296)	2090266	200.000	190
$ 79	Vinyl Chloride-d3	65	1.332	1.341	(0.310)	1018450	200.000	180
3	Vinyl Chloride	62	1.342	1.341	(0.312)	1485704	200.000	190
4	Bromomethane	94	1.568	1.577	(0.365)	619513	200.000	180(Q)
$ 80	Chloroethane-d5	69	1.617	1.637	(0.377)	698409	200.000	170
5	Chloroethane	64	1.627	1.637	(0.379)	739577	200.000	170
6	Trichlorofluoromethane	101	1.775	1.784	(0.413)	1007477	200.000	190
$ 81	1,1-Dichloroethene-d2	65	2.090	2.099	(0.487)	425463	200.000	190(Q)
7	1,1-Dichloroethene	96	2.100	2.119	(0.489)	1095602	200.000	190
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.130	2.129	(0.496)	831859	200.000	210(A)
9	Acetone	43	2.120	2.139	(0.493)	1104207	400.000	370
10	Carbon Disulfide	76	2.248	2.257	(0.523)	3917967	200.000	180
11	Methyl Acetate	43	2.346	2.356	(0.546)	1110007	200.000	190
12	Methylene Chloride	84	2.405	2.415	(0.560)	1187671	200.000	180
13	trans-1,2-Dichloroethene	96	2.602	2.612	(0.606)	1034027	200.000	180
14	Methyl tert-Butyl Ether	73	2.612	2.612	(0.608)	2394195	200.000	190
15	1,1-Dichloroethane	63	2.888	2.897	(0.672)	2077541	200.000	190
$ 82	2-Butanone-d5	46	3.272	3.281	(0.762)	1418903	400.000	380
17	cis-1,2-Dichloroethene	96	3.312	3.311	(0.771)	1138988	200.000	180
16	2-Butanone	43	3.312	3.321	(0.771)	1619475	400.000	370

Data File: \\ \organics\V1.I\150713.B\ 6295.D
Report Date: 15-Jul-2015 11:30

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
	18	Bromochloromethane	128	3.489	3.488	(0.812)	468560	200.000	180	
$	83	Chloroform-d	84	3.528	3.538	(0.821)	1482914	200.000	180	
	19	Chloroform	83	3.548	3.557	(0.826)	1619617	200.000	180	
	20	1,1,1-Trichloroethane	97	3.696	3.705	(0.525)	824951	200.000	180	
	21	Cyclohexane	56	3.745	3.754	(0.532)	2015477	200.000	180	
	22	Carbon Tetrachloride	117	3.824	3.833	(0.543)	776233	200.000	190	
$	23	1,2-Dichloroethane-d4	65	3.932	3.932	(0.915)	694219	200.000	170	
$	84	Benzene-d6	84	3.952	3.961	(0.561)	3681711	200.000	180	
	25	Benzene	78	3.981	3.991	(0.565)	4055534	200.000	170	
	24	1,2-Dichloroethane	62	3.991	4.000	(0.929)	1055160	200.000	180	
*	26	1,4-Difluorobenzene	114	4.297	4.296	(1.000)	673846	50.0000		
	27	Trichloroethene	95	4.513	4.522	(0.641)	961429	200.000	180	
$	85	1,2-Dichloropropane-d6	67	4.622	4.631	(0.656)	1335819	200.000	200	
	28	Methylcyclohexane	83	4.691	4.690	(0.666)	1546606	200.000	190	
	29	1,2-Dichloropropane	63	4.700	4.700	(0.667)	1288370	200.000	180	
	30	Bromodichloromethane	83	4.937	4.946	(0.701)	1292925	200.000	190	
	31	cis-1,3-Dichloropropene	75	5.350	5.350	(0.760)	1776789	200.000	190	
	32	4-Methyl-2-Pentanone	43	5.498	5.498	(0.780)	2821702	400.000	370	
$	33	Toluene-d8	98	5.607	5.606	(0.796)	2592459	200.000	180	
	34	Toluene	91	5.666	5.675	(0.804)	3642973	200.000	170	
$	86	trans-1,3-Dichloropropene-d4	79	5.843	5.852	(0.829)	1070470	200.000	190	
	35	trans-1,3-Dichloropropene	75	5.872	5.882	(0.834)	1364946	200.000	190	
	36	1,1,2-Trichloroethane	97	6.050	6.049	(0.859)	759125	200.000	180	
	37	Tetrachloroethene	164	6.207	6.207	(0.881)	590806	200.000	180	
$	87	2-Hexanone-d5	63	6.266	6.266	(0.890)	829725	400.000	400(AQ)	
	38	2-Hexanone	43	6.316	6.315	(0.897)	2129052	400.000	380	
	39	Dibromochloromethane	129	6.444	6.443	(0.915)	859145	200.000	190	
	40	1,2-Dibromoethane	107	6.552	6.551	(0.930)	772370	200.000	190	
*	42	Chlorobenzene-d5	117	7.045	7.044	(1.000)	542648	50.0000		
	43	Chlorobenzene	112	7.074	7.074	(1.004)	2269011	200.000	180	
	44	Ethylbenzene	91	7.202	7.202	(1.022)	3888491	200.000	180	
	45	m,p-Xylene	106	7.340	7.330	(1.042)	1486404	200.000	180	
	46	o-Xylene	106	7.764	7.753	(1.102)	1398475	200.000	180	
	47	Styrene	104	7.773	7.773	(1.103)	2410259	200.000	180	
	48	Bromoform	173	7.951	7.950	(0.826)	474507	200.000	190	
	49	Isopropylbenzene	105	8.177	8.177	(1.161)	3496247	200.000	180	
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.483	8.472	(1.204)	895727	200.000	180	
	51	1,1,2,2-Tetrachloroethane	83	8.502	8.502	(1.207)	963927	200.000	180	
	52	1,3-Dichlorobenzene	146	9.556	9.546	(0.993)	1531129	200.000	190	
*	78	1,4-Dichlorobenzene-d4	152	9.625	9.625	(1.000)	233229	50.0000	(Q)	
	53	1,4-Dichlorobenzene	146	9.655	9.644	(1.003)	1560746	200.000	190	
$	90	1,2-Dichlorobenzene-d4	152	10.019	10.009	(1.041)	777059	200.000	180	
	54	1,2-Dichlorobenzene	146	10.039	10.028	(1.043)	1409699	200.000	180	
	55	1,2-Dibromo-3-chloropropane	75	10.797	10.787	(1.122)	127822	200.000	190	
	56	1,2,4-Trichlorobenzene	180	11.566	11.565	(1.202)	844155	200.000	190	
	77	1,2,3-Trichlorobenzene	180	11.989	11.988	(1.246)	760288	200.000	190	

QC Flag Legend

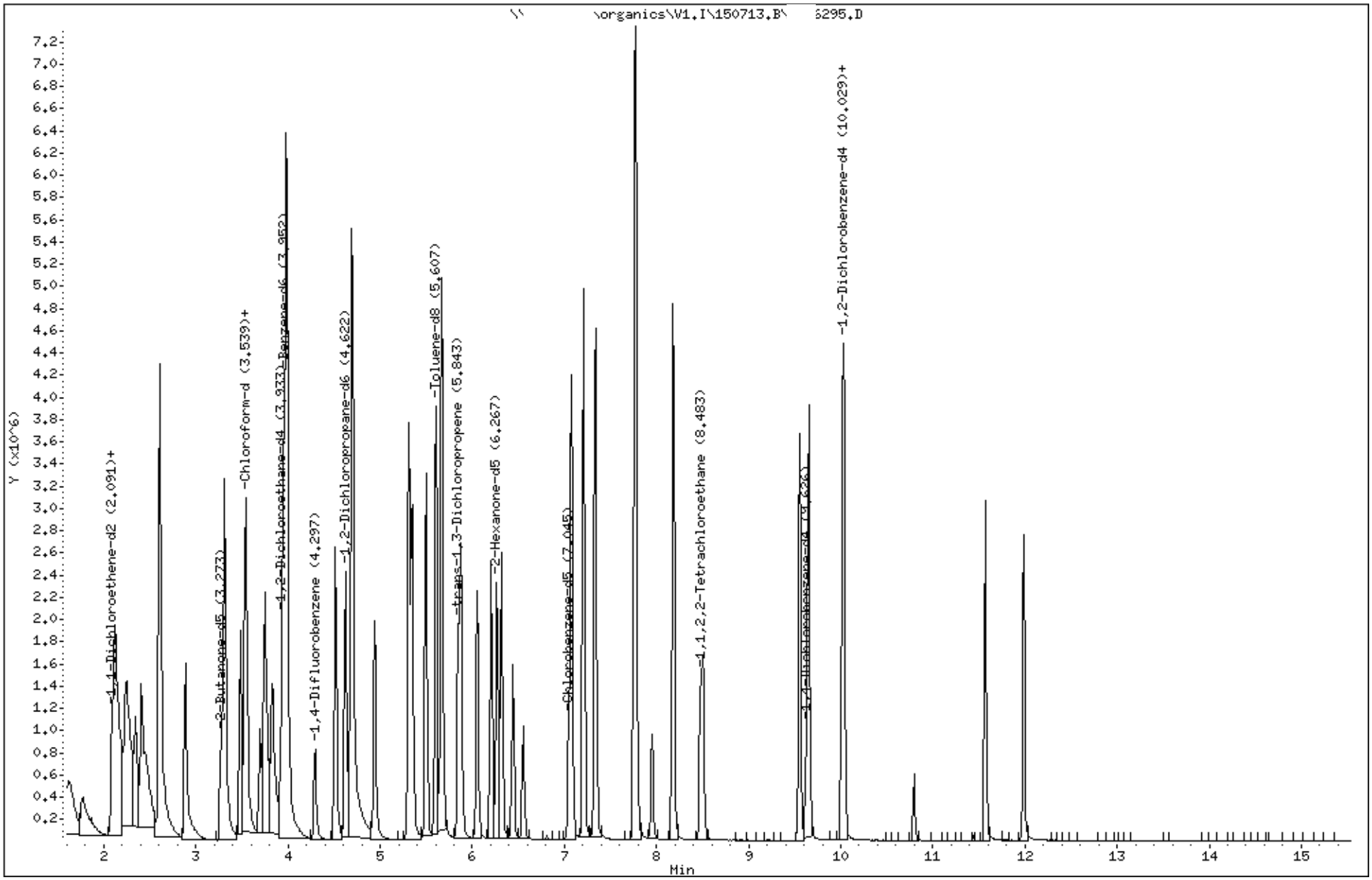
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\ _ \organics\V1.I\150713.B\ 6295.D
Date : 13-JUL-2015 12:10
Client ID: 2001Z
Sample Info: 5G, 4CAL05,,880

Instrument: V1.i

Operator: SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/15/2015 Time: 19:54
Lab File ID: 6394.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 97CCV | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.435	0.443	0.010	2.0	50.0
Chloromethane	0.832	0.893	0.010	7.4	50.0
Vinyl chloride	0.589	0.638	0.010	8.3	50.0
Bromomethane	0.258	0.302	0.010	16.8	50.0
Chloroethane	0.328	0.350	0.010	6.6	50.0
Trichlorofluoromethane	0.398	0.421	0.010	5.9	50.0
1,1-Dichloroethene	0.422	0.454	0.060	7.7	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.298	0.339	0.050	13.8	50.0
Acetone	0.223	0.148	0.010	-33.8	50.0
Carbon disulfide	1.589	1.657	0.100	4.3	25.0
Methyl Acetate	0.435	0.478	0.010	9.7	50.0
Methylene chloride	0.494	0.518	0.010	4.9	50.0
trans-1,2-Dichloroethene	0.422	0.433	0.100	2.5	25.0
tert-Butyl Methyl Ether	0.957	1.019	0.100	6.5	50.0
1,1-Dichloroethane	0.825	0.868	0.300	5.2	25.0
cis-1,2-Dichloroethene	0.463	0.498	0.200	7.5	25.0
2-Butanone	0.324	0.294	0.010	-9.0	50.0
Chloroform	0.663	0.702	0.300	5.9	25.0
1,1,1-Trichloroethane	0.416	0.419	0.050	0.8	25.0
Cyclohexane	1.029	1.022	0.010	-0.7	50.0
Carbon tetrachloride	0.372	0.396	0.100	6.5	25.0
Benzene	2.138	2.163	0.200	1.2	25.0
1,2-Dichloroethane	0.425	0.451	0.070	6.1	25.0
Trichloroethene	0.491	0.484	0.200	-1.4	25.0
Methyl Cyclohexane	0.768	0.800	0.050	4.2	50.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/15/2015 Time: 19:54
Lab File ID: 6394.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 97CCV | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.663	0.671	0.200	1.2	25.0
Bromodichloromethane	0.630	0.643	0.300	2.0	25.0
cis-1,3-Dichloropropene	0.872	0.884	0.300	1.5	25.0
4-Methyl-2-pentanone	0.712	0.716	0.030	0.6	50.0
Toluene	1.921	1.958	0.300	1.9	25.0
trans-1,3-Dichloropropene	0.648	0.664	0.200	2.4	25.0
1,1,2-Trichloroethane	0.380	0.390	0.200	2.6	25.0
Tetrachloroethene	0.306	0.318	0.100	4.1	25.0
2-Hexanone	0.522	0.476	0.010	-8.7	50.0
Dibromochloromethane	0.411	0.395	0.200	-3.9	25.0
1,2-Dibromoethane(EDB)	0.379	0.386	0.200	1.8	25.0
Chlorobenzene	1.136	1.160	0.400	2.1	25.0
Ethylbenzene	2.041	2.068	0.400	1.3	25.0
o-Xylene	0.716	0.745	0.200	4.0	25.0
m,p-Xylene	0.745	0.777	0.200	4.3	25.0
Styrene	1.218	1.275	0.200	4.7	25.0
Bromoform	0.525	0.534	0.100	1.7	50.0
Isopropylbenzene (Cumene)	1.799	1.832	0.400	1.8	25.0
1,1,2,2-Tetrachloroethane	0.495	0.515	0.200	4.1	25.0
1,3-Dichlorobenzene	1.767	1.830	0.500	3.5	25.0
1,4-Dichlorobenzene	1.808	1.881	0.600	4.1	25.0
1,2-Dichlorobenzene	1.650	1.741	0.600	5.5	25.0
1,2-Dibromo-3-chloropropane	0.148	0.147	0.010	-0.8	50.0
1,2,4-Trichlorobenzene	0.969	0.969	0.400	0.0	50.0
Bromochloromethane	0.189	0.200	0.100	5.9	25.0
1,2,3-Trichlorobenzene	0.857	0.876	0.400	2.2	50.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 54
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/15/2015 Time: 19:54
Lab File ID: 6394.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 97CCV | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.412	0.418	0.010	1.4	50.0
Chloroethane-d5	0.306	0.324	0.010	6.0	50.0
1,1-Dichloroethene-d2	0.171	0.176	0.050	3.1	25.0
2-Butanone-d5	0.280	0.257	0.010	-8.4	50.0
Chloroform-d	0.598	0.622	0.300	3.9	25.0
1,2-Dichloroethane-d4	0.305	0.283	0.060	-7.2	25.0
Benzene-d6	1.879	1.890	0.300	0.6	25.0
1,2-Dichloropropane-d6	0.630	0.598	0.200	-5.0	25.0
Toluene-d8	1.334	1.347	0.300	1.0	25.0
trans-1,3-Dichloropropene-d4	0.515	0.499	0.200	-3.1	25.0
2-Hexanone-d5	0.191	0.180	0.010	-5.6	50.0
1,1,2,2-Tetrachloroethane-d2	0.460	0.449	0.200	-2.4	25.0
1,2-Dichlorobenzene-d4	0.921	0.911	0.400	-1.1	25.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/13/2015 Time: 13:03
Lab File ID: 6296.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 0501A | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.435	0.360	0.010	-17.2	40.0
Chloromethane	0.832	0.830	0.010	-0.2	30.0
Vinyl chloride	0.589	0.580	0.010	-1.6	25.0
Bromomethane	0.258	0.291	0.010	12.5	30.0
Chloroethane	0.328	0.321	0.010	-2.1	25.0
Trichlorofluoromethane	0.398	0.384	0.010	-3.5	30.0
1,1-Dichloroethene	0.422	0.423	0.060	0.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.298	0.261	0.050	-12.3	25.0
Acetone	0.223	0.169	0.010	-24.4	40.0
Carbon disulfide	1.589	1.539	0.100	-3.2	25.0
Methyl Acetate	0.435	0.479	0.010	10.0	40.0
Methylene chloride	0.494	0.479	0.010	-3.0	30.0
trans-1,2-Dichloroethene	0.422	0.400	0.100	-5.3	20.0
tert-Butyl Methyl Ether	0.957	0.992	0.100	3.7	25.0
1,1-Dichloroethane	0.825	0.828	0.300	0.4	20.0
cis-1,2-Dichloroethene	0.463	0.450	0.200	-2.8	20.0
2-Butanone	0.324	0.297	0.010	-8.3	40.0
Chloroform	0.663	0.660	0.300	-0.4	20.0
1,1,1-Trichloroethane	0.416	0.406	0.050	-2.2	25.0
Cyclohexane	1.029	0.898	0.010	-12.8	25.0
Carbon tetrachloride	0.372	0.367	0.100	-1.2	25.0
Benzene	2.138	2.111	0.200	-1.3	20.0
1,2-Dichloroethane	0.425	0.451	0.070	6.1	20.0
Trichloroethene	0.491	0.462	0.200	-5.8	20.0
Methyl Cyclohexane	0.768	0.669	0.050	-12.9	25.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 54
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/13/2015 Time: 13:03
Lab File ID: 296.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 0501A | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.663	0.659	0.200	-0.5	20.0
Bromodichloromethane	0.630	0.638	0.300	1.1	20.0
cis-1,3-Dichloropropene	0.872	0.867	0.300	-0.5	20.0
4-Methyl-2-pentanone	0.712	0.734	0.030	3.2	30.0
Toluene	1.921	1.884	0.300	-1.9	20.0
trans-1,3-Dichloropropene	0.648	0.661	0.200	2.0	20.0
1,1,2-Trichloroethane	0.380	0.378	0.200	-0.3	20.0
Tetrachloroethene	0.306	0.284	0.100	-7.1	20.0
2-Hexanone	0.522	0.519	0.010	-0.5	40.0
Dibromochloromethane	0.411	0.429	0.200	4.4	20.0
1,2-Dibromoethane(EDB)	0.379	0.385	0.200	1.4	20.0
Chlorobenzene	1.136	1.119	0.400	-1.5	20.0
Ethylbenzene	2.041	1.976	0.400	-3.2	20.0
o-Xylene	0.716	0.689	0.200	-3.8	20.0
m,p-Xylene	0.745	0.727	0.200	-2.5	20.0
Styrene	1.218	1.227	0.200	0.8	20.0
Bromoform	0.525	0.527	0.100	0.3	25.0
Isopropylbenzene (Cumene)	1.799	1.756	0.400	-2.4	25.0
1,1,2,2-Tetrachloroethane	0.495	0.506	0.200	2.2	25.0
1,3-Dichlorobenzene	1.767	1.769	0.500	0.1	20.0
1,4-Dichlorobenzene	1.808	1.798	0.600	-0.5	20.0
1,2-Dichlorobenzene	1.650	1.652	0.600	0.1	20.0
1,2-Dibromo-3-chloropropane	0.148	0.154	0.010	4.4	30.0
1,2,4-Trichlorobenzene	0.969	0.966	0.400	-0.3	30.0
Bromochloromethane	0.189	0.189	0.100	0.1	20.0
1,2,3-Trichlorobenzene	0.857	0.868	0.400	1.3	30.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/13/2015 Time: 13:03
Lab File ID: 6296.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 501A | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.412	0.430	0.010	4.4	30.0
Chloroethane-d5	0.306	0.334	0.010	9.1	30.0
1,1-Dichloroethene-d2	0.171	0.187	0.050	9.4	25.0
2-Butanone-d5	0.280	0.278	0.010	-0.9	40.0
Chloroform-d	0.598	0.649	0.300	8.5	20.0
1,2-Dichloroethane-d4	0.305	0.306	0.060	0.5	25.0
Benzene-d6	1.879	1.990	0.300	5.9	20.0
1,2-Dichloropropane-d6	0.630	0.699	0.200	10.9	20.0
Toluene-d8	1.334	1.409	0.300	5.6	20.0
trans-1,3-Dichloropropene-d4	0.515	0.553	0.200	7.6	20.0
2-Hexanone-d5	0.191	0.194	0.010	1.5	40.0
1,1,2,2-Tetrachloroethane-d2	0.460	0.472	0.200	2.5	25.0
1,2-Dichlorobenzene-d4	0.921	0.950	0.400	3.2	20.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/13/2015 Time: 23:36
Lab File ID: 6316.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 0501B | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.435	0.321	0.010	-26.0	40.0
Chloromethane	0.832	0.817	0.010	-1.8	30.0
Vinyl chloride	0.589	0.556	0.010	-5.6	25.0
Bromomethane	0.258	0.297	0.010	14.9	30.0
Chloroethane	0.328	0.323	0.010	-1.5	25.0
Trichlorofluoromethane	0.398	0.342	0.010	-14.0	30.0
1,1-Dichloroethene	0.422	0.399	0.060	-5.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.298	0.244	0.050	-18.1	25.0
Acetone	0.223	0.143	0.010	-36.0	40.0
Carbon disulfide	1.589	1.474	0.100	-7.2	25.0
Methyl Acetate	0.435	0.442	0.010	1.5	40.0
Methylene chloride	0.494	0.477	0.010	-3.4	30.0
trans-1,2-Dichloroethene	0.422	0.415	0.100	-1.8	20.0
tert-Butyl Methyl Ether	0.957	0.957	0.100	0.1	25.0
1,1-Dichloroethane	0.825	0.819	0.300	-0.7	20.0
cis-1,2-Dichloroethene	0.463	0.465	0.200	0.5	20.0
2-Butanone	0.324	0.263	0.010	-18.7	40.0
Chloroform	0.663	0.672	0.300	1.3	20.0
1,1,1-Trichloroethane	0.416	0.394	0.050	-5.3	25.0
Cyclohexane	1.029	0.792	0.010	-23.0	25.0
Carbon tetrachloride	0.372	0.345	0.100	-7.1	25.0
Benzene	2.138	2.130	0.200	-0.4	20.0
1,2-Dichloroethane	0.425	0.434	0.070	2.2	20.0
Trichloroethene	0.491	0.458	0.200	-6.7	20.0
Methyl Cyclohexane	0.768	0.610	0.050	-20.6	25.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/13/2015 Time: 23:36
Lab File ID: 6316.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 0501B | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.663	0.652	0.200	-1.6	20.0
Bromodichloromethane	0.630	0.616	0.300	-2.2	20.0
cis-1,3-Dichloropropene	0.872	0.849	0.300	-2.6	20.0
4-Methyl-2-pentanone	0.712	0.702	0.030	-1.3	30.0
Toluene	1.921	1.892	0.300	-1.5	20.0
trans-1,3-Dichloropropene	0.648	0.627	0.200	-3.3	20.0
1,1,2-Trichloroethane	0.380	0.381	0.200	0.3	20.0
Tetrachloroethene	0.306	0.276	0.100	-9.6	20.0
2-Hexanone	0.522	0.473	0.010	-9.4	40.0
Dibromochloromethane	0.411	0.421	0.200	2.3	20.0
1,2-Dibromoethane(EDB)	0.379	0.379	0.200	0.0	20.0
Chlorobenzene	1.136	1.127	0.400	-0.8	20.0
Ethylbenzene	2.041	1.967	0.400	-3.7	20.0
o-Xylene	0.716	0.707	0.200	-1.3	20.0
m,p-Xylene	0.745	0.735	0.200	-1.4	20.0
Styrene	1.218	1.253	0.200	2.9	20.0
Bromoform	0.525	0.522	0.100	-0.6	25.0
Isopropylbenzene (Cumene)	1.799	1.729	0.400	-3.9	25.0
1,1,2,2-Tetrachloroethane	0.495	0.504	0.200	1.7	25.0
1,3-Dichlorobenzene	1.767	1.735	0.500	-1.8	20.0
1,4-Dichlorobenzene	1.808	1.766	0.600	-2.3	20.0
1,2-Dichlorobenzene	1.650	1.630	0.600	-1.3	20.0
1,2-Dibromo-3-chloropropane	0.148	0.146	0.010	-1.5	30.0
1,2,4-Trichlorobenzene	0.969	1.013	0.400	4.5	30.0
Bromochloromethane	0.189	0.188	0.100	-0.3	20.0
1,2,3-Trichlorobenzene	0.857	0.847	0.400	-1.1	30.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Contract:

Lab Code : Case No.: MA No.: SDG No.: 954

Analytical Method: VOA Level: LOW

Instrument ID V1 Date Analyzed: 07/13/2015 Time: 23:36

Lab File ID: 6316.D Init. Calib. Date(s) 07/13/2015 07/13/2015

EPA Sample No. 0501B Init. Calib. Time(s) 10:24 12:10

GC Column: DB-624 ID: 0.25 (mm) Length: 30

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.412	0.420	0.010	1.9	30.0
Chloroethane-d5	0.306	0.326	0.010	6.5	30.0
1,1-Dichloroethene-d2	0.171	0.176	0.050	2.9	25.0
2-Butanone-d5	0.280	0.268	0.010	-4.2	40.0
Chloroform-d	0.598	0.657	0.300	9.9	20.0
1,2-Dichloroethane-d4	0.305	0.325	0.060	6.7	25.0
Benzene-d6	1.879	1.989	0.300	5.9	20.0
1,2-Dichloropropane-d6	0.630	0.648	0.200	2.9	20.0
Toluene-d8	1.334	1.404	0.300	5.3	20.0
trans-1,3-Dichloropropene-d4	0.515	0.519	0.200	0.8	20.0
2-Hexanone-d5	0.191	0.188	0.010	-1.8	40.0
1,1,2,2-Tetrachloroethane-d2	0.460	0.469	0.200	1.9	25.0
1,2-Dichlorobenzene-d4	0.921	0.942	0.400	2.3	20.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Contract:

Lab Code : Case No.: MA No.: SDG No.: 954

Analytical Method: VOA Level: LOW

Instrument ID V1 Date Analyzed: 07/14/2015 Time: 09:43

Lab File ID: 6330.D Init. Calib. Date(s) 07/13/2015 07/13/2015

EPA Sample No. 0501C Init. Calib. Time(s) 10:24 12:10

GC Column: DB-624 ID: 0.25 (mm) Length: 30

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{\text{RRF}}$	RRF 050	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.435	0.316	0.010	-27.3	50.0
Chloromethane	0.832	0.789	0.010	-5.1	50.0
Vinyl chloride	0.589	0.540	0.010	-8.3	50.0
Bromomethane	0.258	0.281	0.010	9.0	50.0
Chloroethane	0.328	0.304	0.010	-7.3	50.0
Trichlorofluoromethane	0.398	0.327	0.010	-17.8	50.0
1,1-Dichloroethene	0.422	0.393	0.060	-6.9	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.298	0.236	0.050	-20.8	50.0
Acetone	0.223	0.146	0.010	-34.5	50.0
Carbon disulfide	1.589	1.440	0.100	-9.4	25.0
Methyl Acetate	0.435	0.439	0.010	0.8	50.0
Methylene chloride	0.494	0.478	0.010	-3.2	50.0
trans-1,2-Dichloroethene	0.422	0.404	0.100	-4.2	25.0
tert-Butyl Methyl Ether	0.957	0.951	0.100	-0.6	50.0
1,1-Dichloroethane	0.825	0.813	0.300	-1.4	25.0
cis-1,2-Dichloroethene	0.463	0.468	0.200	1.1	25.0
2-Butanone	0.324	0.273	0.010	-15.6	50.0
Chloroform	0.663	0.660	0.300	-0.5	25.0
1,1,1-Trichloroethane	0.416	0.378	0.050	-9.2	25.0
Cyclohexane	1.029	0.763	0.010	-25.9	50.0
Carbon tetrachloride	0.372	0.325	0.100	-12.6	25.0
Benzene	2.138	2.060	0.200	-3.7	25.0
1,2-Dichloroethane	0.425	0.432	0.070	1.6	25.0
Trichloroethene	0.491	0.440	0.200	-10.4	25.0
Methyl Cyclohexane	0.768	0.583	0.050	-24.1	50.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/14/2015 Time: 09:43
Lab File ID: 6330.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 0501C | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.663	0.647	0.200	-2.4	25.0
Bromodichloromethane	0.630	0.614	0.300	-2.6	25.0
cis-1,3-Dichloropropene	0.872	0.791	0.300	-9.3	25.0
4-Methyl-2-pentanone	0.712	0.683	0.030	-4.0	50.0
Toluene	1.921	1.804	0.300	-6.1	25.0
trans-1,3-Dichloropropene	0.648	0.584	0.200	-9.9	25.0
1,1,2-Trichloroethane	0.380	0.372	0.200	-2.0	25.0
Tetrachloroethene	0.306	0.260	0.100	-14.9	25.0
2-Hexanone	0.522	0.445	0.010	-14.7	50.0
Dibromochloromethane	0.411	0.421	0.200	2.4	25.0
1,2-Dibromoethane(EDB)	0.379	0.371	0.200	-2.2	25.0
Chlorobenzene	1.136	1.091	0.400	-4.0	25.0
Ethylbenzene	2.041	1.875	0.400	-8.1	25.0
o-Xylene	0.716	0.686	0.200	-4.2	25.0
m,p-Xylene	0.745	0.690	0.200	-7.4	25.0
Styrene	1.218	1.208	0.200	-0.8	25.0
Bromoform	0.525	0.567	0.100	7.9	50.0
Isopropylbenzene (Cumene)	1.799	1.642	0.400	-8.7	25.0
1,1,2,2-Tetrachloroethane	0.495	0.482	0.200	-2.6	25.0
1,3-Dichlorobenzene	1.767	1.758	0.500	-0.5	25.0
1,4-Dichlorobenzene	1.808	1.758	0.600	-2.8	25.0
1,2-Dichlorobenzene	1.650	1.676	0.600	1.5	25.0
1,2-Dibromo-3-chloropropane	0.148	0.156	0.010	5.8	50.0
1,2,4-Trichlorobenzene	0.969	0.916	0.400	-5.5	50.0
Bromochloromethane	0.189	0.194	0.100	2.4	25.0
1,2,3-Trichlorobenzene	0.857	0.870	0.400	1.5	50.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Contract:

Lab Code : Case No.: MA No.: SDG No.: 954

Analytical Method: VOA Level: LOW

Instrument ID V1 Date Analyzed: 07/14/2015 Time: 09:43

Lab File ID: 6330.D Init. Calib. Date(s) 07/13/2015 07/13/2015

EPA Sample No. 0501C Init. Calib. Time(s) 10:24 12:10

GC Column: DB-624 ID: 0.25 (mm) Length: 30

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.412	0.402	0.010	-2.4	50.0
Chloroethane-d5	0.306	0.320	0.010	4.4	50.0
1,1-Dichloroethene-d2	0.171	0.152	0.050	-10.6	25.0
2-Butanone-d5	0.280	0.265	0.010	-5.5	50.0
Chloroform-d	0.598	0.665	0.300	11.2	25.0
1,2-Dichloroethane-d4	0.305	0.342	0.060	12.3	25.0
Benzene-d6	1.879	1.982	0.300	5.5	25.0
1,2-Dichloropropane-d6	0.630	0.683	0.200	8.5	25.0
Toluene-d8	1.334	1.396	0.300	4.7	25.0
trans-1,3-Dichloropropene-d4	0.515	0.487	0.200	-5.3	25.0
2-Hexanone-d5	0.191	0.180	0.010	-5.9	50.0
1,1,2,2-Tetrachloroethane-d2	0.460	0.457	0.200	-0.6	25.0
1,2-Dichlorobenzene-d4	0.921	0.982	0.400	6.7	25.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/15/2015 Time: 09:46
Lab File ID: 6372.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 0501E | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.435	0.432	0.010	-0.6	40.0
Chloromethane	0.832	0.844	0.010	1.4	30.0
Vinyl chloride	0.589	0.624	0.010	5.9	25.0
Bromomethane	0.258	0.223	0.010	-13.8	30.0
Chloroethane	0.328	0.320	0.010	-2.3	25.0
Trichlorofluoromethane	0.398	0.407	0.010	2.3	30.0
1,1-Dichloroethene	0.422	0.433	0.060	2.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.298	0.332	0.050	11.4	25.0
Acetone	0.223	0.176	0.010	-21.1	40.0
Carbon disulfide	1.589	1.571	0.100	-1.1	25.0
Methyl Acetate	0.435	0.401	0.010	-7.8	40.0
Methylene chloride	0.494	0.454	0.010	-8.2	30.0
trans-1,2-Dichloroethene	0.422	0.404	0.100	-4.2	20.0
tert-Butyl Methyl Ether	0.957	0.907	0.100	-5.2	25.0
1,1-Dichloroethane	0.825	0.805	0.300	-2.3	20.0
cis-1,2-Dichloroethene	0.463	0.450	0.200	-2.8	20.0
2-Butanone	0.324	0.282	0.010	-12.9	40.0
Chloroform	0.663	0.649	0.300	-2.2	20.0
1,1,1-Trichloroethane	0.416	0.401	0.050	-3.5	25.0
Cyclohexane	1.029	1.027	0.010	-0.2	25.0
Carbon tetrachloride	0.372	0.382	0.100	2.8	25.0
Benzene	2.138	2.052	0.200	-4.0	20.0
1,2-Dichloroethane	0.425	0.418	0.070	-1.5	20.0
Trichloroethene	0.491	0.462	0.200	-5.8	20.0
Methyl Cyclohexane	0.768	0.780	0.050	1.5	25.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/15/2015 Time: 09:46
Lab File ID: 6372.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 0501E | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.663	0.620	0.200	-6.4	20.0
Bromodichloromethane	0.630	0.609	0.300	-3.4	20.0
cis-1,3-Dichloropropene	0.872	0.835	0.300	-4.2	20.0
4-Methyl-2-pentanone	0.712	0.638	0.030	-10.3	30.0
Toluene	1.921	1.869	0.300	-2.7	20.0
trans-1,3-Dichloropropene	0.648	0.629	0.200	-3.0	20.0
1,1,2-Trichloroethane	0.380	0.359	0.200	-5.4	20.0
Tetrachloroethene	0.306	0.288	0.100	-5.8	20.0
2-Hexanone	0.522	0.447	0.010	-14.4	40.0
Dibromochloromethane	0.411	0.392	0.200	-4.5	20.0
1,2-Dibromoethane(EDB)	0.379	0.351	0.200	-7.4	20.0
Chlorobenzene	1.136	1.101	0.400	-3.1	20.0
Ethylbenzene	2.041	1.978	0.400	-3.1	20.0
o-Xylene	0.716	0.683	0.200	-4.6	20.0
m,p-Xylene	0.745	0.710	0.200	-4.7	20.0
Styrene	1.218	1.211	0.200	-0.6	20.0
Bromoform	0.525	0.493	0.100	-6.2	25.0
Isopropylbenzene (Cumene)	1.799	1.746	0.400	-3.0	25.0
1,1,2,2-Tetrachloroethane	0.495	0.455	0.200	-8.2	25.0
1,3-Dichlorobenzene	1.767	1.709	0.500	-3.3	20.0
1,4-Dichlorobenzene	1.808	1.730	0.600	-4.3	20.0
1,2-Dichlorobenzene	1.650	1.558	0.600	-5.6	20.0
1,2-Dibromo-3-chloropropane	0.148	0.132	0.010	-10.6	30.0
1,2,4-Trichlorobenzene	0.969	0.909	0.400	-6.2	30.0
Bromochloromethane	0.189	0.181	0.100	-4.2	20.0
1,2,3-Trichlorobenzene	0.857	0.808	0.400	-5.7	30.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Contract:

Lab Code : Case No.: MA No.: SDG No.: 954

Analytical Method: VOA Level: LOW

Instrument ID V1 Date Analyzed: 07/15/2015 Time: 09:46

Lab File ID: 6372.D Init. Calib. Date(s) 07/13/2015 07/13/2015

EPA Sample No. 0501E Init. Calib. Time(s) 10:24 12:10

GC Column: DB-624 ID: 0.25 (mm) Length: 30

Heated Purge: (Y/N) Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.412	0.409	0.010	-0.6	30.0
Chloroethane-d5	0.306	0.311	0.010	1.7	30.0
1,1-Dichloroethene-d2	0.171	0.169	0.050	-1.0	25.0
2-Butanone-d5	0.280	0.246	0.010	-12.3	40.0
Chloroform-d	0.598	0.585	0.300	-2.1	20.0
1,2-Dichloroethane-d4	0.305	0.299	0.060	-1.8	25.0
Benzene-d6	1.879	1.823	0.300	-3.0	20.0
1,2-Dichloropropane-d6	0.630	0.586	0.200	-7.1	20.0
Toluene-d8	1.334	1.300	0.300	-2.5	20.0
trans-1,3-Dichloropropene-d4	0.515	0.498	0.200	-3.2	20.0
2-Hexanone-d5	0.191	0.169	0.010	-11.6	40.0
1,1,2,2-Tetrachloroethane-d2	0.460	0.419	0.200	-9.0	25.0
1,2-Dichlorobenzene-d4	0.921	0.878	0.400	-4.7	20.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/15/2015 Time: 19:54
Lab File ID: 6394.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 0501F | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.435	0.443	0.010	2.0	50.0
Chloromethane	0.832	0.893	0.010	7.4	50.0
Vinyl chloride	0.589	0.638	0.010	8.3	50.0
Bromomethane	0.258	0.302	0.010	16.8	50.0
Chloroethane	0.328	0.350	0.010	6.6	50.0
Trichlorofluoromethane	0.398	0.421	0.010	5.9	50.0
1,1-Dichloroethene	0.422	0.454	0.060	7.7	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.298	0.339	0.050	13.8	50.0
Acetone	0.223	0.148	0.010	-33.8	50.0
Carbon disulfide	1.589	1.657	0.100	4.3	25.0
Methyl Acetate	0.435	0.478	0.010	9.7	50.0
Methylene chloride	0.494	0.518	0.010	4.9	50.0
trans-1,2-Dichloroethene	0.422	0.433	0.100	2.5	25.0
tert-Butyl Methyl Ether	0.957	1.019	0.100	6.5	50.0
1,1-Dichloroethane	0.825	0.868	0.300	5.2	25.0
cis-1,2-Dichloroethene	0.463	0.498	0.200	7.5	25.0
2-Butanone	0.324	0.294	0.010	-9.0	50.0
Chloroform	0.663	0.702	0.300	5.9	25.0
1,1,1-Trichloroethane	0.416	0.419	0.050	0.8	25.0
Cyclohexane	1.029	1.022	0.010	-0.7	50.0
Carbon tetrachloride	0.372	0.396	0.100	6.5	25.0
Benzene	2.138	2.163	0.200	1.2	25.0
1,2-Dichloroethane	0.425	0.451	0.070	6.1	25.0
Trichloroethene	0.491	0.484	0.200	-1.4	25.0
Methyl Cyclohexane	0.768	0.800	0.050	4.2	50.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/15/2015 Time: 19:54
Lab File ID: 6394.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 0501F | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.663	0.671	0.200	1.2	25.0
Bromodichloromethane	0.630	0.643	0.300	2.0	25.0
cis-1,3-Dichloropropene	0.872	0.884	0.300	1.5	25.0
4-Methyl-2-pentanone	0.712	0.716	0.030	0.6	50.0
Toluene	1.921	1.958	0.300	1.9	25.0
trans-1,3-Dichloropropene	0.648	0.664	0.200	2.4	25.0
1,1,2-Trichloroethane	0.380	0.390	0.200	2.6	25.0
Tetrachloroethene	0.306	0.318	0.100	4.1	25.0
2-Hexanone	0.522	0.476	0.010	-8.7	50.0
Dibromochloromethane	0.411	0.395	0.200	-3.9	25.0
1,2-Dibromoethane(EDB)	0.379	0.386	0.200	1.8	25.0
Chlorobenzene	1.136	1.160	0.400	2.1	25.0
Ethylbenzene	2.041	2.068	0.400	1.3	25.0
o-Xylene	0.716	0.745	0.200	4.0	25.0
m,p-Xylene	0.745	0.777	0.200	4.3	25.0
Styrene	1.218	1.275	0.200	4.7	25.0
Bromoform	0.525	0.534	0.100	1.7	50.0
Isopropylbenzene (Cumene)	1.799	1.832	0.400	1.8	25.0
1,1,2,2-Tetrachloroethane	0.495	0.515	0.200	4.1	25.0
1,3-Dichlorobenzene	1.767	1.830	0.500	3.5	25.0
1,4-Dichlorobenzene	1.808	1.881	0.600	4.1	25.0
1,2-Dichlorobenzene	1.650	1.741	0.600	5.5	25.0
1,2-Dibromo-3-chloropropane	0.148	0.147	0.010	-0.8	50.0
1,2,4-Trichlorobenzene	0.969	0.969	0.400	0.0	50.0
Bromochloromethane	0.189	0.200	0.100	5.9	25.0
1,2,3-Trichlorobenzene	0.857	0.876	0.400	2.2	50.0

FORM 7A-OR
CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Instrument ID V1 | Date Analyzed: 07/15/2015 Time: 19:54
Lab File ID: 6394.D | Init. Calib. Date(s) 07/13/2015 07/13/2015
EPA Sample No. 0501F | Init. Calib. Time(s) 10:24 12:10
GC Column: DB-624 ID: 0.25 (mm) | Length: 30
Heated Purge: (Y/N) | Purge Volume: (mL)

ANALYTE	$\overline{RRF}$	RRF 050	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.412	0.418	0.010	1.4	50.0
Chloroethane-d5	0.306	0.324	0.010	6.0	50.0
1,1-Dichloroethene-d2	0.171	0.176	0.050	3.1	25.0
2-Butanone-d5	0.280	0.257	0.010	-8.4	50.0
Chloroform-d	0.598	0.622	0.300	3.9	25.0
1,2-Dichloroethane-d4	0.305	0.283	0.060	-7.2	25.0
Benzene-d6	1.879	1.890	0.300	0.6	25.0
1,2-Dichloropropane-d6	0.630	0.598	0.200	-5.0	25.0
Toluene-d8	1.334	1.347	0.300	1.0	25.0
trans-1,3-Dichloropropene-d4	0.515	0.499	0.200	-3.1	25.0
2-Hexanone-d5	0.191	0.180	0.010	-5.6	50.0
1,1,2,2-Tetrachloroethane-d2	0.460	0.449	0.200	-2.4	25.0
1,2-Dichlorobenzene-d4	0.921	0.911	0.400	-1.1	25.0

Data File: \\ \organics\V1.I\150713A.B\ 6296.D
Report Date: 15-Jul-2015 11:30

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713A.B\ 6296.D
Lab Smp Id: 7CCV Client Smp ID: 0501A
Inj Date : 13-JUL-2015 13:03
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 7CCV,,881
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713A.B\V1_ _S.m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.137	1.138	(0.265)	209614	50.0000	41
2	Chloromethane	50	1.265	1.276	(0.294)	483443	50.0000	50
$ 79	Vinyl Chloride-d3	65	1.344	1.345	(0.313)	250501	50.0000	52
3	Vinyl Chloride	62	1.344	1.335	(0.313)	337544	50.0000	49
4	Bromomethane	94	1.570	1.582	(0.365)	169204	50.0000	56
$ 80	Chloroethane-d5	69	1.619	1.621	(0.377)	194472	50.0000	55
5	Chloroethane	64	1.639	1.650	(0.381)	186962	50.0000	49
6	Trichlorofluoromethane	101	1.787	1.779	(0.416)	223458	50.0000	48
$ 81	1,1-Dichloroethene-d2	65	2.102	2.104	(0.489)	108666	50.0000	55(Q)
7	1,1-Dichloroethene	96	2.112	2.113	(0.491)	246399	50.0000	50(Q)
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.141	2.133	(0.498)	152167	50.0000	44
9	Acetone	43	2.132	2.133	(0.496)	196397	100.000	76
10	Carbon Disulfide	76	2.260	2.261	(0.526)	896094	50.0000	48
11	Methyl Acetate	43	2.348	2.360	(0.546)	278855	50.0000	55
12	Methylene Chloride	84	2.417	2.419	(0.562)	279200	50.0000	49
13	trans-1,2-Dichloroethene	96	2.614	2.616	(0.608)	232808	50.0000	47
14	Methyl tert-Butyl Ether	73	2.614	2.616	(0.608)	577706	50.0000	52
15	1,1-Dichloroethane	63	2.890	2.901	(0.672)	482392	50.0000	50
$ 82	2-Butanone-d5	46	3.274	3.285	(0.762)	323500	100.000	99
17	cis-1,2-Dichloroethene	96	3.314	3.325	(0.771)	262019	50.0000	49
16	2-Butanone	43	3.323	3.325	(0.773)	345589	100.000	92

Data File: \\ \organics\V1.I\150713A.B\ 6296.D
Report Date: 15-Jul-2015 11:30

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18	Bromochloromethane	128	3.491	3.492	(0.812)	110170	50.0000	50
$	83	Chloroform-d	84	3.530	3.542	(0.821)	378067	50.0000	54
	19	Chloroform	83	3.550	3.551	(0.826)	384353	50.0000	50
	20	1,1,1-Trichloroethane	97	3.698	3.709	(0.525)	191526	50.0000	49
	21	Cyclohexane	56	3.747	3.758	(0.532)	423099	50.0000	44
	22	Carbon Tetrachloride	117	3.836	3.837	(0.544)	172899	50.0000	49
$	23	1,2-Dichloroethane-d4	65	3.934	3.936	(0.915)	178266	50.0000	50
$	84	Benzene-d6	84	3.954	3.965	(0.561)	937645	50.0000	53
	25	Benzene	78	3.983	3.995	(0.565)	994647	50.0000	49
	24	1,2-Dichloroethane	62	3.993	3.995	(0.929)	262425	50.0000	53
*	26	1,4-Difluorobenzene	114	4.299	4.300	(1.000)	582385	50.0000	
	27	Trichloroethene	95	4.515	4.527	(0.641)	217828	50.0000	47
$	85	1,2-Dichloropropane-d6	67	4.624	4.625	(0.656)	329174	50.0000	55
	28	Methylcyclohexane	83	4.693	4.694	(0.666)	315439	50.0000	44
	29	1,2-Dichloropropane	63	4.702	4.704	(0.667)	310679	50.0000	50
	30	Bromodichloromethane	83	4.939	4.940	(0.701)	300417	50.0000	51
	31	cis-1,3-Dichloropropene	75	5.352	5.354	(0.760)	408519	50.0000	50
	32	4-Methyl-2-Pentanone	43	5.500	5.502	(0.781)	691805	100.000	100
$	33	Toluene-d8	98	5.609	5.610	(0.796)	663689	50.0000	53
	34	Toluene	91	5.668	5.669	(0.804)	887504	50.0000	49
$	86	trans-1,3-Dichloropropene-d4	79	5.855	5.856	(0.831)	260789	50.0000	54
	35	trans-1,3-Dichloropropene	75	5.874	5.876	(0.834)	311600	50.0000	51
	36	1,1,2-Trichloroethane	97	6.052	6.053	(0.859)	178291	50.0000	50
	37	Tetrachloroethene	164	6.209	6.211	(0.881)	133954	50.0000	46
$	87	2-Hexanone-d5	63	6.268	6.270	(0.890)	182876	100.000	100(Q)
	38	2-Hexanone	43	6.318	6.319	(0.897)	489349	100.000	100
	39	Dibromochloromethane	129	6.446	6.447	(0.915)	202123	50.0000	52
	40	1,2-Dibromoethane	107	6.554	6.556	(0.930)	181285	50.0000	51
*	42	Chlorobenzene-d5	117	7.047	7.048	(1.000)	471178	50.0000	
	43	Chlorobenzene	112	7.076	7.078	(1.004)	527478	50.0000	49
	44	Ethylbenzene	91	7.214	7.206	(1.024)	930959	50.0000	48
	45	m,p-Xylene	106	7.342	7.334	(1.042)	342327	50.0000	49
	46	o-Xylene	106	7.766	7.757	(1.102)	324439	50.0000	48
	47	Styrene	104	7.775	7.777	(1.103)	578193	50.0000	50
	48	Bromoform	173	7.953	7.954	(0.826)	105976	50.0000	50
	49	Isopropylbenzene	105	8.179	8.181	(1.161)	827318	50.0000	49
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.475	8.476	(1.203)	222198	50.0000	51
	51	1,1,2,2-Tetrachloroethane	83	8.504	8.506	(1.207)	238368	50.0000	51
	52	1,3-Dichlorobenzene	146	9.558	9.560	(0.993)	355784	50.0000	50
*	78	1,4-Dichlorobenzene-d4	152	9.627	9.629	(1.000)	201152	50.0000	
	53	1,4-Dichlorobenzene	146	9.657	9.648	(1.003)	361740	50.0000	50
$	90	1,2-Dichlorobenzene-d4	152	10.011	10.013	(1.040)	191145	50.0000	52
	54	1,2-Dichlorobenzene	146	10.031	10.032	(1.042)	332318	50.0000	50
	55	1,2-Dibromo-3-chloropropane	75	10.789	10.801	(1.121)	31036	50.0000	52
	56	1,2,4-Trichlorobenzene	180	11.568	11.569	(1.202)	194373	50.0000	50
	77	1,2,3-Trichlorobenzene	180	11.991	11.993	(1.246)	174567	50.0000	51

QC Flag Legend

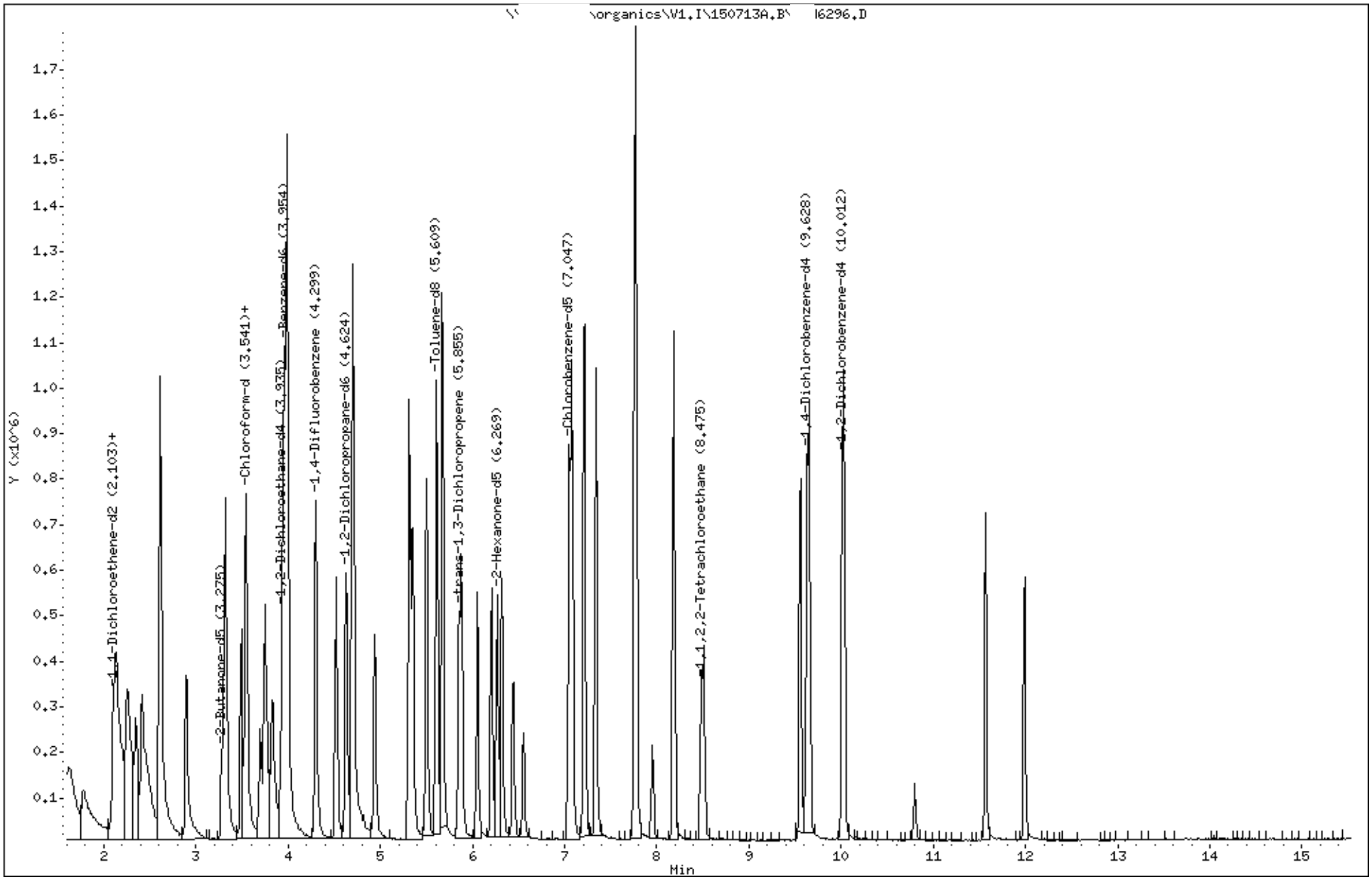
Q - Qualifier signal failed the ratio test.

Data File: \\ \organics\V1.I\150713A.B\ 6296.D
Date : 13-JUL-2015 13:03
Client ID: 0501A
Sample Info: 5G, CCV,,881

Column phase: DB-624

Instrument: V1.i

Operator: SRC: LIMS
Column diameter: 0.25



Data File: \\ \organics\V1.I\150713A.B\ 6316.D
Report Date: 15-Jul-2015 11:31

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713A.B\ 6316.D
Lab Smp Id: 8CCV Client Smp ID: 0501B
Inj Date : 13-JUL-2015 23:36
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 8CCV,,881
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713A.B\V1_ _S.m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 32 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.138	1.138	(0.265)	187085	50.0000	37
2	Chloromethane	50	1.276	1.276	(0.297)	475421	50.0000	49
$ 79	Vinyl Chloride-d3	65	1.345	1.345	(0.313)	244374	50.0000	51
3	Vinyl Chloride	62	1.335	1.335	(0.311)	323586	50.0000	47
4	Bromomethane	94	1.582	1.582	(0.368)	172721	50.0000	57
$ 80	Chloroethane-d5	69	1.621	1.621	(0.377)	189698	50.0000	53
5	Chloroethane	64	1.650	1.650	(0.384)	187981	50.0000	49
6	Trichlorofluoromethane	101	1.779	1.779	(0.414)	199077	50.0000	43
$ 81	1,1-Dichloroethene-d2	65	2.104	2.104	(0.489)	102141	50.0000	51(Q)
7	1,1-Dichloroethene	96	2.113	2.113	(0.492)	232436	50.0000	47(Q)
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.133	2.133	(0.496)	141973	50.0000	41
9	Acetone	43	2.133	2.133	(0.496)	166355	100.000	64
10	Carbon Disulfide	76	2.261	2.261	(0.526)	857904	50.0000	46
11	Methyl Acetate	43	2.360	2.360	(0.549)	257058	50.0000	51
12	Methylene Chloride	84	2.419	2.419	(0.563)	277835	50.0000	48
13	trans-1,2-Dichloroethene	96	2.616	2.616	(0.608)	241247	50.0000	49
14	Methyl tert-Butyl Ether	73	2.616	2.616	(0.608)	557195	50.0000	50
15	1,1-Dichloroethane	63	2.901	2.901	(0.675)	476631	50.0000	50
$ 82	2-Butanone-d5	46	3.285	3.285	(0.764)	312484	100.000	96
17	cis-1,2-Dichloroethene	96	3.325	3.325	(0.773)	270624	50.0000	50
16	2-Butanone	43	3.325	3.325	(0.773)	306391	100.000	81

Data File: \\ \organics\V1.I\150713A.B 6316.D
Report Date: 15-Jul-2015 11:31

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18	Bromochloromethane	128	3.492	3.492	(0.812)	109584	50.0000	50
$	83	Chloroform-d	84	3.542	3.542	(0.824)	382501	50.0000	55
	19	Chloroform	83	3.551	3.551	(0.826)	390810	50.0000	51
	20	1,1,1-Trichloroethane	97	3.709	3.709	(0.526)	184147	50.0000	47
	21	Cyclohexane	56	3.758	3.758	(0.533)	370751	50.0000	38
	22	Carbon Tetrachloride	117	3.837	3.837	(0.544)	161432	50.0000	46
$	23	1,2-Dichloroethane-d4	65	3.936	3.936	(0.915)	189204	50.0000	53
$	84	Benzene-d6	84	3.965	3.965	(0.563)	930677	50.0000	53
	25	Benzene	78	3.995	3.995	(0.567)	996345	50.0000	50
	24	1,2-Dichloroethane	62	3.995	3.995	(0.929)	252605	50.0000	51
*	26	1,4-Difluorobenzene	114	4.300	4.300	(1.000)	581968	50.0000	
	27	Trichloroethene	95	4.527	4.527	(0.642)	214246	50.0000	47
$	85	1,2-Dichloropropane-d6	67	4.625	4.625	(0.656)	303169	50.0000	51
	28	Methylcyclohexane	83	4.694	4.694	(0.666)	285201	50.0000	40
	29	1,2-Dichloropropane	63	4.704	4.704	(0.667)	305192	50.0000	49
	30	Bromodichloromethane	83	4.940	4.940	(0.701)	288383	50.0000	49
	31	cis-1,3-Dichloropropene	75	5.354	5.354	(0.760)	397206	50.0000	49
	32	4-Methyl-2-Pentanone	43	5.502	5.502	(0.781)	657145	100.000	99
$	33	Toluene-d8	98	5.610	5.610	(0.796)	657055	50.0000	53
	34	Toluene	91	5.669	5.669	(0.804)	885028	50.0000	49
$	86	trans-1,3-Dichloropropene-d4	79	5.856	5.856	(0.831)	242712	50.0000	50
	35	trans-1,3-Dichloropropene	75	5.876	5.876	(0.834)	293324	50.0000	48
	36	1,1,2-Trichloroethane	97	6.053	6.053	(0.859)	178163	50.0000	50
	37	Tetrachloroethene	164	6.211	6.211	(0.881)	129345	50.0000	45
$	87	2-Hexanone-d5	63	6.270	6.270	(0.890)	175542	100.000	98
	38	2-Hexanone	43	6.319	6.319	(0.897)	442460	100.000	91
	39	Dibromochloromethane	129	6.447	6.447	(0.915)	196743	50.0000	51
	40	1,2-Dibromoethane	107	6.556	6.556	(0.930)	177529	50.0000	50
*	42	Chlorobenzene-d5	117	7.048	7.048	(1.000)	467846	50.0000	
	43	Chlorobenzene	112	7.078	7.078	(1.004)	527031	50.0000	50
	44	Ethylbenzene	91	7.206	7.206	(1.022)	920037	50.0000	48
	45	m,p-Xylene	106	7.334	7.334	(1.041)	343828	50.0000	49
	46	o-Xylene	106	7.757	7.757	(1.101)	330543	50.0000	49
	47	Styrene	104	7.777	7.777	(1.103)	586140	50.0000	51
	48	Bromoform	173	7.954	7.954	(0.826)	105476	50.0000	50
	49	Isopropylbenzene	105	8.181	8.181	(1.161)	808741	50.0000	48
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.476	8.476	(1.203)	219337	50.0000	51
	51	1,1,2,2-Tetrachloroethane	83	8.506	8.506	(1.207)	235634	50.0000	51
	52	1,3-Dichlorobenzene	146	9.560	9.560	(0.993)	350444	50.0000	49
*	78	1,4-Dichlorobenzene-d4	152	9.629	9.629	(1.000)	202026	50.0000	
	53	1,4-Dichlorobenzene	146	9.648	9.648	(1.002)	356827	50.0000	49
$	90	1,2-Dichlorobenzene-d4	152	10.013	10.013	(1.040)	190381	50.0000	51
	54	1,2-Dichlorobenzene	146	10.032	10.032	(1.042)	329261	50.0000	49
	55	1,2-Dibromo-3-chloropropane	75	10.801	10.801	(1.122)	29408	50.0000	49
	56	1,2,4-Trichlorobenzene	180	11.569	11.569	(1.202)	204584	50.0000	52
	77	1,2,3-Trichlorobenzene	180	11.993	11.993	(1.245)	171151	50.0000	49

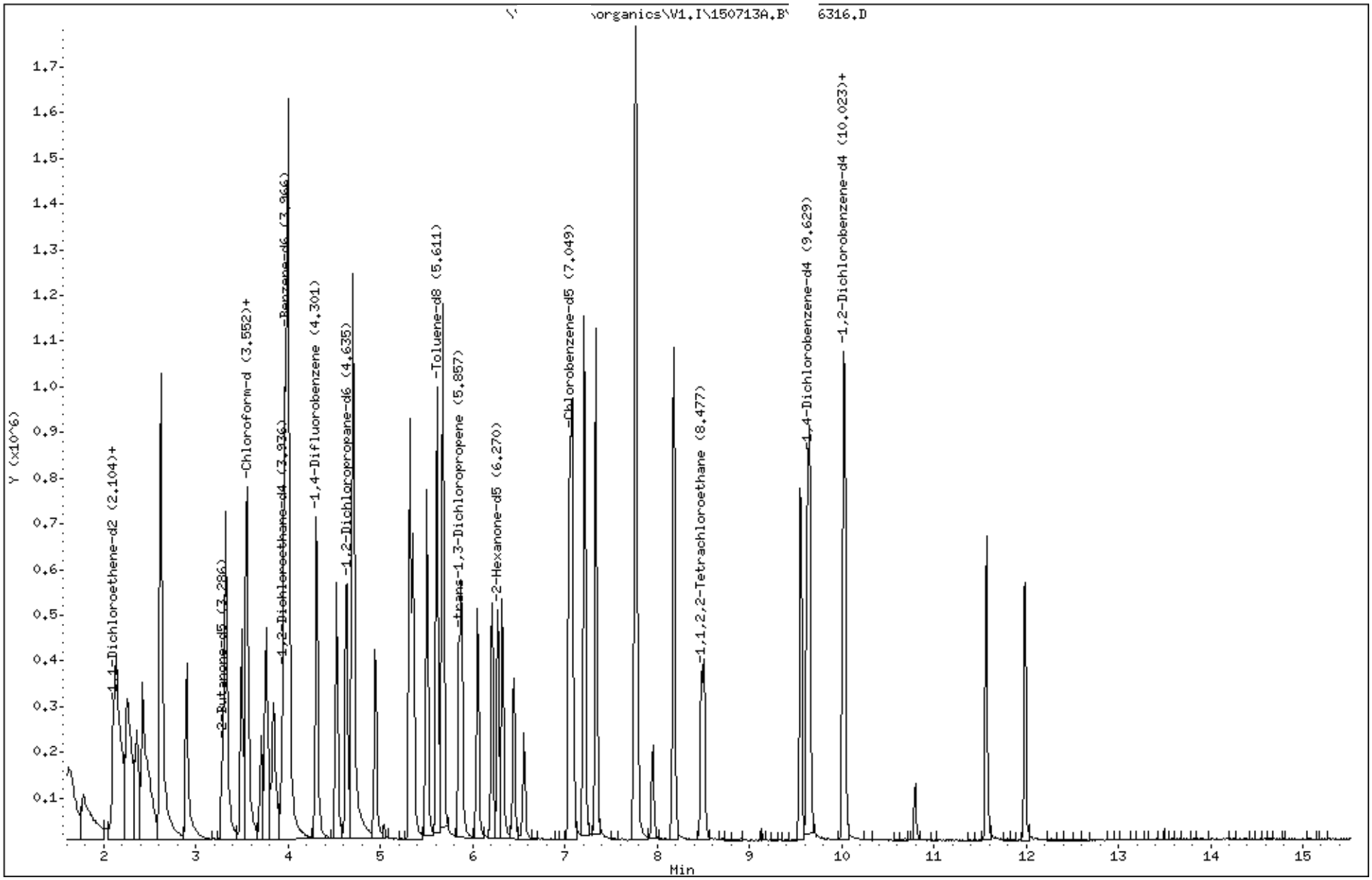
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ _ \organics\V1.I\150713A.B\ 6316.D
Date : 13-JUL-2015 23:36
Client ID: 0501B
Sample Info: 5G, CCV,,881

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \ \organics\V1.I\150713B.B\ 6330.D
Report Date: 15-Jul-2015 11:32

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713B.B\ 6330.D
Lab Smp Id: CCV Client Smp ID: 0501C
Inj Date : 14-JUL-2015 09:43
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, CCV,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\V1_ _S.m
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.146	1.146	(0.266)	187363	50.0000	36
2	Chloromethane	50	1.274	1.274	(0.296)	468183	50.0000	47
$ 79	Vinyl Chloride-d3	65	1.343	1.343	(0.312)	238494	50.0000	49
3	Vinyl Chloride	62	1.353	1.353	(0.314)	320491	50.0000	46
4	Bromomethane	94	1.569	1.569	(0.364)	166942	50.0000	55(Q)
$ 80	Chloroethane-d5	69	1.638	1.638	(0.380)	189495	50.0000	52
5	Chloroethane	64	1.648	1.648	(0.383)	180304	50.0000	46
6	Trichlorofluoromethane	101	1.796	1.796	(0.417)	193794	50.0000	41
$ 81	1,1-Dichloroethene-d2	65	2.121	2.121	(0.492)	90437	50.0000	45
7	1,1-Dichloroethene	96	2.121	2.121	(0.492)	233005	50.0000	47(Q)
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.131	2.131	(0.495)	139973	50.0000	40
9	Acetone	43	2.141	2.141	(0.497)	173452	100.000	66
10	Carbon Disulfide	76	2.269	2.269	(0.527)	853960	50.0000	45
11	Methyl Acetate	43	2.367	2.367	(0.550)	260195	50.0000	50
12	Methylene Chloride	84	2.426	2.426	(0.563)	283472	50.0000	48
13	trans-1,2-Dichloroethene	96	2.623	2.623	(0.609)	239870	50.0000	48
14	Methyl tert-Butyl Ether	73	2.623	2.623	(0.609)	564210	50.0000	50
15	1,1-Dichloroethane	63	2.909	2.909	(0.675)	482124	50.0000	49
$ 82	2-Butanone-d5	46	3.293	3.293	(0.765)	314282	100.000	95
17	cis-1,2-Dichloroethene	96	3.323	3.323	(0.771)	277516	50.0000	51
16	2-Butanone	43	3.333	3.333	(0.774)	323750	100.000	84

Data File: \ \organics\V1.I\150713B.B\ 6330.D
Report Date: 15-Jul-2015 11:32

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18	Bromochloromethane	128	3.500	3.500	(0.813)	114787	50.0000	51
$	83	Chloroform-d	84	3.549	3.549	(0.824)	394402	50.0000	56
	19	Chloroform	83	3.559	3.559	(0.826)	391329	50.0000	50
	20	1,1,1-Trichloroethane	97	3.717	3.717	(0.527)	185510	50.0000	45
	21	Cyclohexane	56	3.766	3.766	(0.534)	374554	50.0000	37
	22	Carbon Tetrachloride	117	3.845	3.845	(0.545)	159498	50.0000	44
$	23	1,2-Dichloroethane-d4	65	3.943	3.943	(0.915)	202840	50.0000	56
$	84	Benzene-d6	84	3.973	3.973	(0.563)	973731	50.0000	53
	25	Benzene	78	4.002	4.002	(0.567)	1011704	50.0000	48
	24	1,2-Dichloroethane	62	4.002	4.002	(0.929)	256005	50.0000	51
*	26	1,4-Difluorobenzene	114	4.308	4.308	(1.000)	593056	50.0000	
	27	Trichloroethene	95	4.534	4.534	(0.643)	216028	50.0000	45
$	85	1,2-Dichloropropane-d6	67	4.643	4.643	(0.658)	335633	50.0000	54
	28	Methylcyclohexane	83	4.702	4.702	(0.666)	286482	50.0000	38
	29	1,2-Dichloropropane	63	4.711	4.711	(0.668)	317758	50.0000	49
	30	Bromodichloromethane	83	4.958	4.958	(0.703)	301622	50.0000	49
	31	cis-1,3-Dichloropropene	75	5.362	5.362	(0.760)	388390	50.0000	45
	32	4-Methyl-2-Pentanone	43	5.509	5.509	(0.781)	670857	100.000	96
$	33	Toluene-d8	98	5.618	5.618	(0.796)	685648	50.0000	52
	34	Toluene	91	5.687	5.687	(0.806)	886186	50.0000	47
$	86	trans-1,3-Dichloropropene-d4	79	5.864	5.864	(0.831)	239281	50.0000	47
	35	trans-1,3-Dichloropropene	75	5.884	5.884	(0.834)	286899	50.0000	45
	36	1,1,2-Trichloroethane	97	6.061	6.061	(0.859)	182760	50.0000	49
	37	Tetrachloroethene	164	6.218	6.218	(0.881)	127850	50.0000	43
$	87	2-Hexanone-d5	63	6.278	6.278	(0.890)	176730	100.000	94(Q)
	38	2-Hexanone	43	6.327	6.327	(0.897)	437321	100.000	85
	39	Dibromochloromethane	129	6.455	6.455	(0.915)	206658	50.0000	51
	40	1,2-Dibromoethane	107	6.563	6.563	(0.930)	182353	50.0000	49
*	42	Chlorobenzene-d5	117	7.056	7.056	(1.000)	491180	50.0000	
	43	Chlorobenzene	112	7.085	7.085	(1.004)	535666	50.0000	48
	44	Ethylbenzene	91	7.213	7.213	(1.022)	920983	50.0000	46
	45	m,p-Xylene	106	7.341	7.341	(1.040)	338732	50.0000	46
	46	o-Xylene	106	7.765	7.765	(1.101)	336881	50.0000	48
	47	Styrene	104	7.785	7.785	(1.103)	593430	50.0000	50
	48	Bromoform	173	7.962	7.962	(0.826)	109909	50.0000	54
	49	Isopropylbenzene	105	8.188	8.188	(1.161)	806539	50.0000	46
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.484	8.484	(1.202)	224675	50.0000	50
	51	1,1,2,2-Tetrachloroethane	83	8.513	8.513	(1.207)	236915	50.0000	49
	52	1,3-Dichlorobenzene	146	9.567	9.567	(0.993)	340907	50.0000	50
*	78	1,4-Dichlorobenzene-d4	152	9.636	9.636	(1.000)	193952	50.0000	
	53	1,4-Dichlorobenzene	146	9.656	9.656	(1.002)	340896	50.0000	49
$	90	1,2-Dichlorobenzene-d4	152	10.020	10.020	(1.040)	190524	50.0000	53
	54	1,2-Dichlorobenzene	146	10.040	10.040	(1.042)	325063	50.0000	51
	55	1,2-Dibromo-3-chloropropane	75	10.799	10.799	(1.121)	30307	50.0000	53
	56	1,2,4-Trichlorobenzene	180	11.577	11.577	(1.201)	177593	50.0000	47
	77	1,2,3-Trichlorobenzene	180	11.990	11.990	(1.244)	168737	50.0000	51

QC Flag Legend

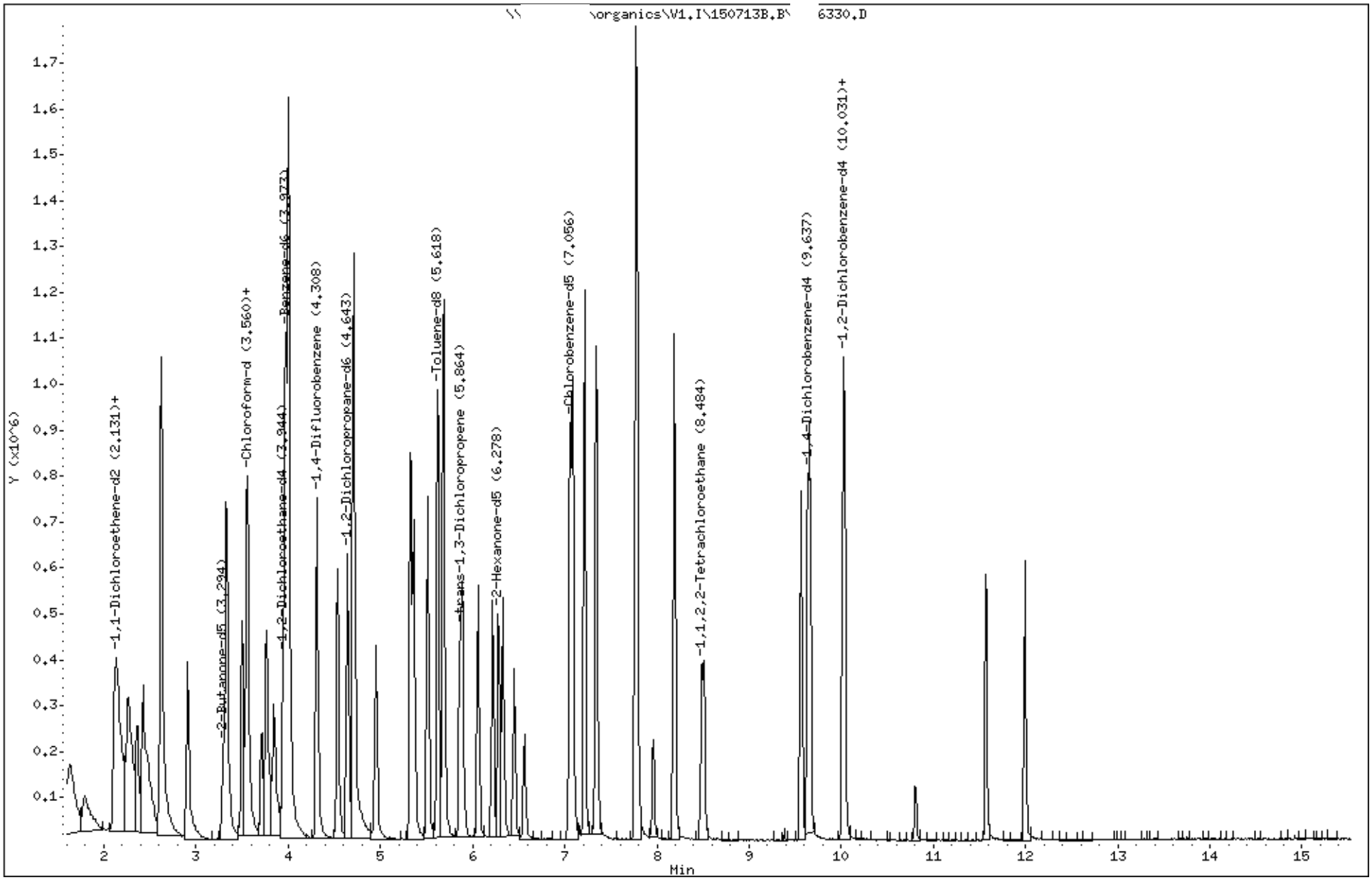
Q - Qualifier signal failed the ratio test.

Data File: \\ _ \organics\V1.I\150713B.B\ 6330.D
Date : 14-JUL-2015 09:43
Client ID: 0501C
Sample Info: 5G, CCV,,883

Column phase: DB-624

Instrument: V1.i

Operator: SRC: LIMS
Column diameter: 0.25



Data File: \ \organics\V1.I\150715.B\ 6372.D
Report Date: 16-Jul-2015 11:23

- Low/Med Volatiles

Data file : \\ \organics\V1.I\150715.B\ 6372.D
Lab Smp Id: CCV Client Smp ID: 0501E
Inj Date : 15-JUL-2015 09:46
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 5CCV,,894
Misc Info :
Comment :
Method : \\ \organics\V1.I\150715.B\V1_ _S.m
Meth Date : 16-Jul-2015 11:21 V1.i Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.143	1.149	(0.264)	274799	50.0000	50
2	Chloromethane	50	1.281	1.277	(0.296)	536676	50.0000	51
$ 79	Vinyl Chloride-d3	65	1.350	1.336	(0.312)	260415	50.0000	50
3	Vinyl Chloride	62	1.350	1.346	(0.312)	396972	50.0000	53
4	Bromomethane	94	1.576	1.572	(0.365)	141567	50.0000	43(Q)
$ 80	Chloroethane-d5	69	1.636	1.621	(0.378)	197982	50.0000	51
5	Chloroethane	64	1.645	1.651	(0.381)	203821	50.0000	49
6	Trichlorofluoromethane	101	1.793	1.789	(0.415)	258910	50.0000	51
$ 81	1,1-Dichloroethene-d2	65	2.128	2.104	(0.492)	107443	50.0000	50(Q)
7	1,1-Dichloroethene	96	2.128	2.114	(0.492)	275325	50.0000	51(Q)
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.148	2.143	(0.497)	211206	50.0000	56
9	Acetone	43	2.148	2.133	(0.497)	224016	100.000	79
10	Carbon Disulfide	76	2.266	2.262	(0.524)	999590	50.0000	49
11	Methyl Acetate	43	2.374	2.360	(0.549)	255170	50.0000	46
12	Methylene Chloride	84	2.433	2.429	(0.563)	288618	50.0000	46
13	trans-1,2-Dichloroethene	96	2.630	2.616	(0.608)	257271	50.0000	48
14	Methyl tert-Butyl Ether	73	2.630	2.616	(0.608)	577273	50.0000	47
15	1,1-Dichloroethane	63	2.916	2.902	(0.674)	512412	50.0000	49
$ 82	2-Butanone-d5	46	3.300	3.286	(0.763)	313023	100.000	88
17	cis-1,2-Dichloroethene	96	3.340	3.325	(0.772)	286124	50.0000	49
16	2-Butanone	43	3.340	3.335	(0.772)	358518	100.000	87

Data File: \ \organics\V1.I\150715.B\ 6372.D
Report Date: 16-Jul-2015 11:23

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18	Bromochloromethane	128	3.507	3.503	(0.811)	115098	50.0000	48
$	83	Chloroform-d	84	3.556	3.542	(0.822)	372433	50.0000	49
	19	Chloroform	83	3.566	3.562	(0.825)	412585	50.0000	49
	20	1,1,1-Trichloroethane	97	3.724	3.709	(0.527)	206140	50.0000	48
	21	Cyclohexane	56	3.773	3.759	(0.534)	527426	50.0000	50
	22	Carbon Tetrachloride	117	3.852	3.847	(0.545)	196232	50.0000	51
$	23	1,2-Dichloroethane-d4	65	3.960	3.946	(0.916)	190381	50.0000	49
$	84	Benzene-d6	84	3.980	3.966	(0.564)	936199	50.0000	49
	25	Benzene	78	4.009	3.995	(0.568)	1053913	50.0000	48
	24	1,2-Dichloroethane	62	4.019	4.005	(0.929)	266210	50.0000	49
*	26	1,4-Difluorobenzene	114	4.325	4.310	(1.000)	636205	50.0000	
	27	Trichloroethene	95	4.541	4.527	(0.643)	237385	50.0000	47
$	85	1,2-Dichloropropane-d6	67	4.650	4.635	(0.658)	300777	50.0000	46
	28	Methylcyclohexane	83	4.719	4.704	(0.668)	400489	50.0000	51
	29	1,2-Dichloropropane	63	4.728	4.714	(0.669)	318712	50.0000	47
	30	Bromodichloromethane	83	4.965	4.950	(0.703)	312975	50.0000	48
	31	cis-1,3-Dichloropropene	75	5.369	5.364	(0.760)	428805	50.0000	48
	32	4-Methyl-2-Pentanone	43	5.516	5.512	(0.781)	655526	100.000	90
$	33	Toluene-d8	98	5.625	5.620	(0.796)	667856	50.0000	49
	34	Toluene	91	5.694	5.679	(0.806)	960064	50.0000	49
$	86	trans-1,3-Dichloropropene-d4	79	5.871	5.857	(0.831)	255963	50.0000	48
	35	trans-1,3-Dichloropropene	75	5.900	5.886	(0.835)	323066	50.0000	49
	36	1,1,2-Trichloroethane	97	6.068	6.063	(0.859)	184436	50.0000	47
	37	Tetrachloroethene	164	6.225	6.221	(0.881)	148067	50.0000	47
$	87	2-Hexanone-d5	63	6.285	6.280	(0.890)	173513	100.000	88(Q)
	38	2-Hexanone	43	6.334	6.329	(0.897)	458802	100.000	86
	39	Dibromochloromethane	129	6.462	6.457	(0.915)	201554	50.0000	48
	40	1,2-Dibromoethane	107	6.570	6.566	(0.930)	180424	50.0000	46
*	42	Chlorobenzene-d5	117	7.063	7.048	(1.000)	513675	50.0000	
	43	Chlorobenzene	112	7.092	7.078	(1.004)	565464	50.0000	48
	44	Ethylbenzene	91	7.220	7.216	(1.022)	1015997	50.0000	48
	45	m,p-Xylene	106	7.348	7.344	(1.040)	364523	50.0000	48
	46	o-Xylene	106	7.782	7.767	(1.102)	350720	50.0000	48
	47	Styrene	104	7.792	7.777	(1.103)	622021	50.0000	50
	48	Bromoform	173	7.969	7.955	(0.827)	108634	50.0000	47
	49	Isopropylbenzene	105	8.195	8.181	(1.160)	896795	50.0000	49
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.491	8.486	(1.202)	215162	50.0000	46
	51	1,1,2,2-Tetrachloroethane	83	8.520	8.506	(1.206)	233482	50.0000	46
	52	1,3-Dichlorobenzene	146	9.565	9.560	(0.993)	376765	50.0000	48
*	78	1,4-Dichlorobenzene-d4	152	9.633	9.629	(1.000)	220447	50.0000	
	53	1,4-Dichlorobenzene	146	9.663	9.659	(1.003)	381427	50.0000	48
$	90	1,2-Dichlorobenzene-d4	152	10.018	10.023	(1.040)	193572	50.0000	48
	54	1,2-Dichlorobenzene	146	10.037	10.033	(1.042)	343414	50.0000	47
	55	1,2-Dibromo-3-chloropropane	75	10.806	10.801	(1.122)	29111	50.0000	45
	56	1,2,4-Trichlorobenzene	180	11.574	11.569	(1.201)	200444	50.0000	47
	77	1,2,3-Trichlorobenzene	180	11.997	11.993	(1.245)	178177	50.0000	47

QC Flag Legend

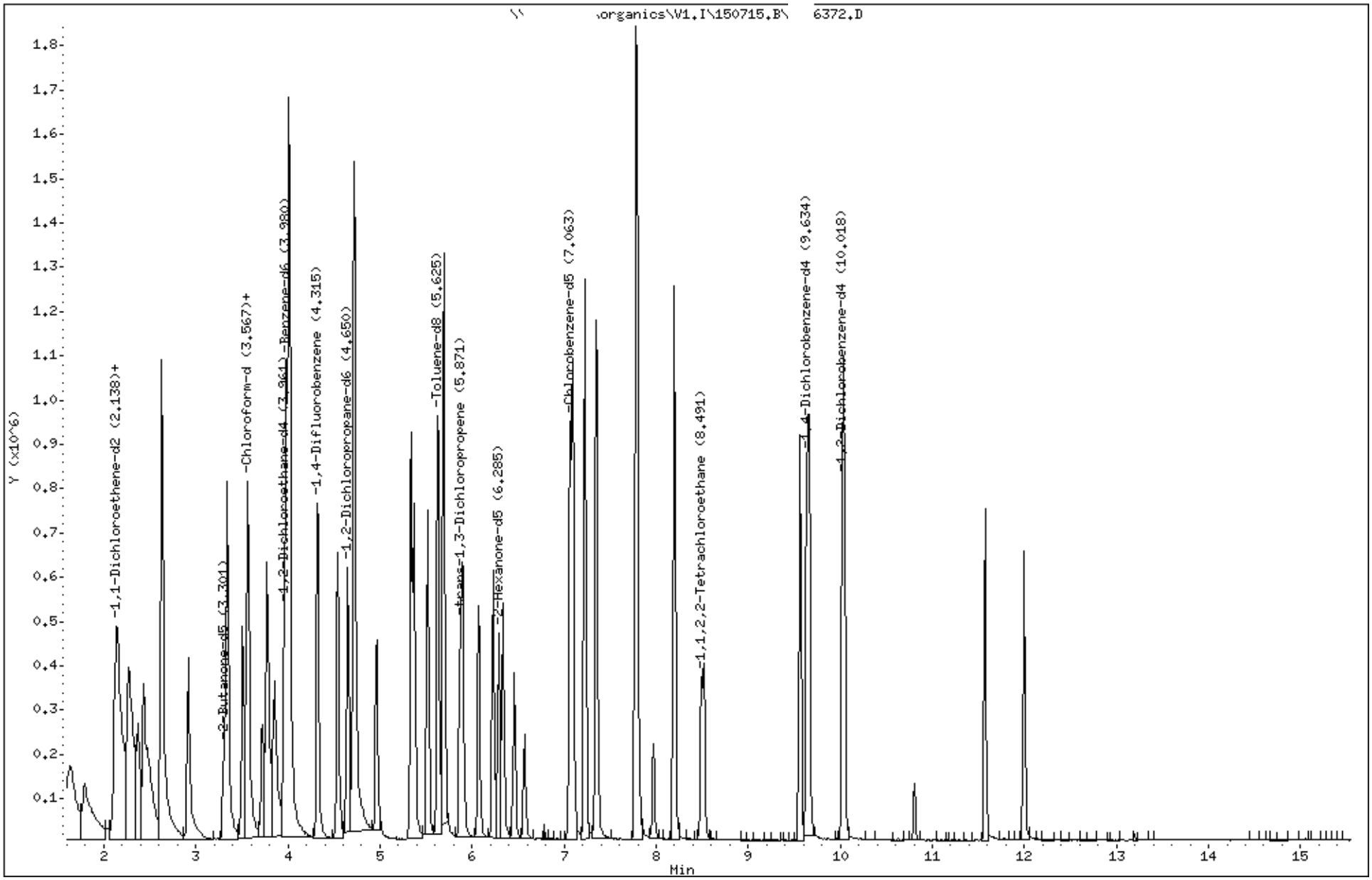
Q - Qualifier signal failed the ratio test.

Data File: \ \organics\V1.I\150715.B\ 6372.D
Date : 15-JUL-2015 09:46
Client ID: 0501E
Sample Info: 5G,,,,,CCV,,894

Instrument: V1.i

Operator: SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



Data File: \\ \organics\V1.I\150715.B\ 6394.D
Report Date: 17-Jul-2015 09:25

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150715.B\ 6394.D
Lab Smp Id: CCV Client Smp ID: 0501F
Inj Date : 15-JUL-2015 19:54
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, CCV,,894
Misc Info :
Comment :
Method : \\ \organics\V1.I\150715.B\V1_ _S.m
Meth Date : 17-Jul-2015 09:24 V1.i Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 39 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.149	1.149	(0.267)	245196	50.0000	51
2	Chloromethane	50	1.277	1.277	(0.296)	494097	50.0000	54
$ 79	Vinyl Chloride-d3	65	1.336	1.336	(0.310)	231023	50.0000	51
3	Vinyl Chloride	62	1.346	1.346	(0.312)	353025	50.0000	54
4	Bromomethane	94	1.572	1.572	(0.365)	166908	50.0000	58
$ 80	Chloroethane-d5	69	1.621	1.621	(0.376)	179438	50.0000	53
5	Chloroethane	64	1.651	1.651	(0.383)	193457	50.0000	53
6	Trichlorofluoromethane	101	1.789	1.789	(0.415)	233015	50.0000	53
$ 81	1,1-Dichloroethene-d2	65	2.104	2.104	(0.488)	97235	50.0000	52(Q)
7	1,1-Dichloroethene	96	2.114	2.114	(0.490)	251339	50.0000	54
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.143	2.143	(0.497)	187651	50.0000	57
9	Acetone	43	2.133	2.133	(0.495)	163434	100.000	66
10	Carbon Disulfide	76	2.262	2.262	(0.525)	916439	50.0000	52
11	Methyl Acetate	43	2.360	2.360	(0.548)	264159	50.0000	55
12	Methylene Chloride	84	2.429	2.429	(0.564)	286698	50.0000	52
13	trans-1,2-Dichloroethene	96	2.616	2.616	(0.607)	239332	50.0000	51
14	Methyl tert-Butyl Ether	73	2.616	2.616	(0.607)	563631	50.0000	53
15	1,1-Dichloroethane	63	2.902	2.902	(0.673)	480105	50.0000	53
$ 82	2-Butanone-d5	46	3.286	3.286	(0.762)	284164	100.000	92
17	cis-1,2-Dichloroethene	96	3.325	3.325	(0.772)	275357	50.0000	54
16	2-Butanone	43	3.335	3.335	(0.774)	325624	100.000	91

Data File: \\ \organics\V1.I\150715.B\ 6394.D
Report Date: 17-Jul-2015 09:25

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18	Bromochloromethane	128	3.503	3.503	(0.813)	110729	50.0000	53
$	83	Chloroform-d	84	3.542	3.542	(0.822)	343878	50.0000	52
	19	Chloroform	83	3.562	3.562	(0.826)	388295	50.0000	53
	20	1,1,1-Trichloroethane	97	3.709	3.709	(0.526)	192706	50.0000	50
	21	Cyclohexane	56	3.759	3.759	(0.533)	469902	50.0000	50
	22	Carbon Tetrachloride	117	3.847	3.847	(0.546)	182010	50.0000	53
$	23	1,2-Dichloroethane-d4	65	3.946	3.946	(0.915)	156418	50.0000	46
$	84	Benzene-d6	84	3.966	3.966	(0.563)	869265	50.0000	50
	25	Benzene	78	3.995	3.995	(0.567)	994896	50.0000	51
	24	1,2-Dichloroethane	62	4.005	4.005	(0.929)	249446	50.0000	53
*	26	1,4-Difluorobenzene	114	4.310	4.310	(1.000)	553209	50.0000	
	27	Trichloroethene	95	4.527	4.527	(0.642)	222551	50.0000	49
$	85	1,2-Dichloropropane-d6	67	4.635	4.635	(0.658)	275155	50.0000	47
	28	Methylcyclohexane	83	4.704	4.704	(0.667)	367994	50.0000	52
	29	1,2-Dichloropropane	63	4.714	4.714	(0.669)	308386	50.0000	51
	30	Bromodichloromethane	83	4.950	4.950	(0.702)	295768	50.0000	51
	31	cis-1,3-Dichloropropene	75	5.364	5.364	(0.761)	406744	50.0000	51
	32	4-Methyl-2-Pentanone	43	5.512	5.512	(0.782)	658269	100.000	100
$	33	Toluene-d8	98	5.620	5.620	(0.797)	619666	50.0000	51
	34	Toluene	91	5.679	5.679	(0.806)	900290	50.0000	51
$	86	trans-1,3-Dichloropropene-d4	79	5.857	5.857	(0.831)	229295	50.0000	48
	35	trans-1,3-Dichloropropene	75	5.886	5.886	(0.835)	305253	50.0000	51
	36	1,1,2-Trichloroethane	97	6.063	6.063	(0.860)	179128	50.0000	51
	37	Tetrachloroethene	164	6.221	6.221	(0.883)	146372	50.0000	52
$	87	2-Hexanone-d5	63	6.280	6.280	(0.891)	165986	100.000	94
	38	2-Hexanone	43	6.329	6.329	(0.898)	438112	100.000	91
	39	Dibromochloromethane	129	6.457	6.457	(0.916)	181591	50.0000	48
	40	1,2-Dibromoethane	107	6.566	6.566	(0.932)	177704	50.0000	51
*	42	Chlorobenzene-d5	117	7.048	7.048	(1.000)	459866	50.0000	
	43	Chlorobenzene	112	7.078	7.078	(1.004)	533639	50.0000	51
	44	Ethylbenzene	91	7.216	7.216	(1.024)	951053	50.0000	51
	45	m,p-Xylene	106	7.344	7.344	(1.042)	357206	50.0000	52
	46	o-Xylene	106	7.767	7.767	(1.102)	342438	50.0000	52
	47	Styrene	104	7.777	7.777	(1.103)	586355	50.0000	52
	48	Bromoform	173	7.955	7.955	(0.826)	105135	50.0000	51
	49	Isopropylbenzene	105	8.181	8.181	(1.161)	842288	50.0000	51
$	89	1,1,2,2-Tetrachloroethane-d2	84	8.486	8.486	(1.204)	206519	50.0000	49
	51	1,1,2,2-Tetrachloroethane	83	8.506	8.506	(1.207)	237018	50.0000	52
	52	1,3-Dichlorobenzene	146	9.560	9.560	(0.993)	359881	50.0000	52
*	78	1,4-Dichlorobenzene-d4	152	9.629	9.629	(1.000)	196703	50.0000	
	53	1,4-Dichlorobenzene	146	9.659	9.659	(1.003)	370091	50.0000	52
$	90	1,2-Dichlorobenzene-d4	152	10.023	10.023	(1.041)	179248	50.0000	49
	54	1,2-Dichlorobenzene	146	10.033	10.033	(1.042)	342485	50.0000	53
	55	1,2-Dibromo-3-chloropropane	75	10.801	10.801	(1.122)	28841	50.0000	50
	56	1,2,4-Trichlorobenzene	180	11.569	11.569	(1.202)	190656	50.0000	50
	77	1,2,3-Trichlorobenzene	180	11.993	11.993	(1.245)	172303	50.0000	51

QC Flag Legend

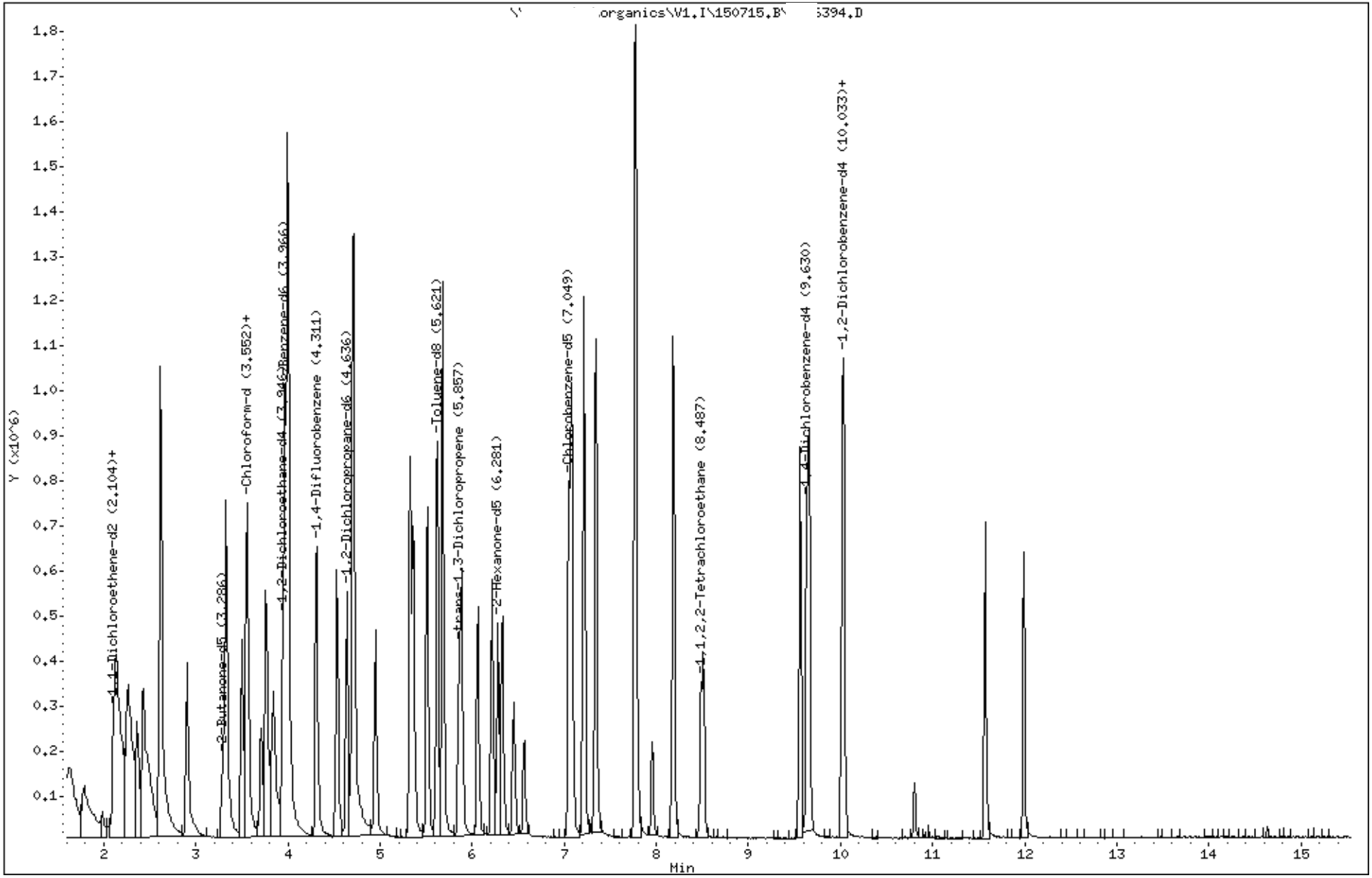
Q - Qualifier signal failed the ratio test.

Data File: \\ _ \organics\V1.I\150715.B\ 5394.D
Date : 15-JUL-2015 19:54
Client ID: 0501F
Sample Info: 5G, CCV,,894

Instrument: V1.i

Operator: SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



Data file : \\   \organics\V1.I\150715.B\   6371.D
Lab Smp Id: BFB   Client Smp ID: B1E
Inj Date : 15-JUL-2015 09:19
Operator :   SRC: LIMS   Inst ID: V1.i
Smp Info : 20uL,   BFB,,894
Misc Info :
Comment   :
Method   : \\   \organics\V1.I\150715.B\V1_BFB_   .m
Meth Date : 15-Jul-2015 10:04   Quant Type: ISTD
Cal Date : 25-JAN-2006 16:13   Cal File: 422.D
Als bottle: 2   QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE   Compound Sublist: all.sub
Target Version: 4.14   Sample Matrix: WATER
Processing Host: TARGET103

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.338	8.300	(0.000)	95	112472			0.00- 100.00	100.00
8.338	8.300	(0.000)	50	23072			15.00- 40.00	20.51
8.338	8.300	(0.000)	75	45800			30.00- 80.00	40.72
8.338	8.300	(0.000)	96	7375			5.00- 9.00	6.56
8.338	8.300	(0.000)	173	137			0.00- 2.00	0.20
8.338	8.300	(0.000)	174	69048			50.00- 120.00	61.39
8.338	8.300	(0.000)	175	5293			5.00- 9.00	7.67
8.338	8.300	(0.000)	176	69464			95.00- 101.00	100.60
8.338	8.300	(0.000)	177	4722			5.00- 9.00	6.80

Data File: \\ \organics\V1.I\150715.B\ 371.D

Date : 15-JUL-2015 09:19

Client ID: B1E

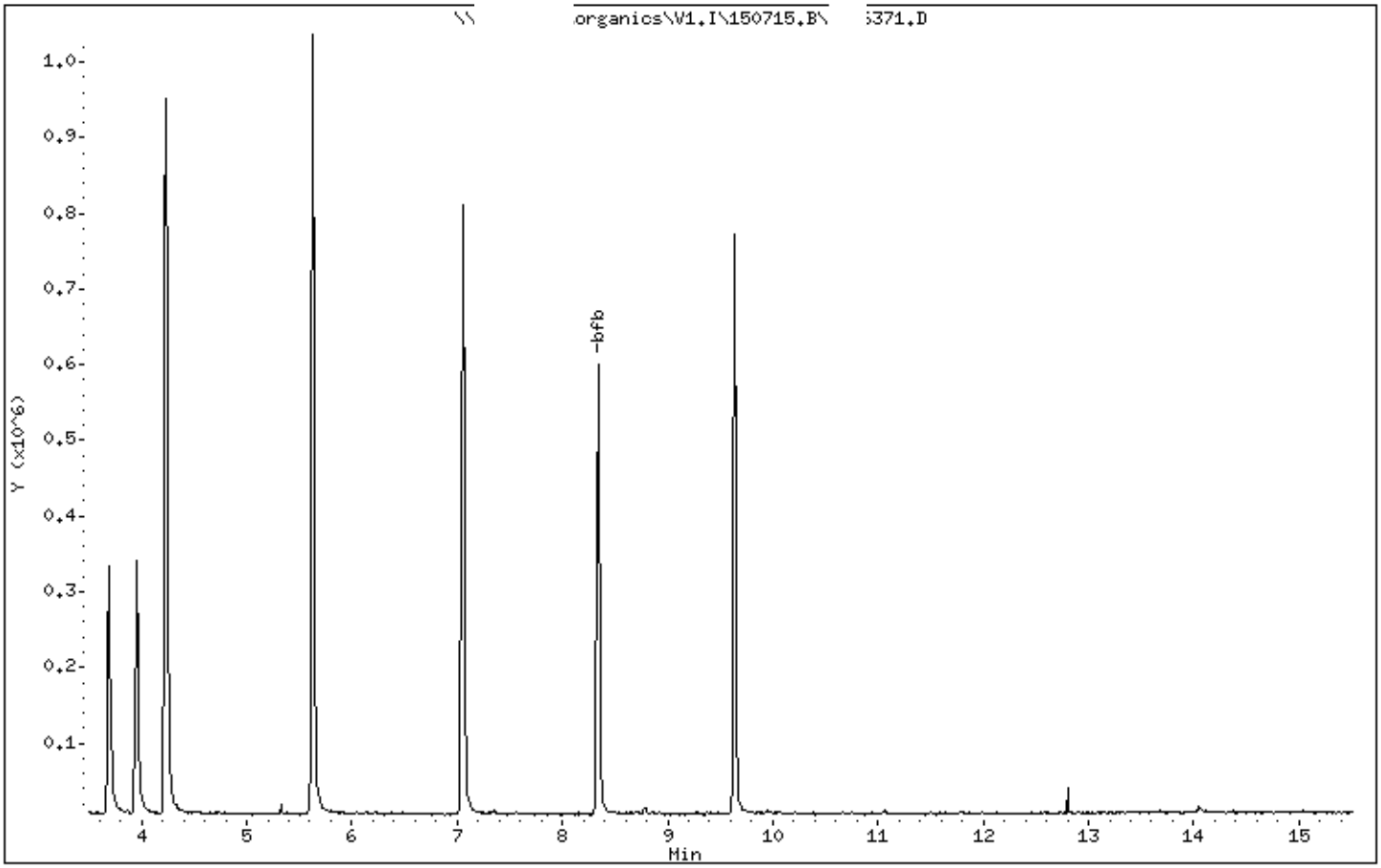
Instrument: V1.i

Sample Info: 2UL, BFB,,894

Operator: SRC: LIMS

Column phase: DB-624

Column diameter: 0.25



Data File: \\ _ \organics\V1.I\150715.B\ 371.D

Date : 15-JUL-2015 09:19

Client ID: B1E

Instrument: V1.i

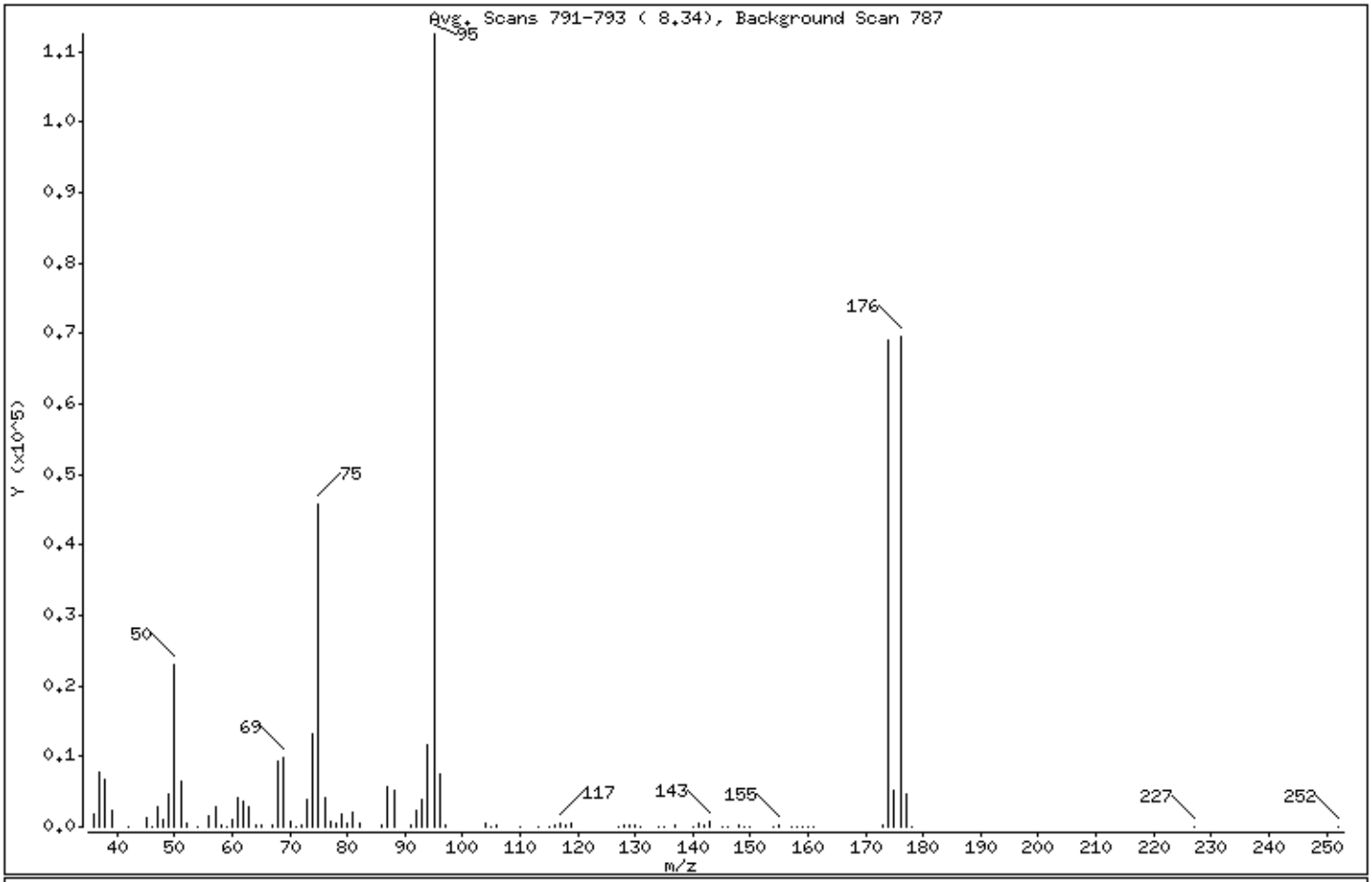
Sample Info: 2UL, FB,,894

Operator: SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.51
75	30.00 - 80.00% of mass 95	40.72
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.12 (0.20)
174	50.00 - 120.00% of mass 95	61.39
175	5.00 - 9.00% of mass 174	4.71 (7.67)
176	95.00 - 101.00% of mass 174	61.76 (100.60)
177	5.00 - 9.00% of mass 176	4.20 (6.80)

Date : 15-JUL-2015 09:19

Client ID: B1E Instrument: V1.i

Sample Info: 2UL, BFB,,894

Operator: SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Data File: 5371.D
Spectrum: Avg. Scans 791-793 (8.34), Background Scan 787
Location of Maximum: 95.00
Number of points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1936	67.00	293	96.00	7375	145.00	36
37.00	7849	68.00	9374	97.00	208	146.00	43
38.00	6648	69.00	9721	104.00	403	148.00	209
39.00	2376	70.00	767	105.00	39	149.00	52
42.00	44	71.00	92	106.00	278	150.00	75
45.00	1368	72.00	371	110.00	44	154.00	54
46.00	60	73.00	3787	113.00	71	155.00	226
47.00	2962	74.00	13247	115.00	38	157.00	101
48.00	944	75.00	45800	116.00	267	158.00	41
49.00	4769	76.00	4045	117.00	534	159.00	60
50.00	23072	77.00	886	118.00	276	160.00	39
51.00	6505	78.00	628	119.00	456	161.00	100
52.00	542	79.00	1721	127.00	34	173.00	137
54.00	37	80.00	626	128.00	240	174.00	69048
56.00	1601	81.00	2059	129.00	229	175.00	5293
57.00	2749	82.00	507	130.00	366	176.00	69464
58.00	133	86.00	146	131.00	105	177.00	4722
59.00	34	87.00	5625	134.00	88	178.00	81
60.00	917	88.00	5218	135.00	119	227.00	37
61.00	4198	91.00	274	137.00	133	252.00	38
62.00	3653	92.00	2335	140.00	56		
63.00	2773	93.00	3775	141.00	503		
64.00	273	94.00	11724	142.00	151		
65.00	207	95.00	112472	143.00	732		

Data file : \\ \organics\V1.I\ 13.B\ 6290.D
Lab Smp Id: BFB Client Smp ID: B1Z
Inj Date : 13-JUL-2015 09:58
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 20uL, BFB,,880
Misc Info :
Comment :
Method : \\ \organics\V1.I\ 13.B\V1_BFB_ .m
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 25-JAN-2006 16:13 Cal File: 4422.D
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.325	8.300 (0.000)		95	122400			0.00- 100.00	100.00
8.325	8.300 (0.000)		50	24592			15.00- 40.00	20.09
8.325	8.300 (0.000)		75	49488			30.00- 80.00	40.43
8.325	8.300 (0.000)		96	8085			5.00- 9.00	6.61
8.325	8.300 (0.000)		173	161			0.00- 2.00	0.21
8.325	8.300 (0.000)		174	75224			50.00- 120.00	61.46
8.325	8.300 (0.000)		175	5505			5.00- 9.00	7.32
8.325	8.300 (0.000)		176	75040			95.00- 101.00	99.76
8.325	8.300 (0.000)		177	4816			5.00- 9.00	6.42

Data File: \\ \organics\V1.I\150713.B\ 290.D

Date : 13-JUL-2015 09:58

Client ID: B1Z

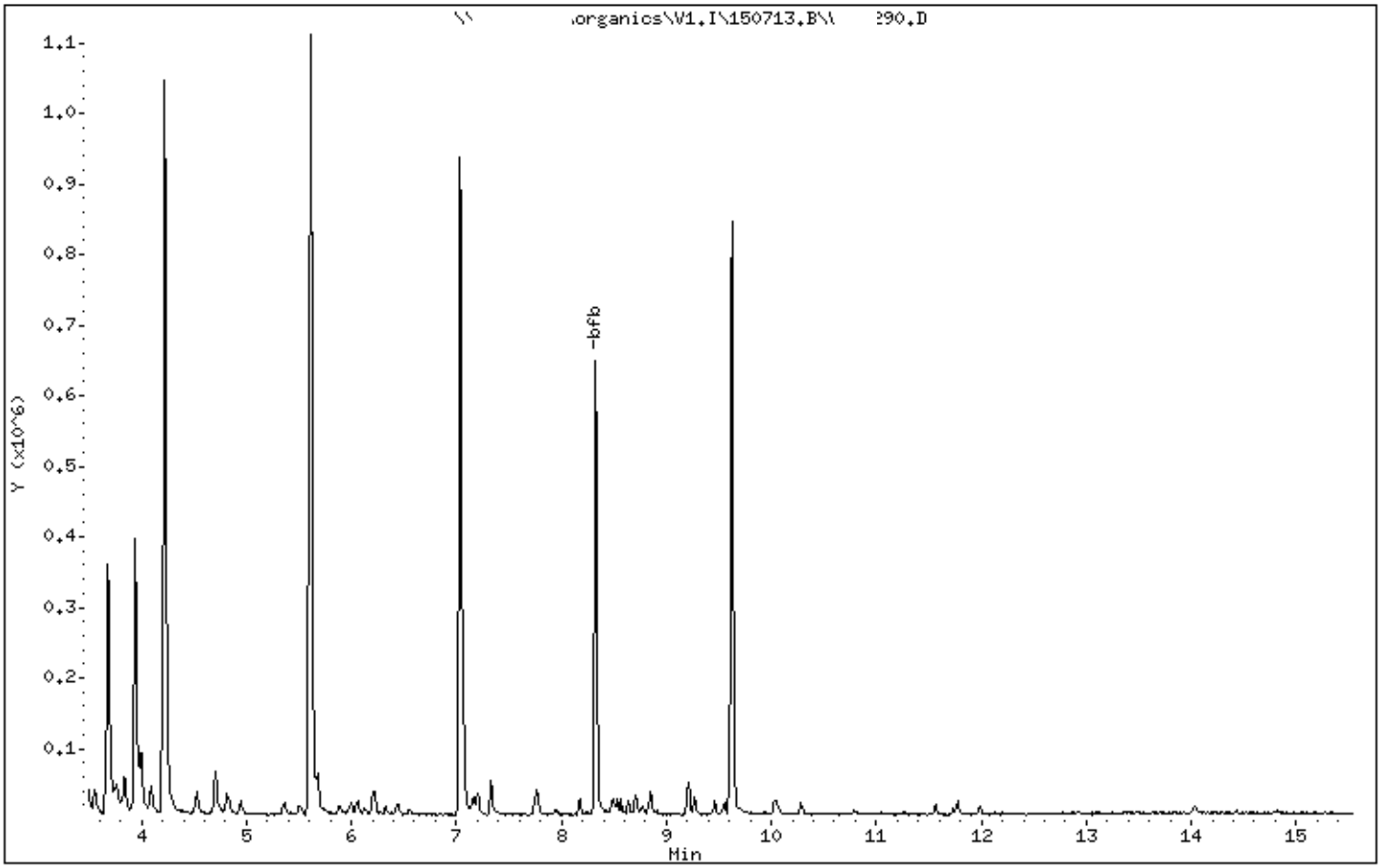
Instrument: V1.i

Sample Info: 2UL, 3FB,,880

Operator: SRC: LIMS

Column phase: DB-624

Column diameter: 0.25



Data File: \\ \organics\V1.I\150713.B\ 290.D

Date : 13-JUL-2015 09:58

Client ID: B1Z

Instrument: V1.i

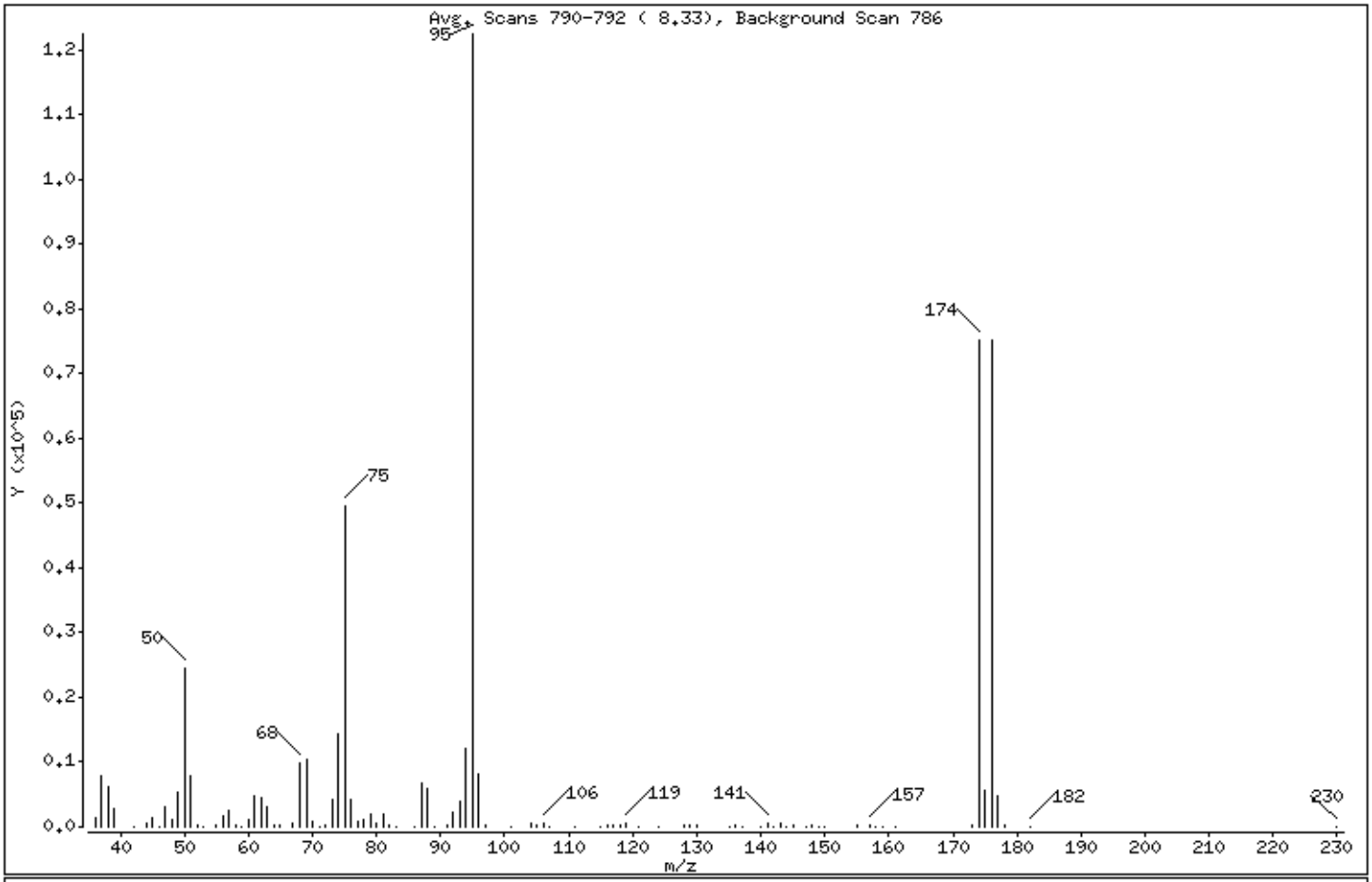
Sample Info: 2UL, BFB,,880

Operator: SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.09
75	30.00 - 80.00% of mass 95	40.43
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.13 (0.21)
174	50.00 - 120.00% of mass 95	61.46
175	5.00 - 9.00% of mass 174	4.50 (7.32)
176	95.00 - 101.00% of mass 174	61.31 (99.76)
177	5.00 - 9.00% of mass 176	3.93 (6.42)

Date : 13-JUL-2015 09:58

Client ID: B1Z Instrument: V1.i

Sample Info: 2UL, BFB,,880

Operator: SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Data File: 6290.D
Spectrum: Avg. Scans 790-792 (8.33), Background Scan 786
Location of Maximum: 95.00
Number of points: 96

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1520	65.00	245	94.00	11974	142.00	48
37.00	7989	67.00	424	95.00	122400	143.00	635
38.00	6090	68.00	9971	96.00	8085	144.00	47
39.00	2731	69.00	10360	97.00	338	145.00	197
42.00	72	70.00	889	101.00	36	147.00	41
44.00	508	71.00	126	104.00	447	148.00	172
45.00	1397	72.00	359	105.00	192	149.00	46
46.00	62	73.00	4289	106.00	488	150.00	93
47.00	3055	74.00	14255	107.00	36	155.00	206
48.00	1227	75.00	49488	111.00	50	157.00	246
49.00	5429	76.00	4339	115.00	128	158.00	46
50.00	24592	77.00	708	116.00	313	159.00	98
51.00	7813	78.00	1043	117.00	404	161.00	102
52.00	271	79.00	2000	118.00	302	173.00	161
53.00	62	80.00	665	119.00	601	174.00	75224
55.00	284	81.00	2044	121.00	37	175.00	5505
56.00	1708	82.00	383	124.00	43	176.00	75040
57.00	2661	83.00	36	128.00	369	177.00	4816
58.00	151	86.00	40	129.00	217	178.00	160
59.00	36	87.00	6684	130.00	421	182.00	37
60.00	1151	88.00	5960	135.00	46	230.00	34
61.00	4722	89.00	37	136.00	146		
62.00	4624	91.00	293	137.00	64		
63.00	3037	92.00	2205	140.00	49		
64.00	365	93.00	4062	141.00	664		

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
LK1A

Lab Name:
Contract:
Lab Code : Case No.: MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 5MB
Sample wt/vol: 5.00 (g/mL) g
Lab File ID: 6297.D/
% Solids:
Date Received:
GC Column (1): DB-624 ID: 0.25 (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/13/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	tert-Butyl Methyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
108-87-2	Methyl Cyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
LK1A

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 5MB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6297.D/
% Solids: | Date Received:
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/13/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: | Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane(EDB)	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene (Cumene)	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
LK1A

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 5MB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6297.D
% Solids: | Date Received:
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/13/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150713A.B\ 6297.D
Report Date: 15-Jul-2015 11:30

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713A.B\ 6297.D
Lab Smp Id: 5MB Client Smp ID: LK1A
Inj Date : 13-JUL-2015 13:55
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, MB,,881
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713A.B\V1_ _S.m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 10 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	79 Vinyl Chloride-d3	65	1.341	1.345	(0.311)	283989	48.0940	48
$	80 Chloroethane-d5	69	1.626	1.621	(0.378)	209770	47.8036	48
$	81 1,1-Dichloroethene-d2	65	2.109	2.104	(0.490)	108318	44.3176	44(Q)
$	82 2-Butanone-d5	46	3.281	3.285	(0.762)	373130	92.8459	93
$	83 Chloroform-d	84	3.537	3.542	(0.822)	394359	45.9961	46(Q)
$	23 1,2-Dichloroethane-d4	65	3.941	3.936	(0.915)	195650	44.7966	45
$	84 Benzene-d6	84	3.961	3.965	(0.562)	965056	45.9254	46
*	26 1,4-Difluorobenzene	114	4.305	4.300	(1.000)	716712	50.0000	
$	85 1,2-Dichloropropane-d6	67	4.630	4.625	(0.657)	332128	47.1327	47
$	33 Toluene-d8	98	5.615	5.610	(0.797)	726898	48.7306	49
$	86 trans-1,3-Dichloropropene-d4	79	5.852	5.856	(0.831)	270923	47.0709	47
$	87 2-Hexanone-d5	63	6.265	6.270	(0.890)	201599	94.3025	94
*	42 Chlorobenzene-d5	117	7.043	7.048	(1.000)	559289	50.0000	
$	89 1,1,2,2-Tetrachloroethane-d2	84	8.472	8.476	(1.203)	236989	46.0482	46
*	78 1,4-Dichlorobenzene-d4	152	9.624	9.629	(1.000)	236633	50.0000	
$	90 1,2-Dichlorobenzene-d4	152	10.008	10.013	(1.040)	204828	46.9893	47

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ \organics\V1.I\150713A.B\ 6297.D
Report Date: 15-Jul-2015 11:30

- Low/Med Volatiles

Data file : \\ \organics\V1.I\150713A.B\ 6297.D
Lab Smp Id: MB Client Smp ID: LK1A
Inj Date : 13-JUL-2015 13:55
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, MB,,881
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713A.B\V1_ _S.m
Meth Date : 15-Jul-2015 10:03 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 10 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

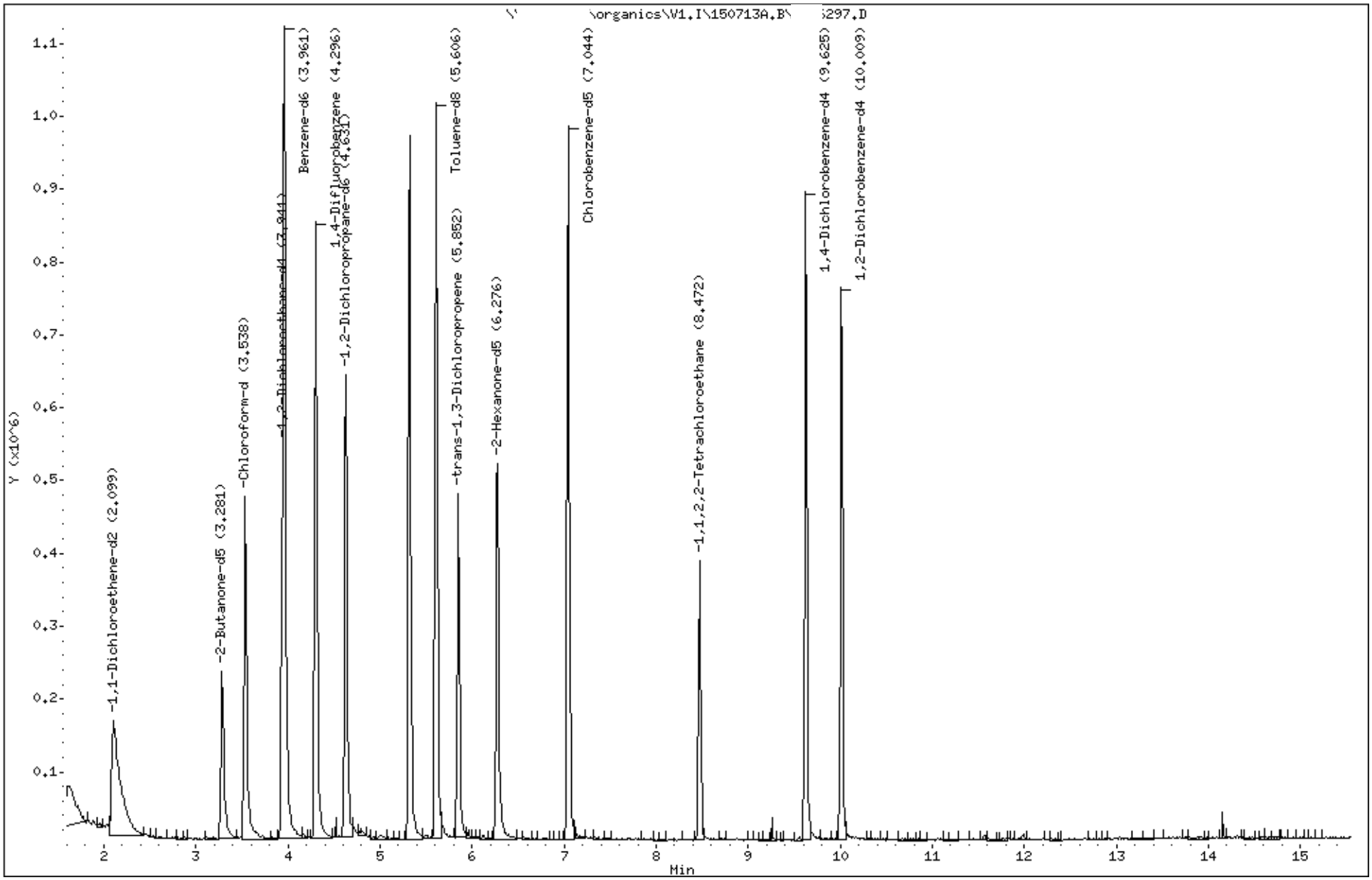
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ \organics\V1.I\150713A.B\ 5297.D
Date : 13-JUL-2015 13:55
Client ID: LK1A
Sample Info: 5G, MB,,881

Instrument: V1.i

Operator: SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
LK1B

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 9MB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6317.D/
% Solids: | Date Received:
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): ID: (mm) | Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	tert-Butyl Methyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
108-87-2	Methyl Cyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
LK1B

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 9MB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6317.D/
% Solids: | Date Received:
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/14/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: | Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane(EDB)	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene (Cumene)	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
LK1B

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 9MB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6317.D
% Solids: | Date Received:
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/14/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150713B.B\ 6317.D
Report Date: 15-Jul-2015 11:31

- Low/Med Volatiles
Data file : \\ \organics\V1.I\150713B.B\ 6317.D
Lab Smp Id: 9MB Client Smp ID: LK1B
Inj Date : 14-JUL-2015 00:29
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, MB,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\V1_ _S.m
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 34 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 79 Vinyl Chloride-d3	65	1.341	1.343	(0.312)	234122	45.2829	45
$ 80 Chloroethane-d5	69	1.627	1.638	(0.378)	189418	49.2993	49
$ 81 1,1-Dichloroethene-d2	65	2.110	2.121	(0.490)	98199	45.8865	46(Q)
$ 82 2-Butanone-d5	46	3.282	3.293	(0.762)	324563	92.2368	92
$ 83 Chloroform-d	84	3.538	3.549	(0.822)	361524	48.1580	48(Q)
$ 23 1,2-Dichloroethane-d4	65	3.942	3.943	(0.915)	181228	47.3907	47
$ 84 Benzene-d6	84	3.961	3.973	(0.562)	889608	45.5494	46
* 26 1,4-Difluorobenzene	114	4.306	4.308	(1.000)	627541	50.0000	
$ 85 1,2-Dichloropropane-d6	67	4.631	4.643	(0.657)	308289	47.0715	47
$ 33 Toluene-d8	98	5.616	5.618	(0.797)	660354	47.6309	48
$ 86 trans-1,3-Dichloropropene-d4	79	5.853	5.864	(0.831)	248292	46.4144	46
$ 87 2-Hexanone-d5	63	6.276	6.278	(0.891)	187227	94.2295	94(Q)
* 42 Chlorobenzene-d5	117	7.044	7.056	(1.000)	519820	50.0000	
$ 89 1,1,2,2-Tetrachloroethane-d2	84	8.482	8.484	(1.204)	225802	47.2058	47
* 78 1,4-Dichlorobenzene-d4	152	9.635	9.636	(1.000)	214930	50.0000	
$ 90 1,2-Dichlorobenzene-d4	152	10.019	10.020	(1.040)	193079	48.7666	49

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ \organics\V1.I\150713B.B\ 6317.D
Report Date: 15-Jul-2015 11:31

Low/Med Volatiles

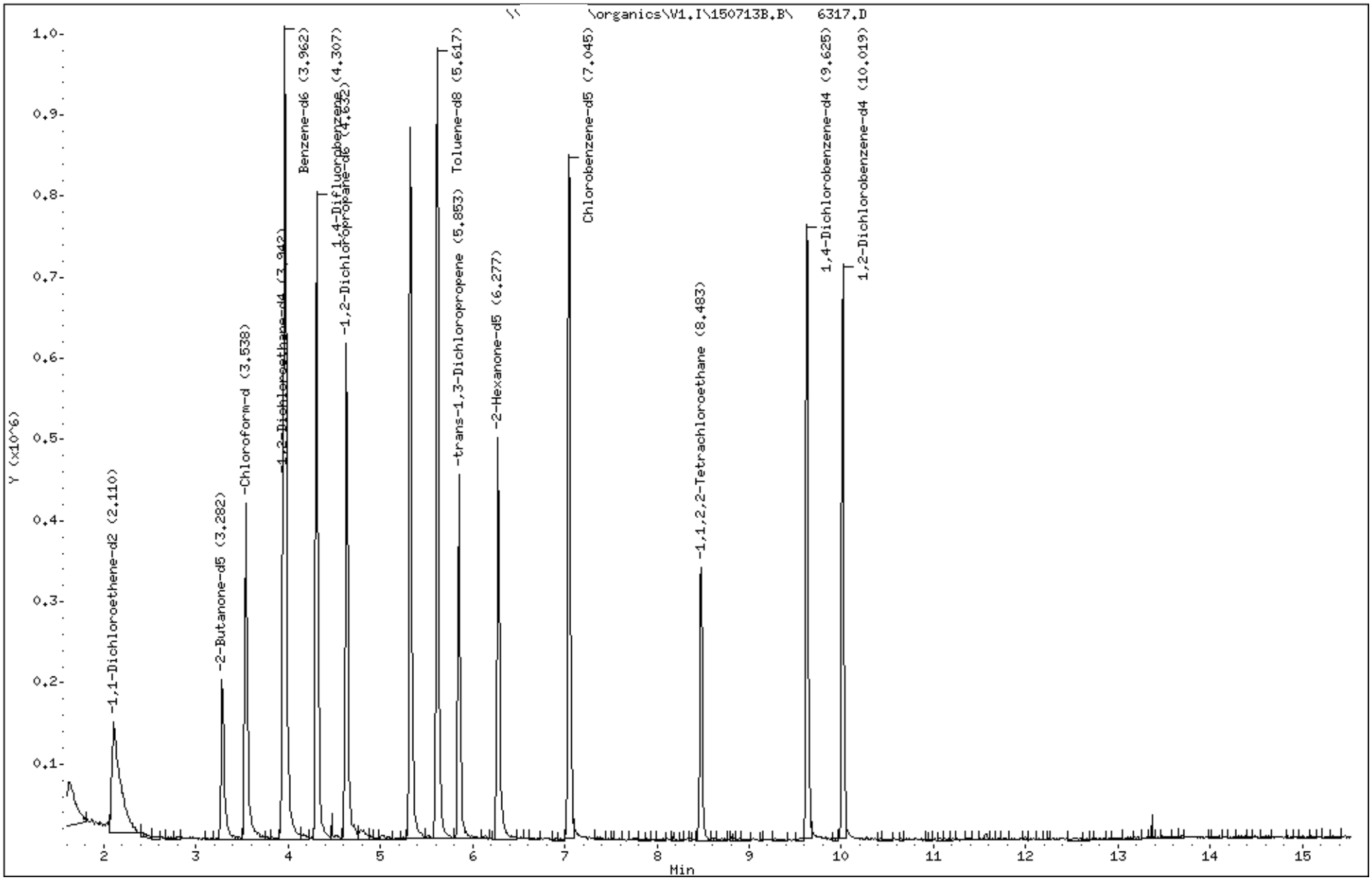
Data file : \\ \organics\V1.I\150713B.B\ 6317.D
Lab Smp Id: MB Client Smp ID: LK1B
Inj Date : 14-JUL-2015 00:29
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, MB,,883
Misc Info :
Comment :
Method : \\ \organics\V1.I\150713B.B\V1_ _S.m
Meth Date : 15-Jul-2015 10:04 Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 34 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ \organics\V1.I\150713B.B\ 6317.D
Date : 14-JUL-2015 00:29
Client ID: LK1B
Sample Info: 5G, MB,,883

Instrument: V1.i

Operator: . SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
LK1E

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 3MB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6373.D/
% Solids: | Date Received:
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/15/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: | Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	tert-Butyl Methyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
108-87-2	Methyl Cyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
LK1E

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 3MB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6373.D/
% Solids: | Date Received:
GC Column (1): DB-624 ID: 0.25 (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/15/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: | Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane(EDB)	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene (Cumene)	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
LK1E

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 3MB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6373.D
% Solids: | Date Received:
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/15/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150715.B\ 6373.D
Report Date: 16-Jul-2015 11:23

- Low/Med Volatiles

Data file : \\ \organics\V1.I\150715.B\ 6373.D
Lab Smp Id: 3MB Client Smp ID: LK1E
Inj Date : 15-JUL-2015 10:39
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 3MB,,894
Misc Info :
Comment :
Method : \\ \organics\V1.I\150715.B\V1_ S.m
Meth Date : 16-Jul-2015 11:21 V1.i Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 18 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 79 Vinyl Chloride-d3	65	1.347	1.336	(0.312)	272719	49.2404	49
$ 80 Chloroethane-d5	69	1.633	1.621	(0.379)	207934	50.5196	51
$ 81 1,1-Dichloroethene-d2	65	2.125	2.104	(0.493)	117989	51.4676	51(Q)
$ 82 2-Butanone-d5	46	3.287	3.286	(0.762)	300535	79.7287	80
$ 83 Chloroform-d	84	3.553	3.542	(0.824)	377565	46.9502	47(Q)
$ 23 1,2-Dichloroethane-d4	65	3.947	3.946	(0.915)	182825	44.6290	45
$ 84 Benzene-d6	84	3.977	3.966	(0.563)	917557	46.0489	46
* 26 1,4-Difluorobenzene	114	4.312	4.310	(1.000)	672245	50.0000	
$ 85 1,2-Dichloropropane-d6	67	4.647	4.635	(0.658)	316303	47.3375	47
$ 33 Toluene-d8	98	5.622	5.620	(0.796)	691237	48.8698	49
$ 86 trans-1,3-Dichloropropene-d4	79	5.858	5.857	(0.830)	251197	46.0263	46
$ 87 2-Hexanone-d5	63	6.282	6.280	(0.890)	171494	84.5997	85(Q)
* 42 Chlorobenzene-d5	117	7.060	7.048	(1.000)	530336	50.0000	
$ 89 1,1,2,2-Tetrachloroethane-d2	84	8.488	8.486	(1.202)	218404	44.7539	45
* 78 1,4-Dichlorobenzene-d4	152	9.640	9.629	(1.000)	228919	50.0000	
$ 90 1,2-Dichlorobenzene-d4	152	10.024	10.023	(1.040)	194755	46.1840	46

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ \organics\V1.I\150715.B\ 6373.D
Report Date: 16-Jul-2015 11:23

- Low/Med Volatiles

Data file : \\ \organics\V1.I\150715.B\ 6373.D
Lab Smp Id: 3MB Client Smp ID: LK1E
Inj Date : 15-JUL-2015 10:39
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G 3MB,,894
Misc Info :
Comment :
Method : \\ \organics\V1.I\150715.B\V1_ _S.m
Meth Date : 16-Jul-2015 11:21 V1.i Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 18 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

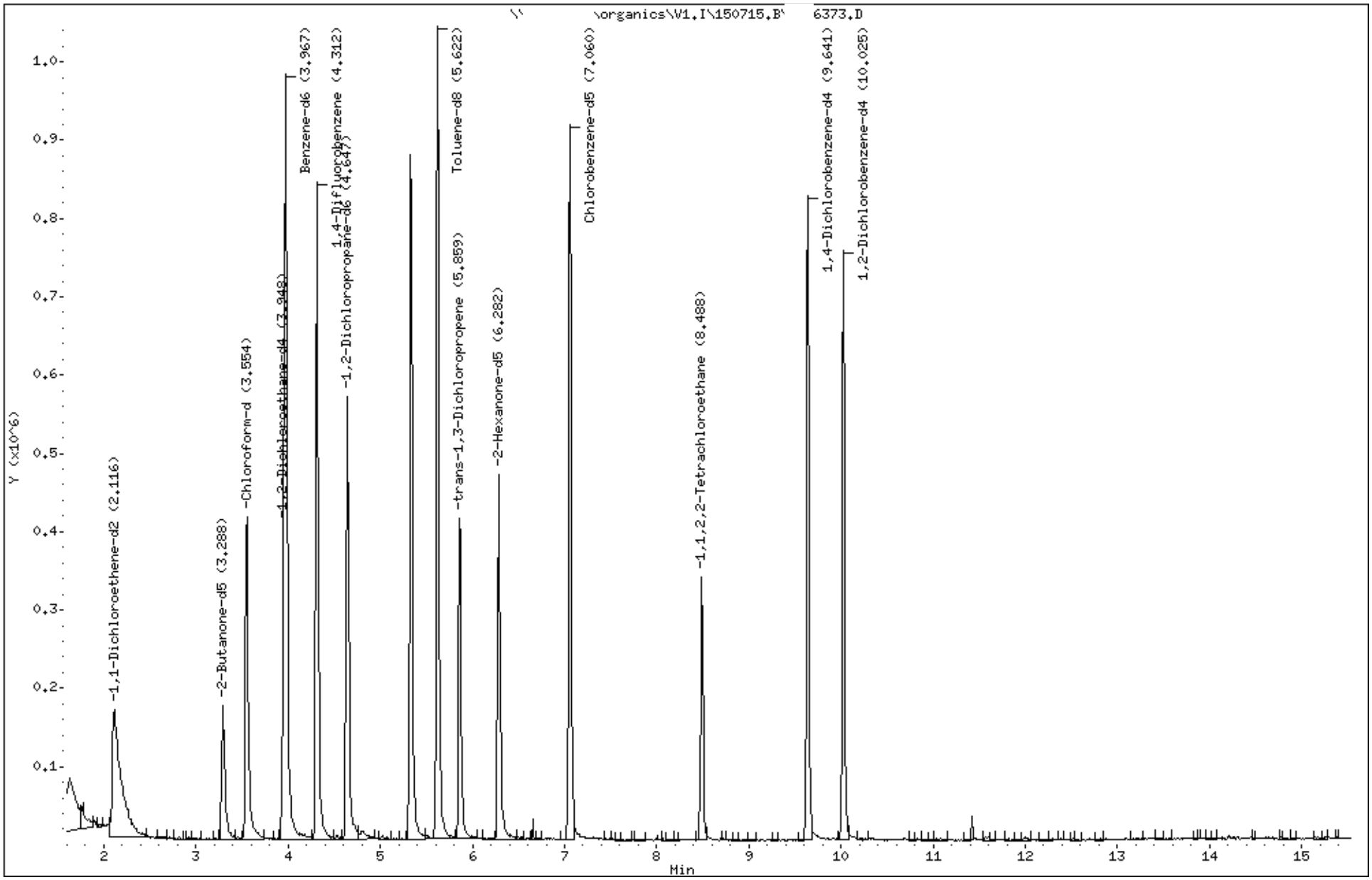
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ \organics\V1.I\150715.B\ 6373.D
Date : 15-JUL-2015 10:39
Client ID: LK1E
Sample Info: 5G, MB,,894

Instrument: V1.i

Operator: SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
LK1F

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 6SB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6382.D/
% Solids: | Date Received: 07/15/2015
GC Column (1): ID: (mm) | Date Extracted:
GC Column (2): ID: (mm) | Date Analyzed 07/15/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl Acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	tert-Butyl Methyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
108-87-2	Methyl Cyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
LK1F

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 6SB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6382.D/
% Solids: | Date Received: 07/15/2015
GC Column (1): ID: (mm) | Date Extracted:
GC Column (2): ID: (mm) | Date Analyzed 07/15/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane(EDB)	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene (Cumene)	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1B-OR
ORGANIC ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
LK1F

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 6SB
Sample wt/vol: 5.00 (g/mL) g | Lab File ID: 6382.D
% Solids: | Date Received: 07/15/2015
GC Column: DB-624 ID: 0.25 (mm) | Date Extracted:
Extract Concentrated:(Y/N) N | Date Analyzed 07/15/2015
Soil Aliquot (VOA): (uL) | Extract Volume: (uL)
Heated Purge: (Y/N) Y | Extraction Type:
Purge Volume: 10.0 (mL) | Injection Volume: (uL)
Cleanup Types: | pH: Dilution Factor: 1.0
Concentration Units (ug/L, ug/kg): | Cleanup Factor:

	CAS NO.	ANALYTE	RT	EST. CONC.	Q
01	E966796[2]	Total Alkanes		0	

[2] EPA-designated Registry Number.

Data File: \\ \organics\V1.I\150715.B\ 6382.D
Report Date: 16-Jul-2015 11:23

- Low/Med Volatiles

Data file : \\ \organics\V1.I\150715.B\ 6382.D
Lab Smp Id: 6SB Client Smp ID: LK1F
Inj Date : 15-JUL-2015 14:36
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 6SB,,894
Misc Info :
Comment :
Method : \\ \organics\V1.I\150715.B\V1 _S.m
Meth Date : 16-Jul-2015 11:21 V1.i Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 27 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 79 Vinyl Chloride-d3	65	1.337	1.336	(0.310)	307479	47.3943	47
$ 80 Chloroethane-d5	69	1.632	1.621	(0.379)	237042	49.1659	49
$ 81 1,1-Dichloroethene-d2	65	2.105	2.104	(0.488)	131287	48.8898	49(Q)
$ 82 2-Butanone-d5	46	3.287	3.286	(0.762)	326187	73.8738	74
$ 83 Chloroform-d	84	3.553	3.542	(0.824)	434838	46.1613	46(Q)
$ 23 1,2-Dichloroethane-d4	65	3.947	3.946	(0.915)	205673	42.8611	43
$ 84 Benzene-d6	84	3.976	3.966	(0.563)	1077781	45.9017	46
* 26 1,4-Difluorobenzene	114	4.311	4.310	(1.000)	787451	50.0000	
$ 85 1,2-Dichloropropane-d6	67	4.636	4.635	(0.657)	364828	46.3342	46
$ 33 Toluene-d8	98	5.621	5.620	(0.796)	800209	48.0097	48
$ 86 trans-1,3-Dichloropropene-d4	79	5.858	5.857	(0.830)	280993	43.6917	44
$ 87 2-Hexanone-d5	63	6.281	6.280	(0.890)	183990	77.0241	77(Q)
* 42 Chlorobenzene-d5	117	7.059	7.048	(1.000)	624941	50.0000	
$ 89 1,1,2,2-Tetrachloroethane-d2	84	8.487	8.486	(1.202)	243483	42.3400	42
* 78 1,4-Dichlorobenzene-d4	152	9.640	9.629	(1.000)	267988	50.0000	
$ 90 1,2-Dichlorobenzene-d4	152	10.024	10.023	(1.040)	227299	46.0434	46

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ \organics\V1.I\150715.B\ 6382.D
Report Date: 16-Jul-2015 11:23

- Low/Med Volatiles

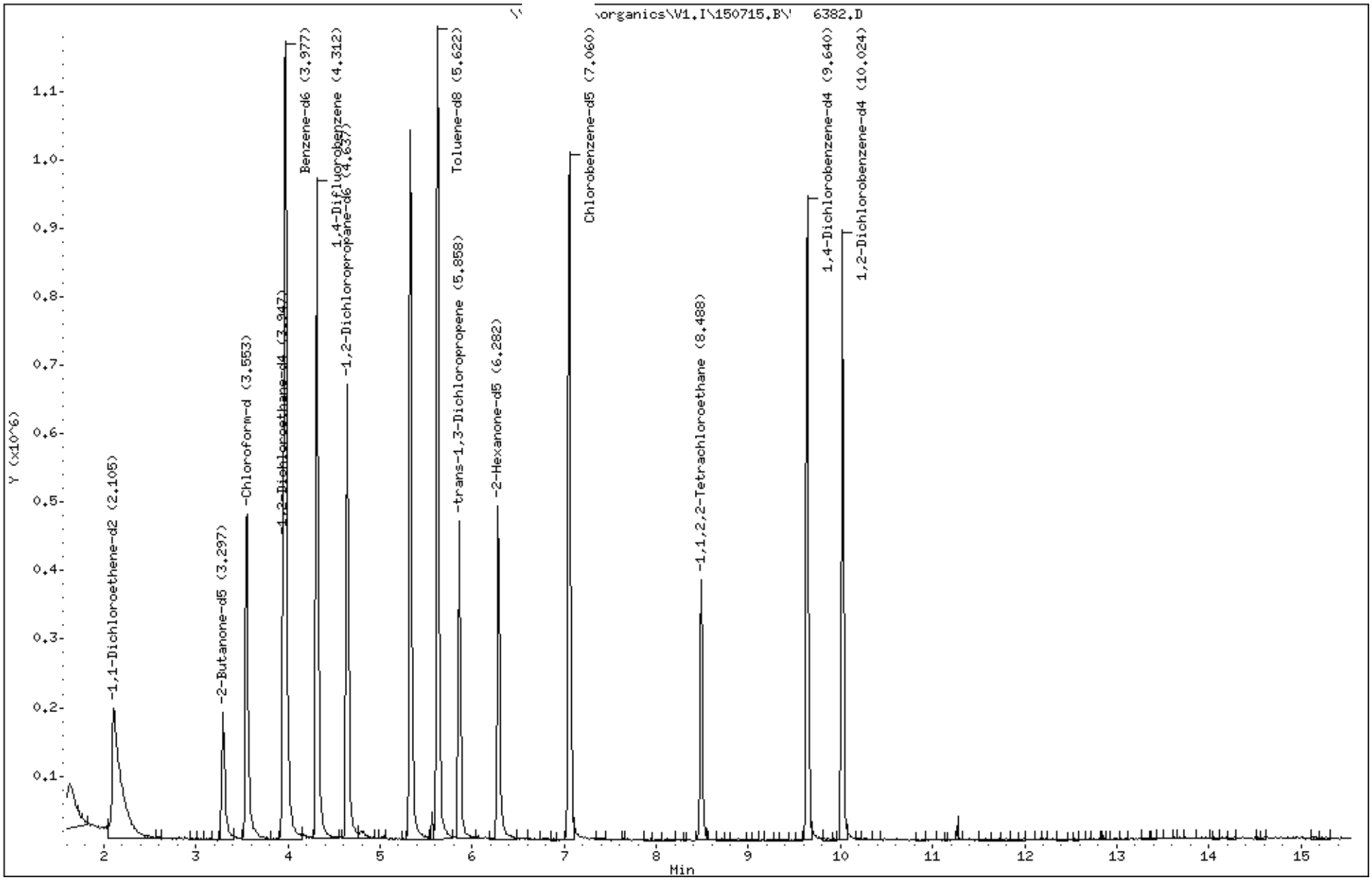
Data file : \\ \organics\V1.I\150715.B\ 6382.D
Lab Smp Id: 6SB Client Smp ID: LK1F
Inj Date : 15-JUL-2015 14:36
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 6SB,,894
Misc Info :
Comment :
Method : \\ \organics\V1.I\150715.B\V1 _S.m
Meth Date : 16-Jul-2015 11:21 V1.i Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 27 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ \organics\V1.I\150715.B\ 6382.D
Date : 15-JUL-2015 14:36
Client ID: LK1F
Sample Info: 5G, SB,,894

Instrument: V1.i

Operator: . SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
955MS

Lab Name:
Contract:
Lab Code : Case No.:
MA No.: SDG No.: 954
Analytical Method: VOA
Level: LOW
Matrix: SOIL
Lab Sample ID 078503
Sample wt/vol: 5.80 (g/mL) g
Lab File ID: 6374.D
% Solids: 63
Date Received: 07/08/2015
GC Column (1): ID: (mm)
Date Extracted:
GC Column (2): ID: (mm)
Date Analyzed 07/15/2015
Extract Concentrated:(Y/N) N
Extract Volume: (uL)
Soil Aliquot (VOA): (uL)
Extraction Type:
Heated Purge: (Y/N) Y
Injection Volume: (uL)
Purge Volume: 10.0 (mL)
pH: Dilution Factor: 1.0
Cleanup Types:
Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	6.9	U
74-87-3	Chloromethane	6.9	U
75-01-4	Vinyl chloride	6.9	U
74-83-9	Bromomethane	6.9	U
75-00-3	Chloroethane	6.9	U
75-69-4	Trichlorofluoromethane	6.9	U
75-35-4	1,1-Dichloroethene	54	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.9	U
67-64-1	Acetone	120	
75-15-0	Carbon disulfide	6.9	U
79-20-9	Methyl Acetate	6.9	U
75-09-2	Methylene chloride	6.9	U
156-60-5	trans-1,2-Dichloroethene	6.9	U
1634-04-4	tert-Butyl Methyl Ether	6.9	U
75-34-3	1,1-Dichloroethane	6.9	U
156-59-2	cis-1,2-Dichloroethene	6.9	U
78-93-3	2-Butanone	11	J
67-66-3	Chloroform	6.9	U
71-55-6	1,1,1-Trichloroethane	6.9	U
110-82-7	Cyclohexane	6.9	U
56-23-5	Carbon tetrachloride	6.9	U
71-43-2	Benzene	78	
107-06-2	1,2-Dichloroethane	6.9	U
79-01-6	Trichloroethene	74	
108-87-2	Methyl Cyclohexane	6.9	U
78-87-5	1,2-Dichloropropane	6.9	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
955MS

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078503
Sample wt/vol: 5.80 (g/mL) g | Lab File ID: 6374.D
% Solids: 63 | Date Received: 07/08/2015
GC Column (1): | ID: (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/15/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: | Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	6.9	U
10061-01-5	cis-1,3-Dichloropropene	6.9	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	75	
10061-02-6	trans-1,3-Dichloropropene	6.9	U
79-00-5	1,1,2-Trichloroethane	6.9	U
127-18-4	Tetrachloroethene	6.9	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	6.9	U
106-93-4	1,2-Dibromoethane(EDB)	6.9	U
108-90-7	Chlorobenzene	71	
100-41-4	Ethylbenzene	6.9	U
95-47-6	o-Xylene	6.9	U
179601-23-1	m,p-Xylene	6.9	U
100-42-5	Styrene	6.9	U
75-25-2	Bromoform	6.9	U
98-82-8	Isopropylbenzene (Cumene)	6.9	U
79-34-5	1,1,2,2-Tetrachloroethane	6.9	U
541-73-1	1,3-Dichlorobenzene	6.9	U
106-46-7	1,4-Dichlorobenzene	6.9	U
95-50-1	1,2-Dichlorobenzene	6.9	U
96-12-8	1,2-Dibromo-3-chloropropane	6.9	U
120-82-1	1,2,4-Trichlorobenzene	6.9	U
74-97-5	Bromochloromethane	6.9	U
87-61-6	1,2,3-Trichlorobenzene	6.9	U

Data File: \\ \organics\V1.I\150715.B\ 6374.D
Report Date: 16-Jul-2015 11:23

- Low/Med Volatiles

Data file : \\ \organics\V1.I\150715.B\ 6374.D
Lab Smp Id: 078503 Client Smp ID: 955MS
Inj Date : 15-JUL-2015 11:05
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : SG, 78503,,894
Misc Info :
Comment :
Method : \\ \organics\V1.I\150715.B\V1 _S.m
Meth Date : 16-Jul-2015 11:21 V1.i Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 19 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.800	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$	79 Vinyl Chloride-d3	65	1.342	1.336	(0.311)	218330	55.7465	48
$	80 Chloroethane-d5	69	1.627	1.621	(0.377)	164723	56.5961	49
$	81 1,1-Dichloroethene-d2	65	2.110	2.104	(0.489)	94519	58.3055	50(QR)
	7 1,1-Dichloroethene	96	2.120	2.114	(0.491)	156787	39.0899	34(Q)
	9 Acetone	43	2.139	2.133	(0.496)	191600	90.2977	78
$	82 2-Butanone-d5	46	3.292	3.286	(0.763)	274940	103.147	89
	16 2-Butanone	43	3.341	3.335	(0.774)	25746	8.36865	7.2
$	83 Chloroform-d	84	3.548	3.542	(0.822)	294039	51.7069	45(Q)
$	23 1,2-Dichloroethane-d4	65	3.952	3.946	(0.916)	148268	51.1831	44
$	84 Benzene-d6	84	3.971	3.966	(0.562)	710598	54.3540	47
	25 Benzene	78	4.011	3.995	(0.568)	844954	56.7944	49
*	26 1,4-Difluorobenzene	114	4.316	4.310	(1.000)	475368	50.0000	
	27 Trichloroethene	95	4.533	4.527	(0.642)	183956	53.8800	46
$	85 1,2-Dichloropropane-d6	67	4.641	4.635	(0.657)	243002	55.4285	48
$	33 Toluene-d8	98	5.636	5.620	(0.798)	505233	54.4411	47
	34 Toluene	91	5.695	5.679	(0.806)	732283	54.7834	47
$	86 trans-1,3-Dichloropropene-d4	79	5.872	5.857	(0.831)	189773	52.9966	46
$	87 2-Hexanone-d5	63	6.296	6.280	(0.891)	142943	107.474	93(Q)
*	42 Chlorobenzene-d5	117	7.064	7.048	(1.000)	347960	50.0000	
	43 Chlorobenzene	112	7.104	7.078	(1.006)	407594	51.5555	44
$	89 1,1,2,2-Tetrachloroethane-d2	84	8.502	8.486	(1.204)	164657	51.4247	44

Data File: \\ \organics\V1.I\150715.B\ 6374.D
Report Date: 16-Jul-2015 11:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 78 1,4-Dichlorobenzene-d4	152	9.645	9.629	(1.000)	123995	50.0000	
$ 90 1,2-Dichlorobenzene-d4	152	10.029	10.023	(1.040)	118201	51.7490	45

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\ \organics\V1.I\150715.B\ 6374.D
Report Date: 16-Jul-2015 11:23

- Low/Med Volatiles

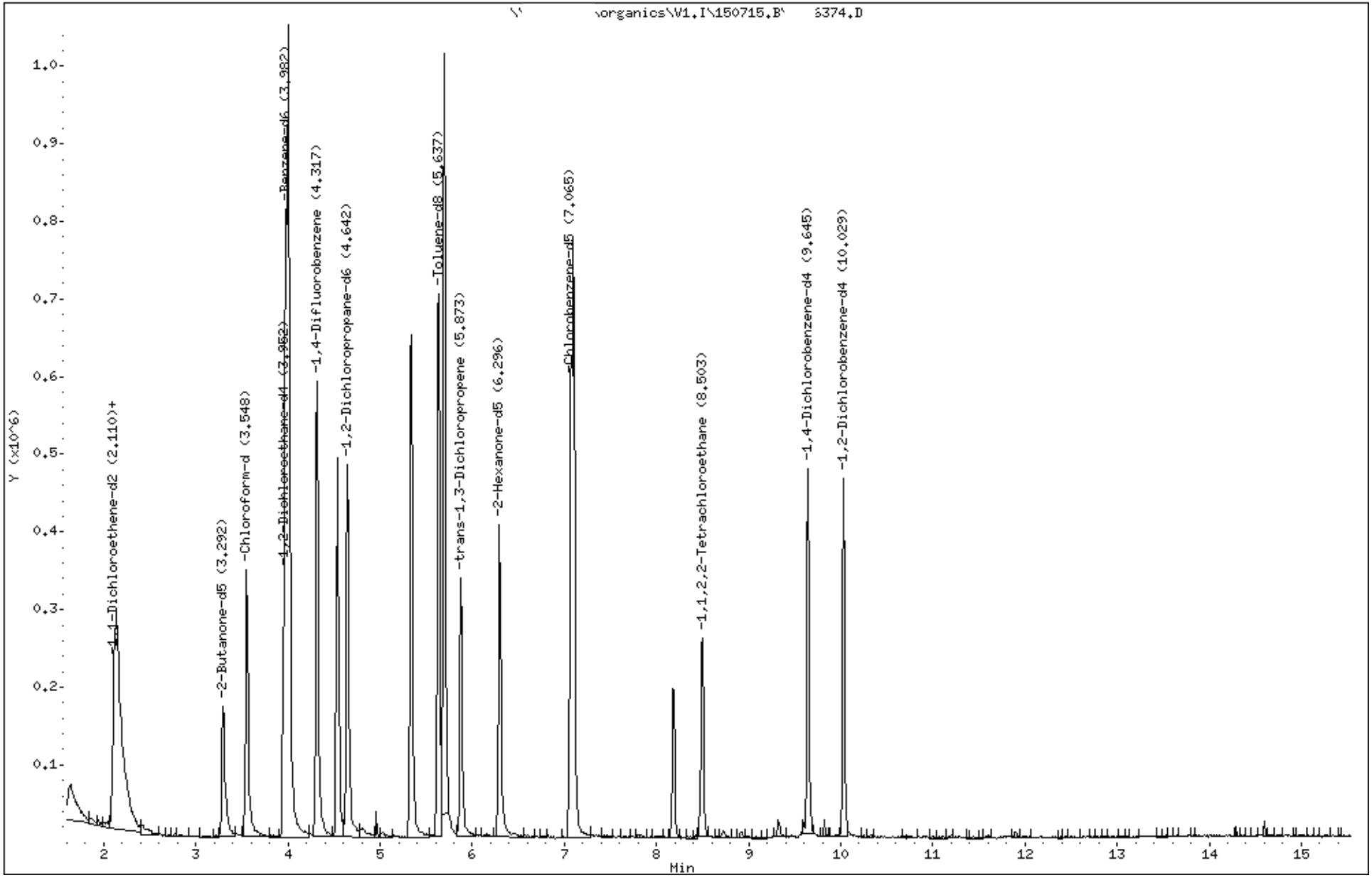
Data file : \\ \organics\V1.I\150715.B\ 6374.D
Lab Smp Id: 078503 Client Smp ID: 955MS
Inj Date : 15-JUL-2015 11:05
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : 5G, 078503,,894
Misc Info :
Comment :
Method : \\ \organics\V1.I\150715.B\V1_ _S.m
Meth Date : 16-Jul-2015 11:21 V1.i Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 19 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \ \organics\V1.I\150715.B\ 6374.D
Date : 15-JUL-2015 11:05
Client ID: 955MS
Sample Info: 5G, 078503,,894

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ \organics\V1.I\150715.B\ 374.D

Date : 15-JUL-2015 11:05

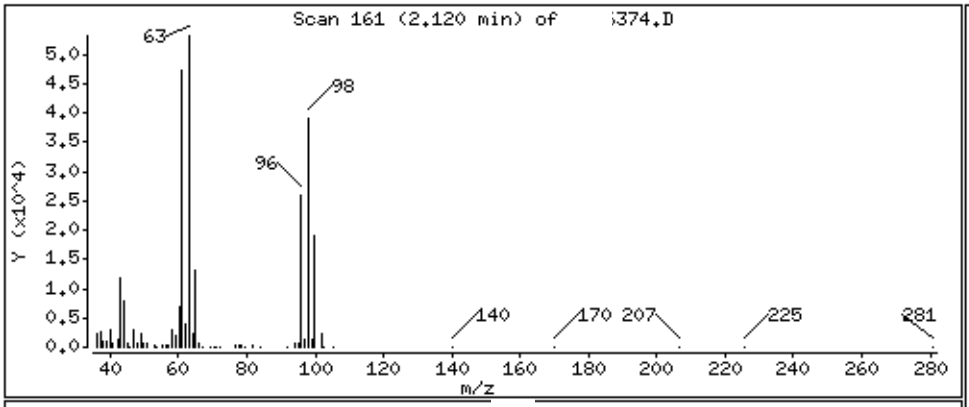
Client ID: 55MS Instrument: V1.i

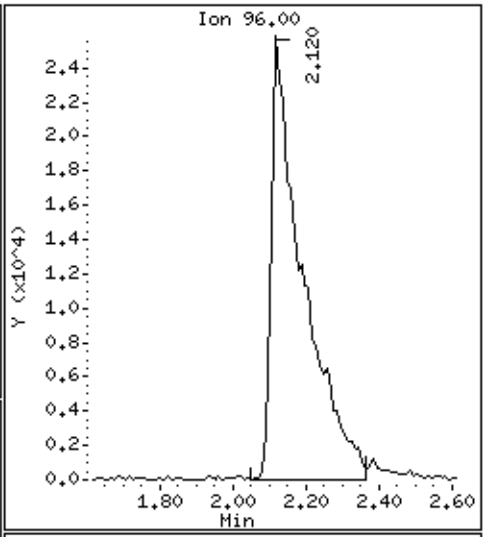
Sample Info: 5G, 078503,,894

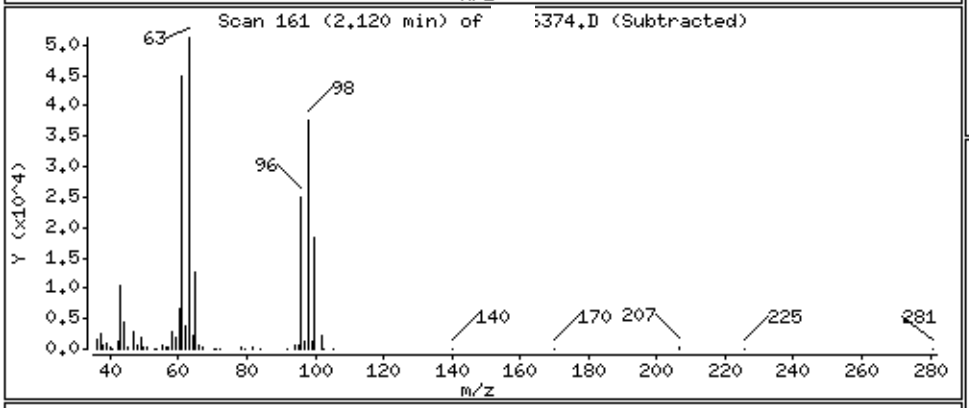
Operator: SRC: LIMS

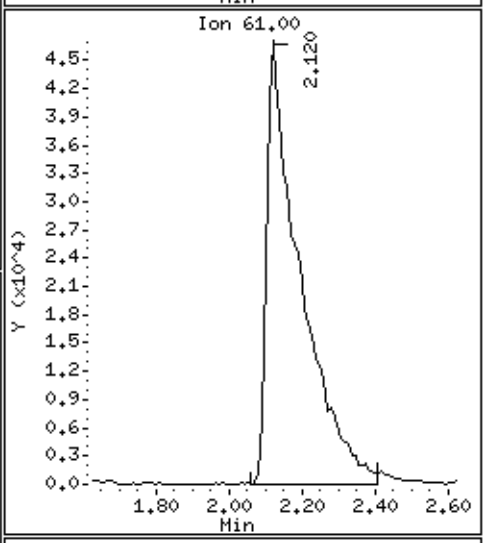
Column phase: DB-624 Column diameter: 0.25

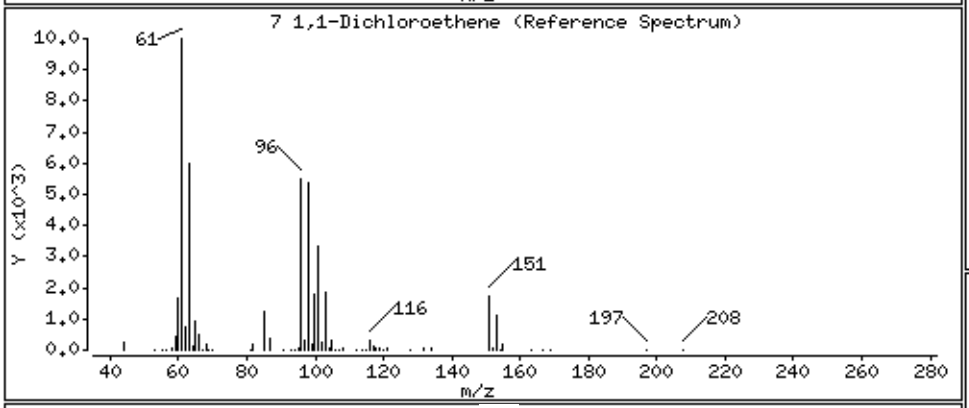
7 1,1-Dichloroethene Concentration: 34 ug/Kg

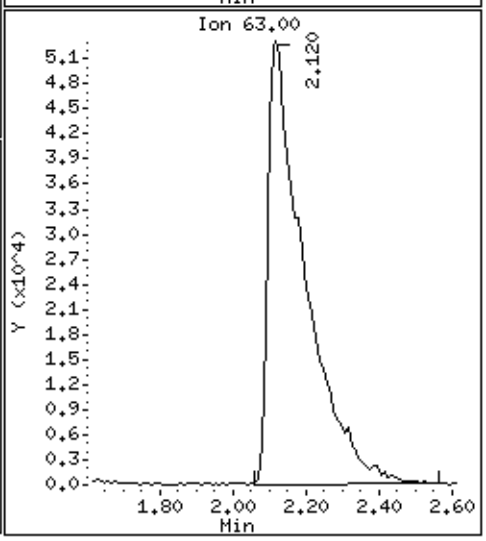


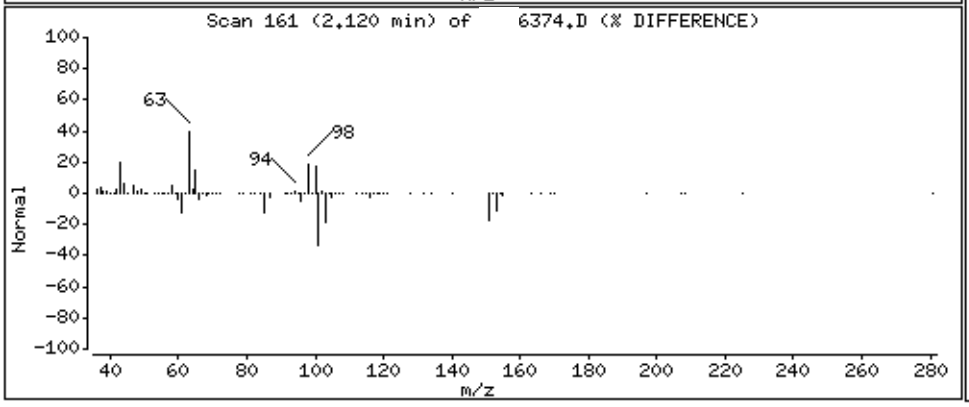












Data File: \' \organics\V1.I\150715.B\ 6374.D

Date : 15-JUL-2015 11:05

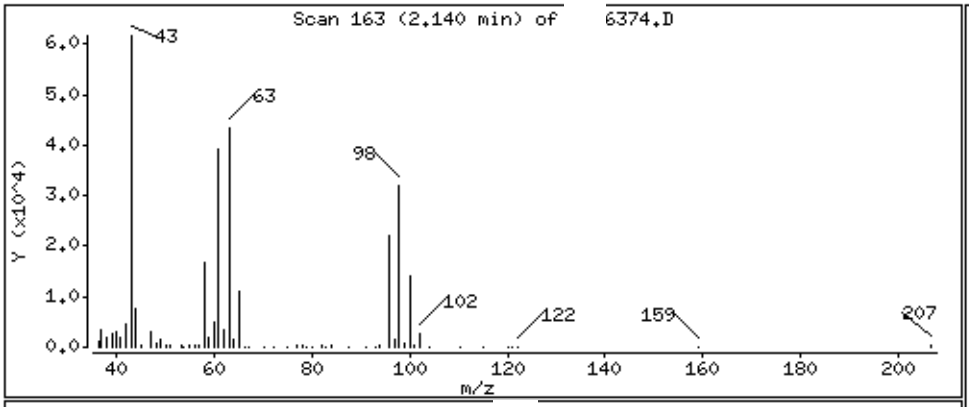
Client ID: 055MS Instrument: V1.i

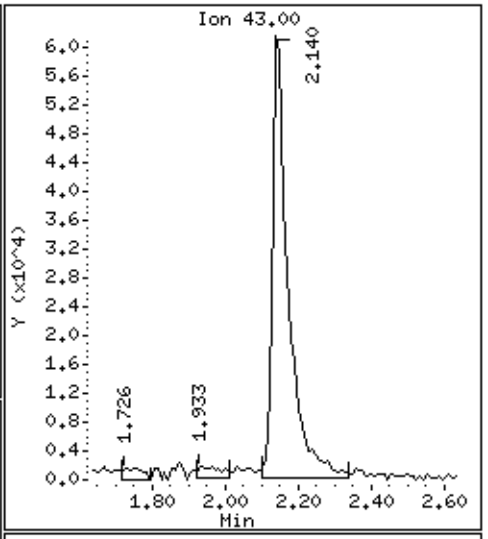
Sample Info: 5G, 078503,,894

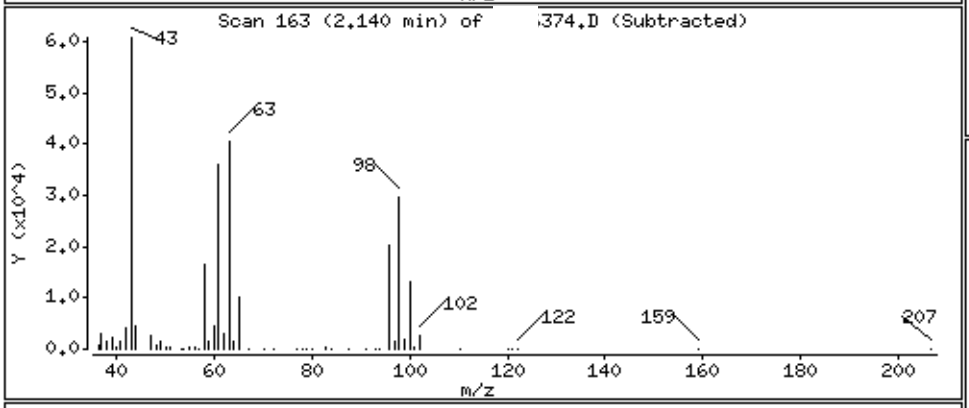
Operator: SRC: LIMS

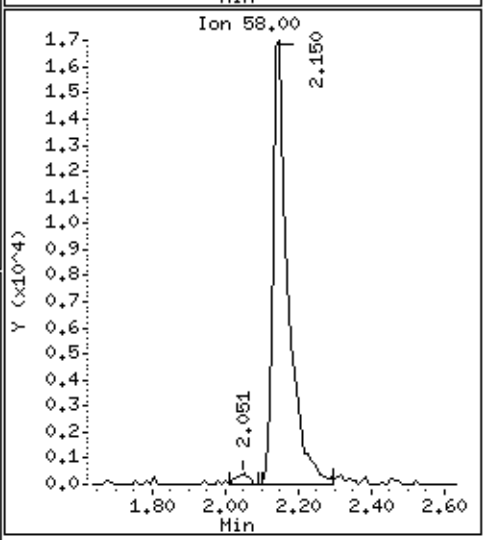
Column phase: DB-624 Column diameter: 0.25

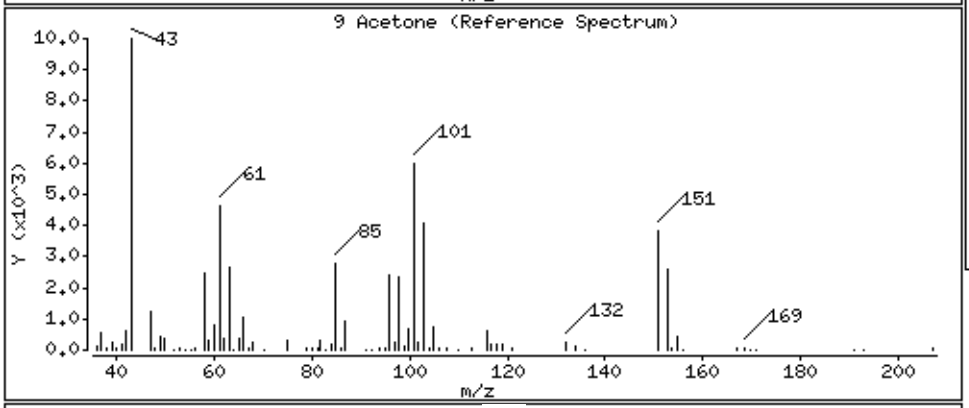
9 Acetone Concentration: 78 ug/Kg

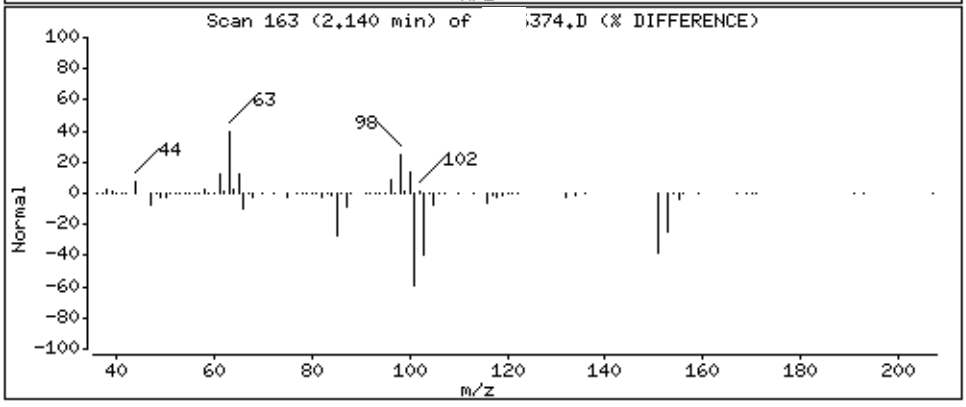












Data File: \\ \organics\V1.I\150715.B\ 6374.D

Date : 15-JUL-2015 11:05

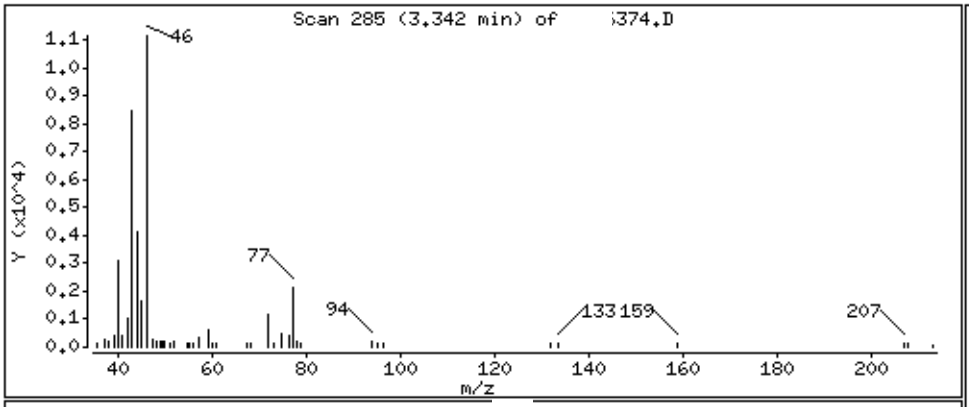
Client ID: 55MS Instrument: V1.i

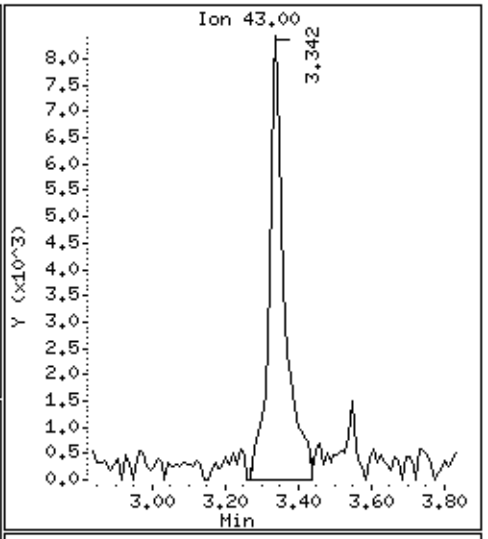
Sample Info: 5G, 78503,,894

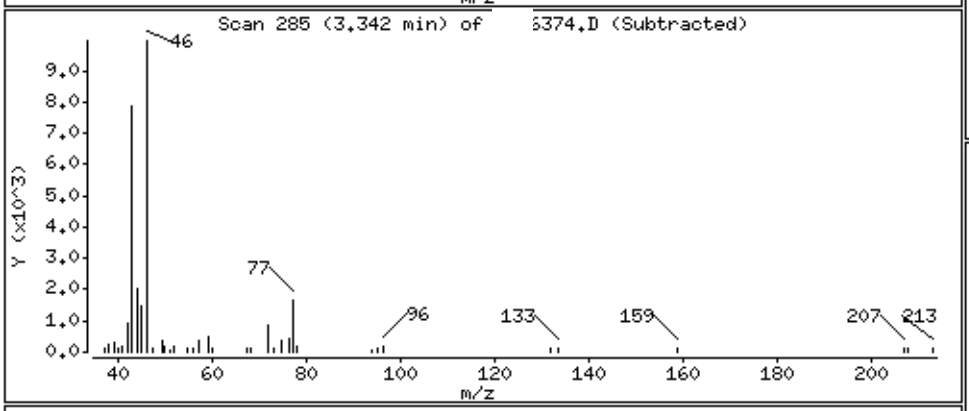
Operator: SRC: LIMS

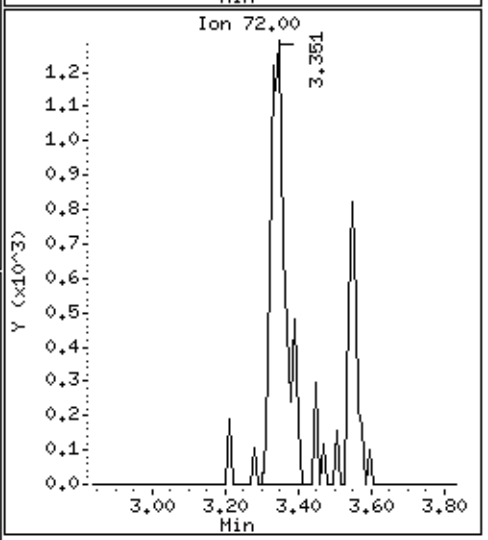
Column phase: DB-624 Column diameter: 0.25

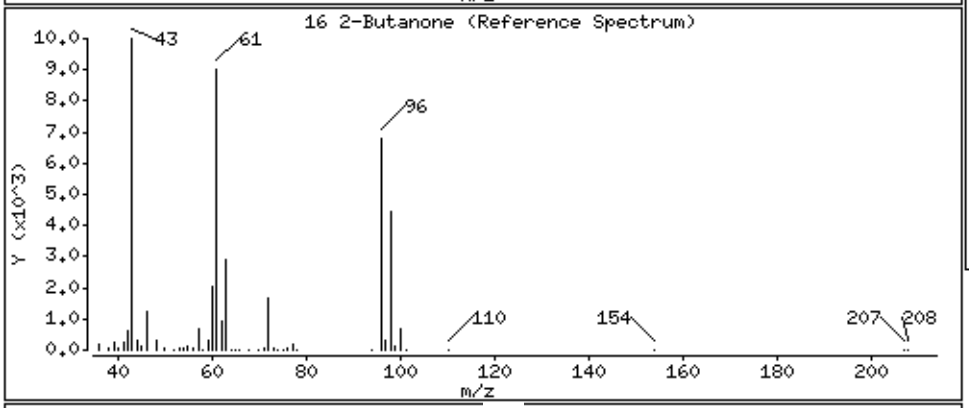
16 2-Butanone Concentration: 7.2 ug/Kg

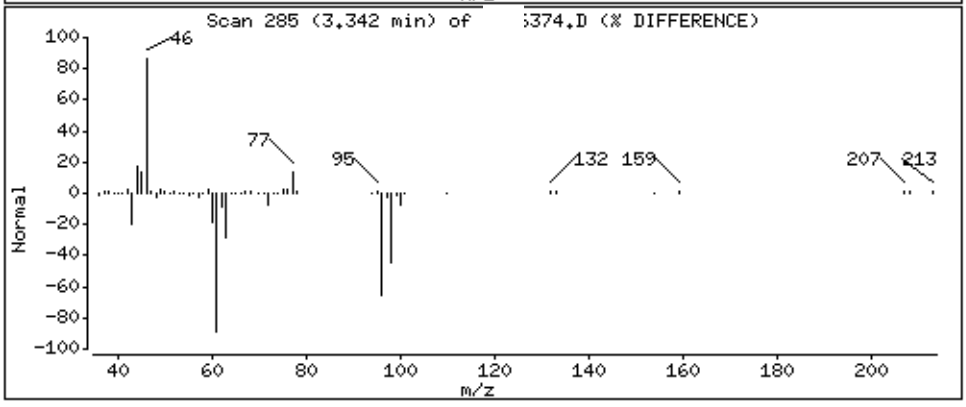












Data File: \\ \organics\V1.I\150715.B\ 6374.D

Date : 15-JUL-2015 11:05

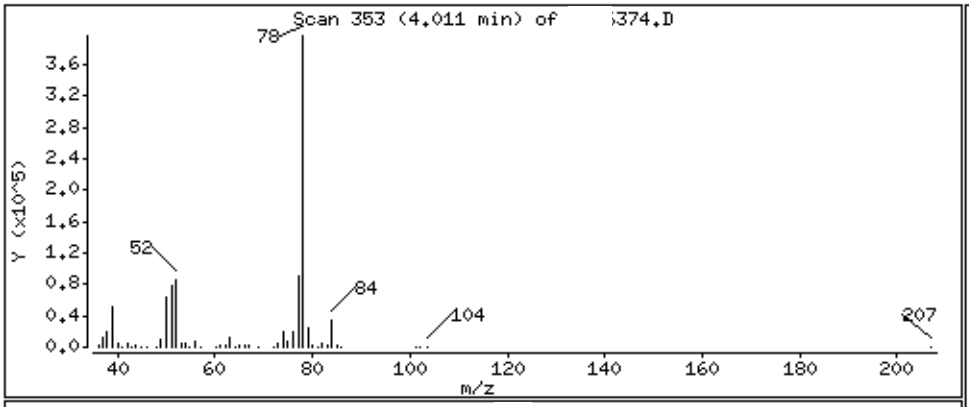
Client ID: 955MS Instrument: V1.i

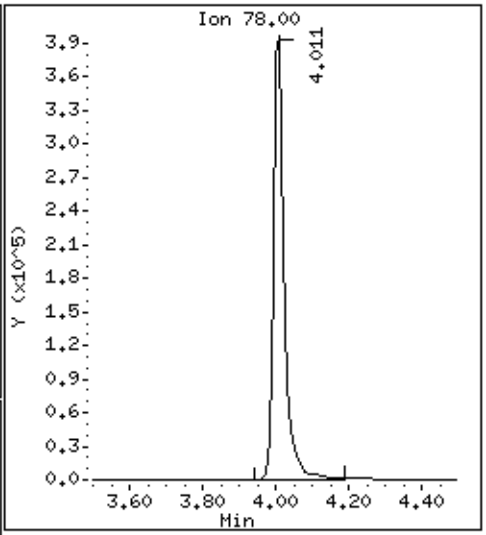
Sample Info: 5G, 78503,,894

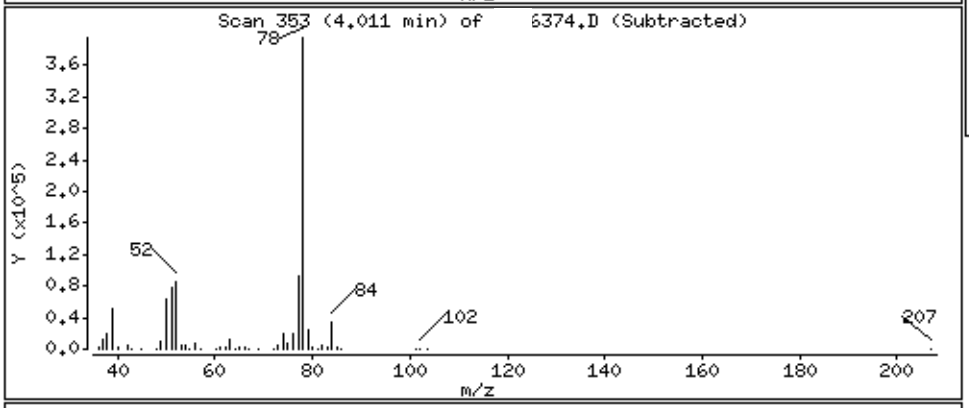
Operator: SRC: LIMS

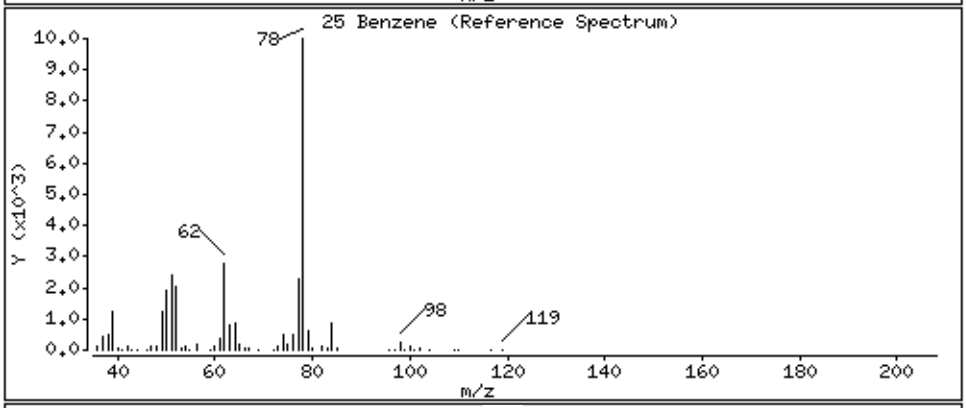
Column phase: DB-624 Column diameter: 0.25

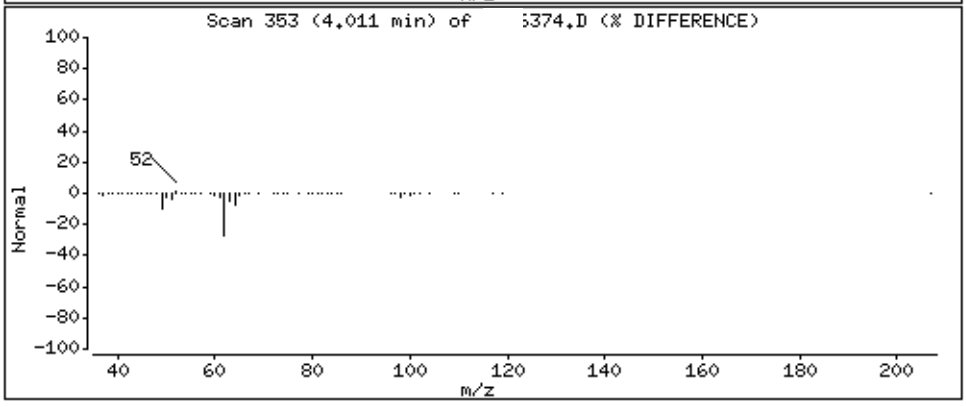
25 Benzene Concentration: 49 ug/Kg











Data File: \\ \organics\V1.I\150715.B\ 5374.D

Date : 15-JUL-2015 11:05

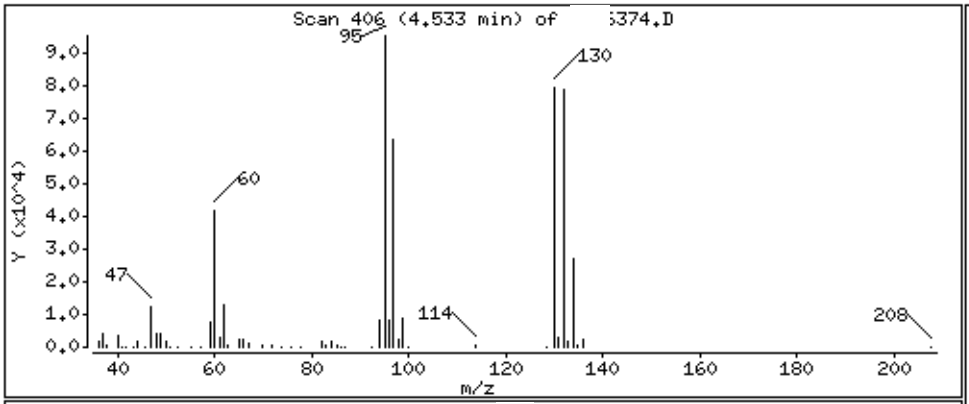
Client ID: 355MS Instrument: V1.i

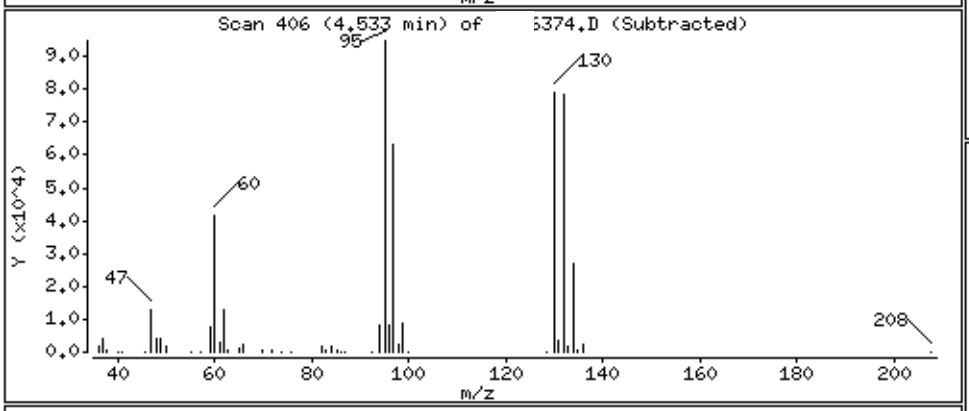
Sample Info: 5G, 78503,,894

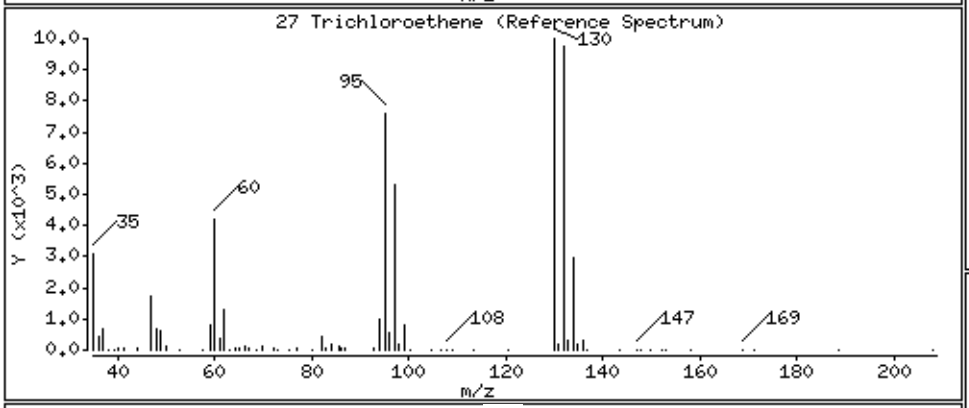
Operator: SRC: LIMS

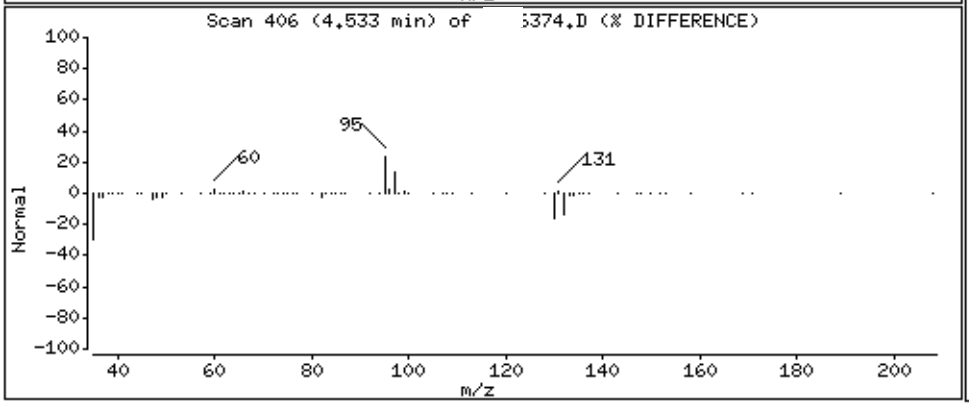
Column phase: DB-624 Column diameter: 0.25

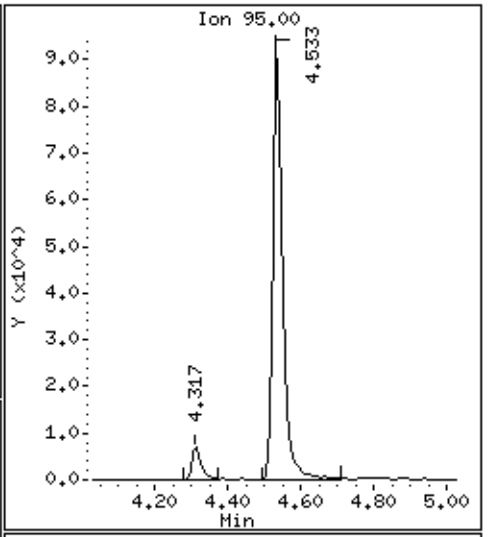
27 Trichloroethene Concentration: 46 ug/Kg

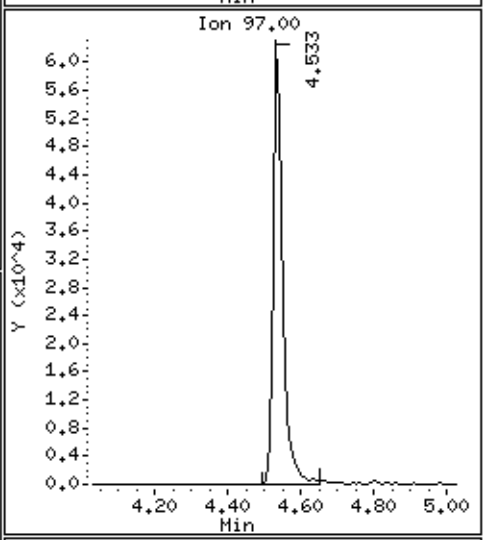


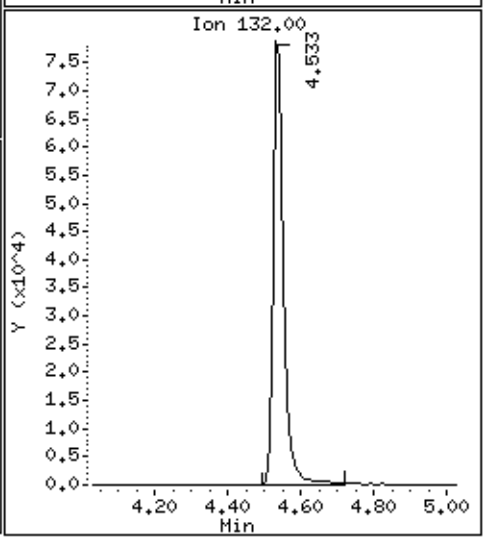












Data File: \\ organics\V1.I\150715.B\ 6374.D

Date : 15-JUL-2015 11:05

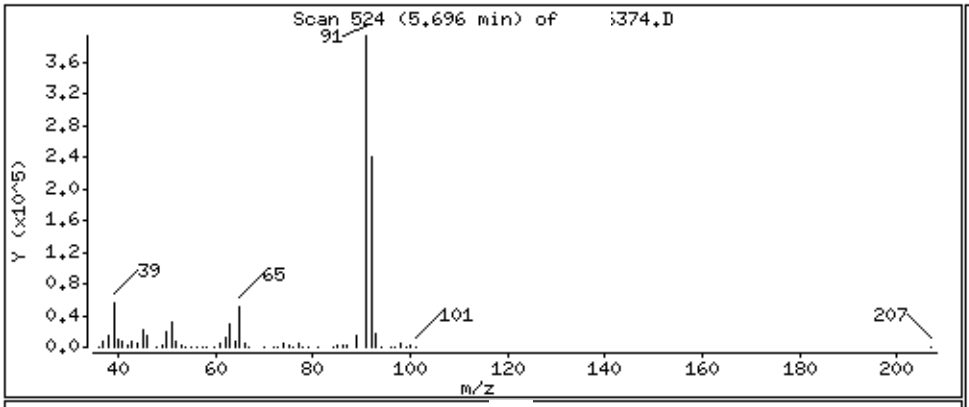
Client ID: _.955MS Instrument: V1.i

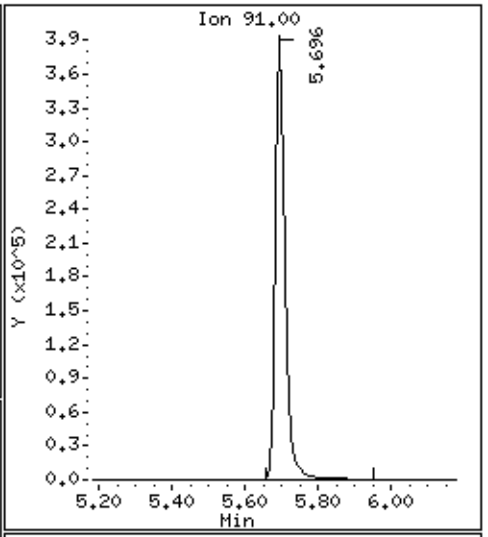
Sample Info: 5G, 78503,,894

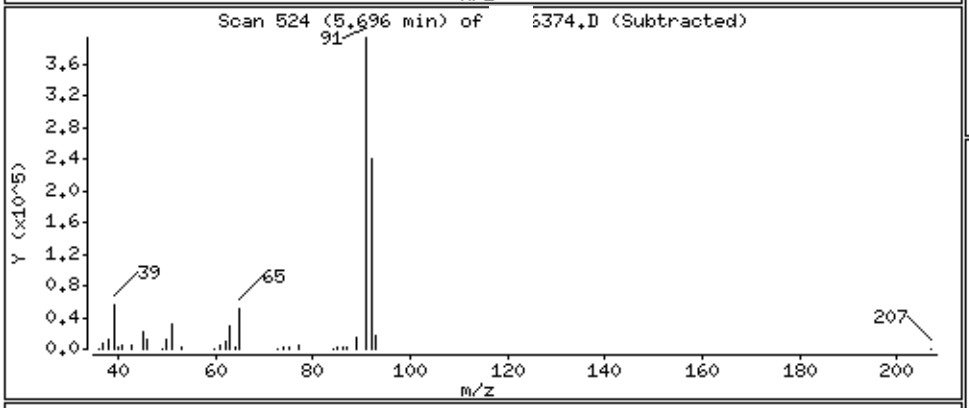
Operator: SRC: LIMS

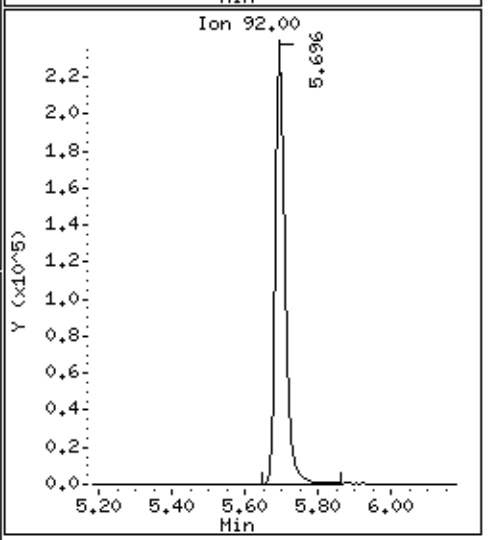
Column phase: DB-624 Column diameter: 0.25

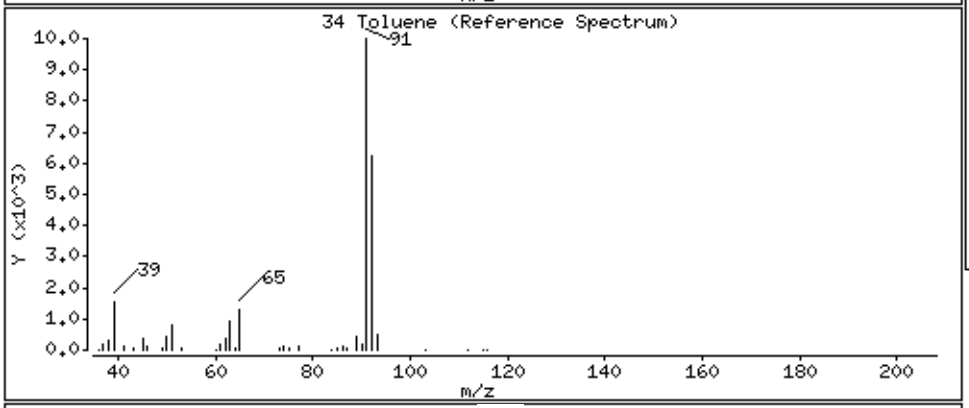
34 Toluene Concentration: 47 ug/Kg

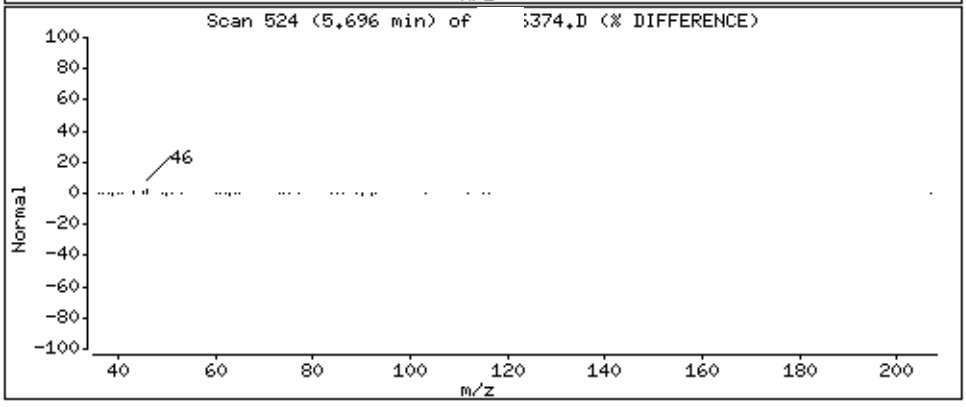












Data File: \\ \organics\V1.I\150715.B\ 6374.D

Date : 15-JUL-2015 11:05

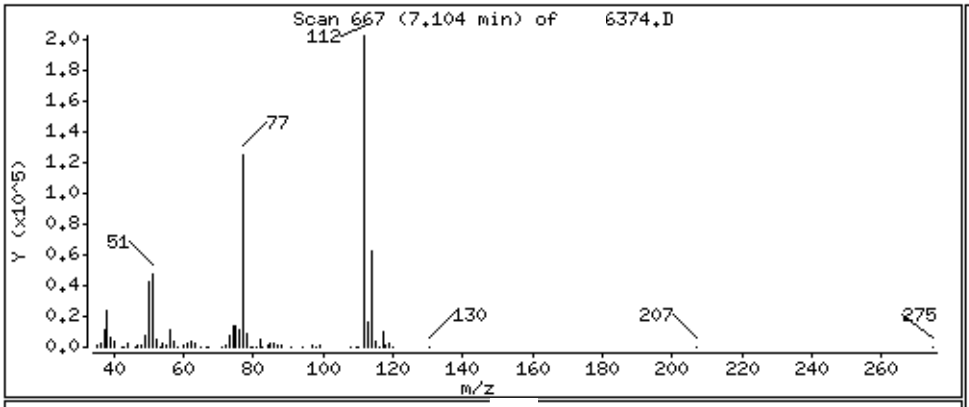
Client ID: 55MS Instrument: V1.i

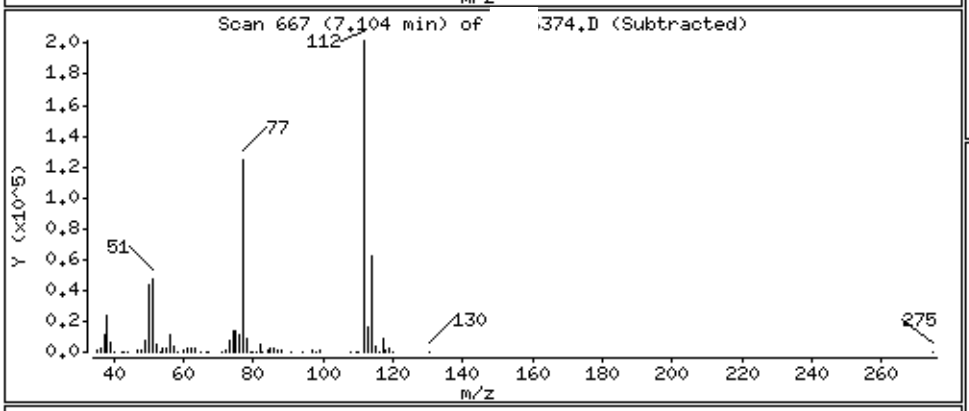
Sample Info: 5G,)78503,,894

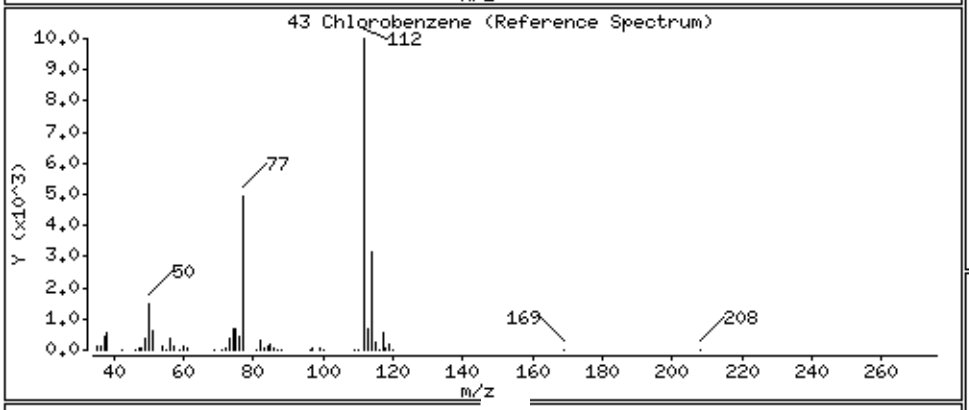
Operator: SRC: LIMS

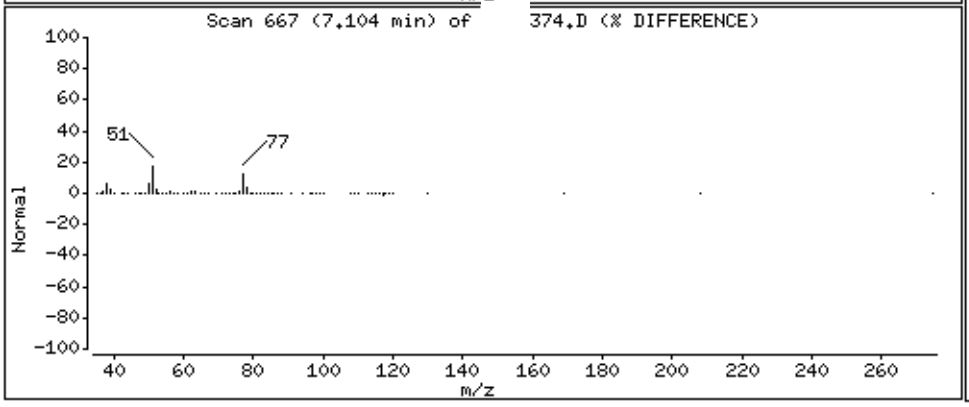
Column phase: DB-624 Column diameter: 0.25

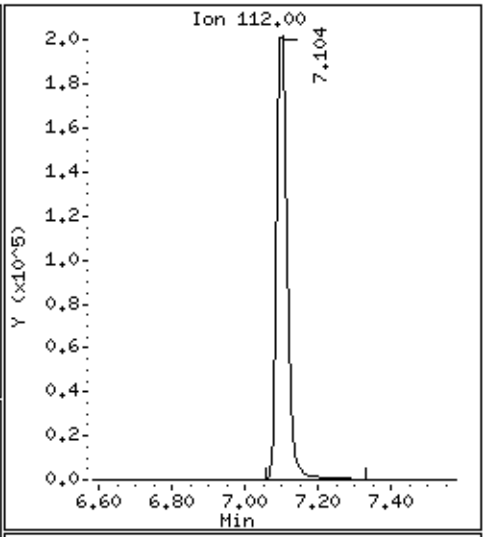
43 Chlorobenzene Concentration: 44 ug/Kg

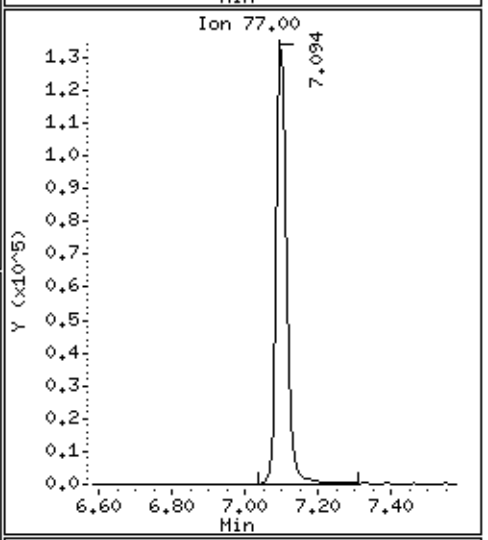


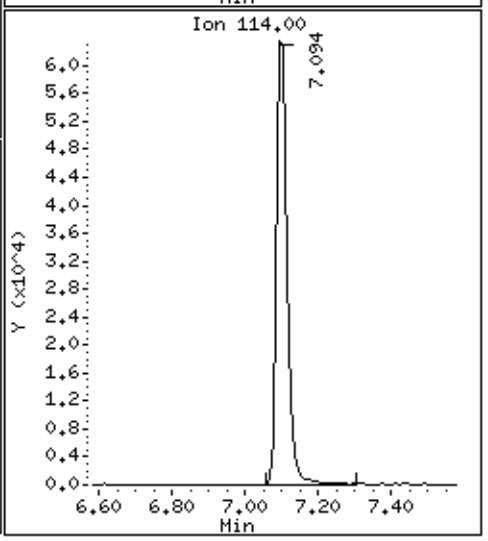












FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
955MSD

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078504
Sample wt/vol: 5.30 (g/mL) g | Lab File ID: 6375.D
% Solids: 63 | Date Received: 07/08/2015
GC Column (1): | ID: (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/15/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: | Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-71-8	Dichlorodifluoromethane	7.5	U
74-87-3	Chloromethane	7.5	U
75-01-4	Vinyl chloride	7.5	U
74-83-9	Bromomethane	7.5	U
75-00-3	Chloroethane	7.5	U
75-69-4	Trichlorofluoromethane	7.5	U
75-35-4	1,1-Dichloroethene	58	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.5	U
67-64-1	Acetone	150	
75-15-0	Carbon disulfide	7.5	U
79-20-9	Methyl Acetate	7.5	U
75-09-2	Methylene chloride	7.5	U
156-60-5	trans-1,2-Dichloroethene	7.5	U
1634-04-4	tert-Butyl Methyl Ether	7.5	U
75-34-3	1,1-Dichloroethane	7.5	U
156-59-2	cis-1,2-Dichloroethene	7.5	U
78-93-3	2-Butanone	13	J
67-66-3	Chloroform	7.5	U
71-55-6	1,1,1-Trichloroethane	7.5	U
110-82-7	Cyclohexane	7.5	U
56-23-5	Carbon tetrachloride	7.5	U
71-43-2	Benzene	79	
107-06-2	1,2-Dichloroethane	7.5	U
79-01-6	Trichloroethene	75	
108-87-2	Methyl Cyclohexane	7.5	U
78-87-5	1,2-Dichloropropane	7.5	U

FORM 1A-OR
ORGANIC ANALYSIS DATA SHEET
TARGET ANALYTE LIST

EPA SAMPLE NO.
955MSD

Lab Name: | Contract:
Lab Code : | Case No.: | MA No.: | SDG No.: 954
Analytical Method: VOA | Level: LOW
Matrix: SOIL | Lab Sample ID 078504
Sample wt/vol: 5.30 (g/mL) g | Lab File ID: 6375.D
% Solids: 63 | Date Received: 07/08/2015
GC Column (1): | ID: (mm) | Date Extracted:
GC Column (2): | ID: (mm) | Date Analyzed 07/15/2015
Extract Concentrated:(Y/N) N | Extract Volume: (uL)
Soil Aliquot (VOA): (uL) | Extraction Type:
Heated Purge: (Y/N) Y | Injection Volume: (uL)
Purge Volume: 10.0 (mL) | pH: | Dilution Factor: 1.0
Cleanup Types: | Cleanup Factor:
Concentration Units (ug/L, ug/kg): ug/Kg

CAS NO.	ANALYTE	CONCENTRATION	Q
75-27-4	Bromodichloromethane	7.5	U
10061-01-5	cis-1,3-Dichloropropene	7.5	U
108-10-1	4-Methyl-2-pentanone	15	U
108-88-3	Toluene	78	
10061-02-6	trans-1,3-Dichloropropene	7.5	U
79-00-5	1,1,2-Trichloroethane	7.5	U
127-18-4	Tetrachloroethene	7.5	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	7.5	U
106-93-4	1,2-Dibromoethane(EDB)	7.5	U
108-90-7	Chlorobenzene	76	
100-41-4	Ethylbenzene	7.5	U
95-47-6	o-Xylene	7.5	U
179601-23-1	m,p-Xylene	7.5	U
100-42-5	Styrene	7.5	U
75-25-2	Bromoform	7.5	U
98-82-8	Isopropylbenzene (Cumene)	7.5	U
79-34-5	1,1,2,2-Tetrachloroethane	7.5	U
541-73-1	1,3-Dichlorobenzene	7.5	U
106-46-7	1,4-Dichlorobenzene	7.5	U
95-50-1	1,2-Dichlorobenzene	7.5	U
96-12-8	1,2-Dibromo-3-chloropropane	7.5	U
120-82-1	1,2,4-Trichlorobenzene	7.5	U
74-97-5	Bromochloromethane	7.5	U
87-61-6	1,2,3-Trichlorobenzene	7.5	U

Data File: \\ \organics\V1.I\150715.B\ 6375.D
Report Date: 16-Jul-2015 11:23

- Low/Med Volatiles

Data file : \\ \organics\V1.I\150715.B\ 6375.D
Lab Smp Id: 078504 Client Smp ID: 955MSD
Inj Date : 15-JUL-2015 11:32
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : SG, 078504,,894
Misc Info :
Comment :
Method : \\ \organics\V1.I\150715.B\V1_ _S.m
Meth Date : 16-Jul-2015 11:21 V1.i Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 20 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.300	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
$ 79	Vinyl Chloride-d3	65	1.347	1.336	(0.312)	206672	54.4078	51
$ 80	Chloroethane-d5	69	1.632	1.621	(0.378)	160312	56.7902	54
$ 81	1,1-Dichloroethene-d2	65	2.105	2.104	(0.487)	85269	54.2322	51(Q)
7	1,1-Dichloroethene	96	2.125	2.114	(0.492)	150445	38.6730	36(Q)
9	Acetone	43	2.145	2.133	(0.496)	200968	97.6526	92
$ 82	2-Butanone-d5	46	3.297	3.286	(0.763)	281445	108.865	100
16	2-Butanone	43	3.336	3.335	(0.772)	26499	8.88077	8.4
$ 83	Chloroform-d	84	3.553	3.542	(0.822)	286487	51.9426	49(Q)
$ 23	1,2-Dichloroethane-d4	65	3.957	3.946	(0.916)	153460	54.6198	52
$ 84	Benzene-d6	84	3.977	3.966	(0.563)	696741	51.3315	48
25	Benzene	78	4.006	3.995	(0.567)	814477	52.7298	50
* 26	1,4-Difluorobenzene	114	4.321	4.310	(1.000)	461057	50.0000	
27	Trichloroethene	95	4.548	4.527	(0.643)	175909	49.6256	47
$ 85	1,2-Dichloropropane-d6	67	4.646	4.635	(0.657)	244299	53.6723	51
$ 33	Toluene-d8	98	5.641	5.620	(0.798)	509354	52.8640	50
34	Toluene	91	5.700	5.679	(0.806)	718629	51.7821	49
$ 86	trans-1,3-Dichloropropene-d4	79	5.878	5.857	(0.831)	199260	53.5967	51
$ 87	2-Hexanone-d5	63	6.291	6.280	(0.890)	152229	110.241	100
* 42	Chlorobenzene-d5	117	7.069	7.048	(1.000)	361264	50.0000	
43	Chlorobenzene	112	7.099	7.078	(1.004)	417177	50.8244	48
49	Isopropylbenzene	105	8.182	8.181	(1.157)	18378	1.41374	1.3(Q)

Data File: \\ \organics\V1.I\150715.B\ 6375.D
Report Date: 16-Jul-2015 11:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 89 1,1,2,2-Tetrachloroethane-d2	84	8.508	8.486	(1.203)	182239	54.8198	52
* 78 1,4-Dichlorobenzene-d4	152	9.660	9.629	(1.000)	138254	50.0000	
$ 90 1,2-Dichlorobenzene-d4	152	10.044	10.023	(1.040)	126664	49.7348	47(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ \organics\V1.I\150715.B\ 6375.D
Report Date: 16-Jul-2015 11:23

- Low/Med Volatiles

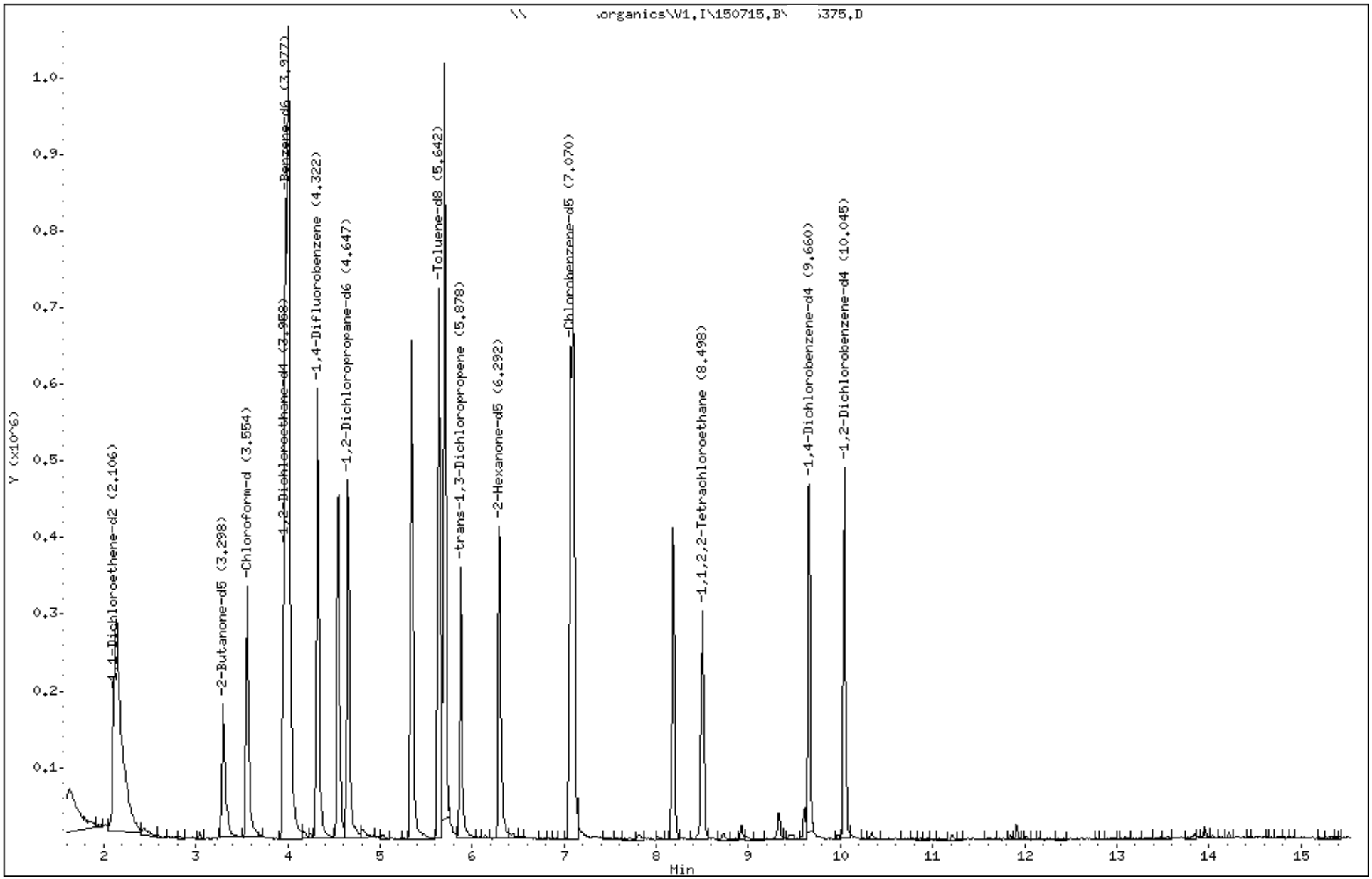
Data file : \\ \organics\V1.I\150715.B\ 6375.D
Lab Smp Id: 078504 Client Smp ID: 955MSD
Inj Date : 15-JUL-2015 11:32
Operator : SRC: LIMS Inst ID: V1.i
Smp Info : SG, 078504,,894
Misc Info :
Comment :
Method : \\ \organics\V1.I\150715.B\V1_ _S.m
Meth Date : 16-Jul-2015 11:21 V1.i Quant Type: ISTD
Cal Date : 13-JUL-2015 10:50 Cal File: 6292.D
Als bottle: 20 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: .sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ _ \organics\V1.I\150715.B\ 5375.D
Date : 15-JUL-2015 11:32
Client ID: 955MSD
Sample Info: 5G, 78504,,894

Instrument: V1.i

Operator: SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\ _ \organics\V1.I\150715.B\ 5375.D

Date : 15-JUL-2015 11:32

Client ID: 955MSD

Instrument: V1.i

Sample Info: 5G, 78504,,894

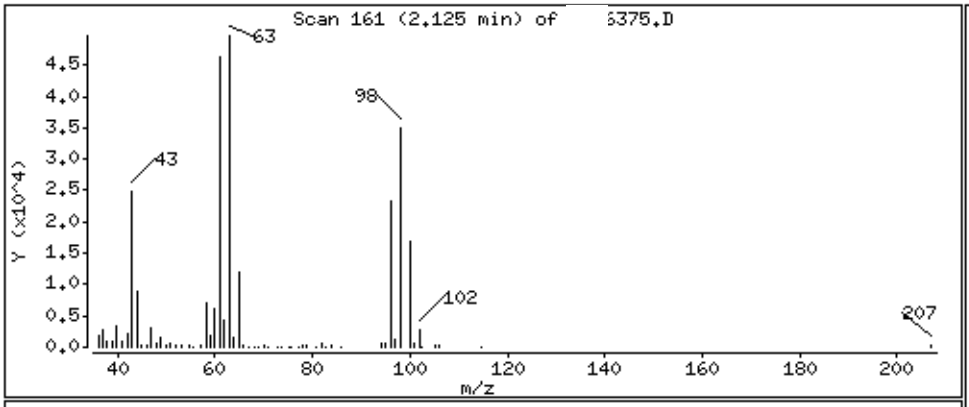
Operator: | SRC: LIMS

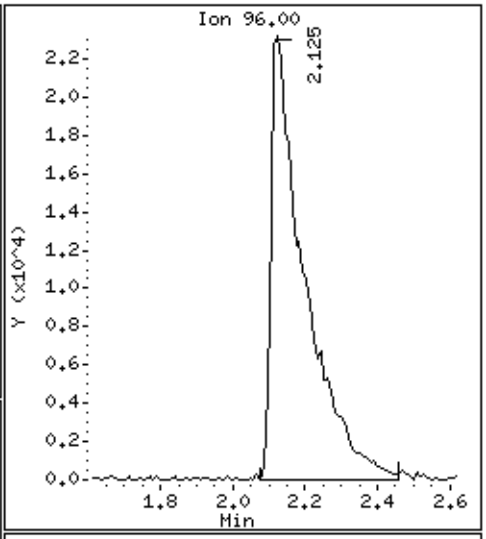
Column phase: DB-624

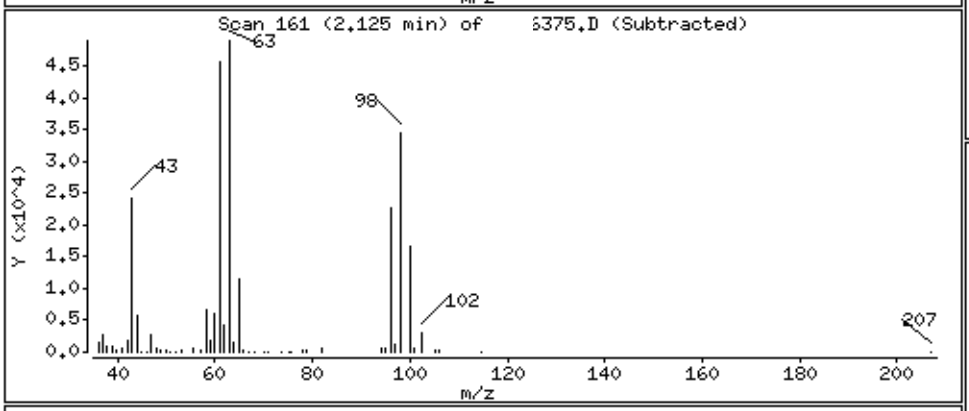
Column diameter: 0.25

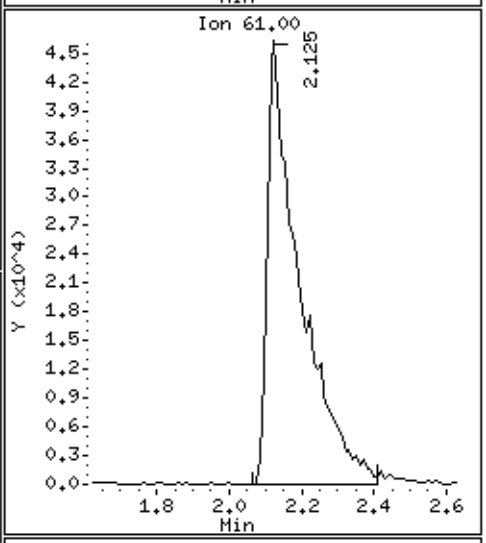
7 1,1-Dichloroethene

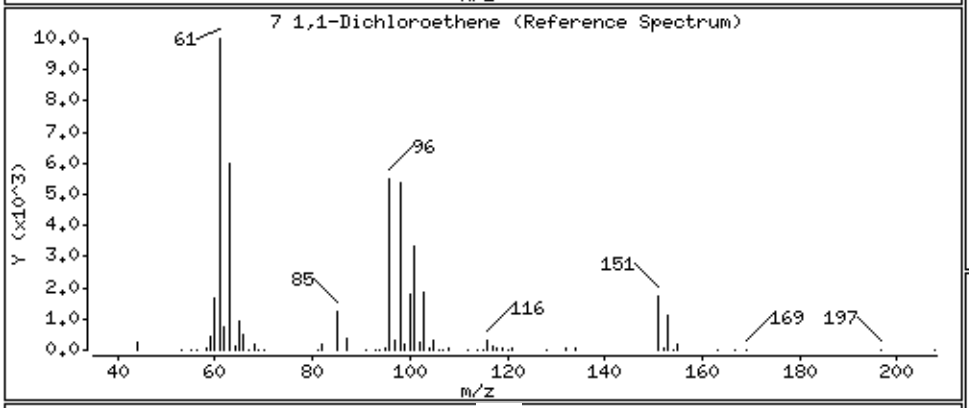
Concentration: 36 ug/Kg

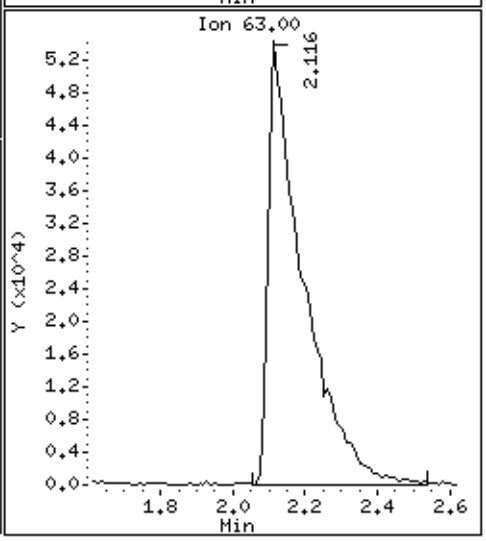


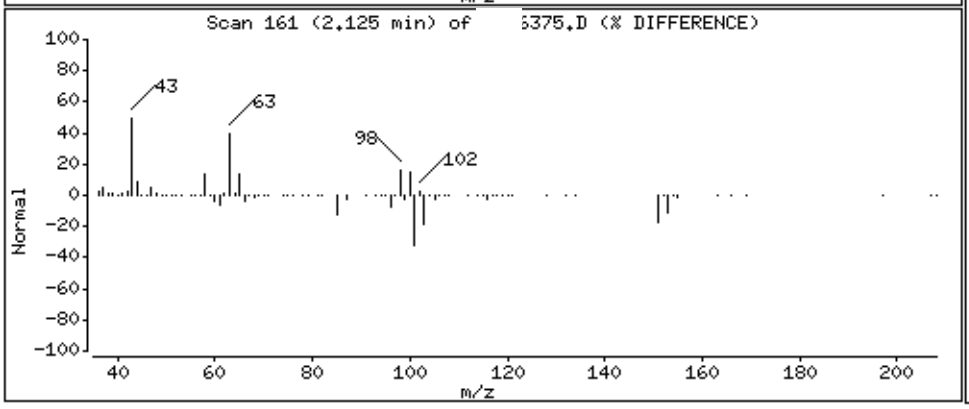












Data File: \\ \organics\V1.I\150715.B\ 5375.D

Date : 15-JUL-2015 11:32

Client ID: 355MSD

Instrument: V1.i

Sample Info: 5G, 78504,,894

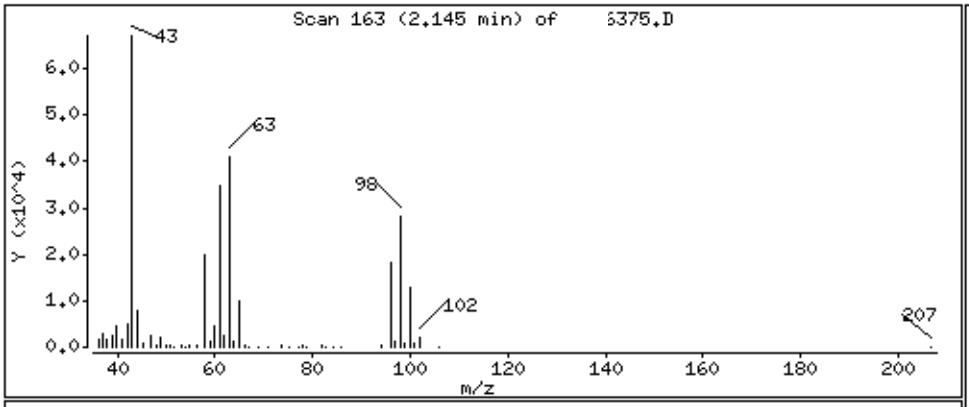
Operator: SRC: LIMS

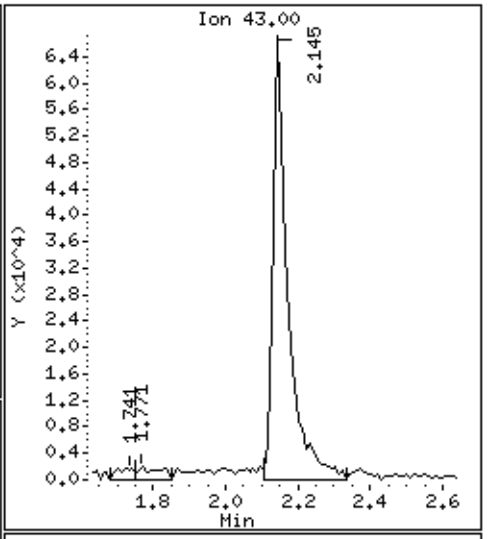
Column phase: DB-624

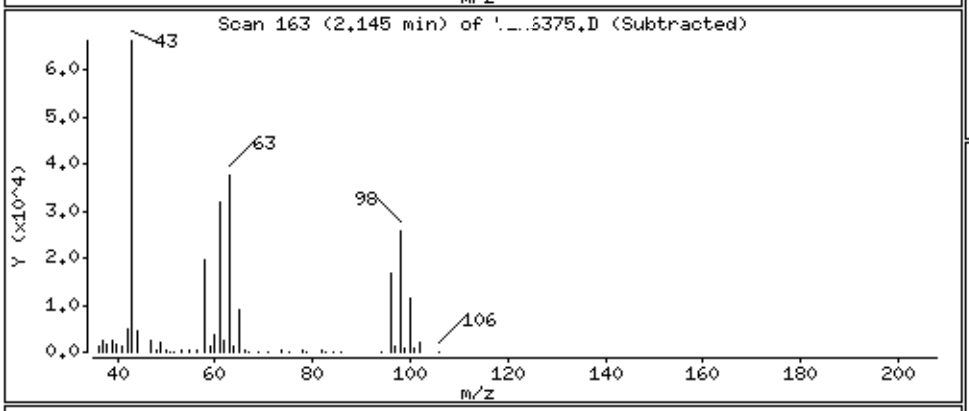
Column diameter: 0.25

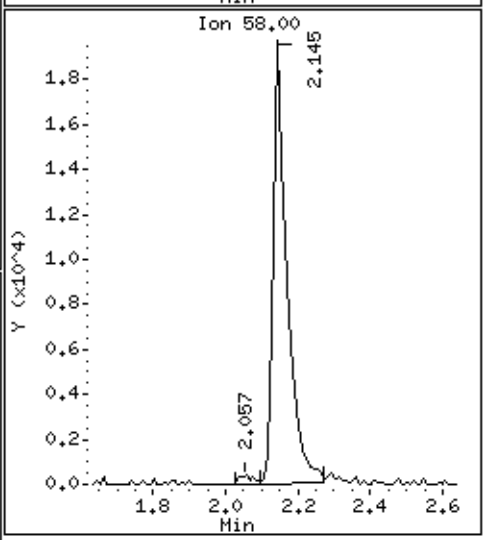
9 Acetone

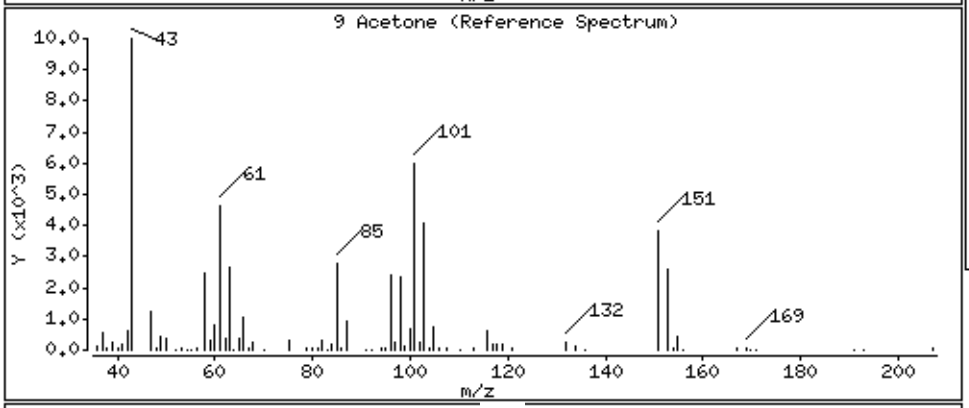
Concentration: 92 ug/Kg

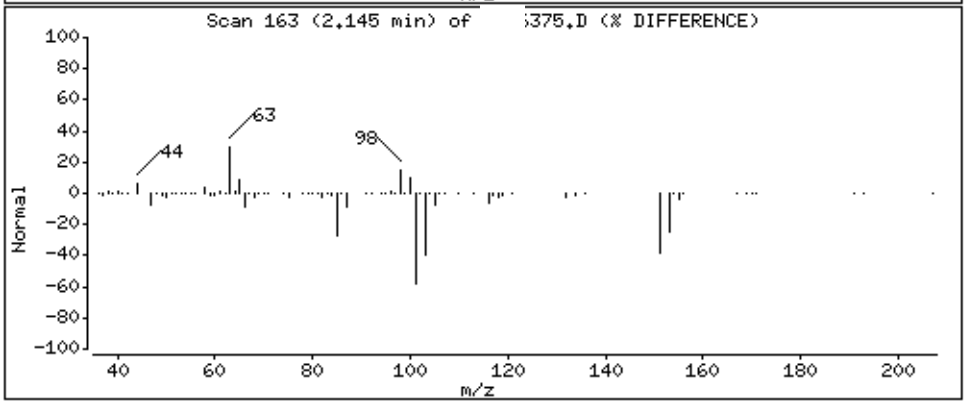












Data File: \\. \organics\V1.I\150715.B\ 5375.D

Date : 15-JUL-2015 11:32

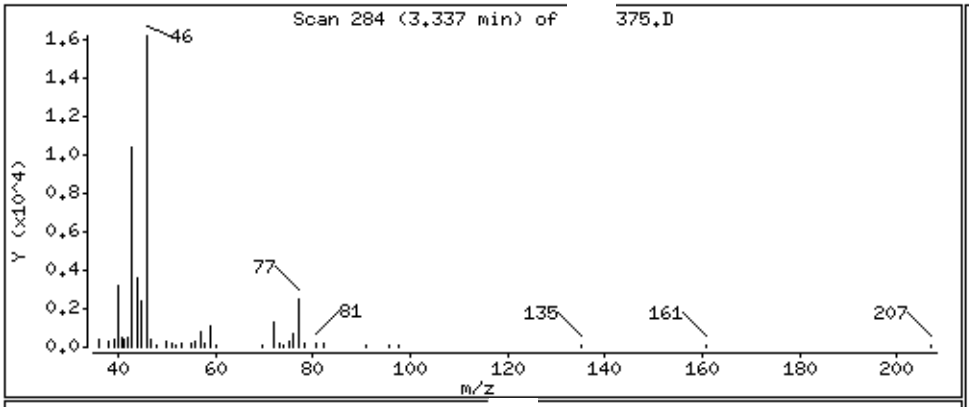
Client ID: 955MSD Instrument: V1.i

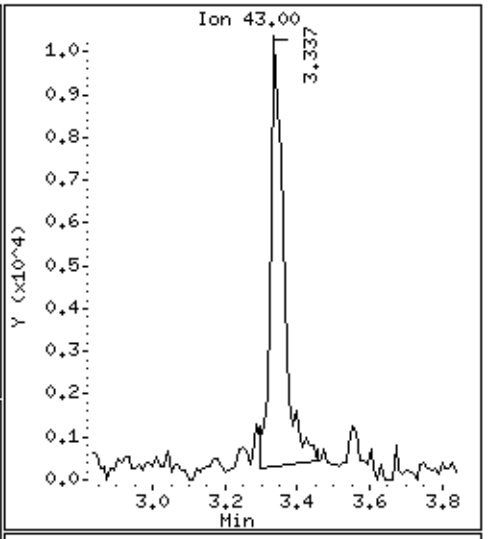
Sample Info: 5G)78504,,894

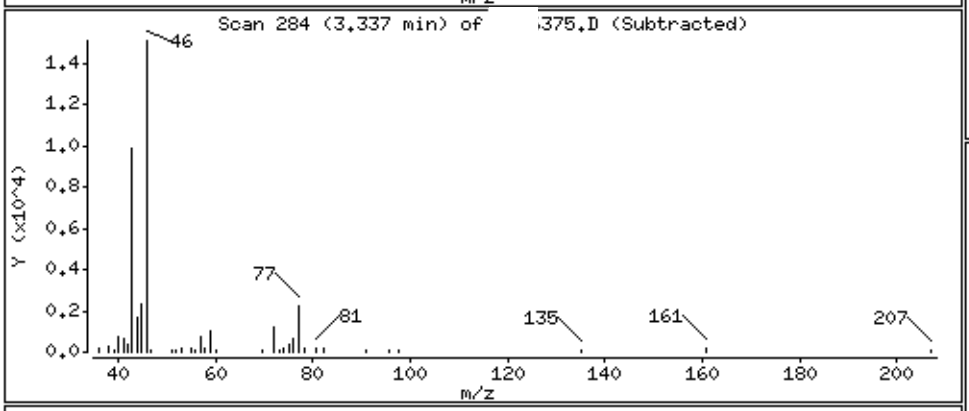
Operator: SRC: LIMS

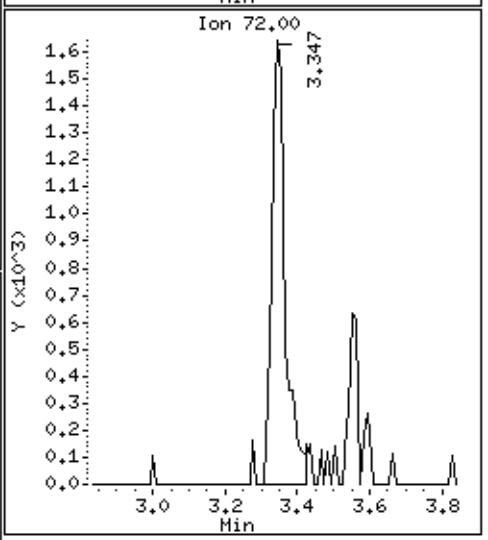
Column phase: DB-624 Column diameter: 0.25

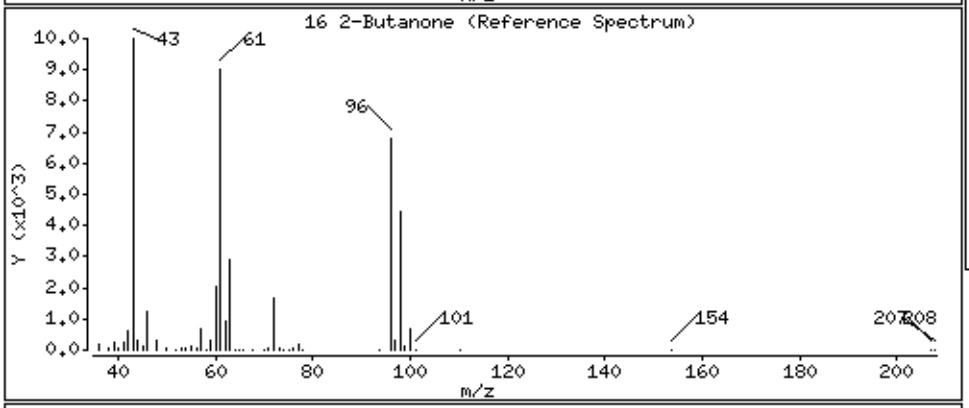
16 2-Butanone Concentration: 8.4 ug/Kg

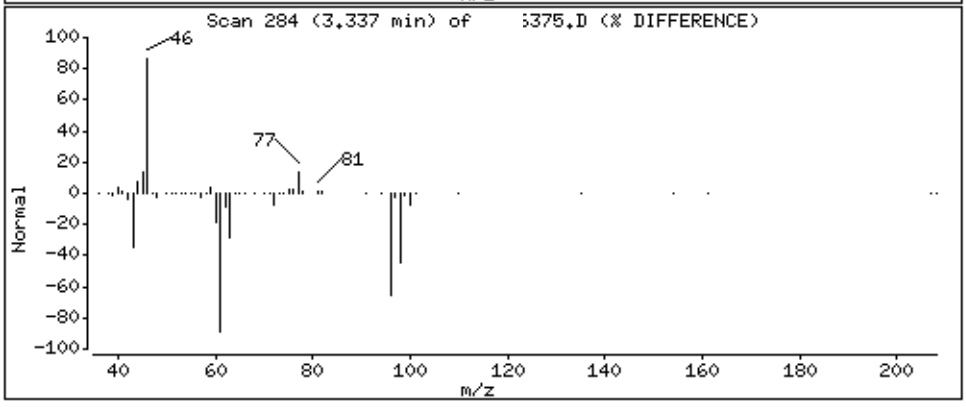












Data File: \' \organics\V1.I\150715.B\ 6375.D

Date : 15-JUL-2015 11:32

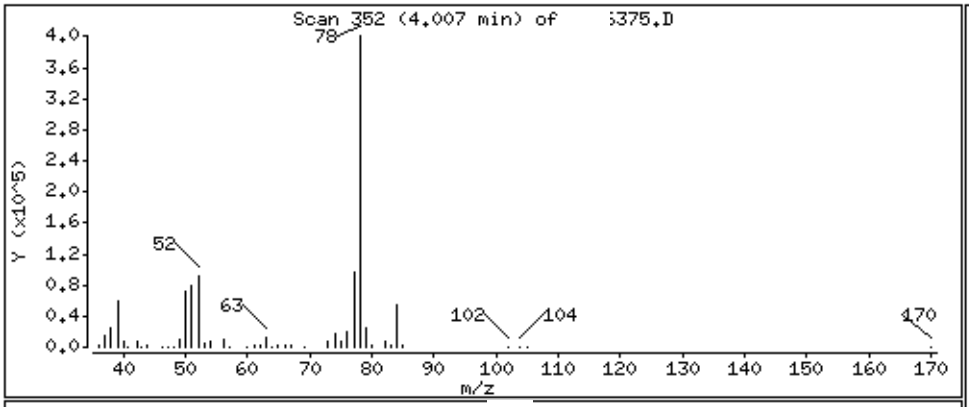
Client ID:)55MSD Instrument: V1.i

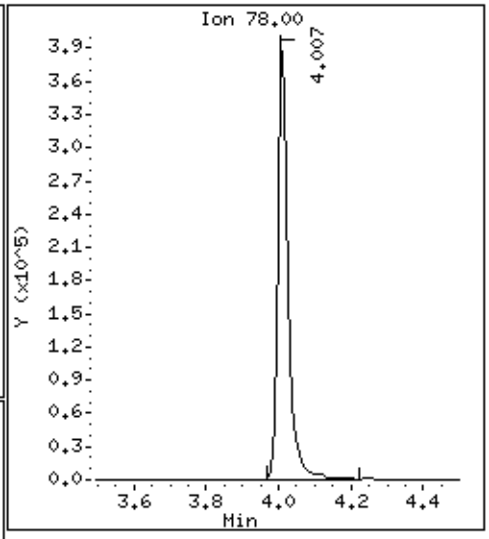
Sample Info: 5G. 78504,,894

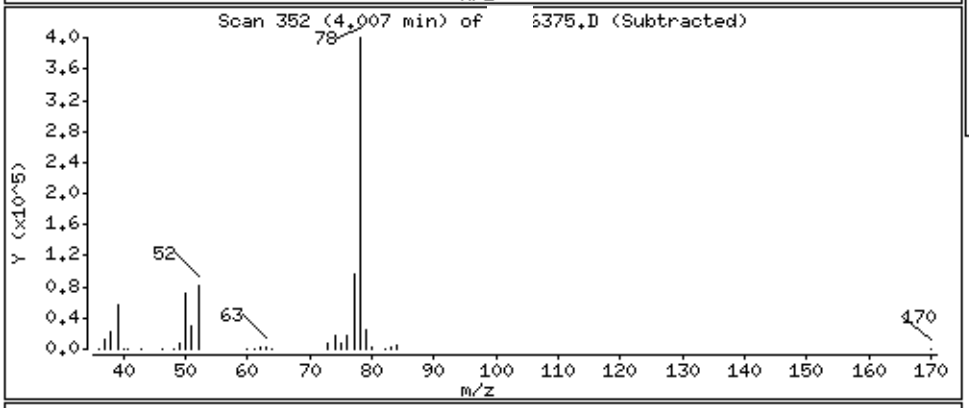
Operator: SRC: LIMS

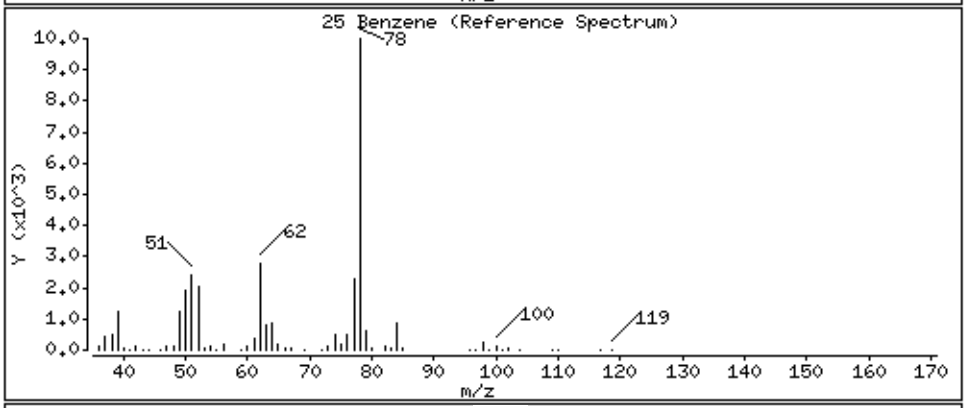
Column phase: DB-624 Column diameter: 0.25

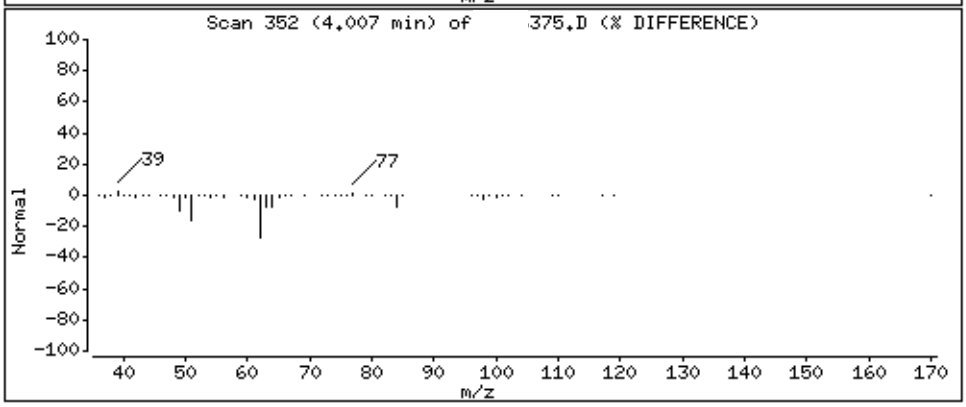
25 Benzene Concentration: 50 ug/Kg











Data File: \\ organics\V1.I\150715.B\ 6375.D

Date : 15-JUL-2015 11:32

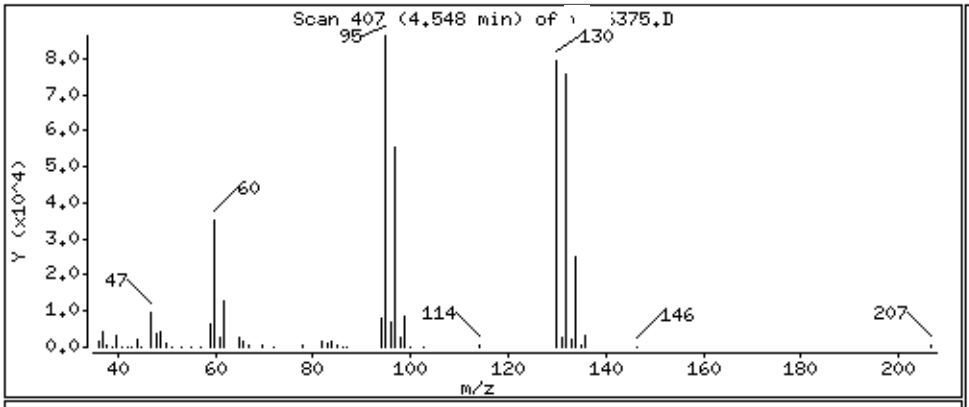
Client ID: 955MSD Instrument: V1.i

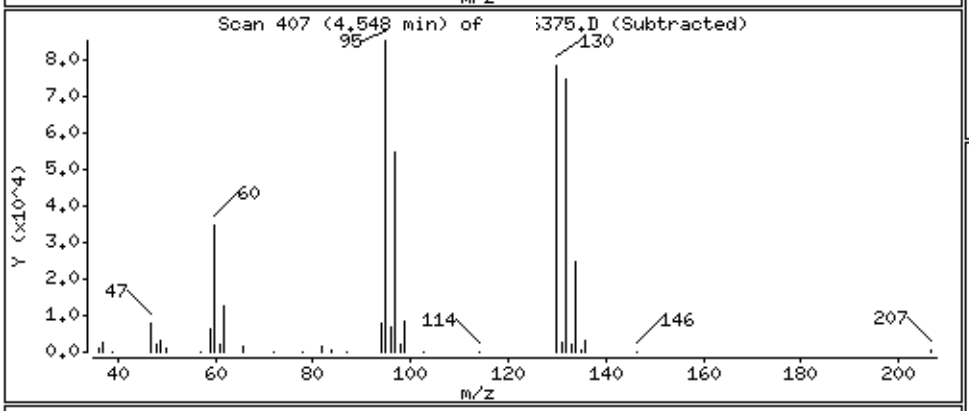
Sample Info: 5G,)78504,,894

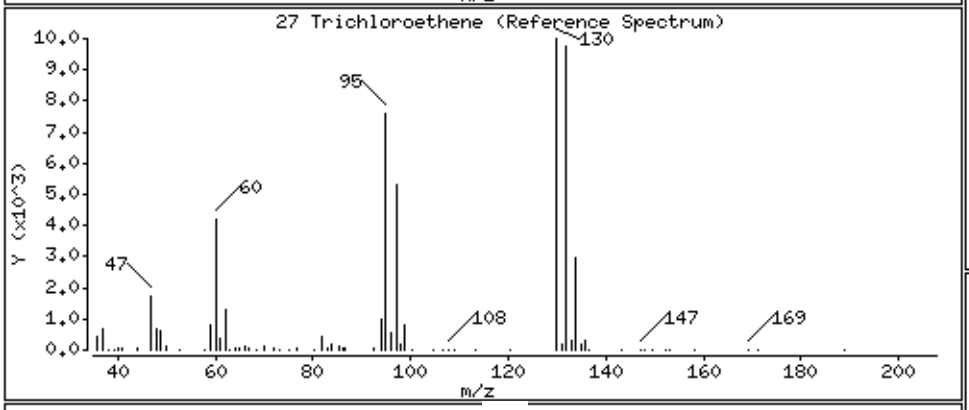
Operator: SRC: LIMS

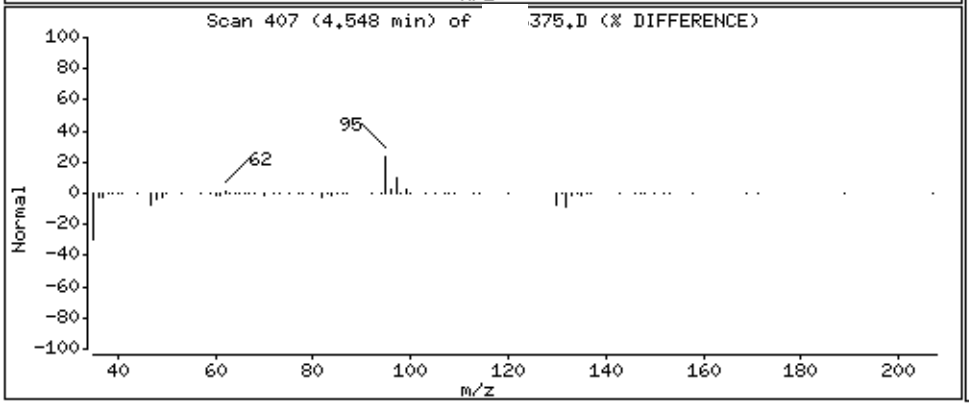
Column phase: DB-624 Column diameter: 0.25

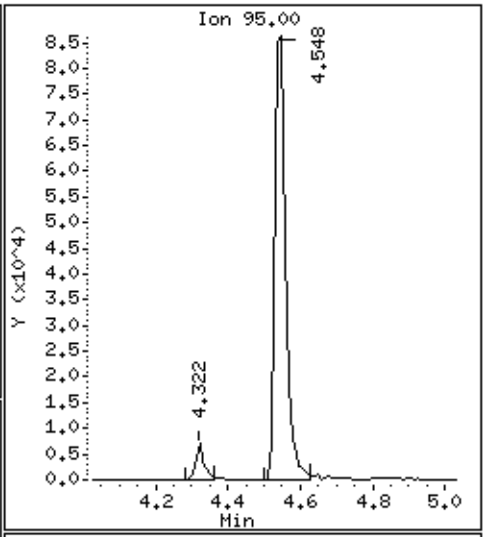
27 Trichloroethene Concentration: 47 ug/Kg

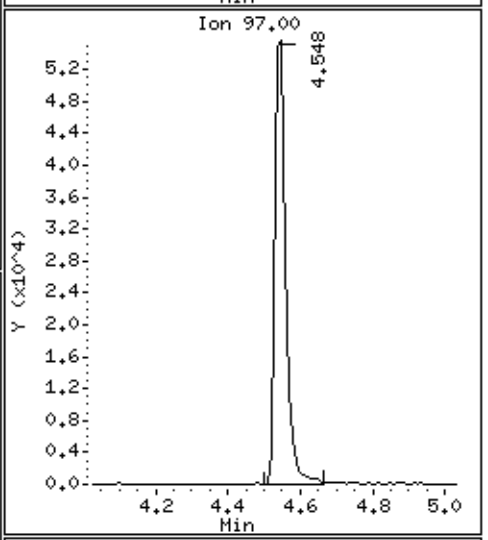


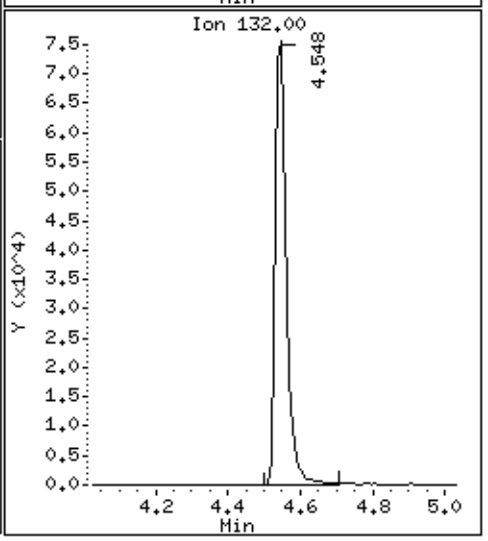












Data File: \\ \organics\V1.I\150715.B\ 6375.D

Date : 15-JUL-2015 11:32

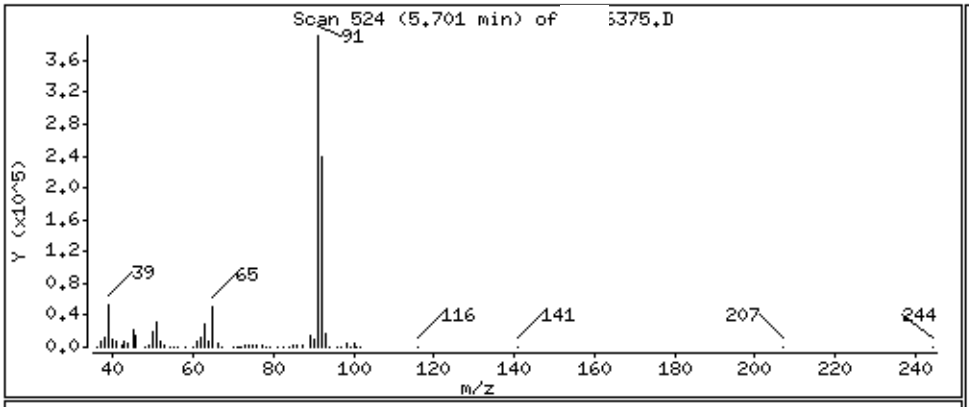
Client ID: 955MSD Instrument: V1.i

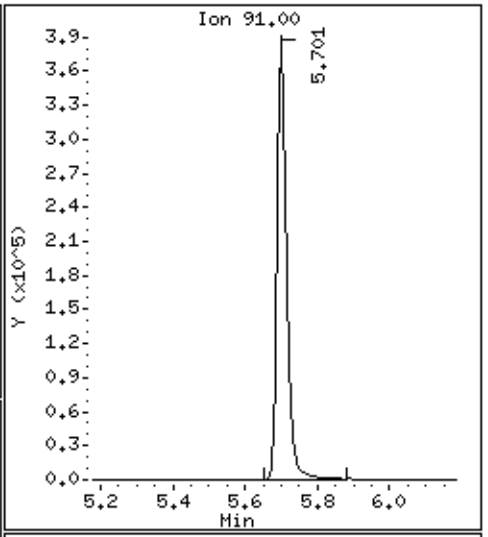
Sample Info: 5G, 078504,,894

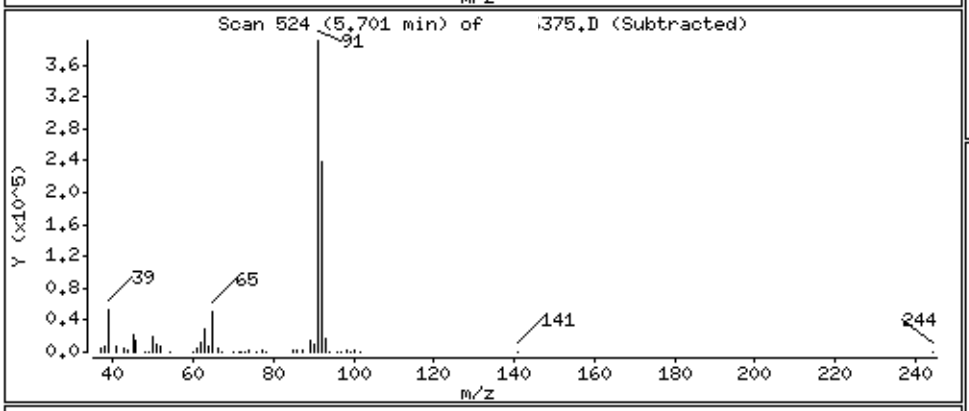
Operator: SRC: LIMS

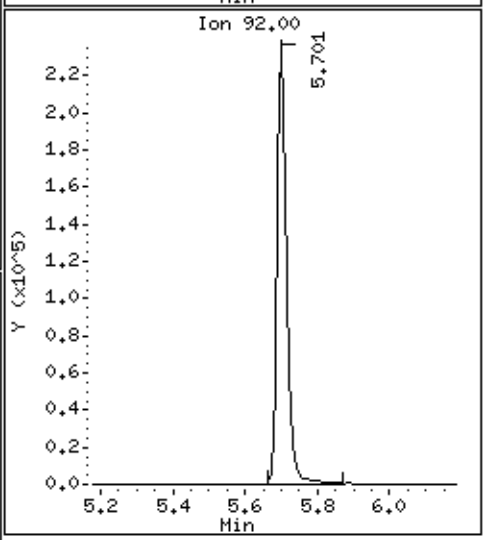
Column phase: DB-624 Column diameter: 0.25

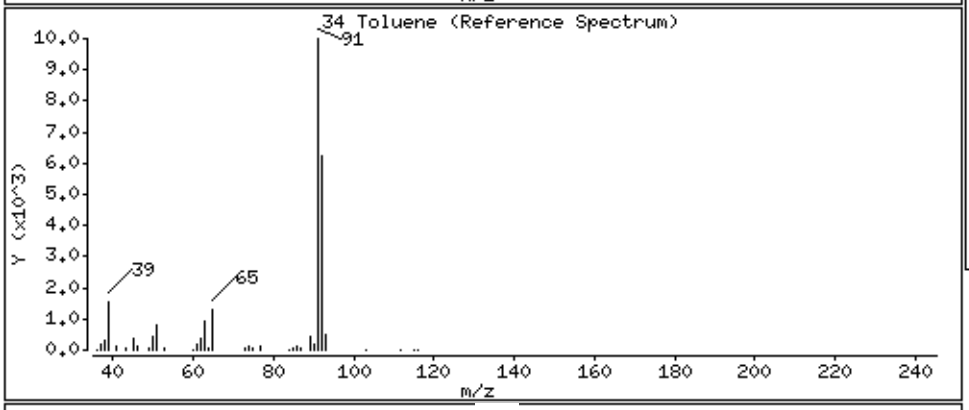
34 Toluene Concentration: 49 ug/Kg

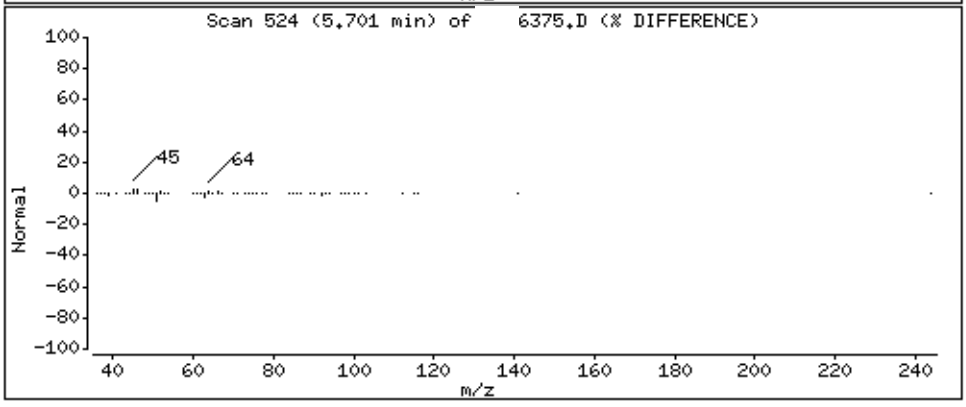












Data File: \' \organics\V1.I\150715.B\ 375.D

Date : 15-JUL-2015 11:32

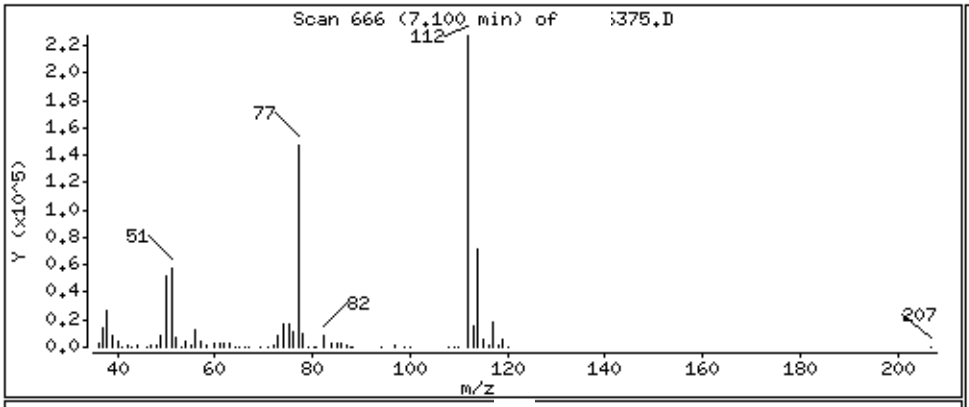
Client ID: 55MSD Instrument: V1.i

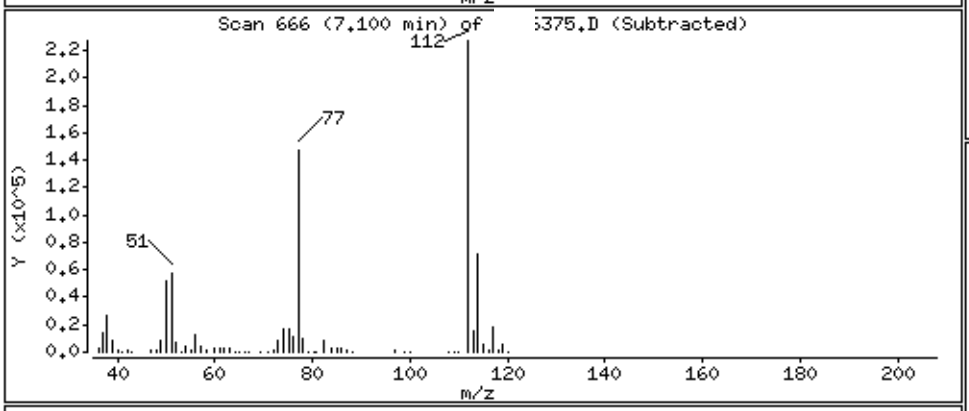
Sample Info: 5G, 78504,,894

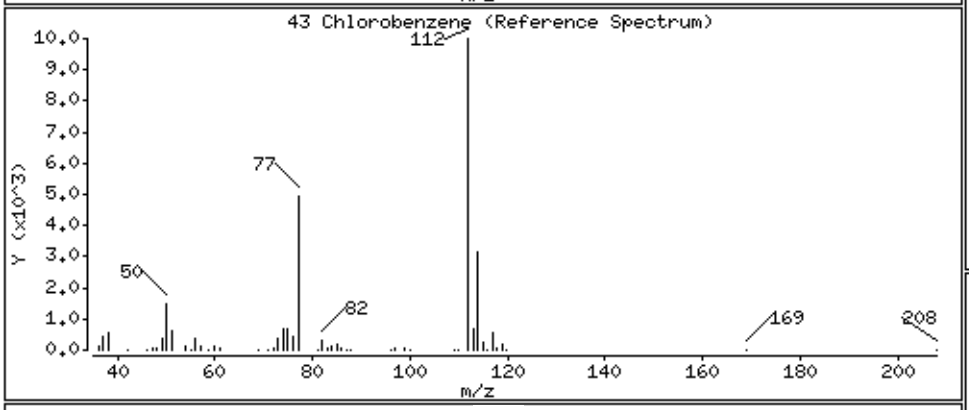
Operator: SRC: LIMS

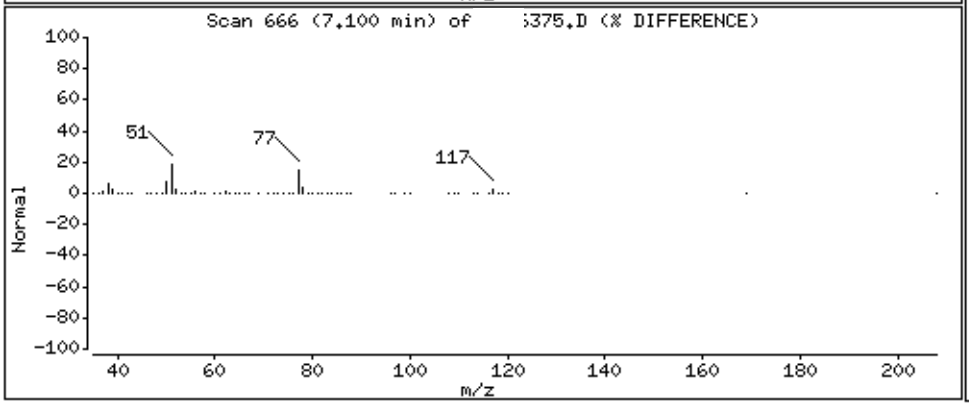
Column phase: DB-624 Column diameter: 0.25

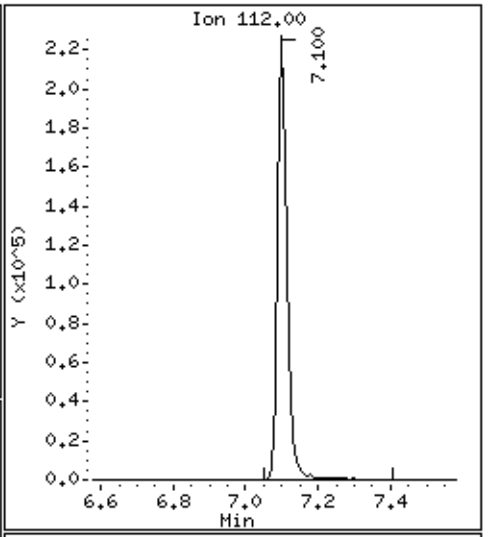
43 Chlorobenzene Concentration: 48 ug/Kg

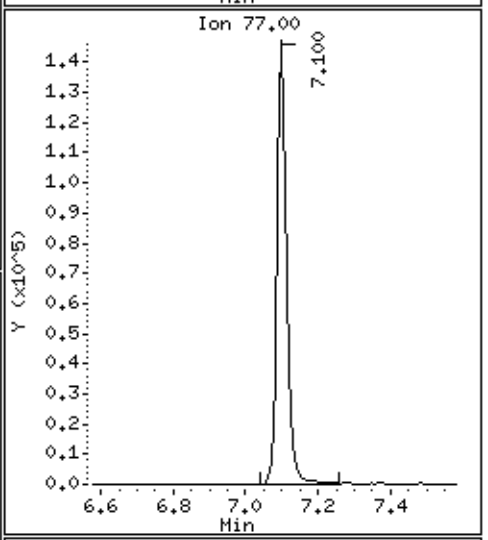


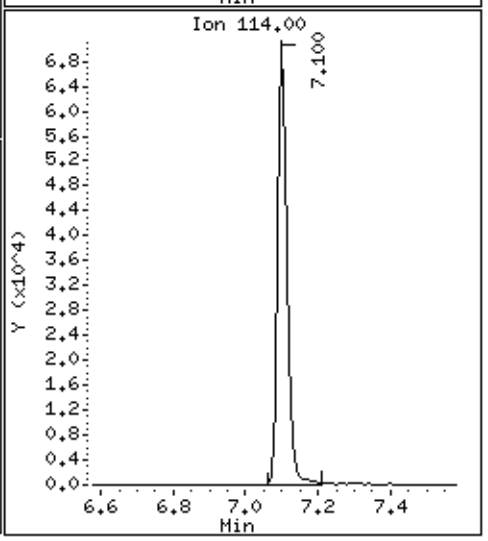












Data File: \ _ \organics\V1.I\150715.B\ 6375.D

Date : 15-JUL-2015 11:32

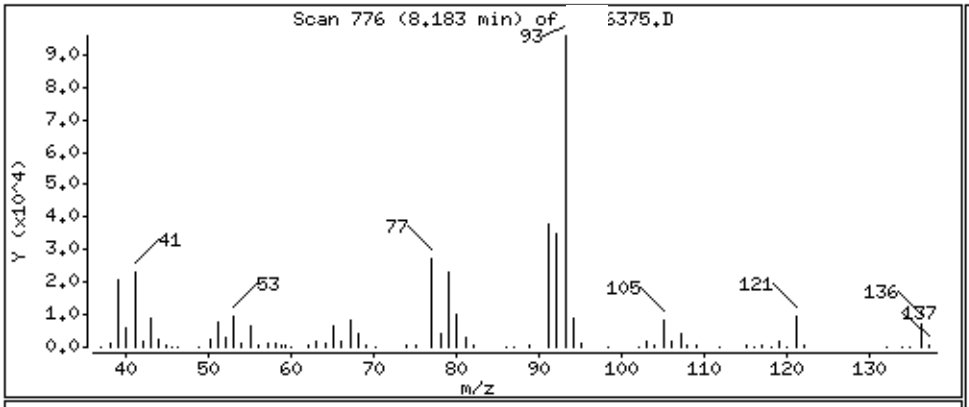
Client ID: 955MSD Instrument: V1.i

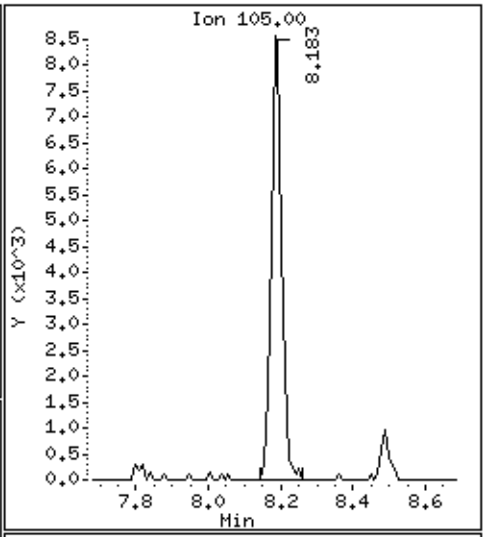
Sample Info: 5G, 78504,,894

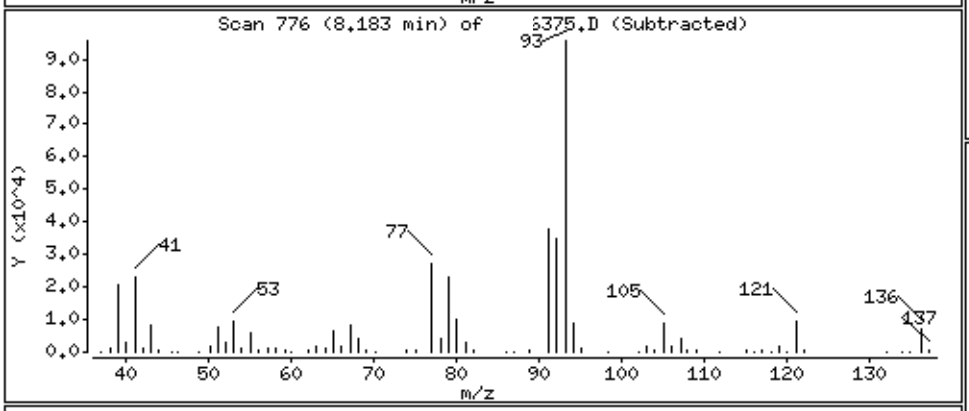
Operator: SRC: LIMS

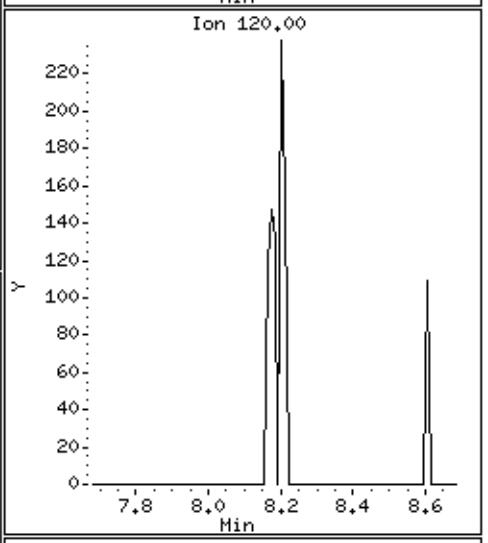
Column phase: DB-624 Column diameter: 0.25

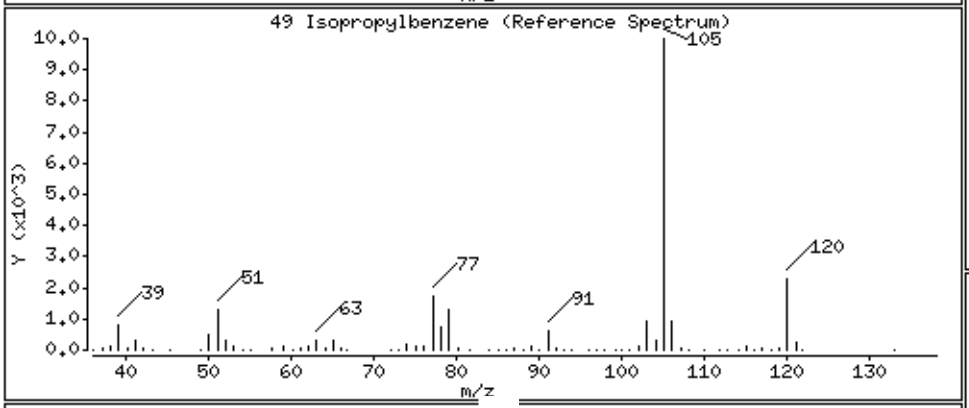
49 Isopropylbenzene Concentration: 1.3 ug/Kg

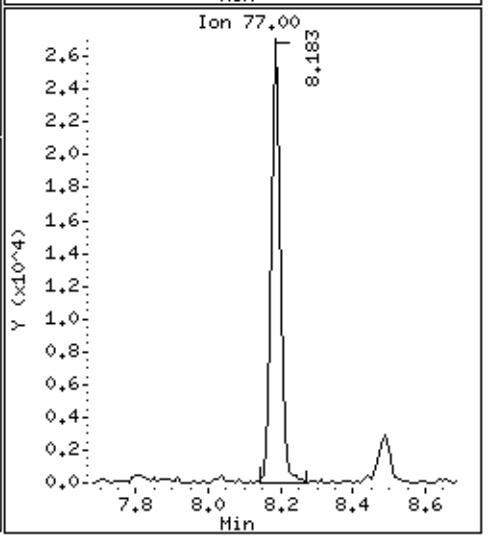


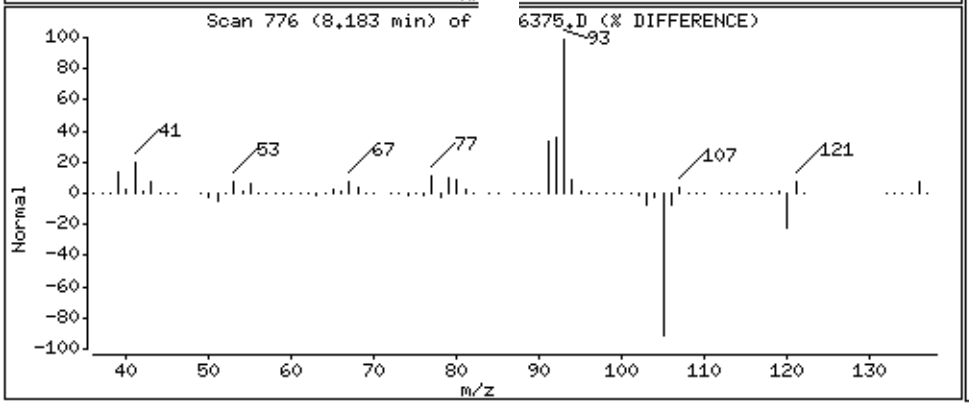












Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID		Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Solvent&Lot# by/Date*	Comments/ Time of Encore transfer	Analyst
7/10/15	781	16 1		26.63	31.66	5.0	5.0	D			
		16 2		26.56	31.42	4.9		D			
	781	16 3		26.57	31.96	5.4		D			
	784	01		29.16	35.62	6.5		B			
		02		28.91	32.68	3.7					
		03		29.03	32.92	3.9					
		04		28.84	32.90	4.1					
		05		29.11	33.71	4.6					
		06		28.47	32.02	3.6					
		07		29.79	33.46	3.7					
		08		28.72	34.15	5.4					
	784	09		28.77	33.80	5.0					
	785	01		29.86	45.60	16.2					
		02		29.02	34.76	5.7					
7/10/15	785	03		28.68	34.47	5.8	5.0	B			

TL#_____

*=Date added, if different than Rec. date

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-02/15

Reviewed By: ___ 7/15/15

Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID		Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Solvent&Lot# by/Date*	Comments/ Time of Encore transfer	Analyst
7/13/15	785	04		28.99	34.28	5.3	5.0	B	DI H2O		
		05		29.34	32.44	3.1					
		06		28.99	34.05	5.1					
		07		28.49	32.90	4.4					
		08		29.01	37.40	8.4					
7/13/15	785	09		28.90	39.09	10.2		B			
7445	MB					not used	7/17/15				
	LCS										
	P1151	01				5.6					
7/15/15	798	01		32.77	39.65	6.9		B			
		02		32.78	37.76	5.0					
		03		32.02	37.75	5.7					
		04		32.31	39.25	6.9					
		05		32.33	36.44	4.1					
7/15/15	798	06		32.30	38.31	6.0	5.0	B	DI H2O		

TL#_____

*=Date added, if different than Rec. date

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-02/15

Reviewed By: 7/17/15

250

Percent Moisture and Percent Solids Report

Lab Sample ID	Client Sample Id	Analyzed	Percent Moisture	Percent Solids	Validated
8501	954	7/14/2015	54.2	45.8	Yes
8502	955	7/14/2015	37.2	62.8	Yes
8503	955MS	7/15/2015	37.2	62.8	Yes
8504	955MSD	7/15/2015	37.2	62.8	Yes
8505	956	7/14/2015	14.6	85.4	Yes
8506	957	7/13/2015	0	100	Yes
8507	958	7/14/2015	65.2	34.8	Yes
8508	959	7/14/2015	77.9	22.1	Yes
8509	961	7/14/2015	24.2	75.8	Yes
8510	9953	7/13/2015	0	100	Yes

From:
Sent: Monday, July 27, 2015 3:38 PM
To:
Subject: FW: DryWeight

From:
Sent: Monday, July 27, 2015 3:37 PM
To: DryWeight
Subject: DryWeight

Dry Weight

Batch: Analyst:

Details										
Order	**LabID**	**Client ID**	**Type**	**Tin**	**Tin + Wet**	**Tin + Dry**	**% Solids**	**% Moist**	**RPD**	**Cont**
1	078401	943	SAMPLE	0.9	6.74	5.77	83.4	16.6	.	.
2	078402	944	SAMPLE	0.88	6.86	1.94	17.7	82.3	.	.
3	078403	944MS	MS	0.88	6.86	1.94	17.7	82.3	.	.
4	078404	944MSD	MSD	0.88	6.86	1.94	17.7	82.3	.	.
5	078405	946	SAMPLE	0.9	6.73	5.84	84.7	15.3	.	.
6	078406	947	SAMPLE	0.89	7.95	1.72	11.8	88.2	.	.
7	078407	948	SAMPLE	0.89	7.11	1.97	17.4	82.6	.	.
8	078408	949	SAMPLE	0.9	6.65	3.06	37.6	62.4	.	.
9	078409	950	SAMPLE	0.9	6.8	6.8	100	0	.	.

10	078501	954	SAMPLE	0.89	7.55	3.94	45.8	54.2	.	.
11	078502	955	SAMPLE	0.89	6.8	4.6	62.8	37.2	.	.
12	078503	955MS	MS	0.89	6.8	4.6	62.8	37.2	.	.
13	078504	955MSD	MSD	0.89	6.8	4.6	62.8	37.2	.	.
14	078505	956	SAMPLE	0.9	6.98	6.09	85.4	14.6	.	.
15	078506	957	SAMPLE	0.9	7.65	7.65	100	0	.	.
16	078507	958	SAMPLE	0.9	7.39	3.16	34.8	65.2	.	.
17	078508	959	SAMPLE	0.9	7.56	2.37	22.1	77.9	.	.
18	078509	961	SAMPLE	0.9	8.01	6.29	75.8	24.2	.	.

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
40735	Primary 2-Butanone-d5 Ne	CIL	P-6257	01/15/2016	1 mL	01/15/2011		
1000000 ug/mL: 2-Butanone-d5								

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
40736	Primary 2-Hexanone-d5 N	CIL	K-406	01/15/2016	1 mL	01/15/2011		
1000000 ug/mL: 2-Hexanone-d5								

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
41644	PRIMARY BFB	Ultra	CC-1085A	11/30/2015	1 ug/	08/29/2014		
2000 ug/mL: 4-Bromofluorobenzene								

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
41646	PRIMARY IS MIX	RESTEK	A083969	10/01/2018	1 mL	08/29/2014		
2500 ug/mL: 1,4-Dichlorobenzene-d4, 1,4-Difluorobenzene, Chlorobenzene-d5								

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
41647	INTERMEDIATE IS			10/01/2018	4 mL	08/29/2014		
100 ug/mL: 1,4-Dichlorobenzene-d4, 1,4-Difluorobenzene, Chlorobenzene-d5								
COMPOSED OF:								
41646: 160 uL								

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
41648	PRIMARY MS MIX	RESTEK	A082533	02/01/2018	1 mL	08/29/2014		
2500 ug/mL: 1,1-Dichloroethene, Benzene, Chlorobenzene, Toluene, Trichloroethene								

STANDARDS LOG

Standard ID	Type		Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
41651	PRIMARY	KETONE	Restek	A0852547	12/01/2015	1 mL	09/02/2014		

5000 ug/mL: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone

Standard ID	Type		Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
41654	PRIMARY	DMC GA	O2SI	179730	10/08/2016	1 mL	09/02/2014		

2000 ug/mL: Chloroethane-d5, Vinyl chloride-d3

Standard ID	Type		Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
41655	PRIMARY	DMC NO	O2SI	179732	12/26/2016	1 mL	09/02/2014		

2000 ug/mL: 1,1,2,2-Tetrachloroethane-d2, 1,1-Dichloroethene-d2, 1,2-Dichlorobenzene-d4, 1,2-Dichloroethane-d4, 1,2-Dichloropropane-d6, Benzene-d6, Chloroform-d, Toluene-d8, trans-1,3 Dichloropropene-d4

Standard ID	Type		Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
42087	PRIMARY	MEGA M	Restek	A075274	04/30/2017	1 mL	01/29/2015		

2000 ug/mL: 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2 Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Benze Bromochloromethane, Bromodichloromethane, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroform, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Ethylbenzene, Isopropylbenzene (Cumene), m,p-Xylene, Methyl Acetate, Methyl Cyclohexane, Methylene chloride, o-Xylene, Styrene, tert-Butyl Methyl Ether, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene

Standard ID	Type		Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
42213	PRIMARY	GAS	Restek	A081682	04/30/2017	1 mL	03/13/2015		

2000 ug/mL: Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane, Vinyl chloride

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
42379	Intermediate DMCB stock			12/08/2015	4 mL	06/08/2015		

5000 ug/mL: 2-Butanone-d5, 2-Hexanone-d5

COMPOSED OF:

40735: 20 uL 40736: 20 uL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
42394	INTERMEDIATE BFB ST			11/30/2015	4 mL	06/04/2015		

25 ug/mL: 4-Bromofluorobenzene

COMPOSED OF:

41644: 0.05 mL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
42431	INTERMEDIATE LC			08/09/2015	1 mL	07/09/2015		

100 ug/mL: 1,1-Dichloroethene, Benzene, Chlorobenzene, Toluene, Trichloroethene

COMPOSED OF:

41648: 40 uL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
42435	IS			08/13/2015	4 mL	07/13/2015		

100 ug/mL: 1,4-Dichlorobenzene-d4, 1,4-Difluorobenzene, Chlorobenzene-d5

COMPOSED OF:

42436: 160 uL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
42436	PRIMARY IS MIX	RESTEK	A083969	07/13/2017	1 mL	07/13/2015		

2500 ug/mL: 1,4-Dichlorobenzene-d4, 1,4-Difluorobenzene, Chlorobenzene-d5

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
42437	DMC			08/13/2015	4 mL	07/13/2015		

100 ug/mL: 1,1,2,2-Tetrachloroethane-d2, 1,1-Dichloroethene-d2, 1,2-Dichlorobenzene-d4, 1,2-Dichloroethane-d4, 1,2-Dichloropropane-d6, Benzene-d6, Chloroethane-d5, Chloroform-d, Toluene-d8, trans-1,3-Dichloropropene-d4, Vinyl chloride-d3
200 ug/mL: 2-Butanone-d5, 2-Hexanone-d5

COMPOSED OF:

41654: 200 uL 41655: 200 uL 42379: 160 uL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by	Old ID
42438	INTERMEDIATE S			08/13/2015	4 mL	07/13/2015		

100 ug/mL: 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane(EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Benzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dichlorodifluoromethane, Ethylbenzene, Isopropylbenzene (Cumene), m,p-Xylene, Methyl Acetate, Methyl Cyclohexane, Methylene chloride, o-Xylene, Styrene, tert-Butyl Methyl Ether, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Trichlorofluoromethane, Vinyl chloride
200 ug/mL: 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone

COMPOSED OF:

41651: 160 uL 42087: 200 uL 42213: 200 uL

METHOD: CAL ID: ANALYST:

INITIAL CAL: IS/SS ID: ARCHIVE:

COMMENTS: ICV ID:

Volatiles Laboratory — V1 Injection Log — METHOD: _____ ANALYST: _____ BATCH: 713B — Start: 13-JUL-15 09:58 — End: 13-JUL-15 12:10

ICAL DATE: 7/13/15

Comments:

Standards: IS-42425 ____ uL
PMC-42437 ____ uL
STD-42428 ____ uL
BFB-42394 ____ uL

Reviewed By: _____ Manual Integration: NA MI Review: _____ ICV: _____

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS DFB	CBZ	DCB	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	N	DILN	FLG	COMMENTS	pH
290	09:58	BFB	B1Z		AQ																						
291	10:24	CAL01	0051Z		SL		112	114	109															1		OK	
292	10:50	CAL02	0101Z		SL		112	114	111															1		OK	
293	11:17	CAL03	0501Z		SL		100	100	100															1		OK	
294	11:43	CAL04	1001Z		SL		100	106	103															1		OK	
295	12:10	CAL05	2001Z		SL		111	114	111															1		OK	

* - Internal Standard or Surrogate outside of control limits

E - One or more target compounds are above the calibration range

T - Sample was injected outside of the 12 hour sequence

R - One or more spike compounds are outside of control limits

D - Surrogates are diluted

7/15/15

INSTRUMENT

INJECTION LOG

VOLATILES LABORATORY

V1 Injection Log

METHOD: _____ ANALYST: _____ BATCH: 13A.B Start: 13-JUL-15 13:03

Volatiles Laboratory ICAL DATE: 7/13/15 End: 13-JUL-15 23:36

Comments:

Standards: IS-42435 ___ uL
PMC-42437 ___ uL
STD-42438 ___ uL
_____ ___ uL

Reviewed By: _____ Manual Integration: NA MI Review: _____ ICV: _____

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS DFB	CBZ	DCB	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	N	DILN	FLG	COMMENTS	pH
296	13:03	CCV	0501A		SL		100	100	100															1		OK	
297	13:55	MB	K1A	881	SL		123	119	118															1		OK	
298	14:22	78101	L6	881	SL	1	138	135	132															1		OK	
299	14:48	78102	L7	881	SL	1	127	124	125															1		OK	
300	15:15	78103	L8	881	SL	1	148	140	129															1		OK	
301	16:34	78106	K6	881	SL	1	122	117	109															1		OK	
302	17:01	78107	K9	881	SL	1	146	143	134															1		OK	
303	17:27	78108	L0	881	SL	1	158	151	142															1		OK	
304	17:54	78109	L1	881	SL	1	144	138	125															1		OK	
305	18:20	78110	L3	881	SL	1	144	134	113															1		OK	
306	18:46	78111	K5	881	SL	1	139	136	119															1		OK	
307	19:13	78112	K7	881	SL	1	141	140	132															1		OK	
308	19:39	78113	K8	881	SL	1	145	141	131															1		OK	
309	20:05	78114	L2	881	SL	1	134	129	121															1		OK	
310	20:32	78115	L4	881	SL	1	142	138	128															1		OK	
311	20:58	78116	L5	881	SL	1	149	144	132															1		OK	
312	21:51	78409	50	881	SL	1	109	110	106															1		OK	
313	22:18	78506	57	881	SL	1	100	100	92															1		OK	
314	22:44	78410	42	881	SL	1	97	101	101															1		OK, PE# VS1928, 10ul/5g	
315	23:10	78510	53	881	SL	1	98	99	94															1		OK PE# VS1925, 10ul/5g	
316	23:36	CCV	0501B		SL		100	100	100															1		OK	

* - Internal Standard or Surrogate outside of control limits

E - One or more target compounds are above the calibration range

T - Sample was injected outside of the 12 hour sequence

R - One or more spike compounds are outside of control limits

D - Surrogates are diluted

7/15/15

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METHOD: CAL ID: ANALYST:

INITIAL CAL: IS/SS ID: ARCHIVE:

V1 Injection Log METHOD: ANALYST: BATCH: 13B.B Start: 13-JUL-15 23:36

Volatiles Laboratory ICAL DATE: 7/13/15 End: 14-JUL-15 09:43

Comments:

Standards: IS-42435 ___ uL
pMC-42437 ___ uL
STD-42438 ___ uL
___ ___ uL

Reviewed By: Manual Integration: NA MI Review: ICV: ___

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS DFB	CBZ	DCB	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	N	DILN	FLG	COMMENTS	pH
316	23:36	CCV	0501B		SL		100	100	100															1		OK	
317	00:29	MB	LK1B	883	SL		108	111	106															1		OK	
318	00:56	78401	43	883	SL	1	128	127	117															1		OK	
319	01:22	78402	44	883	SL	1	97	83	60															1		OK	
320	02:41	78405	46	883	SL	1	105	91	58									*						1		OK	
321	03:07	78406	47	883	SL	1	93	80	59															1		OK	
322	03:34	78407	48	883	SL	1	93	80	59															1		OK	
323	04:27	78501	54	883	SL	1	117	116	107															1		OK	
324	04:53	78502	55	883	SL	1	116	102	74															1		OK	
325	06:12	78505	56	883	SL	1	114	92	54									*						1		OK	
326	06:39	78507	58	883	SL	1	135	108	67									*						1		OK	
327	07:05	78508	59	883	SL	1	89	76	50									*						1		OK	
328	07:32	78509	61	883	SL	1	100	88	65															1		OK	
329	07:58	78408	49	883	SL	1	98	100	93															1		OK	
330	09:43	LCCV	0501C		SL		100	100	100															1		OK	

* - Internal Standard or Surrogate outside of control limits

E - One or more target compounds are above the calibration range

T - Sample was injected outside of the 12 hour sequence

R - One or more spike compounds are outside of control limits

D - Surrogates are diluted

7/15/15

V1 Injection Log

METHOD: _____ ANALYST: _____ BATCH: 15.B Start: 15-JUL-15 09:19

Volatiles Laboratory

ICAL DATE: 7/13/15 End: 15-JUL-15 19:54

Comments:

Standards: IS-~~VSTD~~ 42435 ____ uL
PMC-42437 ____ uL
STD-42438 ____ uL
BFB-42394 ____ uL

Reviewed By: _____ Manual Integration: NA MI Review: __ ICV: _____

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS DFB	CBZ	DCB	SURROGATES OLC-SOM A	B	C	D	E	F	G	H	I	J	K	L	M	N	DILN	FLG	COMMENTS	pH
171	09:19	3FB	31E		AQ	__																		1		OK	
172	09:46	CCV	0501E		SL	__	100	100	100															1		OK	
173	10:39	MB	LK1E	894	SL	__	106	103	104															1		OK	
174	11:05	078503	55MS	894	SL	1	75	68	56		*													1		OK	
175	11:32	078504	55MSD	894	SL	1	72	70	63															1		OK	
176	11:57	078706	Y61	894	SL	1	95	96	94															1		OK, PE # VS1863. 10uL/sy	
177	12:24	078403	44MS	894	SL	1	84	87	84															1		OK	
178	12:50	078404	44MSD	894	SL	1	89	90	90															1		OK	
179	13:17	078104	TL8MS	894	SL	1	92	91	91															1		OK	
180	13:44	078105	TL8MSD	894	SL	1	91	93	90															1		OK	
181	14:10	4SB	LK1E	894	SL	1	96	97	95															1		OK C5010781)	
182	14:36	6SB	LK1F	894	SL	1	124	122	122															1		OK C5010784) C5010785)	
191	18:35	079801	K8	894	SL	1	111	104	90															1		OK	
192	19:01	079802	K9	894	SL	1	98	102	98															1	E	PCE = 2980. RR x Med	
193	19:28	079803	L0	894	SL	1	97	99	97															1	E	1072 Med	
194	19:54	7CCV	97CCV		SL	__	100	100	100															1			

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range
T - Sample was injected outside of the 12 hour sequence
R - One or more spike compounds are outside of control limits
D - Surrogates are diluted

7/16/15

38

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FedEx Express **NEW Package US Airbill**

FedEx Tracking Number 267

Form ID No. 0215 **Recipient's Copy**

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

1 From This portion can be removed for Recipient's records.

Date 7-7-15 FedEx Tracking Number 267

Sender's Name _____ Phone _____

Company _____

Address _____ Dept./Floor/Suite/Room

City _____ State _____ ZIP _____

2 Your Internal Billing Reference

3 To

Recipient's Name _____ Phone _____

Company _____

Address _____ Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address _____

Use this line for the HOLD location address or for continuation of your shipping address.

City _____ State _____ ZIP _____

☐ HOLD Weekday FedEx location address REQUIRED. **NOT available for** FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. **Available ONLY for** FedEx Priority Overnight and FedEx 2Day to select locations.

67

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

☐ FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☒ FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight
Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

☐ **NEW** FedEx 2Day A.M.
Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day
Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver
Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required
Package may be left without obtaining a signature for delivery.

☐ Direct Signature
Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages 1 Total Weight 18 lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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fedex.com 1.800.GoFedEx 1.800.463.3339

UPS CampusShip: View/Print Label

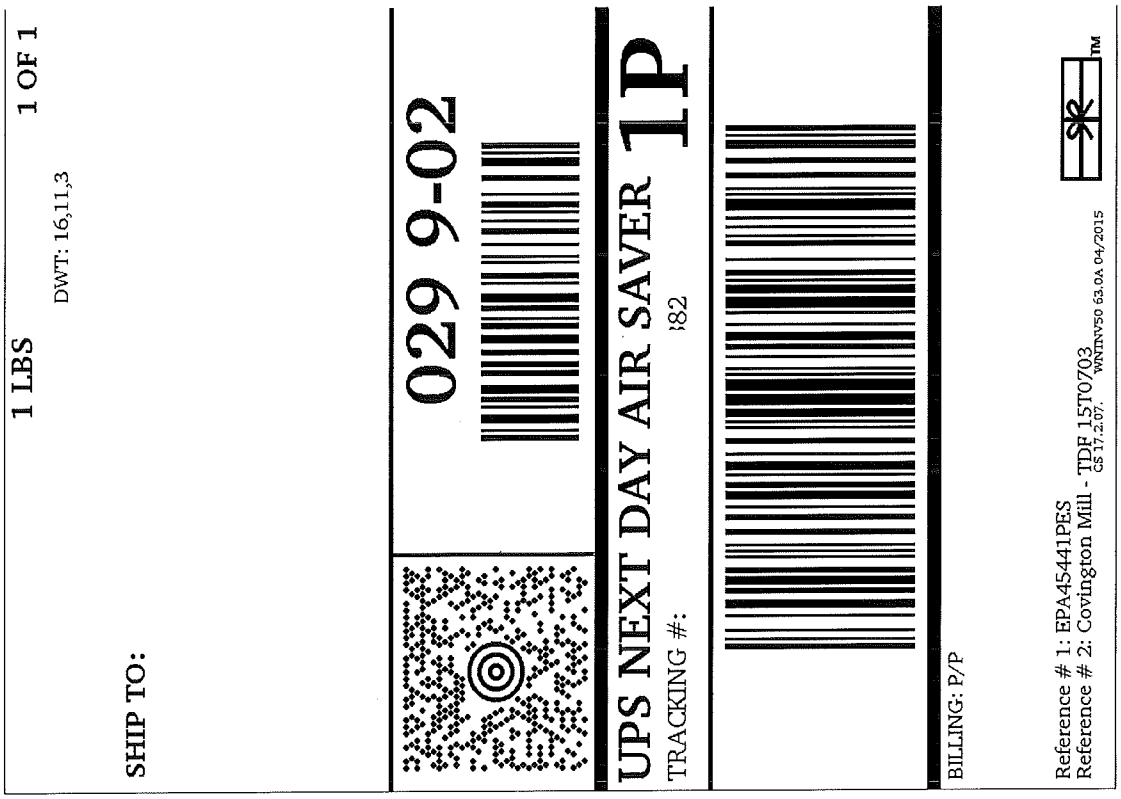
1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   UPS locations include the UPS Store®, UPS drop boxes, UPS customer centers, authorized retail outlets and UPS drivers.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.
   Take your package to any location of The UPS Store®, UPS Drop Box, UPS Customer Center, UPS Alliances (Office Depot® or Staples®) or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

   Customers with a Daily Pickup
   Your driver will pickup your shipment(s) as usual.

FOLD HERE



LOGIN REPORT LEVEL 785

PROFILE:
PROJECT: _21
PROJECT NAME:
DUE DATE 7/27/2015
CLIENT: USEPA
RECEIVE DATE: 7/8/2015 8:50:00 AM
EVENT: Region , 21-day TAT
REPORT TO:
SDG No./Case No.: 954 /

PROJECT NOTES:

* Volatiles

78501

Line Item:	1	Soil samples	VOALow2	VOA Soil Weight	
Line Item:	1	Soil samples	VOAMed2	VOA Soil Weight	
Line Item:	1	Soil samples	VOALow2	VOALow Analysis	
Line Item:	1	Soil samples	VOAMed2	VOAMed Analysis	

SAMPLE TYPE	DATE COLLECTED	DATE RECEIVED	MATRIX	CLIENT ID	STATION ID
SAMPLE	7/7/2015 2:13:00 PM	7/8/2015 8:50:00 AM	S	954	

PROCEDURES:	DESCRIPTION:	COMPOUND LIST:	NUMBER:
VOALow2	VOALow Analysis	VOALow2 Default List	31523
VOAMed2	VOAMed Analysis	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOALow2 Default List	31523

502	Line Item:	1	Soil samples	VOALow2	VOA Soil Weight
	Line Item:	1	Soil samples	VOAMed2	VOA Soil Weight
	Line Item:	1	Soil samples	VOALow2	VOALow Analysis
	Line Item:	1	Soil samples	VOAMed2	VOAMed Analysis

SAMPLE TYPE	DATE COLLECTED	DATE RECEIVED	MATRIX	CLIENT ID	STATION ID
SAMPLE	7/7/2015 1:12:00 PM	7/8/2015 8:50:00 AM	S	955	

PROCEDURES:	DESCRIPTION:	COMPOUND LIST:	NUMBER:
VOALow2	VOALow Analysis	VOALow2 Default List	31523
VOAMed2	VOAMed Analysis	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOALow2 Default List	31523

503	Line Item:	1	Soil samples	VOALow2	VOA Soil Weight
	Line Item:	1	Soil samples	VOAMed2	VOA Soil Weight
	Line Item:	1	Soil samples	VOALow2	VOALow Analysis
	Line Item:	1	Soil samples	VOAMed2	VOAMed Analysis

SAMPLE TYPE	DATE COLLECTED	DATE RECEIVED	MATRIX	CLIENT ID	STATION ID
MS	7/7/2015 1:12:00 PM	7/8/2015 8:50:00 AM	S	955MS	

PROCEDURES:	DESCRIPTION:	COMPOUND LIST:	NUMBER:
VOALow2	VOALow Analysis	VOALow2 Default List	31523
VOAMed2	VOAMed Analysis	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOALow2 Default List	31523

504	Line Item:	1	Soil samples	VOALow2	VOA Soil Weight
	Line Item:	1	Soil samples	VOAMed2	VOA Soil Weight
	Line Item:	1	Soil samples	VOALow2	VOALow Analysis
	Line Item:	1	Soil samples	VOAMed2	VOAMed Analysis

SAMPLE TYPE	DATE COLLECTED	DATE RECEIVED	MATRIX	CLIENT ID	STATION ID
MSD	7/7/2015 1:12:00 PM	7/8/2015 8:50:00 AM	S	955MSD	

PROCEDURES:	DESCRIPTION:	COMPOUND LIST:	NUMBER:
VOALow2	VOALow Analysis	VOALow2 Default List	31523
VOAMed2	VOAMed Analysis	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOALow2 Default List	31523

8505	Line Item:	1	Soil samples	VOALow2	VOA Soil Weight
	Line Item:	1	Soil samples	VOAMed2	VOA Soil Weight
	Line Item:	1	Soil samples	VOALow2	VOALow Analysis
	Line Item:	1	Soil samples	VOAMed2	VOAMed Analysis

SAMPLE TYPE	DATE COLLECTED	DATE RECEIVED	MATRIX	CLIENT ID	STATION ID
SAMPLE	7/7/2015 1:48:00 PM	7/8/2015 8:50:00 AM	S	956	

PROCEDURES:	DESCRIPTION:	COMPOUND LIST:	NUMBER:
VOALow2	VOALow Analysis	VOALow2 Default List	31523
VOAMed2	VOAMed Analysis	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOALow2 Default List	31523

506	Line Item:	1	Soil samples	VOALow2	VOA Soil Weight
	Line Item:	1	Soil samples	VOAMed2	VOA Soil Weight
	Line Item:	1	Soil samples	VOALow2	VOALow Analysis
	Line Item:	1	Soil samples	VOAMed2	VOAMed Analysis

SAMPLE TYPE	DATE COLLECTED	DATE RECEIVED	MATRIX	CLIENT ID	STATION ID
SAMPLE	7/7/2015 11:35:00 AM	7/8/2015 8:50:00 AM	S	957	

PROCEDURES:	DESCRIPTION:	COMPOUND LIST:	NUMBER:
VOALow2	VOALow Analysis	VOALow2 Default List	31523
VOAMed2	VOAMed Analysis	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOALow2 Default List	31523

507	Line Item:	1	Soil samples	VOALow2	VOA Soil Weight
	Line Item:	1	Soil samples	VOAMed2	VOA Soil Weight
	Line Item:	1	Soil samples	VOALow2	VOALow Analysis
	Line Item:	1	Soil samples	VOAMed2	VOAMed Analysis

SAMPLE TYPE	DATE COLLECTED	DATE RECEIVED	MATRIX	CLIENT ID	STATION ID
SAMPLE	7/7/2015 1:29:00 PM	7/8/2015 8:50:00 AM	S	958	

PROCEDURES:	DESCRIPTION:	COMPOUND LIST:	NUMBER:
VOALow2	VOALow Analysis	VOALow2 Default List	31523
VOAMed2	VOAMed Analysis	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOALow2 Default List	31523

08	Line Item:	1	Soil samples	VOALow2	VOA Soil Weight
	Line Item:	1	Soil samples	VOAMed2	VOA Soil Weight
	Line Item:	1	Soil samples	VOALow2	VOALow Analysis
	Line Item:	1	Soil samples	VOAMed2	VOAMed Analysis

SAMPLE TYPE	DATE COLLECTED	DATE RECEIVED	MATRIX	CLIENT ID	STATION ID
SAMPLE	7/7/2015 12:05:00 PM	7/8/2015 8:50:00 AM	S	959	

PROCEDURES:	DESCRIPTION:	COMPOUND LIST:	NUMBER:
VOALow2	VOALow Analysis	VOALow2 Default List	31523
VOAMed2	VOAMed Analysis	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOALow2 Default List	31523

509	Line Item:	1	Soil samples	VOALow2	VOA Soil Weight
	Line Item:	1	Soil samples	VOAMed2	VOA Soil Weight
	Line Item:	1	Soil samples	VOALow2	VOALow Analysis
	Line Item:	1	Soil samples	VOAMed2	VOAMed Analysis

SAMPLE TYPE	DATE COLLECTED	DATE RECEIVED	MATRIX	CLIENT ID	STATION ID
SAMPLE	7/7/2015 12:37:00 PM	7/8/2015 8:50:00 AM	S	961	

PROCEDURES:	DESCRIPTION:	COMPOUND LIST:	NUMBER:
VOALow2	VOALow Analysis	VOALow2 Default List	31523
VOAMed2	VOAMed Analysis	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOAMED2 Default List	31524
VOASoil	VOA Soil Weight	VOALow2 Default List	31523

510	Line Item:	1	Soil samples	VOALow2	VOA Soil Weight	
	Line Item:	1	Soil samples	VOALow2	VOALow Analysis	

SAMPLE TYPE	DATE COLLECTED	DATE RECEIVED	MATRIX	CLIENT ID	STATION ID
SAMPLE	7/7/2015 4:00:00 PM	7/8/2015 9:38:00 AM	S	953	

PROCEDURES:	DESCRIPTION:	COMPOUND LIST:	NUMBER:
VOALow2	VOALow Analysis	VOALow2 Default List	31523
VOASoil	VOA Soil Weight	VOALow2 Default List	31523

Login Report Summary

Method	Count
Dry Weight	9
VOALow2	10
VOAMed2	9

: VOLATILE SAMPLES RECEIVING LOGBOOK

VOA Log-In Date	Workorder	Client ID	Sample Numbers	Relinquished by:	Received by:	Pres. Used	F/R	Returned to R23
7/6/15	54	EPA	01-09			US		
↑	55	EPA	01-09			US		
↓	85	EPA	10			PE		
7/8/15	84	EPA	10			PE		
7/9/15	81	EPA	06-10			E		
7/9/15	82	EPA	06-11			T		
↓	13		07-08			H		
7/9/15	0783	EPA	11-16			T		
7/9/15	0787	EPA	01			PE		
7/9/15	53		01-06			H		
7/9/15	55		01-07			H		
7/10/15	62		01-04			H		
7/10/15	0781	EPA	11-16		↓	E		
7/10/15	0782	EPA	12-17			T		

Logbook ID 90.0191-08/14

Reviewed By:

"Preservative Used" Key

UA = Unpreserved Aqueous
H = HCL **A** = Air **M** = MeOH **E** = Encore
US = Unpreserved Soil
N = $NaHSO_4$ **P**=PE ampule **F** = Freeze **T** = Trace, HCL

Client: USEPA

WONo: 85 **Profile Name:** _ _21 **Profile #:** 20391

MATRIX S

Sample #	Bottle	Parameter	Check	Received	Date
01	004	Dry Weight Dry Weight	In		7/8/2015 3:27:58 PM
01	002	VOALow2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
01	001	VOALow2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
01	003	VOAMed2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
02	004	Dry Weight Dry Weight	In		7/8/2015 3:27:58 PM
02	001	VOALow2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
02	002	VOALow2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
02	003	VOAMed2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
03	004	Dry Weight Dry Weight	In		7/8/2015 3:27:58 PM
03	001	VOALow2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
03	002	VOALow2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
03	003	VOAMed2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
04	004	Dry Weight Dry Weight	In		7/8/2015 3:27:58 PM
04	001	VOALow2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
04	002	VOALow2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
04	003	VOAMed2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
05	004	Dry Weight Dry Weight	In		7/8/2015 3:27:58 PM
05	002	VOALow2 Volatile Organic Compounds	In		7/8/2015 3:27:58 PM

05	001	VOALow2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
05	003	VOAMed2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
06	004	Dry Weight	Dry Weight	In		7/8/2015 3:27:58 PM
06	001	VOALow2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
06	002	VOALow2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
06	003	VOAMed2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
07	004	Dry Weight	Dry Weight	In		7/8/2015 3:27:58 PM
07	001	VOALow2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
07	002	VOALow2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
07	003	VOAMed2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
08	004	Dry Weight	Dry Weight	In		7/8/2015 3:27:58 PM
08	001	VOALow2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
08	002	VOALow2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
08	003	VOAMed2	Volatile Organic Compounds	In		7/8/2015 3:27:58 PM
09	004	Dry Weight	Dry Weight	In		7/8/2015 3:27:59 PM
09	001	VOALow2	Volatile Organic Compounds	In		7/8/2015 3:27:59 PM
09	002	VOALow2	Volatile Organic Compounds	In		7/8/2015 3:27:59 PM
09	003	VOAMed2	Volatile Organic Compounds	In		7/8/2015 3:27:59 PM
10	001	VOALow2	Volatile Organic Compounds	In		7/8/2015 3:27:59 PM
10	001	VOAMed2	Volatile Organic Compounds	In		7/8/2015 3:27:59 PM

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Volatiles (Soil)

US ENVIRONMENTAL PROTECTION AGENCY

INSTRUCTIONS FOR LOW/MEDIUM CONCENTRATION PERFORMANCE EVALUATION SAMPLES VOLATILE ORGANICS IN SOIL

NOTICE: The Performance Evaluation (PE) samples contained in this package are being sent to you as part of a USEPA Sample Delivery Group **or** as a part of another project for which USEPA has oversight responsibility. Please follow the instructions in 1 or 2 below:

1. If these samples are part of a case, match the case number on the PE sample paperwork with the corresponding case number for field samples which have been shipped to you separately. Analyze the PE samples provided with the appropriate matrix.

2. If the PE samples are not associated with a case, they are being provided to your laboratory at the request of the EPA Project Manager responsible for a particular site or project. In this situation, match the site name or project number on the PE sample paperwork with the site name or project number for which you are doing analyses. Analyze the PE samples for the contaminants as specified in your site-specific Quality Assurance Project Plan **or** as directed by your EPA Project Manager.

If you have any problems concerning these samples, please contact your USEPA Project Manager or:

Science and Ecosystem Support Division
Office of Quality Assurance

CAUTION: Read Instructions Carefully BePfore Opening Bottles

Contains Methanol
FLAMMABLE LIQUID POISON

Contains Trace Organics
Material Safety Data Sheets
Available Upon Request

(A) SAMPLE DESCRIPTION

Enclosed is a set of low/medium concentration volatile organics in soil Performance Evaluation Samples(PES). This PES set consists of one or more flame-sealed ampules containing blank soil, and one or more flame-sealed ampules containing a methanol solution of volatile organic analytes. Check the chain of custody record to determine the number of flame-sealed ampules of blank soil, and the number of flame-sealed ampules of PES spiking solutions provided for volatile organics in soil analysis.

CAUTION: The bottles could contain compounds that are light sensitive and should be protected from light during storage. The ampule(s) should be refrigerated at 4°±2°C until sample

preparation or analysis is to occur. Allow the ampule(s) to reach ambient temperature before opening.

(B) BREAKAGE OR MISSING ITEMS

Check the contents of the shipment carefully for any broken, leaking, or missing items. Refer to the enclosed chain-of-custody sheets. Check that seal is intact on each bottle. Report any problems to one of the individuals listed on Page 1.

(C) ANALYSIS REQUIREMENTS

Samples generated from these bottles are to be analyzed as described in your contract or site-specific Quality Assurance Project Plan (QAPP). If any apparent conflict exists between these instructions and your contract or QAPP, follow your contract or QAPP.

(D) GENERATION OF SAMPLES FROM AMPULES FOR ANALYSIS

General Instructions

The instructions provided below are intended as an aid in preparing samples for analysis. Allow the ampule(s) to reach ambient temperature before opening to remove volumetric amounts for spiking. Exercise care in breaking ampule(s) open to avoid injury. Use gas-tight syringes to transfer volumetric aliquots of spiking solution to laboratory reagent water.

Instructions for Volatile Soil Analysis

Employing appropriate safety precautions, this sample is to be handled, prepared, and analyzed exactly as you would process samples received from a known or suspected hazardous waste site. The following steps should be performed rapidly after opening the ampules.

Do not perform a moisture determination on this sample. When calculating the concentrations of analytes, use 0% as the soil moisture content. To begin the analysis, carefully open the **ampule of blank soil** and accurately weigh out approximately **5.0 g** of contents, placing the soil into an appropriate volatile organics in soil vessel for your instrument. Fill a gas-tight syringe with laboratory reagent water and adjust to **5.0 mL**. Gently mix and carefully open the **PES ampule** by snapping the top off at the narrow part of the neck. Spike **10 µL** of solution from the ampule into the prepared syringe. Add the spiked water to the volatile organics in soil vessel and seal the vessel. Gently swirl the vessel to mix. The full volume sample is now ready for analysis. Proceed with sample preparation and analysis as described in DMC (surrogate) solutions into the vessel. An additional aliquot of water, uip for 5mL, may be added as specified in the SOQ. No pH measurement is required.

(E) REPORTING

Report the results for the prepared soil samples described above.

Report format and other instructions for submission of data packages containing these analysis results are included in the SOW, other appropriate method, or your contact.