

Cover Page

Order ID : Q2480

Project ID : Lexington

Client : G Environmental

Lab Sample Number

Q2480-01
Q2480-02
Q2480-03
Q2480-04
Q2480-05
Q2480-06
Q2480-07
Q2480-08

Client Sample Number

GPX1
GPX2
GPX3
GPX4
GPX5
GPX6
GPX7
GPX8

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 7/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

G Environmental

Project Name: Lexington

Project # N/A

Order ID # Q2480

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

8 Solid samples were received on 07/01/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH_NF, VOC-PP, VOC-PP VOA + 15 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for GPX2 [4-Bromofluorobenzene - 226%, Toluene-d8 - 163%], GPX6 [4-Bromofluorobenzene - 286%, Toluene-d8 - 219%], GPX7 [4-Bromofluorobenzene - 201% and Toluene-d8 - 209%] Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported, while for GPX3RE [Toluene-d8 - 72%] sample was reanalyzed to confirm the failure and reported.

The Internal Standards Areas met the acceptable requirements except for GPX3RE, sample was reanalyzed to confirm the failure and reported.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike for {VW0709SBS01} with File ID: VW031769.D met requirements for all samples except for cis-1,2-Dichloroethene[124%], Methylene Chloride[176%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike for {VX0710MBS01} with File ID: VX046953.D met requirements for all samples except for Bromomethane[55%] failing biased low but associate CCAL passing for failing analyte and also sample having no positive hit for Bromomethane therefore no corrective action taken.

The Blank Spike for {VX0714MBS01} with File ID: VX046964.D met requirements for all samples except for 2-Butanone[135%], 2-Hexanone[141%] and 4-Methyl-2-Pentanone[136%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike for {VY0707SBS01} with File ID: VY022948.D met requirements for all samples except for Methylene Chloride[142%] is failing high and associate sample having hit of Methylene Chloride but below CRQL therefore no corrective action taken.

The Blank Spike for {VY0708SBS01} with File ID: VY022970.D met requirements for all samples except for Methylene Chloride[149%] is failing high and associate sample having positive hit of Methylene Chloride therefore as corrective action lab reanalyzed and reported both run.

The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82W063025S.M) for Methylene Chloride passing on Quadratic Regression.

The Continuous Calibration File ID VX046933.D met the requirements except for 2-Hexanone and Methyl Acetate are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VX046961.D met the requirements except for 1,2-Dibromo-3-Chloropropane, 2-Butanone, 2-Hexanone, 4-Methyl-2-Pentanone, Methyl Acetate and Methyl tert-butyl Ether are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples GPX5, GPX8 were directly analyzed in methanol as per past history of the samples.

Samples GPX2, GPX4, GPX6 and GPX7 were diluted due to high concentrations.

E. Additional Comments:

The Sample #GPX1, GPX3, GPX5, GPX6ME , GPX7ME, GPX8 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.



284 Sheffield Street, Mountainside, NJ 07092
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Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2480

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 07/15/2025

LAB CHRONICLE

OrderID:	Q2480	OrderDate:	7/1/2025 3:54:51 PM
Client:	G Environmental	Project:	Lexington
Contact:	Gary Landis	Location:	A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2480-01	GPX1	SOIL	VOC-TCLVOA-10	8260D	06/30/25		07/07/25	07/01/25
Q2480-02	GPX2	SOIL	VOC-TCLVOA-10	8260D	06/30/25		07/08/25	07/01/25
Q2480-02ME	GPX2ME	SOIL	VOC-TCLVOA-10	8260D	06/30/25		07/14/25	07/01/25
Q2480-03	GPX3	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/08/25	07/01/25
Q2480-03RE	GPX3RE	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/10/25	07/01/25
Q2480-04	GPX4	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/10/25	07/01/25
Q2480-04ME	GPX4ME	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/14/25	07/01/25
Q2480-05	GPX5	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/10/25	07/01/25
Q2480-06	GPX6	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/10/25	07/01/25
Q2480-06ME	GPX6ME	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/10/25	07/01/25
Q2480-07	GPX7	SOIL	VOC-TCLVOA-10	8260D	07/01/25		07/09/25	07/01/25
Q2480-07ME	GPX7ME	SOIL			07/01/25			07/01/25

LAB CHRONICLE

Q2480-08	GPX8	SOIL	VOC-TCLVOA-10	8260D		07/10/25	
			VOC-TCLVOA-10	8260D	07/01/25	07/10/25	07/01/25

Hit Summary Sheet
SW-846

SDG No.: Q2480
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	GPX1							
Q2480-01	GPX1	SOIL	Methylene Chloride	3.80	JQ	2.40	6.90	ug/Kg
			Total Voc :	3.80				
			Total Concentration:	3.80				
Client ID:	GPX2							
Q2480-02	GPX2	SOIL	Methylene Chloride	10.3	Q	3.20	9.10	ug/Kg
Q2480-02	GPX2	SOIL	Cyclohexane	230	E	0.72	4.50	ug/Kg
Q2480-02	GPX2	SOIL	Methylcyclohexane	780	E	0.82	4.50	ug/Kg
Q2480-02	GPX2	SOIL	Tetrachloroethene	4.60		0.95	4.50	ug/Kg
Q2480-02	GPX2	SOIL	Ethyl Benzene	10.4		0.61	4.50	ug/Kg
Q2480-02	GPX2	SOIL	m/p-Xylenes	40.5		1.10	9.10	ug/Kg
Q2480-02	GPX2	SOIL	o-Xylene	97.8		0.74	4.50	ug/Kg
Q2480-02	GPX2	SOIL	Isopropylbenzene	24.2		0.71	4.50	ug/Kg
			Total Voc :	1200				
Q2480-02	GPX2	SOIL	Octane	* 210	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Heptane	* 65.4	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Heptane, 3-methyl-	* 84.3	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Heptane, 2-methyl-	* 56.7	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	2-Acetylcyclopentanone	* 160	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Cyclohexane, ethyl-	* 110	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Cyclohexane, propyl-	* 55.0	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Cyclohexane, 1,3,5-trimethyl-	* 100	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Cyclohexane, 1,3-dimethyl-, tr	* 100	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Heptane, 2,5-dimethyl-	* 47.3	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Octane, 3-methyl-	* 90.7	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Cyclopentane, 1,3-dimethyl-, ci	* 44.8	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Octane, 2-methyl-	* 50.8	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Cyclohexane, 1,2-dimethyl-, tr	* 69.2	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	Cyclooctene, 3-methyl-	* 82.0	J	0	0	ug/Kg
Q2480-02	GPX2	SOIL	1,3,5-Trimethylbenzene	* 490	J	0.74	4.50	ug/Kg
Q2480-02	GPX2	SOIL	tert-Butylbenzene	* 4.40	J	0.61	4.50	ug/Kg
Q2480-02	GPX2	SOIL	1,2,4-Trimethylbenzene	* 53.5	J	0.58	4.50	ug/Kg
Q2480-02	GPX2	SOIL	sec-Butylbenzene	* 16.7	J	0.60	4.50	ug/Kg
Q2480-02	GPX2	SOIL	p-Isopropyltoluene	* 51.8	J	0.56	4.50	ug/Kg
Q2480-02	GPX2	SOIL	n-Butylbenzene	* 4.40	J	1.30	4.50	ug/Kg
Q2480-02	GPX2	SOIL	Naphthalene	* 110	J	2.30	4.50	ug/Kg
			Total Tics :	2060				

Hit Summary Sheet
SW-846

SDG No.: Q2480

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: GPX2ME				Total Concentration: 3250				
Q2480-02ME	GPX2ME	SOIL	Cyclohexane	160	JD	34.0	220	ug/Kg
Q2480-02ME	GPX2ME	SOIL	Methylcyclohexane	840	D	39.2	220	ug/Kg
Q2480-02ME	GPX2ME	SOIL	Benzene	50.7	JD	34.0	220	ug/Kg
Q2480-02ME	GPX2ME	SOIL	Toluene	52.4	JD	33.6	220	ug/Kg
Q2480-02ME	GPX2ME	SOIL	Tetrachloroethene	61.9	JD	45.2	220	ug/Kg
Q2480-02ME	GPX2ME	SOIL	Ethyl Benzene	340	D	28.9	220	ug/Kg
Q2480-02ME	GPX2ME	SOIL	m/p-Xylenes	1200	D	53.4	430	ug/Kg
Q2480-02ME	GPX2ME	SOIL	o-Xylene	66.0	JD	35.3	220	ug/Kg
Q2480-02ME	GPX2ME	SOIL	Isopropylbenzene	110	JD	33.6	220	ug/Kg
Total Voc :				2880				
Client ID: GPX3				Total Concentration: 2880				
Q2480-03	GPX3	SOIL	Methylene Chloride	9.00	Q	2.90	8.10	ug/Kg
Total Voc :				9.00				
Q2480-03	GPX3	SOIL	1,3,5-Trimethylbenzene	* 1.00	J	0.67	4.10	ug/Kg
Total Tics :				1.00				
Client ID: GPX4				Total Concentration: 10.0				
Q2480-04	GPX4	SOIL	Acetone	16.6	J	3.70	19.3	ug/Kg
Q2480-04	GPX4	SOIL	Methylene Chloride	7.60	J	2.70	7.70	ug/Kg
Q2480-04	GPX4	SOIL	Cyclohexane	41.1		0.61	3.90	ug/Kg
Q2480-04	GPX4	SOIL	Methylcyclohexane	43.0		0.70	3.90	ug/Kg
Q2480-04	GPX4	SOIL	Benzene	4.20		0.61	3.90	ug/Kg
Q2480-04	GPX4	SOIL	Toluene	10.7		0.60	3.90	ug/Kg
Q2480-04	GPX4	SOIL	Ethyl Benzene	230	E	0.52	3.90	ug/Kg
Q2480-04	GPX4	SOIL	m/p-Xylenes	160		0.96	7.70	ug/Kg
Q2480-04	GPX4	SOIL	o-Xylene	6.70		0.63	3.90	ug/Kg
Q2480-04	GPX4	SOIL	Isopropylbenzene	14.3		0.60	3.90	ug/Kg
Total Voc :				534				
Q2480-04	GPX4	SOIL	unknown10.508	* 7.20	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Cyclopentane, methyl-	* 25.0	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	n-Hexane	* 9.10	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Cyclohexene	* 13.2	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Heptane	* 6.20	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Cyclopentene, 1,2,3-trimethyl-	* 6.90	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Indane	* 25.9	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2480

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2480-04	GPX4	SOIL	Cyclohexene, 1-methyl-	* 14.6	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Benzene, 1-ethyl-2-methyl-	* 7.60	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Benzene, 1-ethyl-3-methyl-	* 8.50	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Cyclopentene, 1-methyl-	* 15.0	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Indan, 1-methyl-	* 6.30	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Cyclobutane, (1-methylethylidene)	* 10.2	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	Benzene, 1-ethenyl-4-ethyl-	* 8.50	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	2-Pentene, 4-methyl-	* 6.90	J	0	0	ug/Kg
Q2480-04	GPX4	SOIL	n-propylbenzene	* 20.9	J	0.56	3.90	ug/Kg
Q2480-04	GPX4	SOIL	1,3,5-Trimethylbenzene	* 19.0	J	0.63	3.90	ug/Kg
Q2480-04	GPX4	SOIL	1,2,4-Trimethylbenzene	* 52.4	J	0.50	3.90	ug/Kg
Q2480-04	GPX4	SOIL	p-Isopropyltoluene	* 1.30	J	0.48	3.90	ug/Kg
Q2480-04	GPX4	SOIL	Naphthalene	* 60.9	J	2.00	3.90	ug/Kg
Total Tics :					326			
Total Concentration:					860			
Client ID:	GPX4ME							
Q2480-04ME	GPX4ME	SOIL	Cyclohexane	71.3	JD	28.7	180	ug/Kg
Q2480-04ME	GPX4ME	SOIL	Methylcyclohexane	110	JD	33.1	180	ug/Kg
Q2480-04ME	GPX4ME	SOIL	Toluene	38.0	JD	28.3	180	ug/Kg
Q2480-04ME	GPX4ME	SOIL	Ethyl Benzene	430	D	24.3	180	ug/Kg
Q2480-04ME	GPX4ME	SOIL	m/p-Xylenes	75.9	JD	45.0	360	ug/Kg
Total Voc :					725			
Total Concentration:					725			
Client ID:	GPX5							
Q2480-05	GPX5	SOIL	Methylcyclohexane	8500		300	1600	ug/Kg
Q2480-05	GPX5	SOIL	Ethyl Benzene	11600		220	1600	ug/Kg
Q2480-05	GPX5	SOIL	m/p-Xylenes	14000		400	3300	ug/Kg
Q2480-05	GPX5	SOIL	Isopropylbenzene	3200		250	1600	ug/Kg
Total Voc :					37300			
Q2480-05	GPX5	SOIL	Benzene, 1,2,4,5-tetramethyl-	* 18800	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Octane	* 17500	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Nonane	* 26700	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Benzene, 1,2,3,5-tetramethyl-	* 15800	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	o-Cymene	* 13200	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Heptane, 2-methyl-	* 13000	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Benzene, 1-ethyl-2-methyl-	* 27300	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Benzene, 1-ethyl-4-methyl-	* 27000	J	0	0	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2480

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2480-05	GPX5	SOIL	Indan, 1-methyl-	* 21900	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Benzene, (2-methyl-1-propenyl	* 15100	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	* 15500	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Octane, 4-methyl-	* 21100	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Benzene, 2-ethyl-1,3-dimethyl-	* 25700	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Nonane, 3-methyl-	* 14100	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	* 28000	J	0	0	ug/Kg
Q2480-05	GPX5	SOIL	n-propylbenzene	* 10700	J	240	1600	ug/Kg
Q2480-05	GPX5	SOIL	1,3,5-Trimethylbenzene	* 21600	J	270	1600	ug/Kg
Q2480-05	GPX5	SOIL	1,2,4-Trimethylbenzene	* 84000	J	210	1600	ug/Kg
Q2480-05	GPX5	SOIL	sec-Butylbenzene	* 1800	J	210	1600	ug/Kg
Q2480-05	GPX5	SOIL	p-Isopropyltoluene	* 1600	J	200	1600	ug/Kg
Q2480-05	GPX5	SOIL	n-Butylbenzene	* 5400	J	470	1600	ug/Kg
Q2480-05	GPX5	SOIL	Naphthalene	* 14600	J	840	1600	ug/Kg
Q2480-05	GPX5	SOIL	Methyl Iodide	* 340	J	300	1600	ug/Kg
Total Tics :				441000				
Total Concentration:				478000				
Client ID:	GPX6							
Q2480-06	GPX6	SOIL	Carbon Disulfide	1.70	J	1.10	5.20	ug/Kg
Q2480-06	GPX6	SOIL	Methylcyclohexane	290	E	0.95	5.20	ug/Kg
Q2480-06	GPX6	SOIL	Benzene	2.80	J	0.82	5.20	ug/Kg
Q2480-06	GPX6	SOIL	Ethyl Benzene	170	E	0.70	5.20	ug/Kg
Q2480-06	GPX6	SOIL	m/p-Xylenes	310		1.30	10.4	ug/Kg
Q2480-06	GPX6	SOIL	Isopropylbenzene	51.7		0.81	5.20	ug/Kg
Total Voc :				826				
Q2480-06	GPX6	SOIL	Hexane, 3-methyl-	* 200	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Heptane, 3-methyl-	* 370	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Pentane, 3-ethyl-2-methyl-	* 220	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Benzene, 1-methyl-2-(2-propen	* 220	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Cyclohexane, ethyl-	* 300	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	* 210	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Cyclohexane, 1,3,5-trimethyl-,	* 340	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Cyclohexane, 1,2-dimethyl-, cis	* 300	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Cyclohexane, 1,4-dimethyl-, trans	* 340	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Heptane, 2,5-dimethyl-	* 270	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Octane, 3-methyl-	* 270	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Octane, 4-methyl-	* 230	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2480

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2480-06	GPX6	SOIL	1-Ethyl-4-methylcyclohexane	* 280	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Cyclohexane, 1,2-dimethyl-, tr	* 200	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	Cyclooctene, 3-methyl-	* 320	J	0	0	ug/Kg
Q2480-06	GPX6	SOIL	n-propylbenzene	* 160	J	0.76	5.20	ug/Kg
Q2480-06	GPX6	SOIL	1,3,5-Trimethylbenzene	* 260	J	0.86	5.20	ug/Kg
Q2480-06	GPX6	SOIL	1,2,4-Trimethylbenzene	* 780	J	0.67	5.20	ug/Kg
Q2480-06	GPX6	SOIL	sec-Butylbenzene	* 75.0	J	0.69	5.20	ug/Kg
Q2480-06	GPX6	SOIL	p-Isopropyltoluene	* 34.3	J	0.65	5.20	ug/Kg
Q2480-06	GPX6	SOIL	n-Butylbenzene	* 80.4	J	1.50	5.20	ug/Kg
Q2480-06	GPX6	SOIL	Naphthalene	* 110	J	2.70	5.20	ug/Kg
Total Tics :				5570				
Total Concentration:				6400				
Client ID:	GPX6ME							
Q2480-06ME	GPX6ME	SOIL	Methylcyclohexane	2000	JD	420	2300	ug/Kg
Q2480-06ME	GPX6ME	SOIL	Ethyl Benzene	690	JD	310	2300	ug/Kg
Total Voc :				2690				
Total Concentration:				2690				
Client ID:	GPX7							
Q2480-07	GPX7	SOIL	Carbon Disulfide	0.90	J	0.69	3.30	ug/Kg
Q2480-07	GPX7	SOIL	Cyclohexane	450	E	0.52	3.30	ug/Kg
Q2480-07	GPX7	SOIL	Methylcyclohexane	1500	E	0.60	3.30	ug/Kg
Q2480-07	GPX7	SOIL	Benzene	3.70		0.52	3.30	ug/Kg
Q2480-07	GPX7	SOIL	m/p-Xylenes	12.7		0.81	6.60	ug/Kg
Q2480-07	GPX7	SOIL	o-Xylene	9.60		0.54	3.30	ug/Kg
Total Voc :				1980				
Q2480-07	GPX7	SOIL	unknown10.514	* 210	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	unknown10.849	* 38.3	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Heptane	* 42.9	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Heptane, 3-methyl-	* 55.3	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Cyclohexene, 3,5-dimethyl-	* 120	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Heptane, 2,6-dimethyl-	* 60.2	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Decane, 5,6-dimethyl-	* 44.5	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Cyclohexane, ethyl-	* 120	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Heptane, 2,4-dimethyl-	* 150	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Octane, 3-methyl-	* 74.3	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 85.9	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Cyclohexane, 1,2-dimethyl-, tr	* 89.5	J	0	0	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2480

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2480-07	GPX7	SOIL	Cyclooctene, 3-methyl-	* 89.3	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	1,4-Hexadiene, 2,3-dimethyl-	* 170	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	Methyl ethyl cyclopentene	* 48.2	J	0	0	ug/Kg
Q2480-07	GPX7	SOIL	1,3,5-Trimethylbenzene	* 180	J	0.54	3.30	ug/Kg
Q2480-07	GPX7	SOIL	tert-Butylbenzene	* 6.00	J	0.44	3.30	ug/Kg
Q2480-07	GPX7	SOIL	1,2,4-Trimethylbenzene	* 3.50	J	0.42	3.30	ug/Kg
Q2480-07	GPX7	SOIL	sec-Butylbenzene	* 19.1	J	0.43	3.30	ug/Kg
Q2480-07	GPX7	SOIL	p-Isopropyltoluene	* 41.2	J	0.41	3.30	ug/Kg
Total Tics :				1650				
Total Concentration:				3630				
Client ID:	GPX7ME							
Q2480-07ME	GPX7ME	SOIL	Cyclohexane	4500	D	290	1800	ug/Kg
Q2480-07ME	GPX7ME	SOIL	Methylcyclohexane	14900	D	330	1800	ug/Kg
Q2480-07ME	GPX7ME	SOIL	Ethyl Benzene	11100	D	240	1800	ug/Kg
Q2480-07ME	GPX7ME	SOIL	m/p-Xylenes	3600	D	450	3600	ug/Kg
Q2480-07ME	GPX7ME	SOIL	Isopropylbenzene	2500	D	280	1800	ug/Kg
Total Voc :				36600				
Total Concentration:				36600				
Client ID:	GPX8							
Q2480-08	GPX8	SOIL	Cyclohexane	3300		250	1600	ug/Kg
Q2480-08	GPX8	SOIL	Methylcyclohexane	11600		290	1600	ug/Kg
Q2480-08	GPX8	SOIL	Ethyl Benzene	10200		210	1600	ug/Kg
Q2480-08	GPX8	SOIL	m/p-Xylenes	11800		400	3200	ug/Kg
Q2480-08	GPX8	SOIL	Isopropylbenzene	2800		250	1600	ug/Kg
Total Voc :				39700				
Q2480-08	GPX8	SOIL	Naphthalene, 2-methyl-	* 11800	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Benzene, 1,2,4-trimethyl-	* 24400	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Benzene, 1,2,4,5-tetramethyl-	* 13500	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Octane	* 12600	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Nonane	* 12600	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Benzene, 1,2-diethyl-	* 24100	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Benzene, 1,2,3,5-tetramethyl-	* 17600	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	o-Cymene	* 23600	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Benzene, 1-methyl-3-(1-methyl	* 12100	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Benzene, 1-ethyl-2-methyl-	* 22100	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Indan, 1-methyl-	* 11800	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	* 15000	J	0	0	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2480

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2480-08	GPX8	SOIL	Octane, 4-methyl-	* 15000	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Benzene, 1-ethenyl-4-ethyl-	* 19400	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	Benzene, 1-ethenyl-3-ethyl-	* 13400	J	0	0	ug/Kg
Q2480-08	GPX8	SOIL	n-propylbenzene	* 9100	J	230	1600	ug/Kg
Q2480-08	GPX8	SOIL	1,3,5-Trimethylbenzene	* 17500	J	260	1600	ug/Kg
Q2480-08	GPX8	SOIL	1,2,4-Trimethylbenzene	* 80100	J	210	1600	ug/Kg
Q2480-08	GPX8	SOIL	sec-Butylbenzene	* 1400	J	210	1600	ug/Kg
Q2480-08	GPX8	SOIL	p-Isopropyltoluene	* 1400	J	200	1600	ug/Kg
Q2480-08	GPX8	SOIL	n-Butylbenzene	* 4700	J	460	1600	ug/Kg
Q2480-08	GPX8	SOIL	Naphthalene	* 12500	J	820	1600	ug/Kg
Total Tics :				376000				
Total Concentration:				415000				



QC SUMMARY

Surrogate Summary

SDG No.: **Q2480**

Client: **G Environmental**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2480-01	GPX1	1,2-Dichloroethane-d4	50	51.0	102		63	155
		Dibromofluoromethane	50	51.9	104		70	134
		Toluene-d8	50	52.3	105		74	123
		4-Bromofluorobenzene	50	55.6	111		17	146
Q2480-02	GPX2	1,2-Dichloroethane-d4	50	46.4	93		63	155
		Dibromofluoromethane	50	46.1	92		70	134
		Toluene-d8	50	81.4	163	*	74	123
		4-Bromofluorobenzene	50	113	226	*	17	146
Q2480-02ME	GPX2ME	1,2-Dichloroethane-d4	50	52.1	104		63	155
		Dibromofluoromethane	50	47.9	96		70	134
		Toluene-d8	50	48.4	97		74	123
		4-Bromofluorobenzene	50	51.3	103		17	146
Q2480-03	GPX3	1,2-Dichloroethane-d4	50	53.9	108		63	155
		Dibromofluoromethane	50	52.5	105		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	59.4	119		17	146
Q2480-03RE	GPX3RE	1,2-Dichloroethane-d4	50	38.9	78		63	155
		Dibromofluoromethane	50	37.7	75		70	134
		Toluene-d8	50	35.9	72	*	74	123
		4-Bromofluorobenzene	50	32.2	64		17	146
Q2480-04	GPX4	1,2-Dichloroethane-d4	50	52.8	106		63	155
		Dibromofluoromethane	50	48.9	98		70	134
		Toluene-d8	50	50.1	100		74	123
		4-Bromofluorobenzene	50	48.0	96		17	146
Q2480-04ME	GPX4ME	1,2-Dichloroethane-d4	50	52.4	105		63	155
		Dibromofluoromethane	50	48.1	96		70	134
		Toluene-d8	50	48.9	98		74	123
		4-Bromofluorobenzene	50	50.9	102		17	146
Q2480-05	GPX5	1,2-Dichloroethane-d4	50	51.0	102		63	155
		Dibromofluoromethane	50	47.9	96		70	134
		Toluene-d8	50	49.9	100		74	123
		4-Bromofluorobenzene	50	49.8	100		17	146
Q2480-06	GPX6	1,2-Dichloroethane-d4	50	48.1	96		63	155
		Dibromofluoromethane	50	48.0	96		70	134
		Toluene-d8	50	109	219	*	74	123
		4-Bromofluorobenzene	50	143	286	*	17	146
Q2480-06ME	GPX6ME	1,2-Dichloroethane-d4	50	51.1	102		63	155
		Dibromofluoromethane	50	47.4	95		70	134
		Toluene-d8	50	50.0	100		74	123
		4-Bromofluorobenzene	50	51.6	103		17	146
Q2480-07	GPX7	1,2-Dichloroethane-d4	50	46.7	93		63	155
		Dibromofluoromethane	50	47.4	95		70	134
		Toluene-d8	50	104	209	*	74	123
		4-Bromofluorobenzene	50	100	201	*	17	146
Q2480-07ME	GPX7ME	1,2-Dichloroethane-d4	50	53.1	106		63	155
		Dibromofluoromethane	50	48.0	96		70	134
		Toluene-d8	50	50.0	100		74	123
		4-Bromofluorobenzene	50	50.3	101		17	146
Q2480-08	GPX8	1,2-Dichloroethane-d4	50	51.4	103		63	155
		Dibromofluoromethane	50	47.9	96		70	134

Surrogate Summary

SDG No.: **Q2480**

Client: **G Environmental**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2480-08	GPX8	Toluene-d8	50	49.3	99		74	123
		4-Bromofluorobenzene	50	49.6	99		17	146
VW0709SBL01	VW0709SBL01	1,2-Dichloroethane-d4	50	44.4	89		63	155
		Dibromofluoromethane	50	46.0	92		70	134
		Toluene-d8	50	45.6	91		74	123
		4-Bromofluorobenzene	50	41.8	84		17	146
VW0709SBS01	VW0709SBS01	1,2-Dichloroethane-d4	50	58.7	117		63	155
		Dibromofluoromethane	50	57.7	115		70	134
		Toluene-d8	50	58.6	117		74	123
		4-Bromofluorobenzene	50	59.5	119		17	146
VW0710SBL01	VW0710SBL01	1,2-Dichloroethane-d4	50	55.9	112		63	155
		Dibromofluoromethane	50	46.0	92		70	134
		Toluene-d8	50	45.5	91		74	123
		4-Bromofluorobenzene	50	45.6	91		17	146
VW0710SBS01	VW0710SBS01	1,2-Dichloroethane-d4	50	48.8	98		63	155
		Dibromofluoromethane	50	47.6	95		70	134
		Toluene-d8	50	49.3	99		74	123
		4-Bromofluorobenzene	50	51.3	103		17	146
VW0710SBSD0	VW0710SBSD01	1,2-Dichloroethane-d4	50	51.5	103		63	155
		Dibromofluoromethane	50	49.9	100		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	51.9	104		17	146
VX0710MBL01	VX0710MBL01	1,2-Dichloroethane-d4	50	51.6	103		63	155
		Dibromofluoromethane	50	48.3	97		70	134
		Toluene-d8	50	49.6	99		74	123
		4-Bromofluorobenzene	50	49.2	98		17	146
VX0710MBS01	VX0710MBS01	1,2-Dichloroethane-d4	50	52.5	105		63	155
		Dibromofluoromethane	50	51.4	103		70	134
		Toluene-d8	50	50.1	100		74	123
		4-Bromofluorobenzene	50	53.1	106		17	146
VX0714MBL01	VX0714MBL01	1,2-Dichloroethane-d4	50	52.0	104		63	155
		Dibromofluoromethane	50	49.9	100		70	134
		Toluene-d8	50	48.8	98		74	123
		4-Bromofluorobenzene	50	51.8	104		17	146
VX0714MBS01	VX0714MBS01	1,2-Dichloroethane-d4	50	53.8	108		63	155
		Dibromofluoromethane	50	53.1	106		70	134
		Toluene-d8	50	51.0	102		74	123
		4-Bromofluorobenzene	50	53.8	108		17	146
VY0707SBL01	VY0707SBL01	1,2-Dichloroethane-d4	50	45.8	91		63	155
		Dibromofluoromethane	50	50.4	101		70	134
		Toluene-d8	50	50.9	102		74	123
		4-Bromofluorobenzene	50	53.3	107		17	146
VY0707SBS01	VY0707SBS01	1,2-Dichloroethane-d4	50	46.9	94		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	50.4	101		74	123
		4-Bromofluorobenzene	50	47.0	94		17	146
VY0708SBL01	VY0708SBL01	1,2-Dichloroethane-d4	50	49.7	99		63	155
		Dibromofluoromethane	50	51.2	102		70	134
		Toluene-d8	50	50.8	102		74	123
		4-Bromofluorobenzene	50	54.9	110		17	146

Surrogate Summary

SDG No.: Q2480

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VY0708SBS01	VY0708SBS01	1,2-Dichloroethane-d4	50	52.0	104		63	155
		Dibromofluoromethane	50	54.0	108		70	134
		Toluene-d8	50	53.5	107		74	123
		4-Bromofluorobenzene	50	51.5	103		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW031769.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0709SBS01	Dichlorodifluoromethane	20	23.9	ug/Kg	119			64	136	
	Chloromethane	20	23.4	ug/Kg	117			52	151	
	Vinyl chloride	20	24.1	ug/Kg	121			56	148	
	Bromomethane	20	23.2	ug/Kg	116			58	141	
	Chloroethane	20	23.2	ug/Kg	116			69	130	
	Trichlorofluoromethane	20	20.8	ug/Kg	104			69	134	
	1,1,2-Trichlorotrifluoroethane	20	23.9	ug/Kg	119			81	123	
	1,1-Dichloroethene	20	23.8	ug/Kg	119			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	22.8	ug/Kg	114			59	130	
	Methyl tert-butyl Ether	20	24.4	ug/Kg	122			77	129	
	Methyl Acetate	20	23.1	ug/Kg	116			69	149	
	Methylene Chloride	20	35.2	ug/Kg	176		*	72	131	
	trans-1,2-Dichloroethene	20	24.2	ug/Kg	121			80	123	
	1,1-Dichloroethane	20	24.1	ug/Kg	121			82	123	
	Cyclohexane	20	23.8	ug/Kg	119			76	122	
	2-Butanone	100	130	ug/Kg	130			69	131	
	Carbon Tetrachloride	20	22.9	ug/Kg	115			76	129	
	cis-1,2-Dichloroethene	20	24.8	ug/Kg	124		*	82	123	
	Bromochloromethane	20	24.3	ug/Kg	121			80	127	
	Chloroform	20	24.3	ug/Kg	121			82	125	
	1,1,1-Trichloroethane	20	24.6	ug/Kg	123			80	126	
	Methylcyclohexane	20	22.9	ug/Kg	115			77	123	
	Benzene	20	23.9	ug/Kg	119			84	121	
	1,2-Dichloroethane	20	23.4	ug/Kg	117			81	126	
	Trichloroethene	20	22.7	ug/Kg	114			83	122	
	1,2-Dichloropropane	20	23.5	ug/Kg	117			83	122	
	Bromodichloromethane	20	23.3	ug/Kg	117			82	123	
	4-Methyl-2-Pentanone	100	120	ug/Kg	120			70	135	
	Toluene	20	24.1	ug/Kg	121			83	122	
	t-1,3-Dichloropropene	20	23.4	ug/Kg	117			78	124	
	cis-1,3-Dichloropropene	20	23.5	ug/Kg	117			81	122	
	1,1,2-Trichloroethane	20	23.7	ug/Kg	119			82	125	
	2-Hexanone	100	120	ug/Kg	120			66	138	
	Dibromochloromethane	20	22.3	ug/Kg	112			79	125	
	1,2-Dibromoethane	20	23.8	ug/Kg	119			80	125	
	Tetrachloroethene	20	23.7	ug/Kg	119			83	125	
	Chlorobenzene	20	23.8	ug/Kg	119			84	122	
	Ethyl Benzene	20	23.1	ug/Kg	116			82	124	
	m/p-Xylenes	40	46.8	ug/Kg	117			83	124	
	o-Xylene	20	23.7	ug/Kg	119			83	123	
	Styrene	20	23.9	ug/Kg	119			82	124	
	Bromoform	20	23.7	ug/Kg	119			75	127	
	Isopropylbenzene	20	22.7	ug/Kg	114			82	124	
	1,1,2,2-Tetrachloroethane	20	23.3	ug/Kg	117			77	127	
	1,3-Dichlorobenzene	20	24.1	ug/Kg	121			83	122	
	1,4-Dichlorobenzene	20	23.4	ug/Kg	117			84	121	
	1,2-Dichlorobenzene	20	24.3	ug/Kg	121			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW031769.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VW0709SBS01	1,2-Dibromo-3-Chloropropane	20	21.9	ug/Kg	110			66	134	
	1,2,4-Trichlorobenzene	20	24.2	ug/Kg	121			78	127	
	1,2,3-Trichlorobenzene	20	23.4	ug/Kg	117			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW031793.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0710SBS01	Dichlorodifluoromethane	20	18.5	ug/Kg	93			64	136	
	Chloromethane	20	19.3	ug/Kg	97			52	151	
	Vinyl chloride	20	20.1	ug/Kg	101			56	148	
	Bromomethane	20	18.8	ug/Kg	94			58	141	
	Chloroethane	20	19.6	ug/Kg	98			69	130	
	Trichlorofluoromethane	20	18.3	ug/Kg	92			69	134	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/Kg	97			81	123	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			79	121	
	Acetone	100	100	ug/Kg	100			40	171	
	Carbon disulfide	20	18.7	ug/Kg	94			59	130	
	Methyl tert-butyl Ether	20	21.2	ug/Kg	106			77	129	
	Methyl Acetate	20	17.7	ug/Kg	89			69	149	
	Methylene Chloride	20	24.3	ug/Kg	121			72	131	
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	20.2	ug/Kg	101			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	19.6	ug/Kg	98			76	129	
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104			82	123	
	Bromochloromethane	20	20.2	ug/Kg	101			80	127	
	Chloroform	20	21.2	ug/Kg	106			82	125	
	1,1,1-Trichloroethane	20	19.8	ug/Kg	99			80	126	
	Methylcyclohexane	20	20.4	ug/Kg	102			77	123	
	Benzene	20	20.8	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.4	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			83	122	
	Bromodichloromethane	20	20.3	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	20.9	ug/Kg	104			83	122	
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103			78	124	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	19.4	ug/Kg	97			79	125	
	1,2-Dibromoethane	20	20.5	ug/Kg	103			80	125	
	Tetrachloroethene	20	19.5	ug/Kg	98			83	125	
	Chlorobenzene	20	21.4	ug/Kg	107			84	122	
	Ethyl Benzene	20	22.0	ug/Kg	110			82	124	
	m/p-Xylenes	40	42.3	ug/Kg	106			83	124	
	o-Xylene	20	21.8	ug/Kg	109			83	123	
	Styrene	20	21.4	ug/Kg	107			82	124	
	Bromoform	20	18.0	ug/Kg	90			75	127	
	Isopropylbenzene	20	20.4	ug/Kg	102			82	124	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/Kg	99			77	127	
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100			83	122	
	1,4-Dichlorobenzene	20	19.1	ug/Kg	96			84	121	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW031793.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0710SBS01	1,2-Dibromo-3-Chloropropane	20	18.2	ug/Kg	91			66	134	
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97			78	127	
	1,2,3-Trichlorobenzene	20	18.5	ug/Kg	93			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW031794.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0710SBSD01	Dichlorodifluoromethane	20	19.6	ug/Kg	98	5		64	136	20
	Chloromethane	20	19.4	ug/Kg	97	0		52	151	20
	Vinyl chloride	20	20.7	ug/Kg	104	3		56	148	20
	Bromomethane	20	18.6	ug/Kg	93	1		58	141	20
	Chloroethane	20	19.4	ug/Kg	97	1		69	130	20
	Trichlorofluoromethane	20	16.6	ug/Kg	83	10		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/Kg	103	6		81	123	20
	1,1-Dichloroethene	20	20.2	ug/Kg	101	0		79	121	20
	Acetone	100	110	ug/Kg	110	10		40	171	20
	Carbon disulfide	20	19.3	ug/Kg	97	3		59	130	20
	Methyl tert-butyl Ether	20	21.6	ug/Kg	108	2		77	129	20
	Methyl Acetate	20	19.0	ug/Kg	95	7		69	149	20
	Methylene Chloride	20	24.4	ug/Kg	122	1		72	131	20
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103	2		80	123	20
	1,1-Dichloroethane	20	21.2	ug/Kg	106	4		82	123	20
	Cyclohexane	20	21.2	ug/Kg	106	5		76	122	20
	2-Butanone	100	110	ug/Kg	110	0		69	131	20
	Carbon Tetrachloride	20	19.7	ug/Kg	99	1		76	129	20
	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	3		82	123	20
	Bromochloromethane	20	21.5	ug/Kg	108	7		80	127	20
	Chloroform	20	21.0	ug/Kg	105	1		82	125	20
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100	1		80	126	20
	Methylcyclohexane	20	20.6	ug/Kg	103	1		77	123	20
	Benzene	20	21.2	ug/Kg	106	2		84	121	20
	1,2-Dichloroethane	20	21.3	ug/Kg	106	4		81	126	20
	Trichloroethene	20	19.5	ug/Kg	98	4		83	122	20
	1,2-Dichloropropane	20	21.1	ug/Kg	106	0		83	122	20
	Bromodichloromethane	20	20.8	ug/Kg	104	2		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	0		70	135	20
	Toluene	20	20.7	ug/Kg	104	0		83	122	20
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103	0		78	124	20
	cis-1,3-Dichloropropene	20	21.3	ug/Kg	106	2		81	122	20
	1,1,2-Trichloroethane	20	21.5	ug/Kg	108	5		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	20.4	ug/Kg	102	5		79	125	20
	1,2-Dibromoethane	20	20.5	ug/Kg	103	0		80	125	20
	Tetrachloroethene	20	19.2	ug/Kg	96	2		83	125	20
	Chlorobenzene	20	21.2	ug/Kg	106	1		84	122	20
	Ethyl Benzene	20	21.3	ug/Kg	106	4		82	124	20
	m/p-Xylenes	40	41.8	ug/Kg	104	2		83	124	20
	o-Xylene	20	21.1	ug/Kg	106	3		83	123	20
	Styrene	20	21.4	ug/Kg	107	0		82	124	20
	Bromoform	20	19.5	ug/Kg	98	9		75	127	20
	Isopropylbenzene	20	21.1	ug/Kg	106	4		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.3	ug/Kg	106	7		77	127	20
	1,3-Dichlorobenzene	20	21.9	ug/Kg	110	10		83	122	20
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	7		84	121	20
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	4		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW031794.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0710SBSD01	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100	9		66	134	20
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99	2		78	127	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	5		70	137	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX046953.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0710MBS01	Dichlorodifluoromethane	2000	1700	ug/Kg	85			64	136	
	Chloromethane	2000	1700	ug/Kg	85			52	151	
	Vinyl chloride	2000	1700	ug/Kg	85			56	148	
	Bromomethane	2000	1100	ug/Kg	55		*	58	141	
	Chloroethane	2000	2200	ug/Kg	110			69	130	
	Trichlorofluoromethane	2000	1800	ug/Kg	90			69	134	
	1,1,2-Trichlorotrifluoroethane	2000	1800	ug/Kg	90			81	123	
	1,1-Dichloroethene	2000	1800	ug/Kg	90			79	121	
	Acetone	10000	9600	ug/Kg	96			40	171	
	Carbon disulfide	2000	1700	ug/Kg	85			59	130	
	Methyl tert-butyl Ether	2000	2100	ug/Kg	105			77	129	
	Methyl Acetate	2000	2400	ug/Kg	120			69	149	
	Methylene Chloride	2000	1900	ug/Kg	95			72	131	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			80	123	
	1,1-Dichloroethane	2000	1900	ug/Kg	95			82	123	
	Cyclohexane	2000	1900	ug/Kg	95			76	122	
	2-Butanone	10000	11200	ug/Kg	112			69	131	
	Carbon Tetrachloride	2000	1800	ug/Kg	90			76	129	
	cis-1,2-Dichloroethene	2000	1900	ug/Kg	95			82	123	
	Bromochloromethane	2000	2200	ug/Kg	110			80	127	
	Chloroform	2000	1900	ug/Kg	95			82	125	
	1,1,1-Trichloroethane	2000	1900	ug/Kg	95			80	126	
	Methylcyclohexane	2000	1700	ug/Kg	85			77	123	
	Benzene	2000	1900	ug/Kg	95			84	121	
	1,2-Dichloroethane	2000	1900	ug/Kg	95			81	126	
	Trichloroethene	2000	1800	ug/Kg	90			83	122	
	1,2-Dichloropropane	2000	1900	ug/Kg	95			83	122	
	Bromodichloromethane	2000	1900	ug/Kg	95			82	123	
	4-Methyl-2-Pentanone	10000	11100	ug/Kg	111			70	135	
	Toluene	2000	1900	ug/Kg	95			83	122	
	t-1,3-Dichloropropene	2000	1800	ug/Kg	90			78	124	
	cis-1,3-Dichloropropene	2000	1800	ug/Kg	90			81	122	
	1,1,2-Trichloroethane	2000	1900	ug/Kg	95			82	125	
	2-Hexanone	10000	11300	ug/Kg	113			66	138	
	Dibromochloromethane	2000	1900	ug/Kg	95			79	125	
	1,2-Dibromoethane	2000	2000	ug/Kg	100			80	125	
	Tetrachloroethene	2000	1800	ug/Kg	90			83	125	
	Chlorobenzene	2000	1900	ug/Kg	95			84	122	
	Ethyl Benzene	2000	1800	ug/Kg	90			82	124	
	m/p-Xylenes	4000	3800	ug/Kg	95			83	124	
	o-Xylene	2000	1900	ug/Kg	95			83	123	
	Styrene	2000	1900	ug/Kg	95			82	124	
	Bromoform	2000	1900	ug/Kg	95			75	127	
	Isopropylbenzene	2000	1900	ug/Kg	95			82	124	
	1,1,2,2-Tetrachloroethane	2000	2000	ug/Kg	100			77	127	
	1,3-Dichlorobenzene	2000	1900	ug/Kg	95			83	122	
	1,4-Dichlorobenzene	2000	1800	ug/Kg	90			84	121	
	1,2-Dichlorobenzene	2000	1900	ug/Kg	95			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX046953.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0710MBS01	1,2-Dibromo-3-Chloropropane	2000	2000	ug/Kg	100			66	134	
	1,2,4-Trichlorobenzene	2000	1700	ug/Kg	85			78	127	
	1,2,3-Trichlorobenzene	2000	1800	ug/Kg	90			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX046964.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0714MBS01	Dichlorodifluoromethane	2000	1800	ug/Kg	90			64	136	
	Chloromethane	2000	1700	ug/Kg	85			52	151	
	Vinyl chloride	2000	1800	ug/Kg	90			56	148	
	Bromomethane	2000	1800	ug/Kg	90			58	141	
	Chloroethane	2000	1900	ug/Kg	95			69	130	
	Trichlorofluoromethane	2000	1900	ug/Kg	95			69	134	
	1,1,2-Trichlorotrifluoroethane	2000	2000	ug/Kg	100			81	123	
	1,1-Dichloroethene	2000	1900	ug/Kg	95			79	121	
	Acetone	10000	11300	ug/Kg	113			40	171	
	Carbon disulfide	2000	1600	ug/Kg	80			59	130	
	Methyl tert-butyl Ether	2000	2300	ug/Kg	115			77	129	
	Methyl Acetate	2000	2900	ug/Kg	145			69	149	
	Methylene Chloride	2000	2000	ug/Kg	100			72	131	
	trans-1,2-Dichloroethene	2000	1900	ug/Kg	95			80	123	
	1,1-Dichloroethane	2000	2000	ug/Kg	100			82	123	
	Cyclohexane	2000	1900	ug/Kg	95			76	122	
	2-Butanone	10000	13500	ug/Kg	135		*	69	131	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	2000	2000	ug/Kg	100			82	123	
	Bromochloromethane	2000	2100	ug/Kg	105			80	127	
	Chloroform	2000	2100	ug/Kg	105			82	125	
	1,1,1-Trichloroethane	2000	2100	ug/Kg	105			80	126	
	Methylcyclohexane	2000	1900	ug/Kg	95			77	123	
	Benzene	2000	2000	ug/Kg	100			84	121	
	1,2-Dichloroethane	2000	2100	ug/Kg	105			81	126	
	Trichloroethene	2000	1900	ug/Kg	95			83	122	
	1,2-Dichloropropane	2000	2000	ug/Kg	100			83	122	
	Bromodichloromethane	2000	2100	ug/Kg	105			82	123	
	4-Methyl-2-Pentanone	10000	13600	ug/Kg	136		*	70	135	
	Toluene	2000	2000	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	2000	2200	ug/Kg	110			78	124	
	cis-1,3-Dichloropropene	2000	2100	ug/Kg	105			81	122	
	1,1,2-Trichloroethane	2000	2200	ug/Kg	110			82	125	
	2-Hexanone	10000	14100	ug/Kg	141		*	66	138	
	Dibromochloromethane	2000	2100	ug/Kg	105			79	125	
	1,2-Dibromoethane	2000	2200	ug/Kg	110			80	125	
	Tetrachloroethene	2000	1900	ug/Kg	95			83	125	
	Chlorobenzene	2000	2000	ug/Kg	100			84	122	
	Ethyl Benzene	2000	2000	ug/Kg	100			82	124	
	m/p-Xylenes	4000	4000	ug/Kg	100			83	124	
	o-Xylene	2000	2000	ug/Kg	100			83	123	
	Styrene	2000	2100	ug/Kg	105			82	124	
	Bromoform	2000	2100	ug/Kg	105			75	127	
	Isopropylbenzene	2000	2100	ug/Kg	105			82	124	
	1,1,2,2-Tetrachloroethane	2000	2300	ug/Kg	115			77	127	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			83	122	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			84	121	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX046964.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0714MBS01	1,2-Dibromo-3-Chloropropane	2000	2600	ug/Kg	130			66	134	
	1,2,4-Trichlorobenzene	2000	2000	ug/Kg	100			78	127	
	1,2,3-Trichlorobenzene	2000	2000	ug/Kg	100			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VY022948.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0707SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	19.1	ug/Kg	96			52	151	
	Vinyl chloride	20	18.8	ug/Kg	94			56	148	
	Bromomethane	20	18.8	ug/Kg	94			58	141	
	Chloroethane	20	19.0	ug/Kg	95			69	130	
	Trichlorofluoromethane	20	19.1	ug/Kg	96			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			79	121	
	Acetone	100	140	ug/Kg	140			40	171	
	Carbon disulfide	20	20.7	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	18.4	ug/Kg	92			77	129	
	Methyl Acetate	20	16.6	ug/Kg	83			69	149	
	Methylene Chloride	20	28.4	ug/Kg	142		*	72	131	
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	21.3	ug/Kg	106			82	123	
	Cyclohexane	20	21.0	ug/Kg	105			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.2	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100			82	123	
	Bromochloromethane	20	20.2	ug/Kg	101			80	127	
	Chloroform	20	20.5	ug/Kg	103			82	125	
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105			80	126	
	Methylcyclohexane	20	20.7	ug/Kg	104			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	19.5	ug/Kg	98			81	126	
	Trichloroethene	20	21.4	ug/Kg	107			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Bromodichloromethane	20	20.3	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	87.9	ug/Kg	88			70	135	
	Toluene	20	20.5	ug/Kg	103			83	122	
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97			78	124	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			81	122	
	1,1,2-Trichloroethane	20	19.3	ug/Kg	97			82	125	
	2-Hexanone	100	97.0	ug/Kg	97			66	138	
	Dibromochloromethane	20	19.3	ug/Kg	97			79	125	
	1,2-Dibromoethane	20	18.6	ug/Kg	93			80	125	
	Tetrachloroethene	20	22.3	ug/Kg	112			83	125	
	Chlorobenzene	20	20.7	ug/Kg	104			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.4	ug/Kg	104			83	124	
	o-Xylene	20	20.3	ug/Kg	102			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	18.3	ug/Kg	92			75	127	
	Isopropylbenzene	20	21.5	ug/Kg	108			82	124	
	1,1,2,2-Tetrachloroethane	20	18.3	ug/Kg	92			77	127	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VY022948.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0707SBS01	1,2-Dibromo-3-Chloropropane	20	16.8	ug/Kg	84			66	134	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	17.7	ug/Kg	89			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VY022970.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0708SBS01	Dichlorodifluoromethane	20	21.8	ug/Kg	109			64	136	
	Chloromethane	20	22.7	ug/Kg	114			52	151	
	Vinyl chloride	20	21.0	ug/Kg	105			56	148	
	Bromomethane	20	23.1	ug/Kg	116			58	141	
	Chloroethane	20	21.9	ug/Kg	110			69	130	
	Trichlorofluoromethane	20	21.0	ug/Kg	105			69	134	
	1,1,2-Trichlorotrifluoroethane	20	22.8	ug/Kg	114			81	123	
	1,1-Dichloroethene	20	22.3	ug/Kg	112			79	121	
	Acetone	100	160	ug/Kg	160			40	171	
	Carbon disulfide	20	21.9	ug/Kg	110			59	130	
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104			77	129	
	Methyl Acetate	20	18.0	ug/Kg	90			69	149	
	Methylene Chloride	20	29.8	ug/Kg	149		*	72	131	
	trans-1,2-Dichloroethene	20	22.1	ug/Kg	111			80	123	
	1,1-Dichloroethane	20	23.1	ug/Kg	116			82	123	
	Cyclohexane	20	22.7	ug/Kg	114			76	122	
	2-Butanone	100	130	ug/Kg	130			69	131	
	Carbon Tetrachloride	20	22.3	ug/Kg	112			76	129	
	cis-1,2-Dichloroethene	20	22.1	ug/Kg	111			82	123	
	Bromochloromethane	20	22.5	ug/Kg	113			80	127	
	Chloroform	20	22.7	ug/Kg	114			82	125	
	1,1,1-Trichloroethane	20	22.6	ug/Kg	113			80	126	
	Methylcyclohexane	20	22.3	ug/Kg	112			77	123	
	Benzene	20	22.9	ug/Kg	115			84	121	
	1,2-Dichloroethane	20	22.2	ug/Kg	111			81	126	
	Trichloroethene	20	22.7	ug/Kg	114			83	122	
	1,2-Dichloropropane	20	23.3	ug/Kg	117			83	122	
	Bromodichloromethane	20	22.5	ug/Kg	113			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	22.2	ug/Kg	111			83	122	
	t-1,3-Dichloropropene	20	21.7	ug/Kg	109			78	124	
	cis-1,3-Dichloropropene	20	22.5	ug/Kg	113			81	122	
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109			82	125	
	2-Hexanone	100	120	ug/Kg	120			66	138	
	Dibromochloromethane	20	21.3	ug/Kg	106			79	125	
	1,2-Dibromoethane	20	20.9	ug/Kg	104			80	125	
	Tetrachloroethene	20	23.1	ug/Kg	116			83	125	
	Chlorobenzene	20	22.3	ug/Kg	112			84	122	
	Ethyl Benzene	20	22.5	ug/Kg	113			82	124	
	m/p-Xylenes	40	44.2	ug/Kg	111			83	124	
	o-Xylene	20	21.8	ug/Kg	109			83	123	
	Styrene	20	21.8	ug/Kg	109			82	124	
	Bromoform	20	20.2	ug/Kg	101			75	127	
	Isopropylbenzene	20	23.1	ug/Kg	116			82	124	
	1,1,2,2-Tetrachloroethane	20	21.2	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	22.3	ug/Kg	112			83	122	
	1,4-Dichlorobenzene	20	22.4	ug/Kg	112			84	121	
	1,2-Dichlorobenzene	20	22.0	ug/Kg	110			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2480</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VY022970.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0708SBS01	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	19.9	ug/Kg	100			70	137	

VOLATILE METHOD BLANK SUMMARY

Client ID

VW0709SBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VW031768.D

Lab Sample ID: VW0709SBL01

Date Analyzed: 07/09/2025

Time Analyzed: 10:58

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0709SBS01	VW0709SBS01	VW031769.D	07/09/2025
GPX7	Q2480-07	VW031777.D	07/09/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VW0710SBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VW031792.D

Lab Sample ID: VW0710SBL01

Date Analyzed: 07/10/2025

Time Analyzed: 10:15

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0710SBS01	VW0710SBS01	VW031793.D	07/10/2025
VW0710SBSD01	VW0710SBSD01	VW031794.D	07/10/2025
GPX3RE	Q2480-03RE	VW031795.D	07/10/2025
GPX4	Q2480-04	VW031796.D	07/10/2025
GPX6	Q2480-06	VW031797.D	07/10/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0710MBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VX046934.D

Lab Sample ID: VX0710MBL01

Date Analyzed: 07/10/2025

Time Analyzed: 10:22

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0710MBS01	VX0710MBS01	VX046953.D	07/10/2025
GPX5	Q2480-05	VX046955.D	07/10/2025
GPX6ME	Q2480-06ME	VX046956.D	07/10/2025
GPX7ME	Q2480-07ME	VX046957.D	07/10/2025
GPX8	Q2480-08	VX046958.D	07/10/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0714MBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VX046962.D

Lab Sample ID: VX0714MBL01

Date Analyzed: 07/14/2025

Time Analyzed: 10:54

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0714MBS01	VX0714MBS01	VX046964.D	07/14/2025
GPX4ME	Q2480-04ME	VX046966.D	07/14/2025
GPX2ME	Q2480-02ME	VX046967.D	07/14/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0707SBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VY022947.D

Lab Sample ID: VY0707SBL01

Date Analyzed: 07/07/2025

Time Analyzed: 09:44

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0707SBS01	VY0707SBS01	VY022948.D	07/07/2025
GPX1	Q2480-01	VY022966.D	07/07/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0708SBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VY022969.D

Lab Sample ID: VY0708SBL01

Date Analyzed: 07/08/2025

Time Analyzed: 11:44

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0708SBS01	VY0708SBS01	VY022970.D	07/08/2025
GPX2	Q2480-02	VY022983.D	07/08/2025
GPX3	Q2480-03	VY022984.D	07/08/2025

COMMENTS: _____



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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VW031728.D

BFB Injection Date: 06/30/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:56

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	5.4 (8.2) 1
176	95.0 - 101.0% of mass 174	64.8 (99.2) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW031729.D	06/30/2025	09:54
VSTDIC010	VSTDIC010	VW031730.D	06/30/2025	10:15
VSTDIC020	VSTDIC020	VW031731.D	06/30/2025	10:58
VSTDIC050	VSTDIC050	VW031732.D	06/30/2025	11:21
VSTDIC100	VSTDIC100	VW031733.D	06/30/2025	12:34
VSTDIC150	VSTDIC150	VW031734.D	06/30/2025	12:55



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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VW031766.D

BFB Injection Date: 07/09/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:51

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	68.4
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	65 (95.1) 1
177	5.0 - 9.0% of mass 176	4.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW031767.D	07/09/2025	10:00
VW0709SBL01	VW0709SBL01	VW031768.D	07/09/2025	10:58
VW0709SBS01	VW0709SBS01	VW031769.D	07/09/2025	11:34
GPX7	Q2480-07	VW031777.D	07/09/2025	15:40



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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VW031790.D

BFB Injection Date: 07/10/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:16

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	64.3
175	5.0 - 9.0% of mass 174	4.9 (7.6) 1
176	95.0 - 101.0% of mass 174	63.2 (98.3) 1
177	5.0 - 9.0% of mass 176	3.9 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW031791.D	07/10/2025	08:47
VW0710SBL01	VW0710SBL01	VW031792.D	07/10/2025	10:15
VW0710SBS01	VW0710SBS01	VW031793.D	07/10/2025	11:05
VW0710SBSD01	VW0710SBSD01	VW031794.D	07/10/2025	11:33
GPX3RE	Q2480-03RE	VW031795.D	07/10/2025	12:19
GPX4	Q2480-04	VW031796.D	07/10/2025	12:41
GPX6	Q2480-06	VW031797.D	07/10/2025	13:03



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VX046859.D

BFB Injection Date: 07/02/2025

Instrument ID: MSVOA_X

BFB Injection Time: 11:12

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	75.5
175	5.0 - 9.0% of mass 174	5.6 (7.4) 1
176	95.0 - 101.0% of mass 174	73.3 (97.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX046860.D	07/02/2025	12:11
VSTDIC005	VSTDIC005	VX046861.D	07/02/2025	12:37
VSTDIC020	VSTDIC020	VX046862.D	07/02/2025	13:18
VSTDIC050	VSTDIC050	VX046863.D	07/02/2025	13:39
VSTDIC100	VSTDIC100	VX046864.D	07/02/2025	14:10
VSTDIC150	VSTDIC150	VX046865.D	07/02/2025	14:31



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VX046932.D

BFB Injection Date: 07/10/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:43

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	75.5
175	5.0 - 9.0% of mass 174	5.7 (7.6) 1
176	95.0 - 101.0% of mass 174	71.9 (95.2) 1
177	5.0 - 9.0% of mass 176	5.1 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046933.D	07/10/2025	09:54
VX0710MBL01	VX0710MBL01	VX046934.D	07/10/2025	10:22
VX0710MBS01	VX0710MBS01	VX046953.D	07/10/2025	18:16
GPX5	Q2480-05	VX046955.D	07/10/2025	18:59
GPX6ME	Q2480-06ME	VX046956.D	07/10/2025	19:20
GPX7ME	Q2480-07ME	VX046957.D	07/10/2025	19:41
GPX8	Q2480-08	VX046958.D	07/10/2025	20:02



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VX046960.D

BFB Injection Date: 07/14/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:10

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	5.4 (7.1) 1
176	95.0 - 101.0% of mass 174	73.8 (98.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046961.D	07/14/2025	09:16
VX0714MBL01	VX0714MBL01	VX046962.D	07/14/2025	10:54
VX0714MBS01	VX0714MBS01	VX046964.D	07/14/2025	11:39
GPX4ME	Q2480-04ME	VX046966.D	07/14/2025	12:27
GPX2ME	Q2480-02ME	VX046967.D	07/14/2025	12:49



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VY022775.D

BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 10:17

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY022776.D	06/23/2025	13:38
VSTDIC010	VSTDIC010	VY022777.D	06/23/2025	14:00
VSTDIC020	VSTDIC020	VY022778.D	06/23/2025	14:23
VSTDIC050	VSTDIC050	VY022779.D	06/23/2025	14:46
VSTDIC100	VSTDIC100	VY022780.D	06/23/2025	15:08
VSTDIC150	VSTDIC150	VY022781.D	06/23/2025	15:31



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VY022945.D
Instrument ID: MSVOA_Y
GC Column: RXI-624 ID: 0.25 (mm)

Contract: GENV01
SDG NO.: Q2480
BFB Injection Date: 07/07/2025
BFB Injection Time: 08:36
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	84
175	5.0 - 9.0% of mass 174	6.1 (7.2) 1
176	95.0 - 101.0% of mass 174	79.8 (95) 1
177	5.0 - 9.0% of mass 176	5.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022946.D	07/07/2025	09:08
VY0707SBL01	VY0707SBL01	VY022947.D	07/07/2025	09:44
VY0707SBS01	VY0707SBS01	VY022948.D	07/07/2025	10:17
GPX1	Q2480-01	VY022966.D	07/07/2025	17:32



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2480

Lab File ID: VY022967.D

BFB Injection Date: 07/08/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:30

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.4
75	30.0 - 60.0% of mass 95	54.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.1 (7.3) 1
176	95.0 - 101.0% of mass 174	80.1 (96.2) 1
177	5.0 - 9.0% of mass 176	5.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022968.D	07/08/2025	11:15
VY0708SBL01	VY0708SBL01	VY022969.D	07/08/2025	11:44
VY0708SBS01	VY0708SBS01	VY022970.D	07/08/2025	12:12
GPX2	Q2480-02	VY022983.D	07/08/2025	18:10
GPX3	Q2480-03	VY022984.D	07/08/2025	18:34

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VW031767.D Date Analyzed: 07/09/2025
 Instrument ID: MSVOA_W Time Analyzed: 10:00
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	247441	7.96	422710	8.85	377094	11.63
UPPER LIMIT	494882	8.459	845420	9.349	754188	12.129
LOWER LIMIT	123721	7.459	211355	8.349	188547	11.129
EPA SAMPLE NO.						
GPX7	202570	7.97	393419	8.86	350819	11.63
VW0709SBL01	208773	7.97	393637	8.85	349817	11.63
VW0709SBS01	187242	7.95	349121	8.85	314319	11.63

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VW031767.D Date Analyzed: 07/09/2025
 Instrument ID: MSVOA_W Time Analyzed: 10:00
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	179078	13.556				
UPPER LIMIT	358156	14.056				
LOWER LIMIT	89539	13.056				
EPA SAMPLE NO.						
GPX7	185596	13.56				
VW0709SBL01	163801	13.56				
VW0709SBS01	151914	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VW031791.D Date Analyzed: 07/10/2025
 Instrument ID: MSVOA_W Time Analyzed: 08:47
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	245114	7.97	431816	8.85	372703	11.63
UPPER LIMIT	490228	8.465	863632	9.349	745406	12.129
LOWER LIMIT	122557	7.465	215908	8.349	186352	11.129
EPA SAMPLE NO.						
GPX3RE	62804 *	7.96	119782 *	8.85	95395 *	11.64
GPX4	183364	7.97	381218	8.86	355538	11.64
GPX6	179251	7.97	363855	8.86	322565	11.63
VW0710SBL01	178449	7.96	403423	8.85	368923	11.64
VW0710SBS01	227800	7.97	411611	8.86	356304	11.64
VW0710SBSD01	226314	7.97	415001	8.85	365558	11.63

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VW031791.D Date Analyzed: 07/10/2025
 Instrument ID: MSVOA_W Time Analyzed: 08:47
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	173821	13.556				
UPPER LIMIT	347642	14.056				
LOWER LIMIT	86910.5	13.056				
EPA SAMPLE NO.						
GPX3RE	38547 *	13.56				
GPX4	162355	13.56				
GPX6	190018	13.56				
VW0710SBL01	171872	13.56				
VW0710SBS01	178658	13.56				
VW0710SBSD01	173637	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VX046933.D Date Analyzed: 07/10/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:54
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	309661	5.56	506196	6.76	449744	10.05
UPPER LIMIT	619322	6.056	1012390	7.263	899488	10.549
LOWER LIMIT	154831	5.056	253098	6.263	224872	9.549
EPA SAMPLE NO.						
GPX5	264865	5.56	461340	6.77	407988	10.06
GPX6ME	352552	5.56	617302	6.76	563552	10.06
GPX7ME	249557	5.56	445780	6.77	406077	10.06
GPX8	377228	5.56	658079	6.77	584775	10.06
VX0710MBL01	220827	5.56	390309	6.76	362012	10.06
VX0710MBS01	334978	5.56	561587	6.77	507345	10.06

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VX046933.D Date Analyzed: 07/10/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:54
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	231018	12.018				
UPPER LIMIT	462036	12.518				
LOWER LIMIT	115509	11.518				
EPA SAMPLE NO.						
GPX5	192639	12.02				
GPX6ME	282479	12.02				
GPX7ME	201295	12.02				
GPX8	281510	12.02				
VX0710MBL01	178141	12.02				
VX0710MBS01	262771	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VX046961.D Date Analyzed: 07/14/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:16
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	302863	5.56	503750	6.76	451308	10.05
UPPER LIMIT	605726	6.056	1007500	7.263	902616	10.549
LOWER LIMIT	151432	5.056	251875	6.263	225654	9.549
EPA SAMPLE NO.						
GPX2ME	302766	5.56	512075	6.76	458895	10.06
GPX4ME	315290	5.56	536279	6.76	490599	10.06
VX0714MBL01	353449	5.56	590149	6.77	542379	10.06
VX0714MBS01	309393	5.56	505368	6.77	459018	10.06

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VX046961.D Date Analyzed: 07/14/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:16
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	220043	12.018				
UPPER LIMIT	440086	12.518				
LOWER LIMIT	110022	11.518				
EPA SAMPLE NO.						
GPX2ME	234758	12.02				
GPX4ME	247915	12.02				
VX0714MBL01	279389	12.02				
VX0714MBS01	231775	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VY022946.D Date Analyzed: 07/07/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:08
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	469181	7.71	754142	8.62	648632	11.41
UPPER LIMIT	938362	8.207	1508280	9.116	1297260	11.914
LOWER LIMIT	234591	7.207	377071	8.116	324316	10.914
EPA SAMPLE NO.						
GPX1	283156	7.71	548345	8.62	553452	11.41
VY0707SBL01	359794	7.71	659995	8.62	632698	11.41
VY0707SBS01	438661	7.71	730129	8.61	612594	11.41

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VY022946.D Date Analyzed: 07/07/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:08
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	317038	13.347				
UPPER LIMIT	634076	13.847				
LOWER LIMIT	158519	12.847				
EPA SAMPLE NO.						
GPX1	230891	13.35				
VY0707SBL01	266428	13.35				
VY0707SBS01	286401	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VY022968.D Date Analyzed: 07/08/2025
 Instrument ID: MSVOA_Y Time Analyzed: 11:15
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	422213	7.71	699147	8.62	604420	11.41
UPPER LIMIT	844426	8.207	1398290	9.116	1208840	11.914
LOWER LIMIT	211107	7.207	349574	8.116	302210	10.914
EPA SAMPLE NO.						
GPX2	323213	7.71	600118	8.62	719431	11.41
GPX3	292899	7.71	553522	8.62	566452	11.41
VY0708SBL01	314896	7.71	593436	8.62	582188	11.41
VY0708SBS01	371442	7.71	616012	8.62	524718	11.41

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2480
 Lab File ID: VY022968.D Date Analyzed: 07/08/2025
 Instrument ID: MSVOA_Y Time Analyzed: 11:15
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	299896	13.347				
UPPER LIMIT	599792	13.847				
LOWER LIMIT	149948	12.847				
EPA SAMPLE NO.						
GPX2	367703	13.35				
GPX3	267602	13.34				
VY0708SBL01	250516	13.34				
VY0708SBS01	246530	13.34				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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



SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:	06/30/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX1		SDG No.:	Q2480	
Lab Sample ID:	Q2480-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	88.3	
Sample Wt/Vol:	8.26	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022966.D	1	07/07/25 17:32	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.78	U	0.78	3.40	ug/Kg
74-87-3	Chloromethane	0.78	U	0.78	3.40	ug/Kg
75-01-4	Vinyl Chloride	0.54	U	0.54	3.40	ug/Kg
74-83-9	Bromomethane	0.73	U	0.73	3.40	ug/Kg
75-00-3	Chloroethane	0.86	U	0.86	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.73	U	0.73	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.69	U	0.69	3.40	ug/Kg
67-64-1	Acetone	3.20	U	3.20	17.1	ug/Kg
75-15-0	Carbon Disulfide	0.73	U	0.73	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.50	3.40	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.40	ug/Kg
75-09-2	Methylene Chloride	3.80	JQ	2.40	6.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.59	U	0.59	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.55	U	0.55	3.40	ug/Kg
110-82-7	Cyclohexane	0.54	U	0.54	3.40	ug/Kg
78-93-3	2-Butanone	4.50	U	4.50	17.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.66	U	0.66	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	3.40	ug/Kg
74-97-5	Bromochloromethane	0.79	U	0.79	3.40	ug/Kg
67-66-3	Chloroform	0.58	U	0.58	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.64	U	0.64	3.40	ug/Kg
108-87-2	Methylcyclohexane	0.62	U	0.62	3.40	ug/Kg
71-43-2	Benzene	0.54	U	0.54	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.54	U	0.54	3.40	ug/Kg
79-01-6	Trichloroethene	0.56	U	0.56	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.62	U	0.62	3.40	ug/Kg
75-27-4	Bromodichloromethane	0.53	U	0.53	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.50	U	2.50	17.1	ug/Kg
108-88-3	Toluene	0.53	U	0.53	3.40	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	06/30/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX1	SDG No.:	Q2480
Lab Sample ID:	Q2480-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.3
Sample Wt/Vol:	8.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022966.D	1	07/07/25 17:32	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.43	U	0.43	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.63	U	0.63	3.40	ug/Kg
591-78-6	2-Hexanone	2.50	U	2.50	17.1	ug/Kg
124-48-1	Dibromochloromethane	0.60	U	0.60	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.60	U	0.60	3.40	ug/Kg
127-18-4	Tetrachloroethene	0.72	U	0.72	3.40	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	3.40	ug/Kg
100-41-4	Ethyl Benzene	0.46	U	0.46	3.40	ug/Kg
179601-23-1	m/p-Xylenes	0.85	U	0.85	6.90	ug/Kg
95-47-6	o-Xylene	0.56	U	0.56	3.40	ug/Kg
100-42-5	Styrene	0.49	U	0.49	3.40	ug/Kg
75-25-2	Bromoform	0.59	U	0.59	3.40	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	0.53	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.83	U	0.83	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.20	U	1.20	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.99	U	0.99	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.00	U	2.00	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.20	U	2.20	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	52.3		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		17 - 146	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	283000	7.707			
540-36-3	1,4-Difluorobenzene	548000	8.616			
3114-55-4	Chlorobenzene-d5	553000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	231000	13.346			

Report of Analysis

Client:	G Environmental	Date Collected:	06/30/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX1	SDG No.:	Q2480
Lab Sample ID:	Q2480-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.3
Sample Wt/Vol:	8.26	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022966.D	1	07/07/25 17:32	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022966.D
 Acq On : 07 Jul 2025 17:32
 Operator : SY/MD
 Sample : Q2480-01
 Misc : 8.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX1

Quant Time: Jul 08 01:50:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

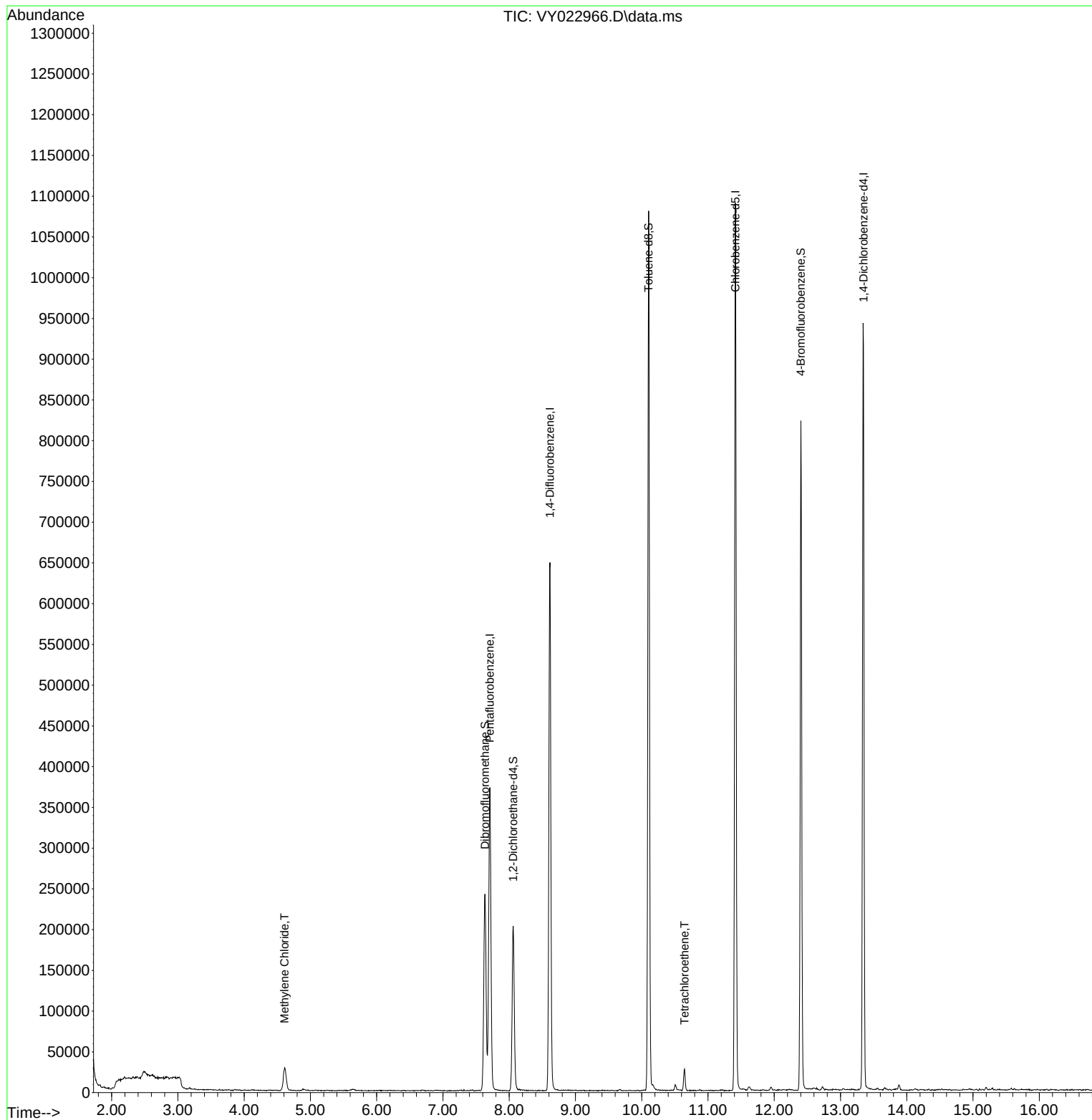
Internal Standards						
1) Pentafluorobenzene	7.707	168	283156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	548345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	230891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161054	50.961	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.920%	
35) Dibromofluoromethane	7.634	113	173156	51.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.840%	
50) Toluene-d8	10.103	98	691713	52.272	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.540%	
62) 4-Bromofluorobenzene	12.401	95	236638	55.628	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.260%	
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	20787	5.511	ug/l	99
64) Tetrachloroethene	10.646	164	5353	1.024	ug/l	94

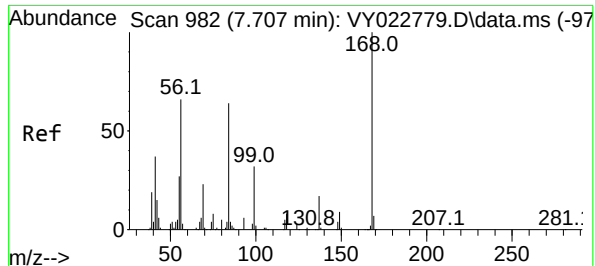
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022966.D
Acq On : 07 Jul 2025 17:32
Operator : SY/MD
Sample : Q2480-01
Misc : 8.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX1

Quant Time: Jul 08 01:50:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

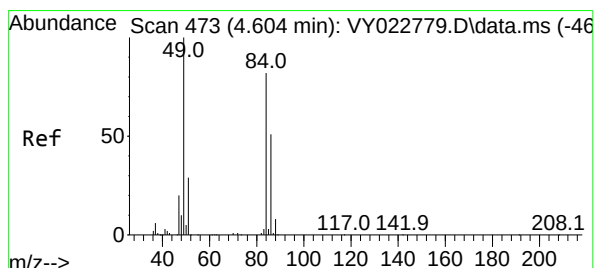
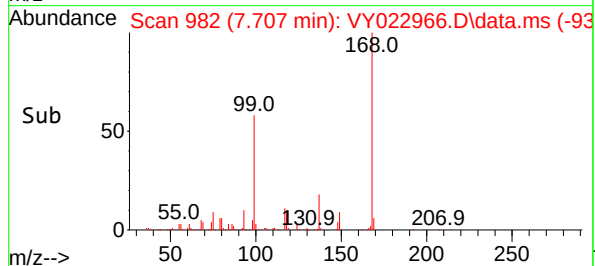
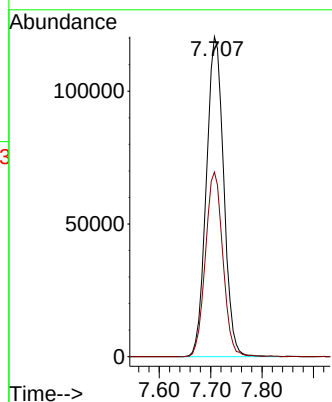
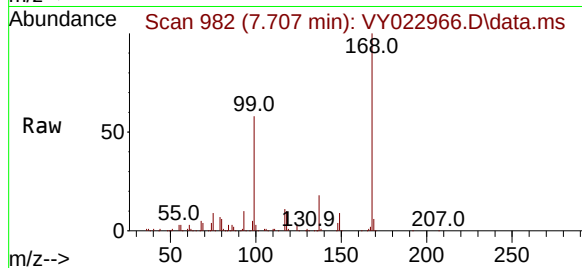




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

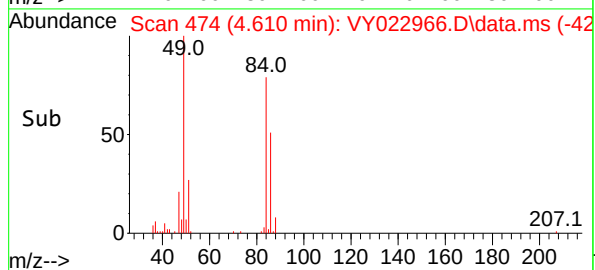
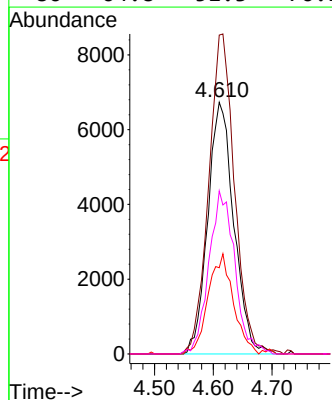
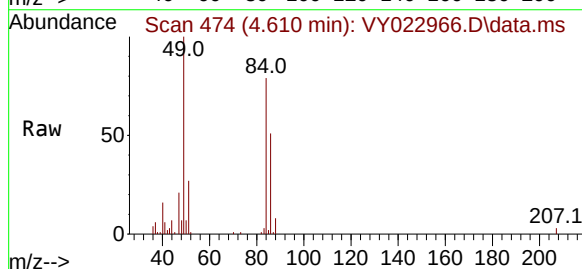
Instrument :
MSVOA_Y
ClientSampleId :
GPX1

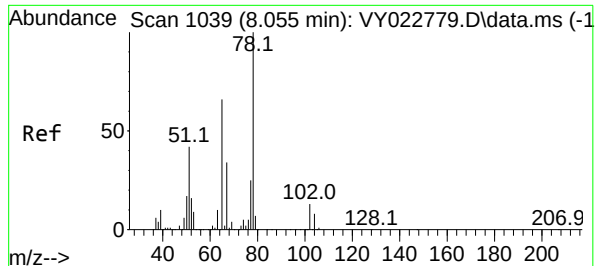
Tgt Ion:168 Resp: 283156
Ion Ratio Lower Upper
168 100
99 57.7 44.3 66.5



#20
Methylene Chloride
Concen: 5.511 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion: 84 Resp: 20787
Ion Ratio Lower Upper
84 100
49 126.7 101.9 152.9
51 34.3 29.8 44.8
86 64.8 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 50.961 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022966.D

Acq: 07 Jul 2025 17:32

Instrument :

MSVOA_Y

ClientSampleId :

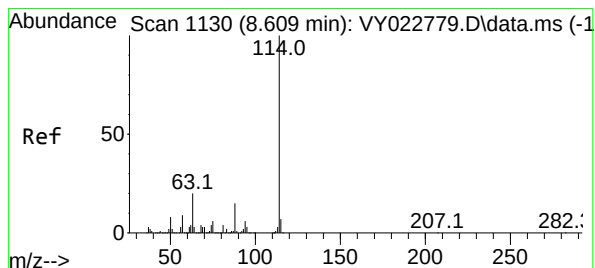
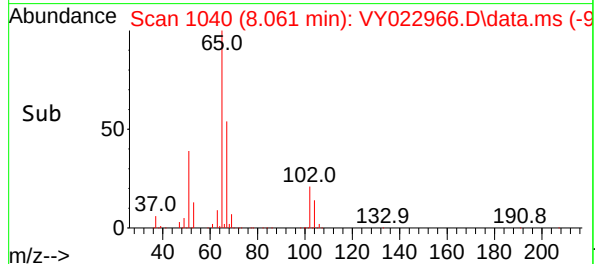
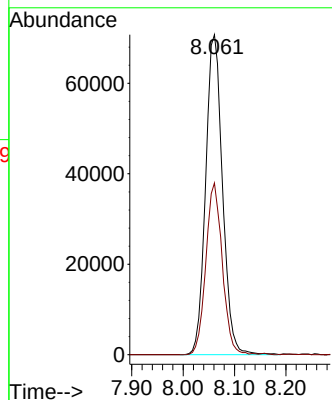
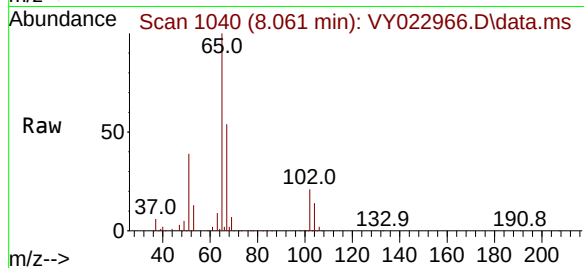
GPX1

Tgt Ion: 65 Resp: 161054

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022966.D

Acq: 07 Jul 2025 17:32

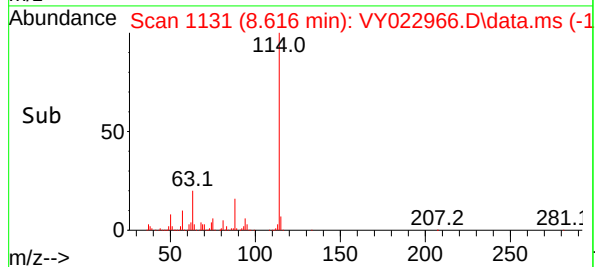
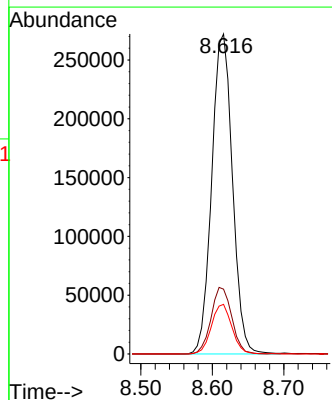
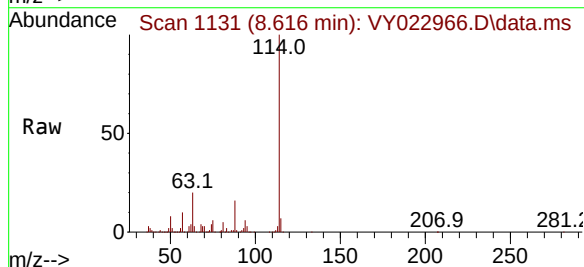
Tgt Ion:114 Resp: 548345

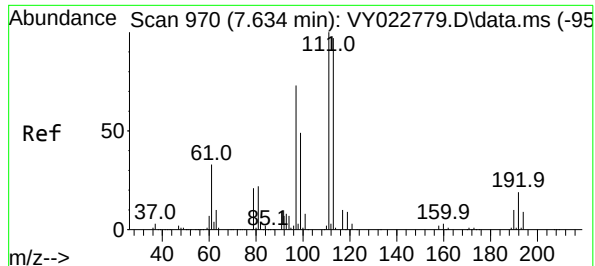
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.5 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.924 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022966.D

Acq: 07 Jul 2025 17:32

Instrument :

MSVOA_Y

ClientSampleId :

GPX1

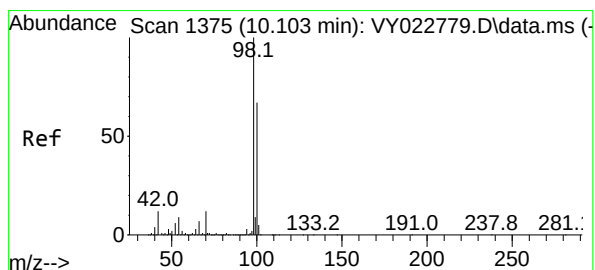
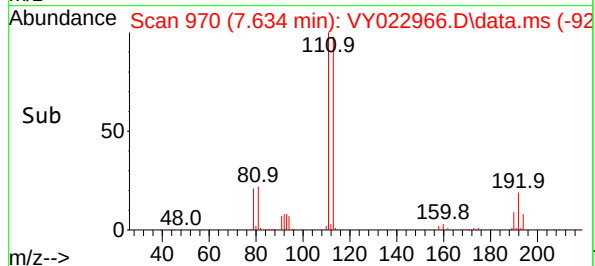
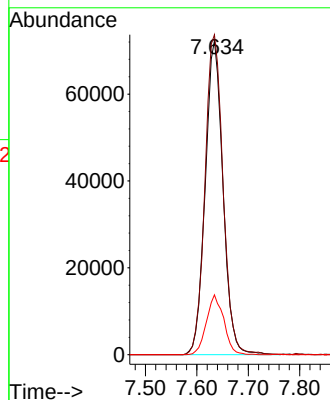
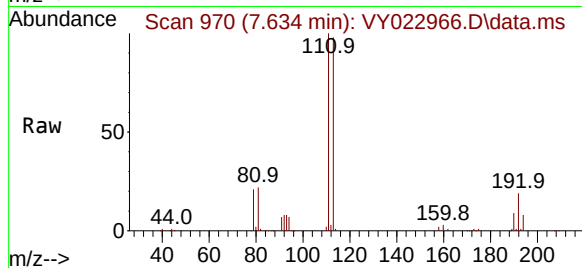
Tgt Ion:113 Resp: 173156

Ion Ratio Lower Upper

113 100

111 103.9 81.1 121.7

192 18.7 14.2 21.2



#50

Toluene-d8

Concen: 52.272 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022966.D

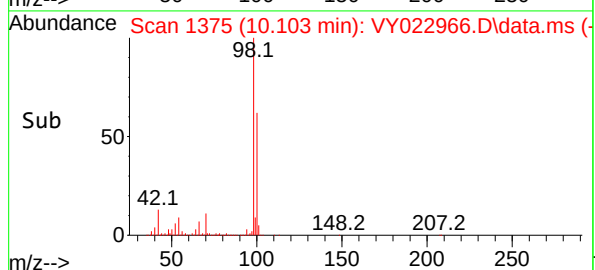
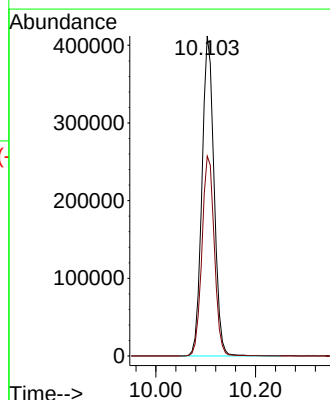
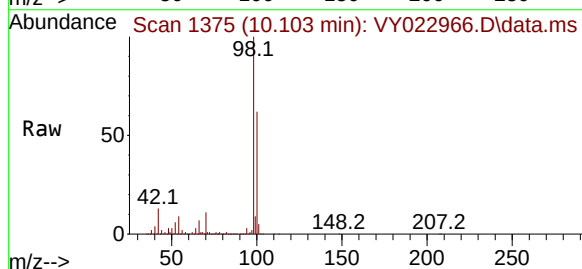
Acq: 07 Jul 2025 17:32

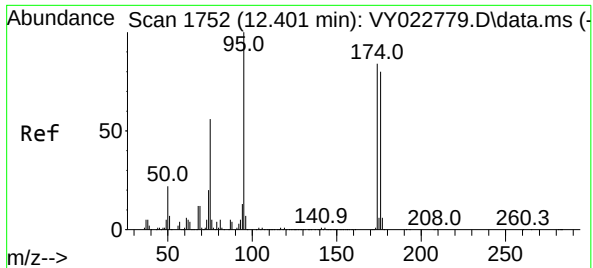
Tgt Ion: 98 Resp: 691713

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0

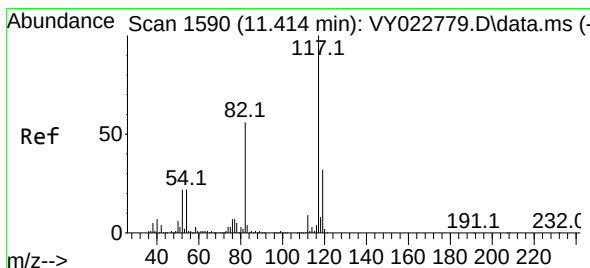
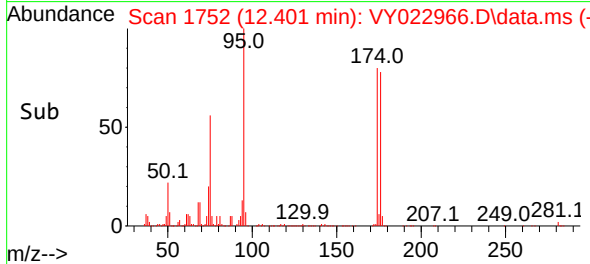
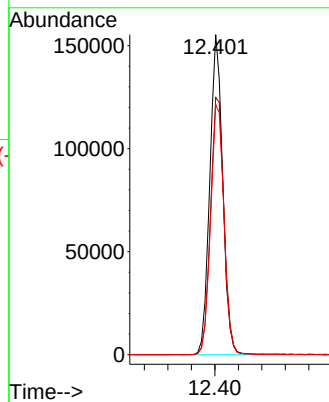
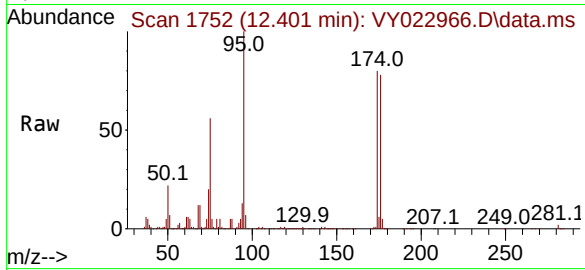




#62
4-Bromofluorobenzene
Concen: 55.628 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

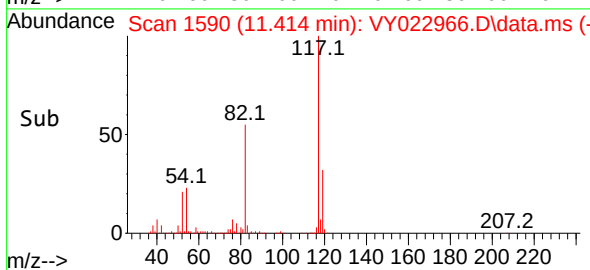
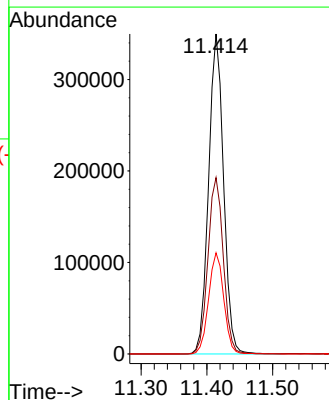
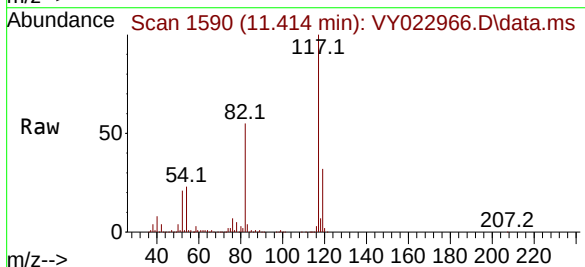
Instrument :
MSVOA_Y
ClientSampleId :
GPX1

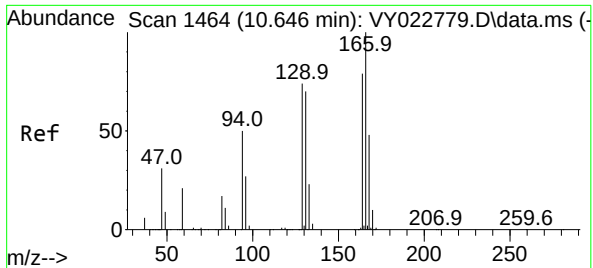
Tgt Ion: 95 Resp: 236638
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.0
176 80.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion: 117 Resp: 553452
Ion Ratio Lower Upper
117 100
82 55.1 44.6 66.8
119 31.6 25.4 38.0



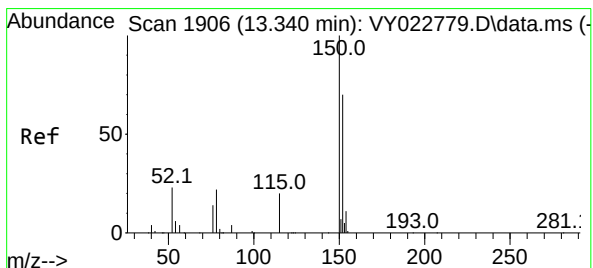
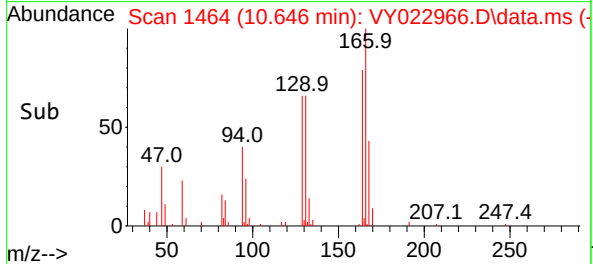
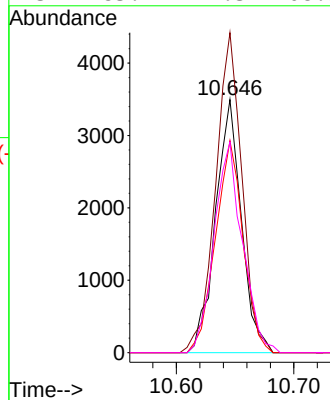
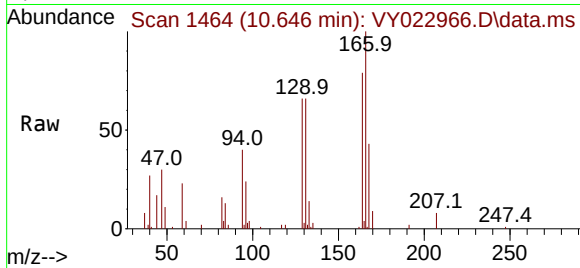


#64
Tetrachloroethene
Concen: 1.024 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Instrument :
MSVOA_Y
ClientSampleId :
GPX1

Tgt Ion:164 Resp: 5353

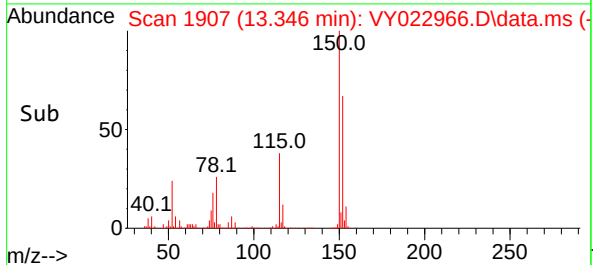
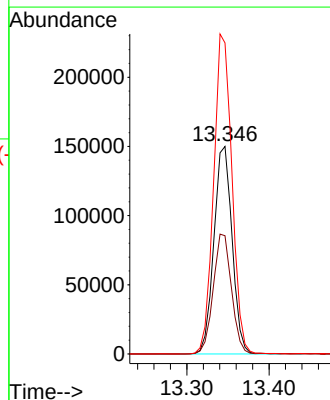
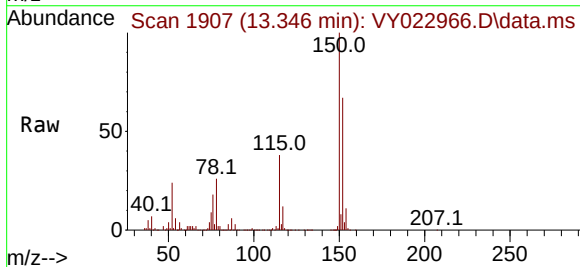
Ion	Ratio	Lower	Upper
164	100		
166	126.4	104.0	156.0
129	83.8	74.5	111.7
131	83.2	72.3	108.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion:152 Resp: 230891

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.9	86.7
150	154.6	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022966.D
Acq On : 07 Jul 2025 17:32
Operator : SY/MD
Sample : Q2480-01
Misc : 8.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022966.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	463	474	485	rBV2	28477	90981	4.93%	0.933%
2	7.634	958	970	976	rBV	241450	591652	32.08%	6.066%
3	7.707	976	982	995	rVB	371161	863930	46.84%	8.857%
4	8.061	1031	1040	1053	rBV	202003	460518	24.97%	4.721%
5	8.616	1121	1131	1144	rBV	648199	1312283	71.14%	13.453%
6	10.103	1368	1375	1384	rBV	1078926	1844529	100.00%	18.910%
7	10.646	1457	1464	1471	rBV2	26295	45815	2.48%	0.470%
8	11.414	1582	1590	1604	rBV	1088910	1759460	95.39%	18.038%
9	12.401	1744	1752	1767	rBV	821556	1310839	71.07%	13.439%
10	13.340	1895	1906	1921	rBV	941263	1474332	79.93%	15.115%

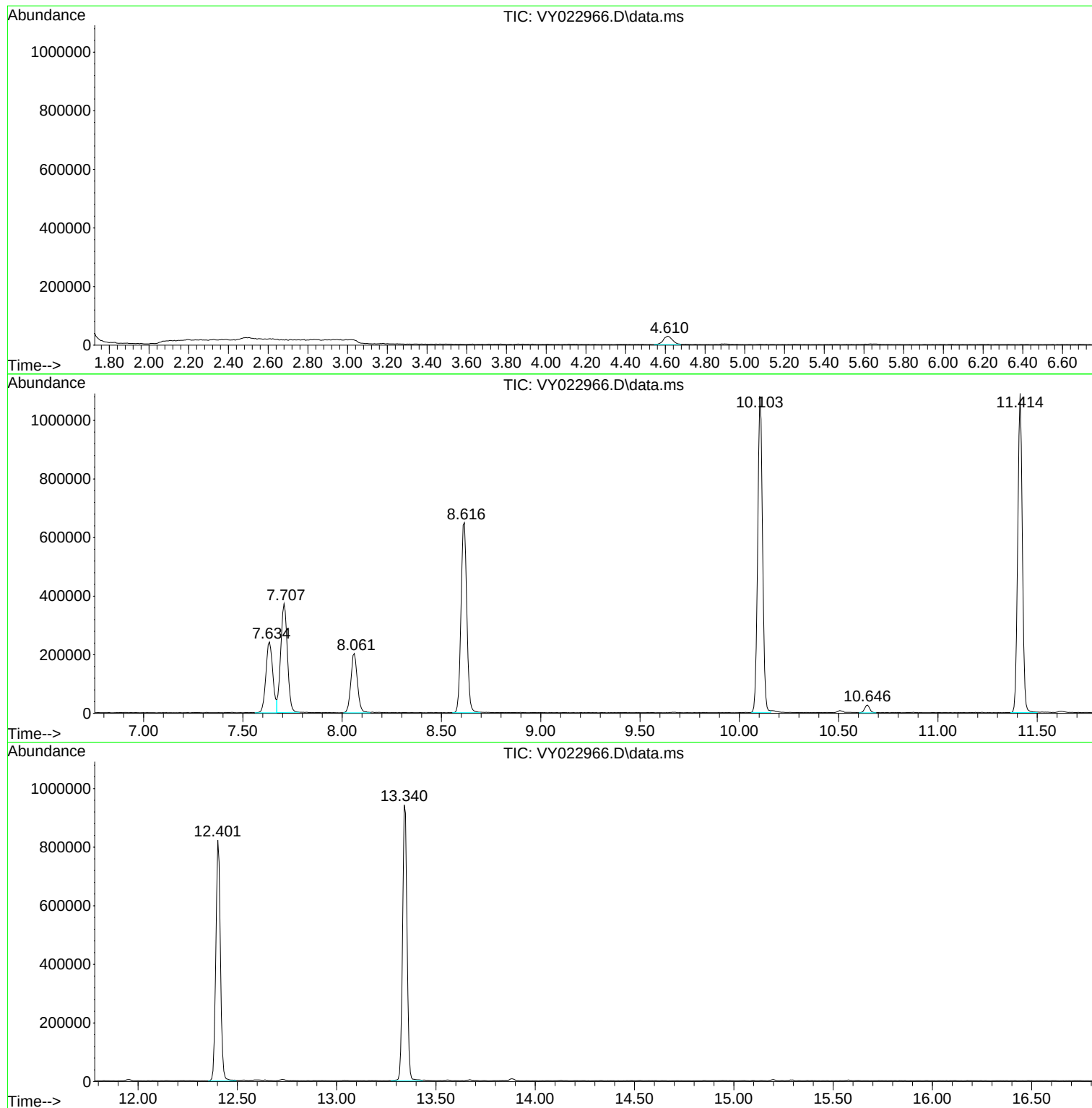
Sum of corrected areas: 9754339

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022966.D
Acq On : 07 Jul 2025 17:32
Operator : SY/MD
Sample : Q2480-01
Misc : 8.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022966.D
Acq On : 07 Jul 2025 17:32
Operator : SY/MD
Sample : Q2480-01
Misc : 8.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022966.D
Acq On : 07 Jul 2025 17:32
Operator : SY/MD
Sample : Q2480-01
Misc : 8.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	G Environmental		Date Collected:	06/30/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX2		SDG No.:	Q2480	
Lab Sample ID:	Q2480-02		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	89.3	
Sample Wt/Vol:	6.18	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022983.D	1	07/08/25 18:10	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.50	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.50	ug/Kg
74-83-9	Bromomethane	0.97	U	0.97	4.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.50	ug/Kg
67-64-1	Acetone	4.30	U	4.30	22.7	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.50	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.50	ug/Kg
75-09-2	Methylene Chloride	10.3	Q	3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
110-82-7	Cyclohexane	230	E	0.72	4.50	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	22.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.50	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.50	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.84	U	0.84	4.50	ug/Kg
108-87-2	Methylcyclohexane	780	E	0.82	4.50	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.82	U	0.82	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	22.7	ug/Kg
108-88-3	Toluene	0.71	U	0.71	4.50	ug/Kg

Report of Analysis

Client:	G Environmental			Date Collected:	06/30/25	
Project:	Lexington			Date Received:	07/01/25	
Client Sample ID:	GPX2			SDG No.:	Q2480	
Lab Sample ID:	Q2480-02			Matrix:	SOIL	
Analytical Method:	8260D			% Solid:	89.3	
Sample Wt/Vol:	6.18	Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022983.D	1	07/08/25 18:10	VY070825

[illegible]



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	06/30/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX2	SDG No.:	Q2480
Lab Sample ID:	Q2480-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.3
Sample Wt/Vol:	6.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022983.D	1	07/08/25 18:10	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
002532-58-3	Cyclopentane, 1,3-dimethyl-, cis-	44.8	J		8.20	ug/Kg
000142-82-5	Heptane	65.4	J		8.47	ug/Kg
000592-27-8	Heptane, 2-methyl-	56.7	J		9.75	ug/Kg
000589-81-1	Heptane, 3-methyl-	84.3	J		9.88	ug/Kg
000111-65-9	Octane	210	J		10.3	ug/Kg
006876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	69.2	J		10.4	ug/Kg
002207-03-6	Cyclohexane, 1,3-dimethyl-, trans-	100	J		10.5	ug/Kg
003221-61-2	Octane, 2-methyl-	50.8	J		10.7	ug/Kg
002216-30-0	Heptane, 2,5-dimethyl-	47.3	J		10.8	ug/Kg
001678-91-7	Cyclohexane, ethyl-	110	J		11.0	ug/Kg
001839-63-0	Cyclohexane, 1,3,5-trimethyl-	100	J		11.0	ug/Kg
001670-46-8	2-Acetylcyclopentanone	160	J		11.2	ug/Kg
002216-33-3	Octane, 3-methyl-	90.7	J		11.3	ug/Kg
013152-05-1	Cyclooctene, 3-methyl-	82.0	J		12.1	ug/Kg
001678-92-8	Cyclohexane, propyl-	55.0	J		12.2	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	490	J		12.7	ug/Kg
98-06-6	tert-Butylbenzene	4.40	J		13.0	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	53.5	J		13.0	ug/Kg
135-98-8	sec-Butylbenzene	16.7	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	51.8	J		13.3	ug/Kg
104-51-8	n-Butylbenzene	4.40	J		13.6	ug/Kg
91-20-3	Naphthalene	110	J		15.1	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022983.D
 Acq On : 08 Jul 2025 18:10
 Operator : SY/MD
 Sample : Q2480-02
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
 Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:35:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	323213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	600118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	719431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	367703	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167323	46.383	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.760%		
35) Dibromofluoromethane	7.634	113	168156	46.075	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.140%		
50) Toluene-d8	10.103	98	1179385	81.437	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	162.880%#		
62) 4-Bromofluorobenzene	12.401	95	525027	112.774	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	225.540%#		
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	48845	11.344	ug/l	91
31) Cyclohexane	7.695	56	1584339	255.698	ug/l	87
39) Methylcyclohexane	9.109	83	6139551	857.613	ug/l	98
64) Tetrachloroethene	10.646	164	34369	5.057	ug/l	92
67) Ethyl Benzene	11.517	91	318436	11.465	ug/l	99
68) m/p-Xylenes	11.627	106	479709	44.679	ug/l	97
69) o-Xylene	11.950	106	1092078	107.948	ug/l	99
73) Isopropylbenzene	12.249	105	726967	26.733	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	11901976	542.162	ug/l	90
83) tert-Butylbenzene	12.993	119	94793	4.896	ug/l	85
84) 1,2,4-Trimethylbenzene	13.042	105	1297150	59.018	ug/l	99
85) sec-Butylbenzene	13.170	105	536468	18.417	ug/l	# 64
86) p-Isopropyltoluene	13.285	119	1384778	57.126	ug/l	98
89) n-Butylbenzene	13.608	91	110683m	4.854	ug/l	
95) Naphthalene	15.139	128	1357945	121.913	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

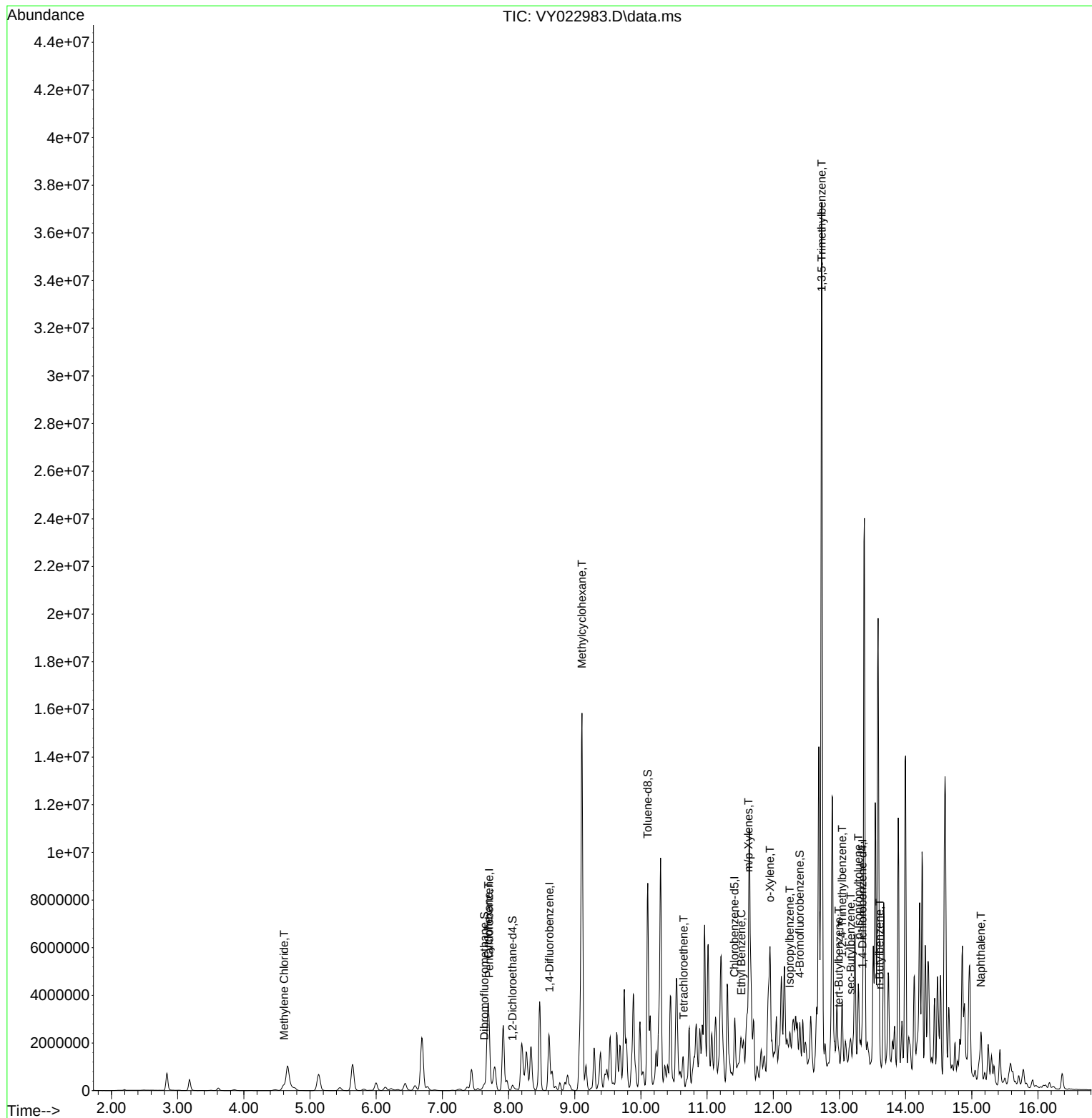
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

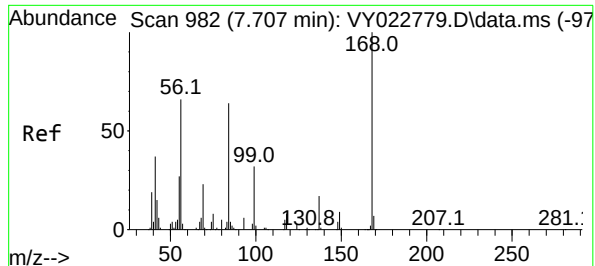
Instrument :
MSVOA_Y
ClientSampleId :
GPX2

Manual Integrations
APPROVED

Reviewed By : Mahesh Dadoda 07/09/2025
Supervised By : Semsettin Yesilyurt 07/09/2025

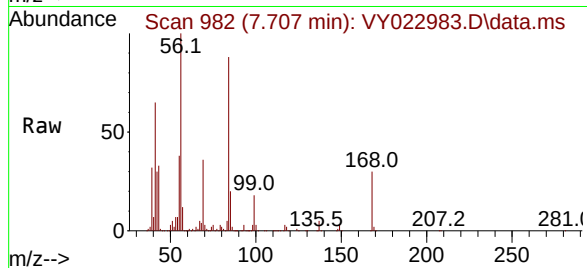
Quant Time: Jul 09 02:35:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

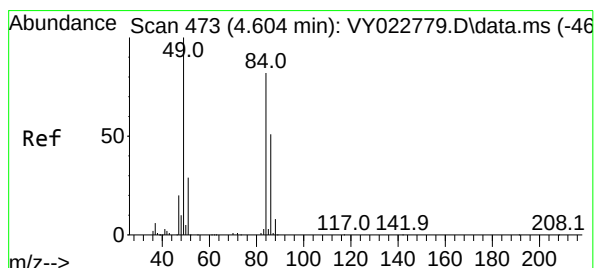
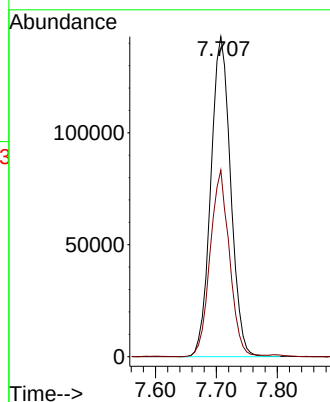
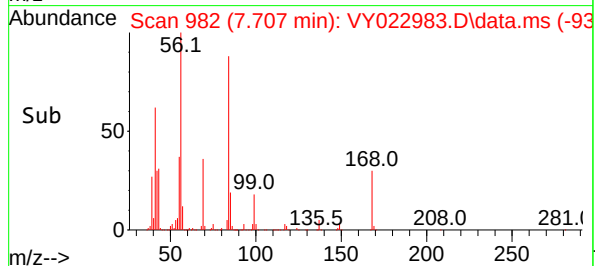
Instrument :
MSVOA_Y
ClientSampleId :
GPX2



Tgt Ion:168 Resp: 32321
Ion Ratio Lower Upper
168 100
99 58.3 44.3 66.5

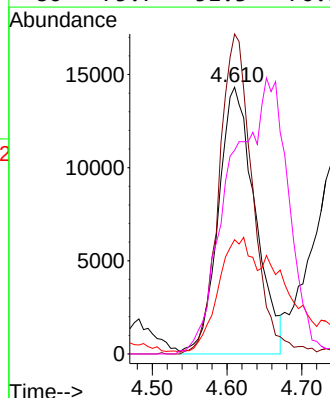
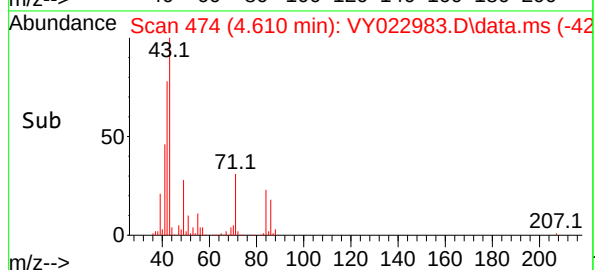
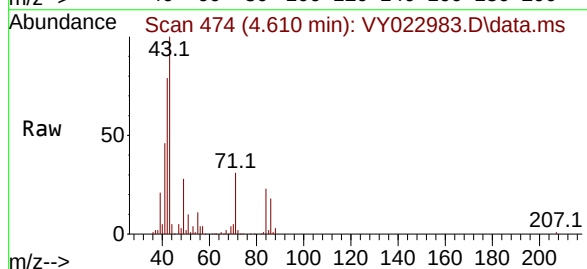
Manual Integrations
APPROVED

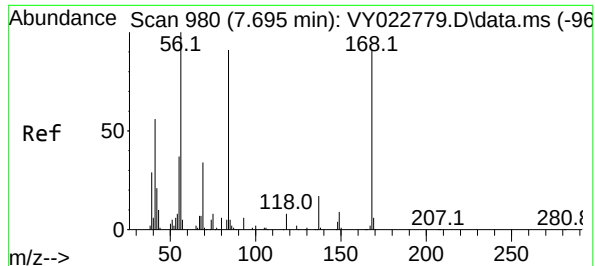
Reviewed By :Mahesh Dadoda 07/09/2025
Supervised By :Semsettin Yesilyurt 07/09/2025



#20
Methylene Chloride
Concen: 11.344 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

Tgt Ion: 84 Resp: 48845
Ion Ratio Lower Upper
84 100
49 121.0 101.9 152.9
51 42.5 29.8 44.8
86 75.7 51.3 76.9





#31

Cyclohexane

Concen: 255.698 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY022983.D

Acq: 08 Jul 2025 18:10

Instrument :

MSVOA_Y

ClientSampleId :

GPX2

Tgt Ion: 56 Resp: 1584339

Ion Ratio Lower Upper

56 100

69 27.1 27.0 40.6

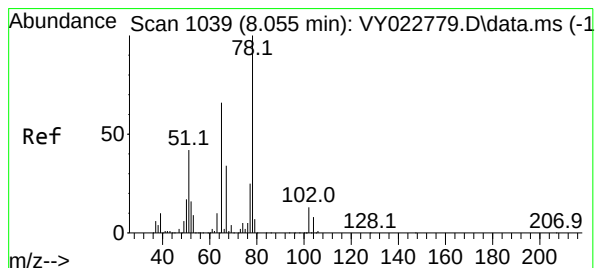
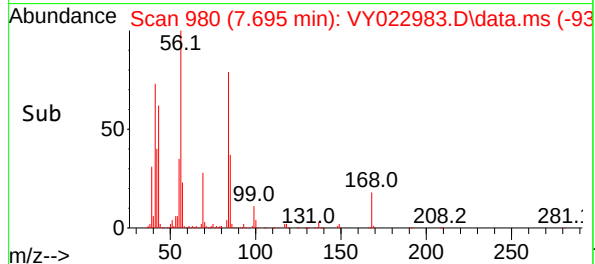
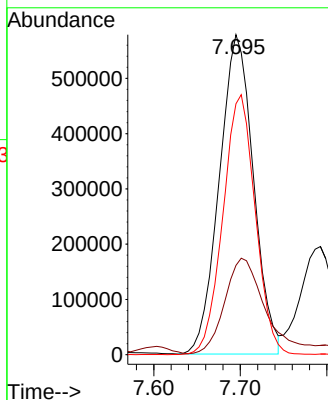
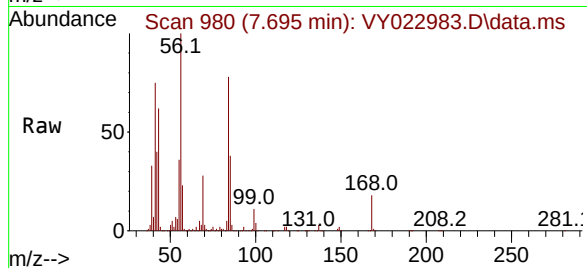
84 78.5 72.6 109.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025

Supervised By :Semsettin Yesilyurt 07/09/2025



#33

1,2-Dichloroethane-d4

Concen: 46.383 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022983.D

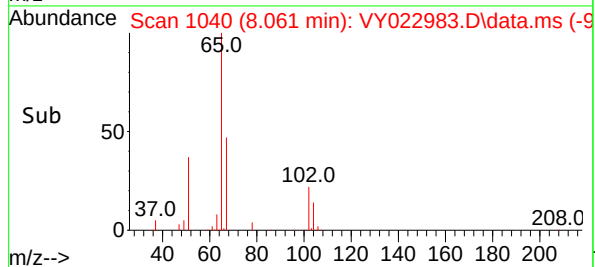
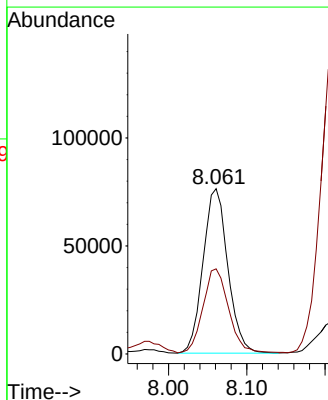
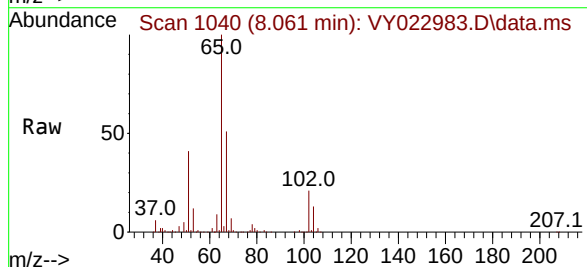
Acq: 08 Jul 2025 18:10

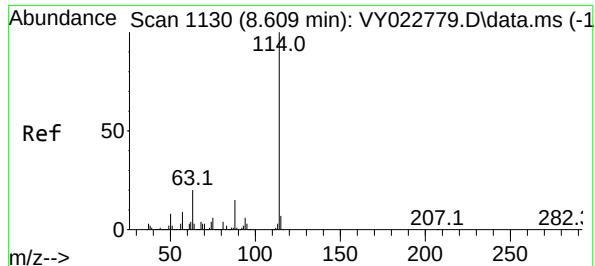
Tgt Ion: 65 Resp: 167323

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY022983.D

Acq: 08 Jul 2025 18:10

Instrument :

MSVOA_Y

ClientSampleId :

GPX2

Tgt Ion:114 Resp: 600118

Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.8

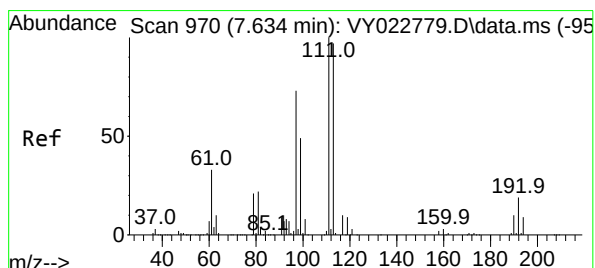
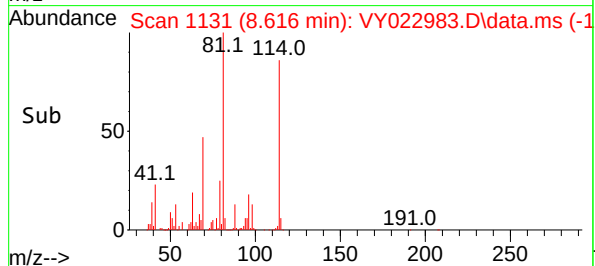
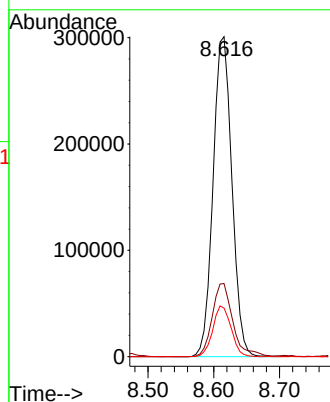
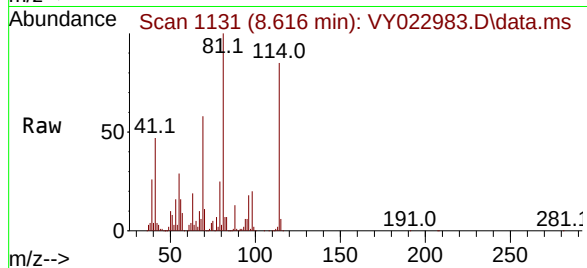
88 15.2 0.0 27.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025

Supervised By :Semsettin Yesilyurt 07/09/2025



#35

Dibromofluoromethane

Concen: 46.075 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022983.D

Acq: 08 Jul 2025 18:10

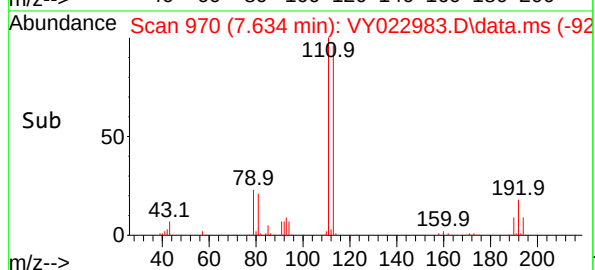
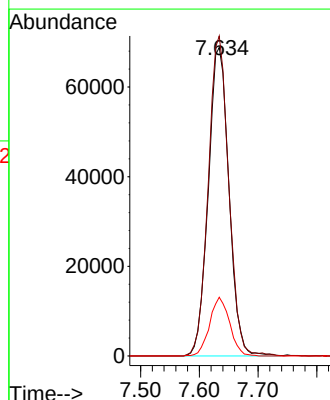
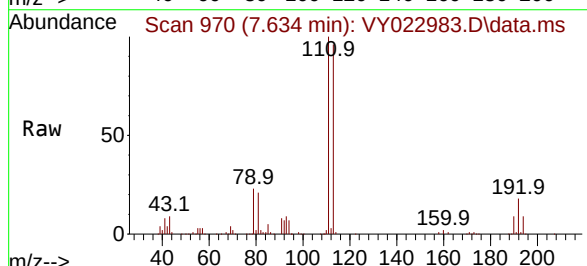
Tgt Ion:113 Resp: 168156

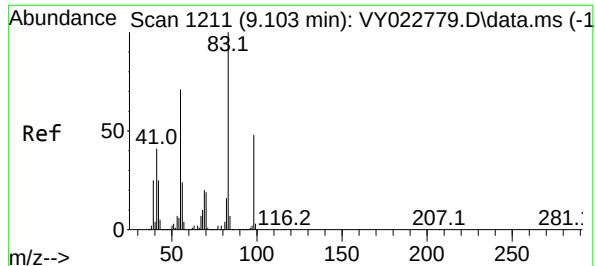
Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

192 18.4 14.2 21.2





#39

Methylcyclohexane

Concen: 857.613 ug/l

RT: 9.109 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VY022983.D

Acq: 08 Jul 2025 18:10

Instrument :

MSVOA_Y

ClientSampleId :

GPX2

Tgt Ion: 83 Resp: 613955

Ion Ratio Lower Upper

83 100

55 74.3 58.1 87.1

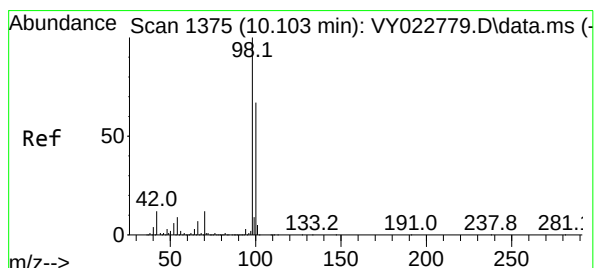
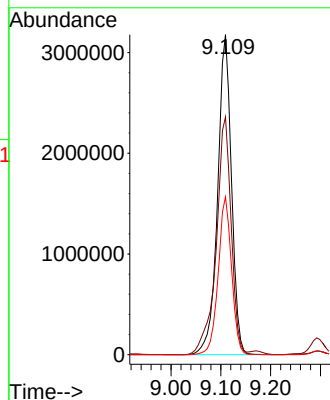
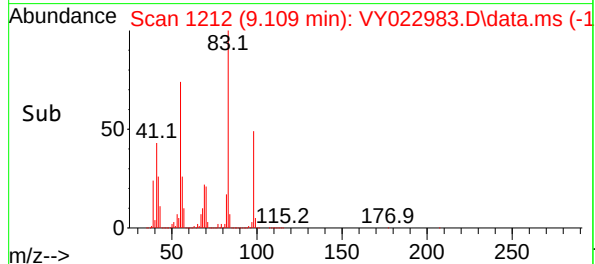
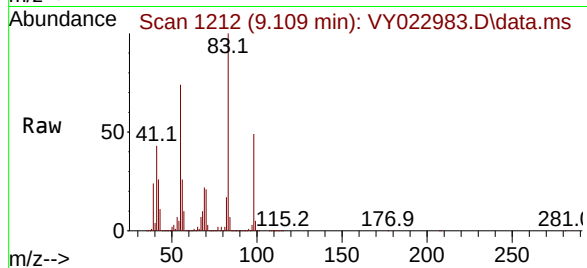
98 49.3 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025

Supervised By :Semsettin Yesilyurt 07/09/2025



#50

Toluene-d8

Concen: 81.437 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022983.D

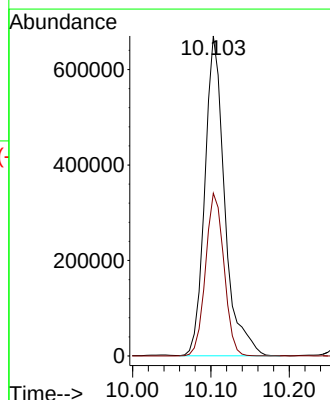
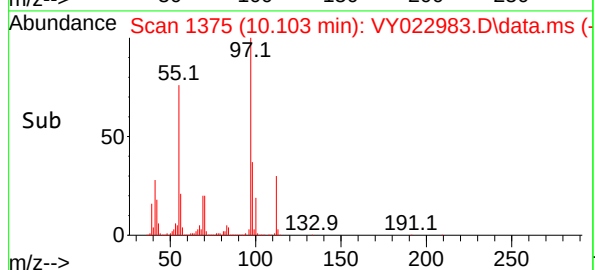
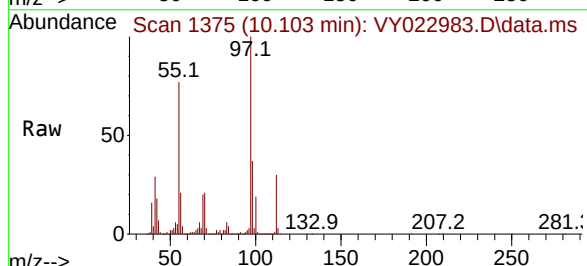
Acq: 08 Jul 2025 18:10

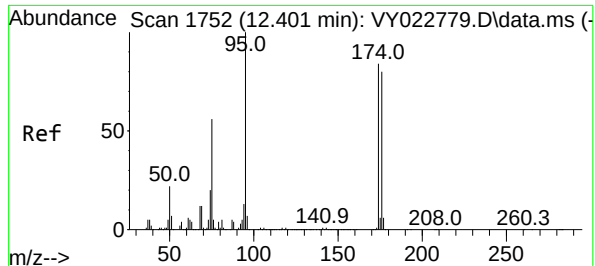
Tgt Ion: 98 Resp: 1179385

Ion Ratio Lower Upper

98 100

100 47.1 51.4 77.0#





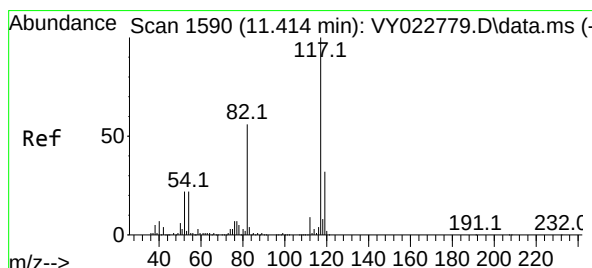
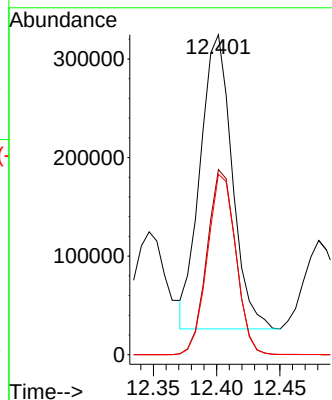
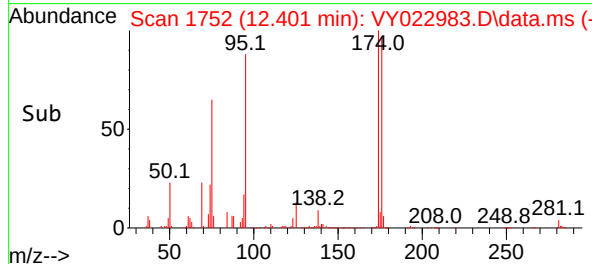
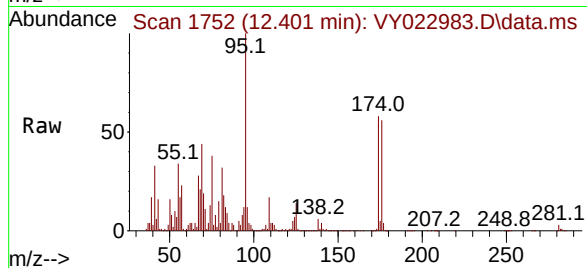
#62
4-Bromofluorobenzene
Concen: 112.774 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

Tgt Ion: 95 Resp: 52502
Ion Ratio Lower Upper
95 100
174 56.5 0.0 170.0
176 54.8 0.0 166.2

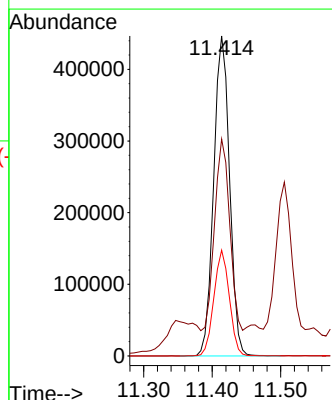
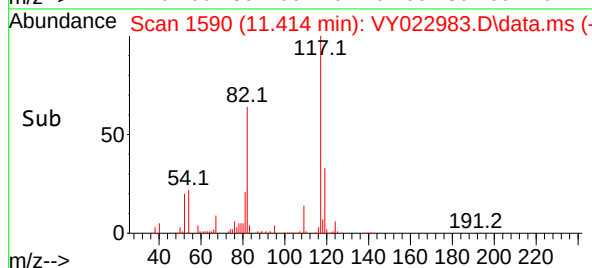
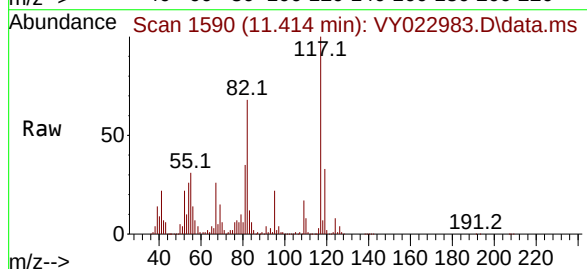
Manual Integrations
APPROVED

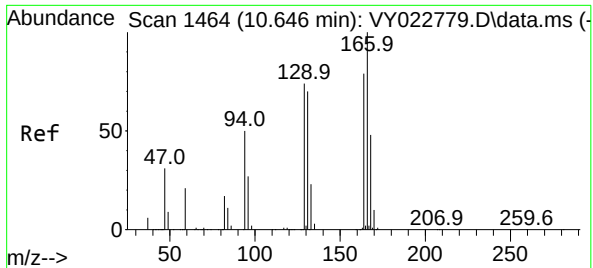
Reviewed By :Mahesh Dadoda 07/09/2025
Supervised By :Semsettin Yesilyurt 07/09/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

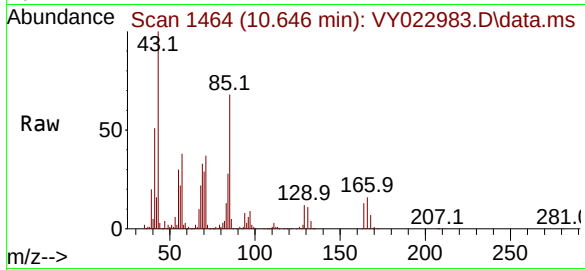
Tgt Ion:117 Resp: 719431
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 33.0 25.4 38.0





#64
Tetrachloroethene
Concen: 5.057 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

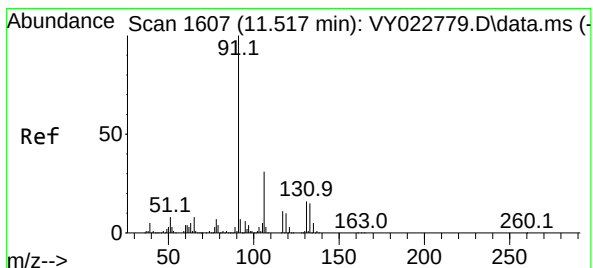
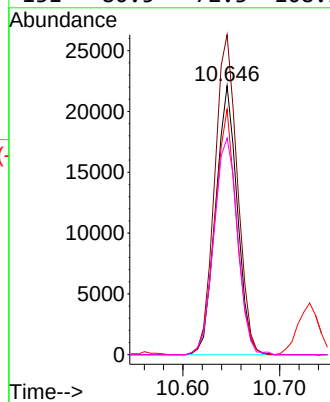
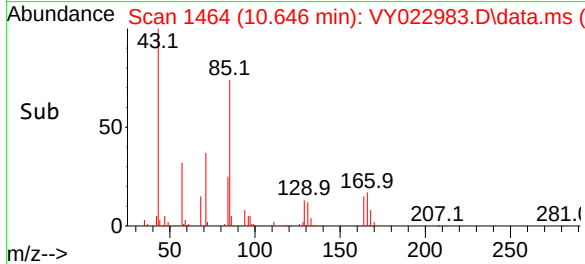
Instrument :
MSVOA_Y
ClientSampleId :
GPX2



Tgt Ion:164 Resp: 34369
Ion Ratio Lower Upper
164 100
166 118.9 104.0 156.0
129 91.2 74.5 111.7
131 80.5 72.3 108.5

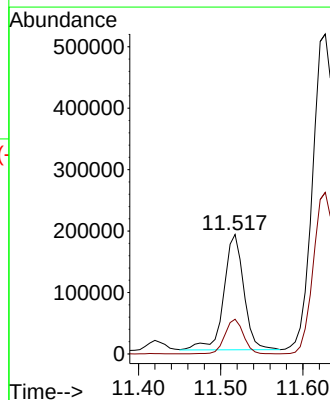
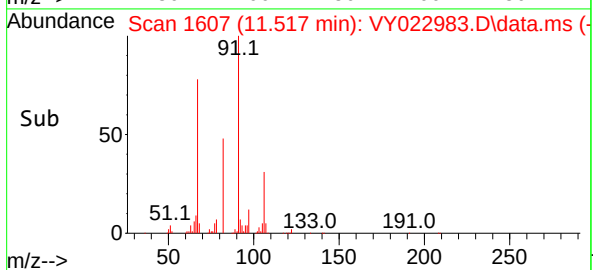
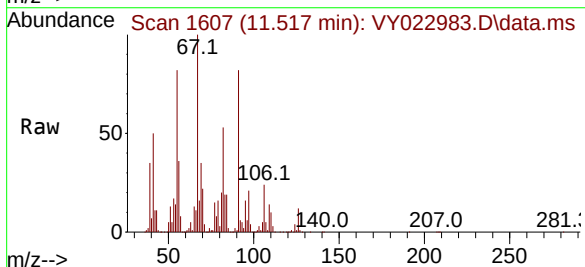
Manual Integrations
APPROVED

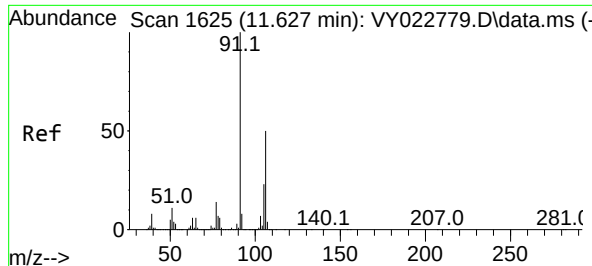
Reviewed By :Mahesh Dadoda 07/09/2025
Supervised By :Semsettin Yesilyurt 07/09/2025



#67
Ethyl Benzene
Concen: 11.465 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

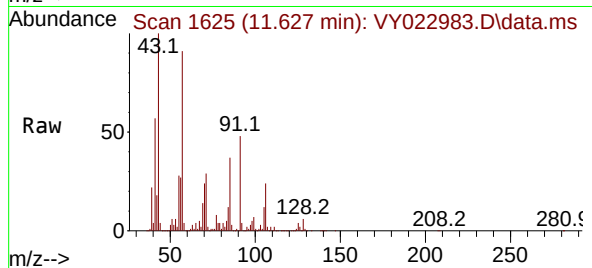
Tgt Ion: 91 Resp: 318436
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.4





#68
m/p-Xylenes
Concen: 44.679 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

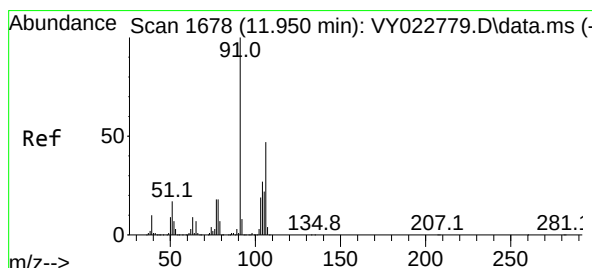
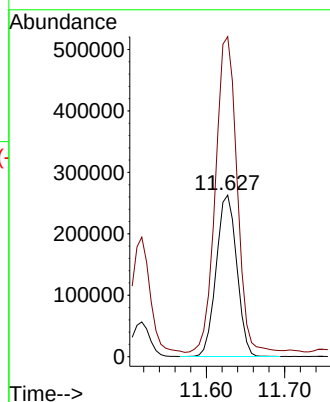
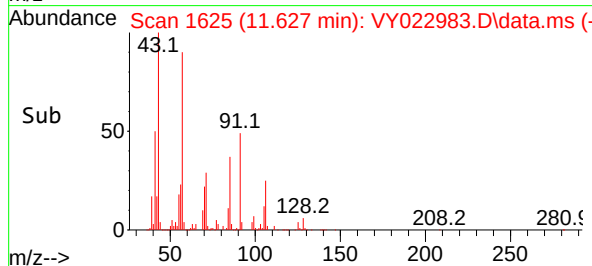
Instrument :
MSVOA_Y
ClientSampleId :
GPX2



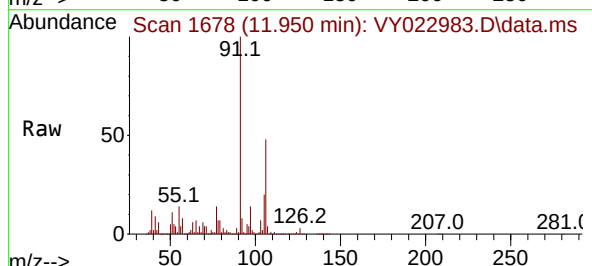
Tgt Ion:106 Resp: 479709
Ion Ratio Lower Upper
106 100
91 204.3 159.4 239.0

Manual Integrations
APPROVED

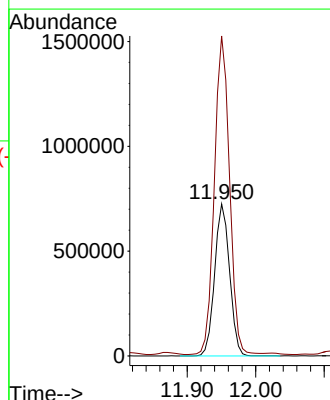
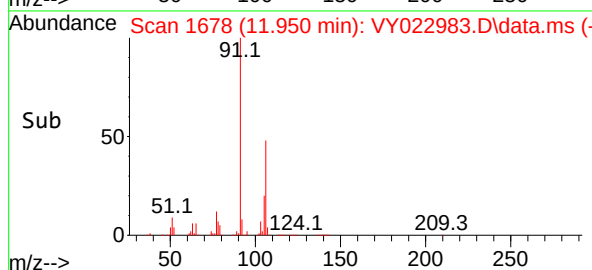
Reviewed By :Mahesh Dadoda 07/09/2025
Supervised By :Semsettin Yesilyurt 07/09/2025

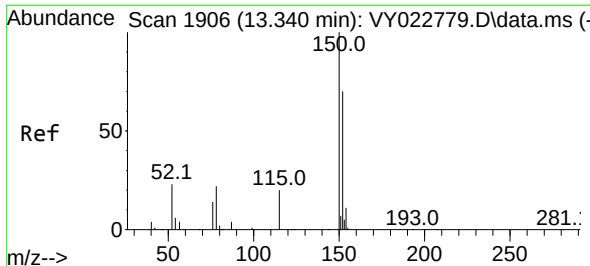


#69
o-Xylene
Concen: 107.948 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10



Tgt Ion:106 Resp: 1092078
Ion Ratio Lower Upper
106 100
91 212.9 105.8 317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022983.D

Acq: 08 Jul 2025 18:10

Instrument :

MSVOA_Y

ClientSampleId :

GPX2

Tgt Ion:152 Resp: 367700

Ion Ratio Lower Upper

152 100

115 0.0 28.9 86.7

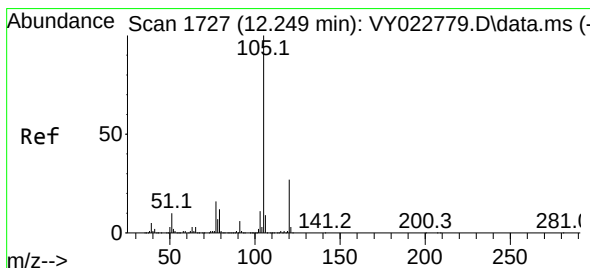
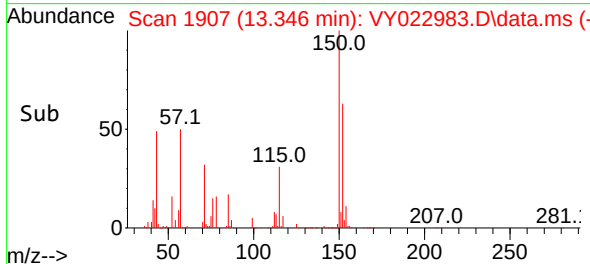
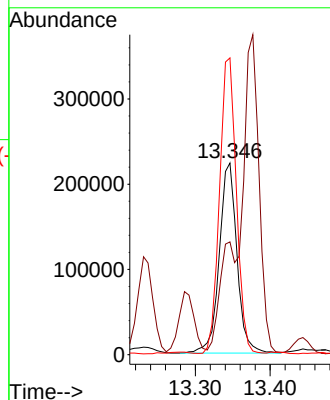
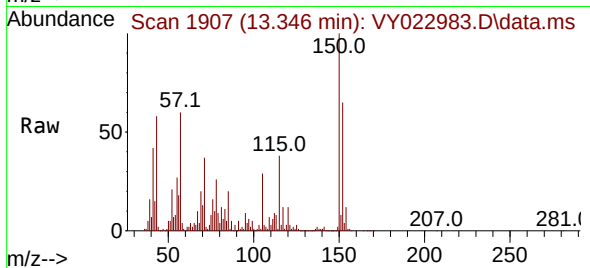
150 147.8 0.0 349.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025

Supervised By :Semsettin Yesilyurt 07/09/2025



#73

Isopropylbenzene

Concen: 26.733 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY022983.D

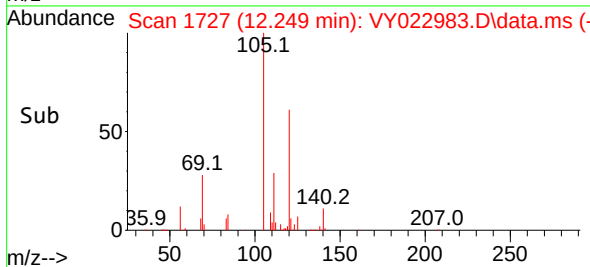
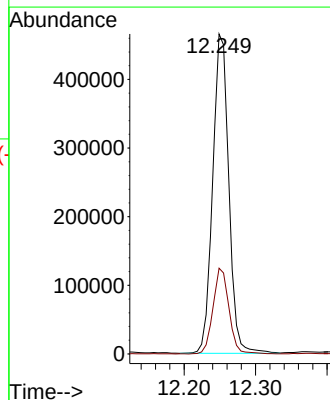
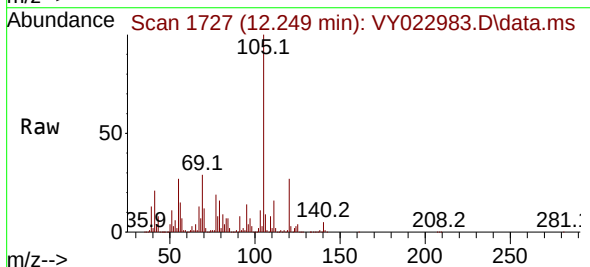
Acq: 08 Jul 2025 18:10

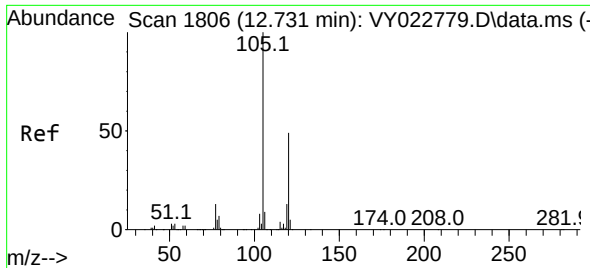
Tgt Ion:105 Resp: 726967

Ion Ratio Lower Upper

105 100

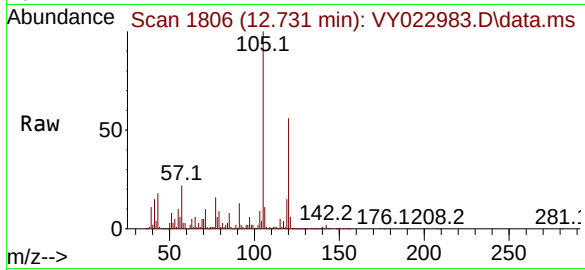
120 26.6 13.0 38.9





#80
1,3,5-Trimethylbenzene
Concen: 542.162 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

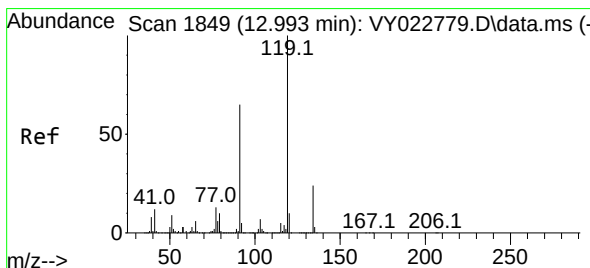
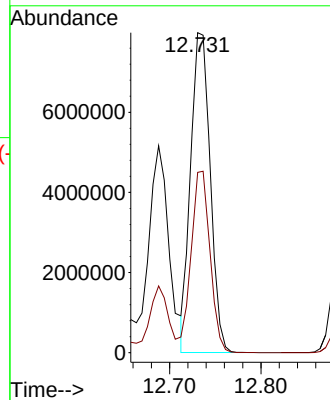
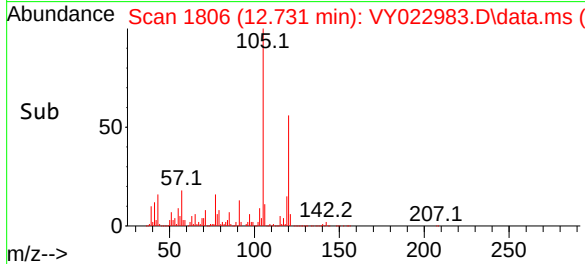
Instrument :
MSVOA_Y
ClientSampleId :
GPX2



Tgt Ion:105 Resp:11901970
Ion Ratio Lower Upper
105 100
120 55.4 24.1 72.4

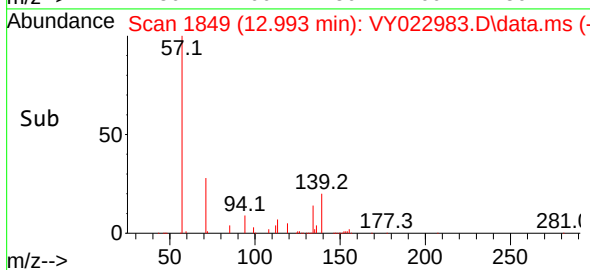
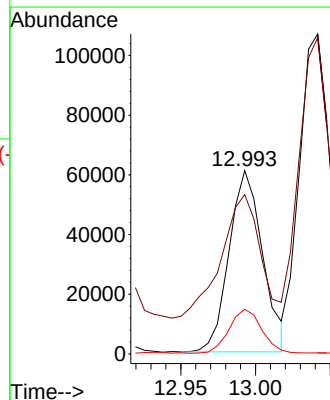
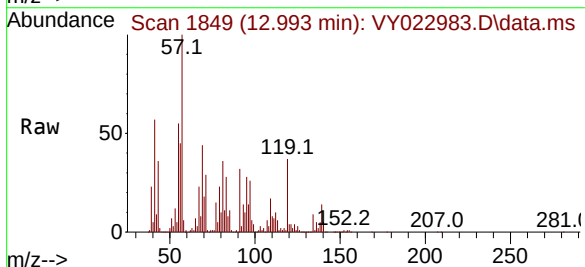
Manual Integrations
APPROVED

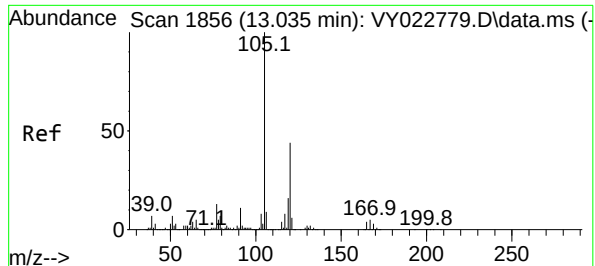
Reviewed By :Mahesh Dadoda 07/09/2025
Supervised By :Semsettin Yesilyurt 07/09/2025



#83
tert-Butylbenzene
Concen: 4.896 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. -0.006 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

Tgt Ion:119 Resp: 94793
Ion Ratio Lower Upper
119 100
91 78.9 32.1 96.3
134 23.7 13.0 38.9





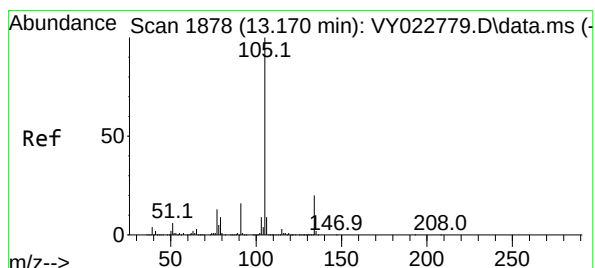
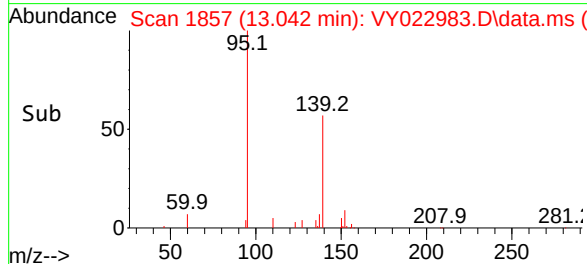
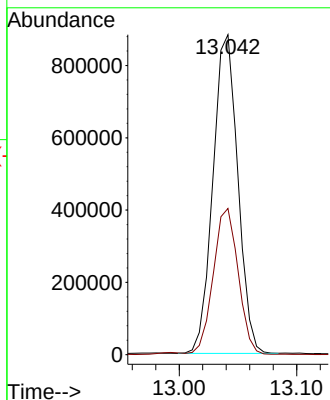
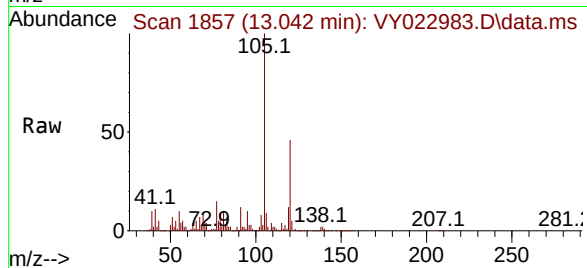
#84
1,2,4-Trimethylbenzene
Concen: 59.018 ug/l
RT: 13.042 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

Tgt Ion:105 Resp: 1297150
Ion Ratio Lower Upper
105 100
120 46.2 22.7 68.1

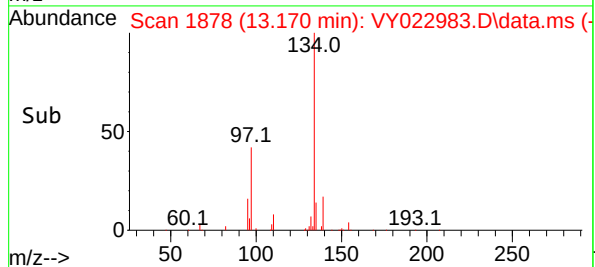
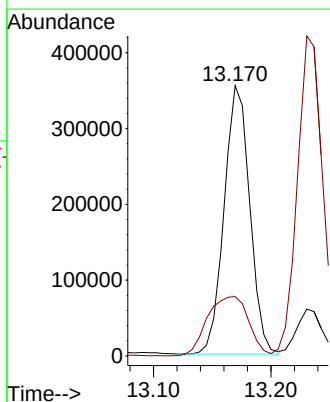
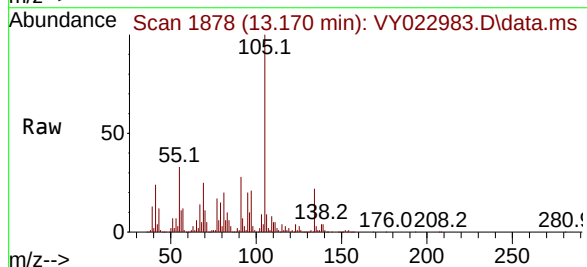
Manual Integrations
APPROVED

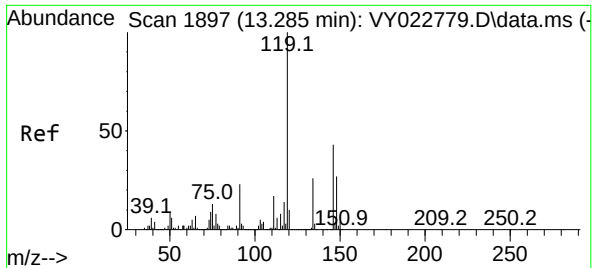
Reviewed By :Mahesh Dadoda 07/09/2025
Supervised By :Semsettin Yesilyurt 07/09/2025



#85
sec-Butylbenzene
Concen: 18.417 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

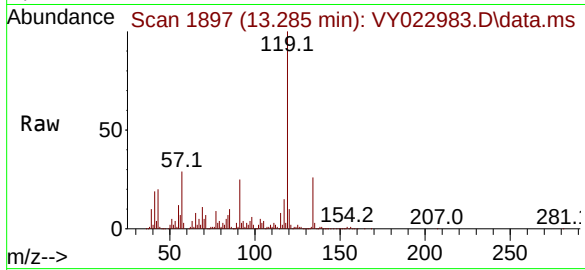
Tgt Ion:105 Resp: 536468
Ion Ratio Lower Upper
105 100
134 35.5 9.7 28.9#





#86
p-Isopropyltoluene
Concen: 57.126 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.006 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

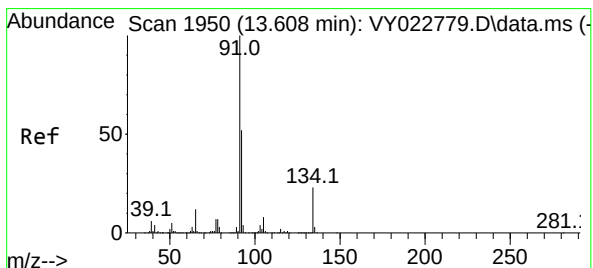
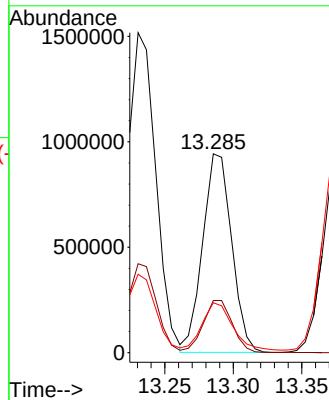
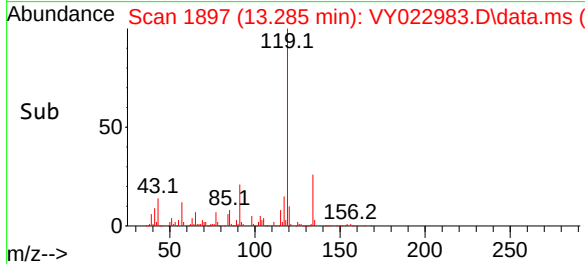
Instrument :
MSVOA_Y
ClientSampleId :
GPX2



Tgt Ion: 119 Resp: 1384778
Ion Ratio Lower Upper
119 100
134 26.3 13.1 39.1
91 24.6 11.6 34.8

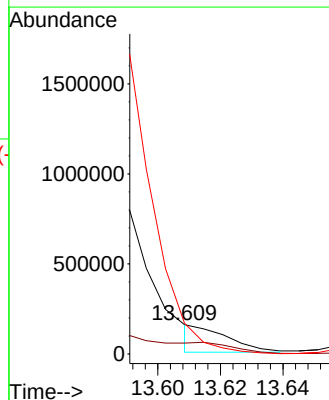
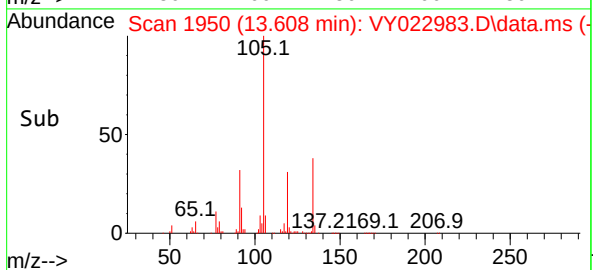
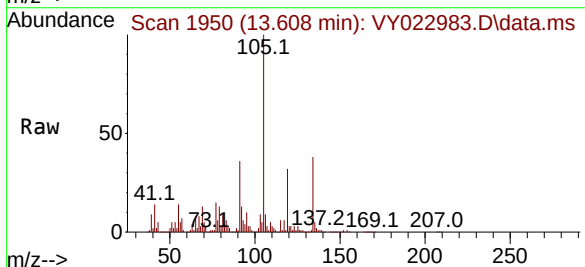
Manual Integrations
APPROVED

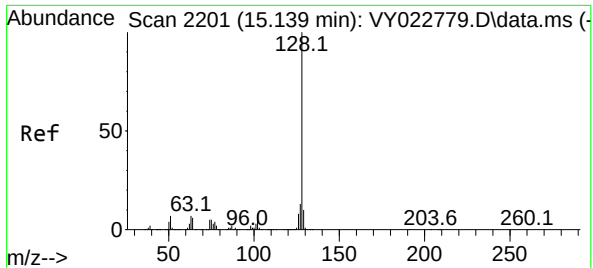
Reviewed By :Mahesh Dadoda 07/09/2025
Supervised By :Semsettin Yesilyurt 07/09/2025



#89
n-Butylbenzene
Concen: 4.854 ug/l m
RT: 13.608 min Scan# 1950
Delta R.T. -0.012 min
Lab File: VY022983.D
Acq: 08 Jul 2025 18:10

Tgt Ion: 91 Resp: 110683
Ion Ratio Lower Upper
91 100
92 257.7 25.9 77.8#
134 3096.0 12.0 36.1#





#95

Naphthalene

Concen: 121.913 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY022983.D

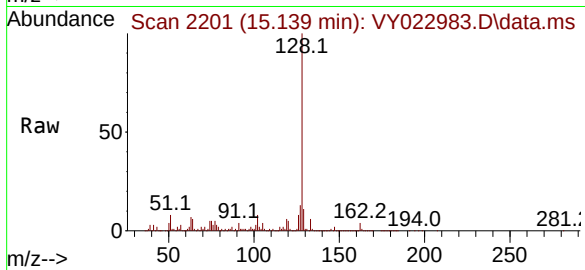
Acq: 08 Jul 2025 18:10

Instrument :

MSVOA_Y

ClientSampleId :

GPX2



Tgt Ion:128 Resp: 135794

Ion Ratio Lower Upper

128 100

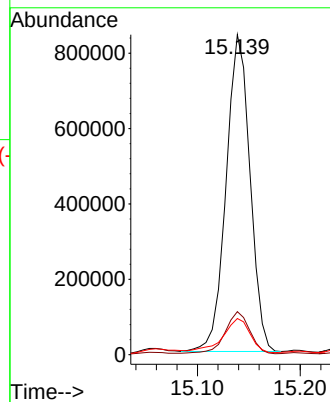
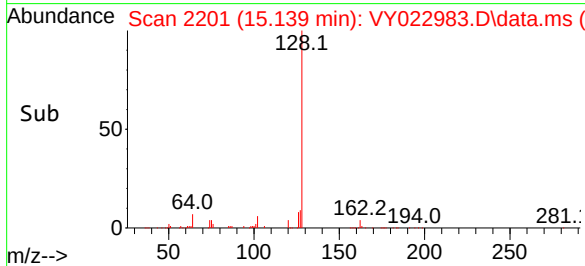
127 13.6 10.4 15.6

129 12.3 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
Supervised By :Semsettin Yesilyurt 07/09/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022983.D
 Acq On : 08 Jul 2025 18:10
 Operator : SY/MD
 Sample : Q2480-02
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022983.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.836	175	183	197	rBV	717856	1559575	2.91%	0.207%
2	4.659	460	482	516	rVB2	1026159	5068602	9.45%	0.674%
3	5.128	543	559	580	rBV	679950	2400320	4.47%	0.319%
4	5.640	630	643	660	rBV	1090762	3363129	6.27%	0.447%
5	6.689	805	815	825	rVV	2207867	6720353	12.52%	0.893%
6	7.439	931	938	948	rVB	862151	2153161	4.01%	0.286%
7	7.695	959	980	989	rBV5	3631695	11694969	21.80%	1.554%
8	7.792	989	996	1007	rVB3	985703	2864476	5.34%	0.381%
9	7.921	1007	1017	1023	rBV	2728923	6400715	11.93%	0.851%
10	8.201	1054	1063	1069	rBV4	1930253	5158876	9.61%	0.686%
11	8.268	1069	1074	1080	rVV3	1337230	3099365	5.78%	0.412%
12	8.341	1080	1086	1097	rVB	1810023	4315856	8.04%	0.574%
13	8.469	1097	1107	1121	rVB	3731953	7521907	14.02%	1.000%
14	8.609	1121	1130	1135	rBV2	2339220	5210620	9.71%	0.692%
15	8.890	1172	1176	1196	rVB2	642083	1746842	3.26%	0.232%
16	9.109	1196	1212	1218	rBV	15840608	33610118	62.64%	4.467%
17	9.170	1218	1222	1230	rVB2	1032539	1964545	3.66%	0.261%
18	9.292	1230	1242	1249	rBV	1763815	3429310	6.39%	0.456%
19	9.390	1249	1258	1264	rBV	1510180	3266984	6.09%	0.434%
20	9.536	1277	1282	1288	rVB2	1956878	3523494	6.57%	0.468%
21	9.634	1293	1298	1302	rBV	2179577	3770414	7.03%	0.501%
22	9.682	1302	1306	1311	rVB2	1351267	2268411	4.23%	0.301%
23	9.749	1311	1317	1320	rBV	3703877	6524972	12.16%	0.867%
24	9.884	1329	1339	1350	rBV2	3913465	9694003	18.07%	1.288%
25	9.987	1350	1356	1360	rBV	2722462	4842068	9.02%	0.643%
26	10.103	1368	1375	1379	rBV	8476947	15265834	28.45%	2.029%
27	10.140	1379	1381	1387	rVB2	2891365	4194043	7.82%	0.557%
28	10.231	1387	1396	1398	rBV	1372556	2431182	4.53%	0.323%
29	10.298	1398	1407	1413	rVB3	9395152	19056073	35.51%	2.532%
30	10.444	1427	1431	1440	rVB2	3603938	6317397	11.77%	0.840%
31	10.536	1440	1446	1453	rBV3	4345236	9481938	17.67%	1.260%
32	10.640	1458	1463	1468	rVB3	1249991	2221543	4.14%	0.295%
33	10.731	1468	1478	1483	rBV2	2463846	4640390	8.65%	0.617%
34	10.804	1483	1490	1491	rBV2	1110225	2114590	3.94%	0.281%
35	10.835	1491	1495	1500	rVV2	2169775	4322379	8.06%	0.574%
36	10.889	1500	1504	1507	rVV4	1942507	3273259	6.10%	0.435%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022983.D
 Acq On : 08 Jul 2025 18:10
 Operator : SY/MD
 Sample : Q2480-02
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Title : SW846 8260

37	10.926	1507	1510	1512	rVV	2071024	3069506	5.72%	0.408%
38	10.963	1512	1516	1520	rVV	6247374	10094448	18.81%	1.342%
39	11.018	1520	1525	1530	rVV	5404642	9494175	17.69%	1.262%
40	11.072	1530	1534	1538	rVV2	1627753	2648093	4.94%	0.352%
41	11.127	1538	1543	1548	rVB2	2339104	4087857	7.62%	0.543%
42	11.213	1548	1557	1567	rVB3	5261964	14206346	26.48%	1.888%
43	11.304	1567	1572	1582	rBV	4078678	8278393	15.43%	1.100%
44	11.420	1586	1591	1596	rBV2	2408487	4135695	7.71%	0.550%
45	11.511	1601	1606	1610	rBV3	1067891	2227128	4.15%	0.296%
46	11.639	1616	1627	1635	rBV3	9810631	24694602	46.02%	3.282%
47	11.700	1635	1637	1642	rVB2	2484754	3550665	6.62%	0.472%
48	11.816	1651	1656	1660	rBV2	1172656	2203580	4.11%	0.293%
49	11.950	1668	1678	1686	rBV4	5238760	15779525	29.41%	2.097%
50	12.048	1690	1694	1697	rVB	1894856	2422171	4.51%	0.322%
51	12.121	1697	1706	1710	rBV3	3580076	7489384	13.96%	0.995%
52	12.170	1710	1714	1718	rVB3	3283223	5018296	9.35%	0.667%
53	12.304	1731	1736	1739	rBV4	1189039	2432222	4.53%	0.323%
54	12.401	1749	1752	1756	rVB3	1406049	1918115	3.57%	0.255%
55	12.444	1756	1759	1763	rBV2	1529800	1900874	3.54%	0.253%
56	12.487	1763	1766	1771	rVB5	909005	1599376	2.98%	0.213%
57	12.566	1775	1779	1786	rVB3	2334452	4408571	8.22%	0.586%
58	12.657	1786	1794	1795	rBV3	2718415	4439803	8.27%	0.590%
59	12.688	1795	1799	1802	rVV	13256018	19708333	36.73%	2.619%
60	12.731	1802	1806	1812	rVV2	36169972	53656724	100.00%	7.131%
61	12.779	1812	1814	1819	rVB3	936133	1304805	2.43%	0.173%
62	12.889	1824	1832	1840	rBV	11202509	19679549	36.68%	2.615%
63	12.962	1840	1844	1852	rVB2	2481708	4338273	8.09%	0.577%
64	13.042	1852	1857	1861	rBV	2599055	4035654	7.52%	0.536%
65	13.090	1861	1865	1871	rVB5	875357	1328309	2.48%	0.177%
66	13.170	1871	1878	1881	rBV4	979390	2186818	4.08%	0.291%
67	13.237	1881	1889	1893	rBV2	5144365	8703267	16.22%	1.157%
68	13.285	1893	1897	1901	rVV2	3061096	4483596	8.36%	0.596%
69	13.377	1904	1912	1917	rVV	22621760	35641017	66.42%	4.737%
70	13.420	1917	1919	1926	rVB2	928794	1714668	3.20%	0.228%
71	13.511	1929	1934	1936	rBV	4854406	6950456	12.95%	0.924%
72	13.541	1936	1939	1942	rVV	10751857	15173252	28.28%	2.016%
73	13.584	1942	1946	1954	rVB2	18842800	29310742	54.63%	3.895%
74	13.669	1954	1960	1965	rBV2	6914777	10358300	19.30%	1.377%
75	13.737	1965	1971	1978	rBV	3785023	6037189	11.25%	0.802%
76	13.834	1984	1987	1991	rVB2	1626661	2143957	4.00%	0.285%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

77	13.889	1991	1996	2001	rBV	10372575	14162835	26.40%	1.882%
78	13.944	2001	2005	2008	rBV	1760370	2508268	4.67%	0.333%
79	13.999	2008	2014	2019	rVV	12877124	19458858	36.27%	2.586%
80	14.047	2019	2022	2030	rVB5	1348166	3110848	5.80%	0.413%
81	14.133	2030	2036	2040	rBV2	3919448	6624937	12.35%	0.880%
82	14.212	2040	2049	2052	rVV2	6783055	12385900	23.08%	1.646%
83	14.249	2052	2055	2059	rVV	8927974	12283941	22.89%	1.632%
84	14.297	2059	2063	2066	rVV	5025894	6924583	12.91%	0.920%
85	14.340	2066	2070	2077	rVV5	4372678	8898680	16.58%	1.183%
86	14.438	2081	2086	2089	rVV	2856412	3783526	7.05%	0.503%
87	14.480	2089	2093	2098	rVV3	3777890	6904910	12.87%	0.918%
88	14.529	2098	2101	2105	rVB	4152867	5422877	10.11%	0.721%
89	14.596	2105	2112	2118	rBV3	12494767	26195181	48.82%	3.481%
90	14.651	2118	2121	2127	rVB2	2549358	4096734	7.64%	0.544%
91	14.749	2133	2137	2140	rBV	1159676	1515438	2.82%	0.201%
92	14.816	2145	2148	2150	rVV	1295865	1793309	3.34%	0.238%
93	14.858	2150	2155	2158	rVV2	5226463	9498313	17.70%	1.262%
94	14.889	2158	2160	2166	rVV	2819108	4305283	8.02%	0.572%
95	14.968	2166	2173	2182	rVB	4661516	10390140	19.36%	1.381%
96	15.139	2190	2201	2207	rBV2	1989138	4722810	8.80%	0.628%
97	15.248	2214	2219	2223	rBV2	1475399	2480992	4.62%	0.330%
98	15.425	2241	2248	2255	rBV	1486145	2829363	5.27%	0.376%
99	15.584	2265	2274	2278	rBV4	860008	2366986	4.41%	0.315%
100	16.364	2395	2402	2415	rVB	659197	1463129	2.73%	0.194%

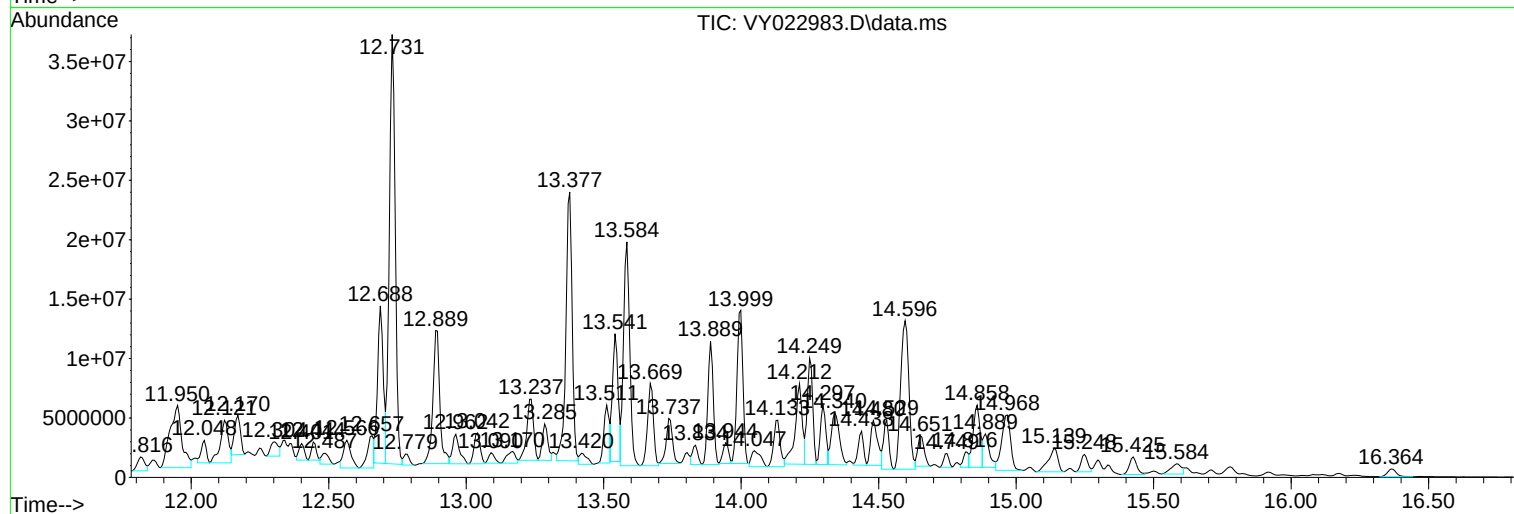
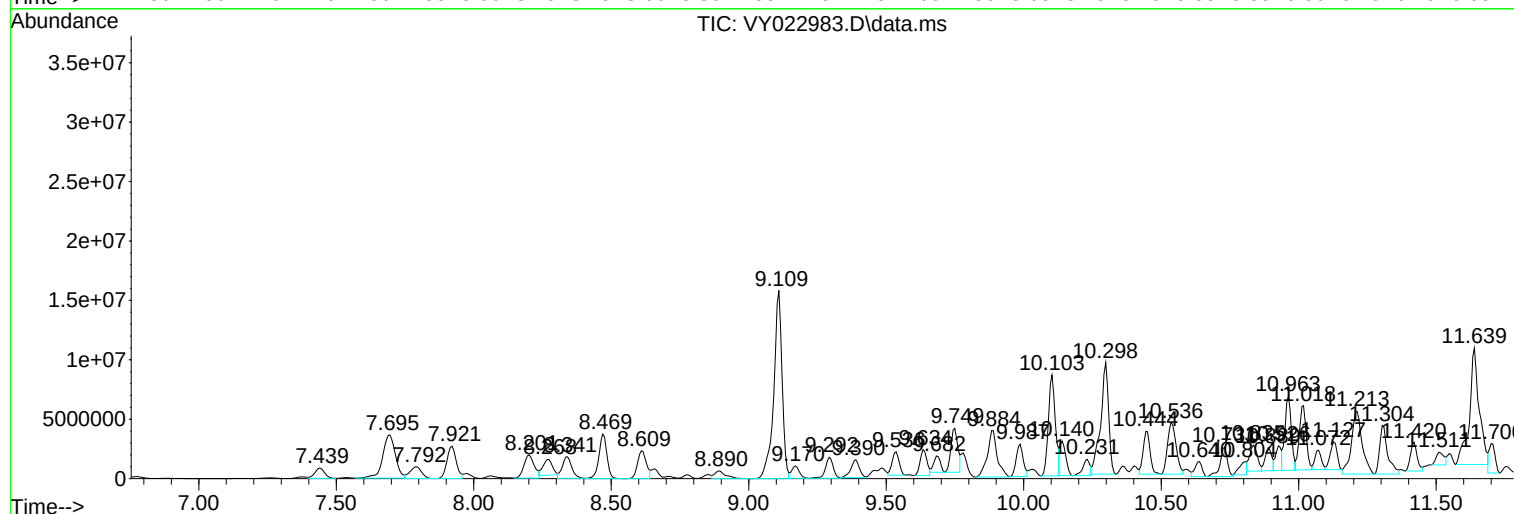
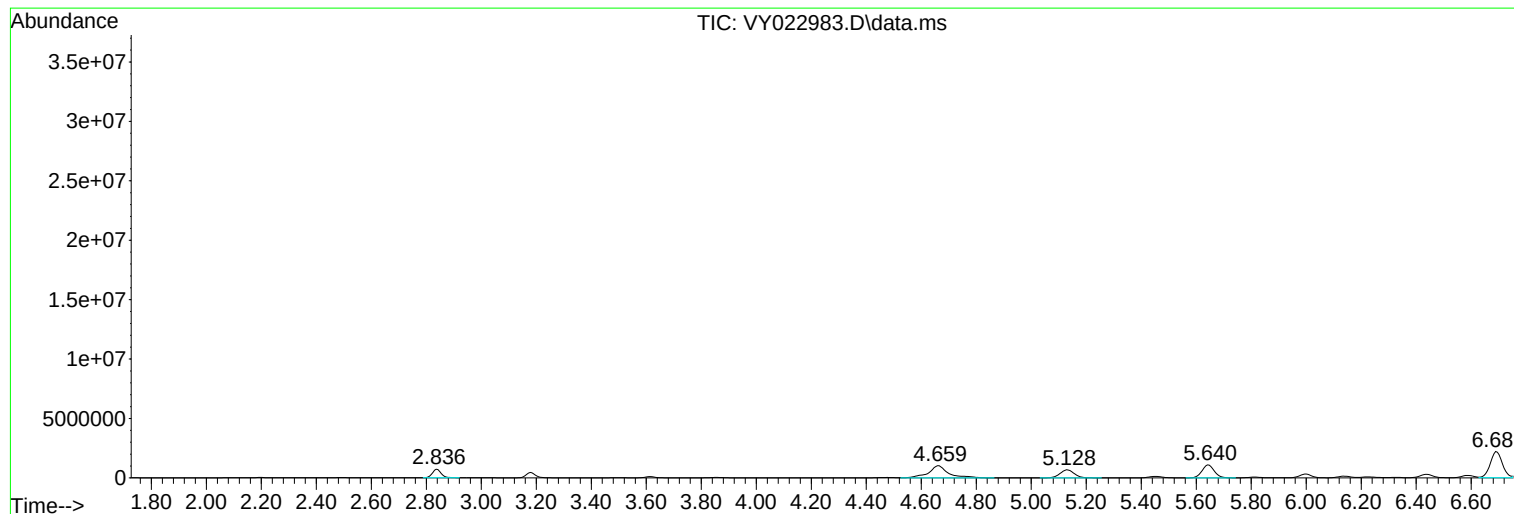
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

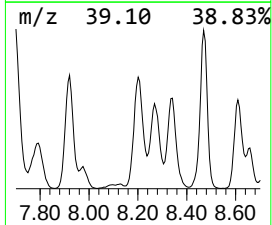
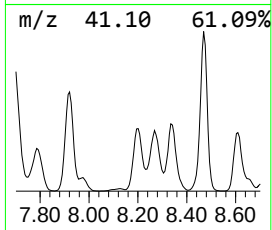
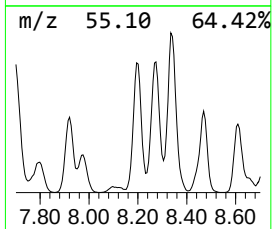
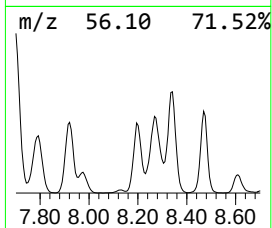
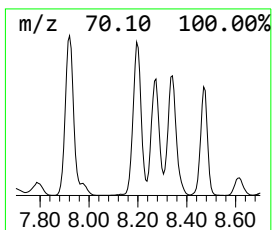
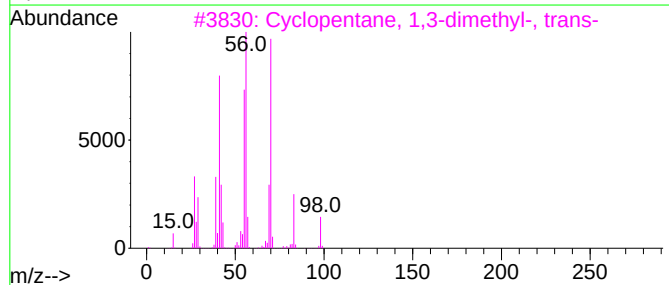
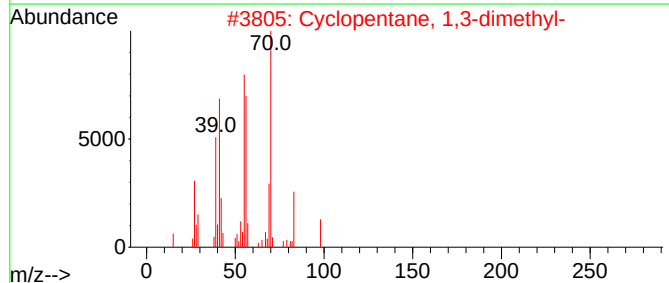
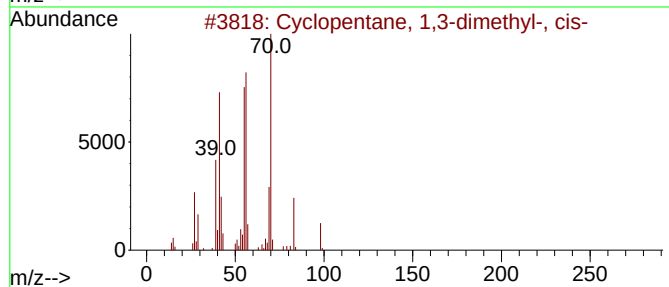
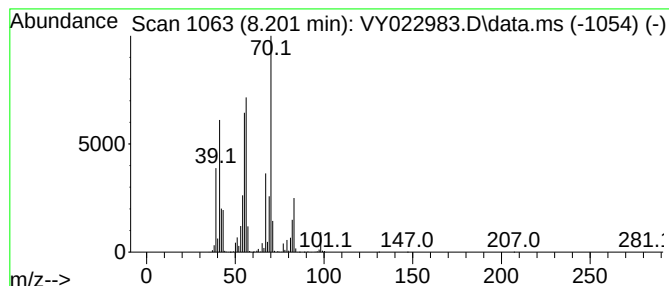
Instrument :
MSVOA_Y
ClientSampleId :
GPX2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclopentane, 1,3-dimethyl-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.201	49.50 ug/l	5158880	1,4-Difluorobenzene	8.616	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	93
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	64
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
5	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

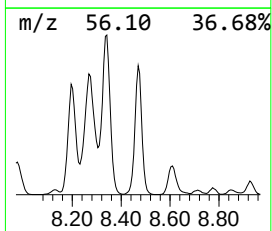
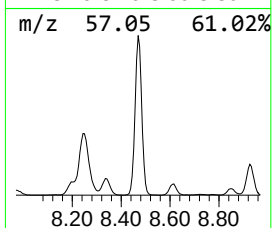
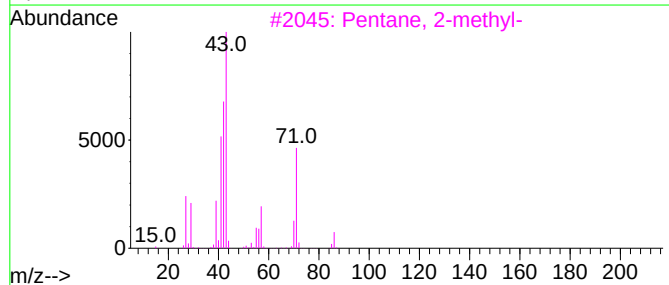
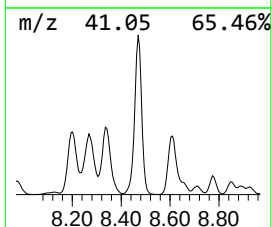
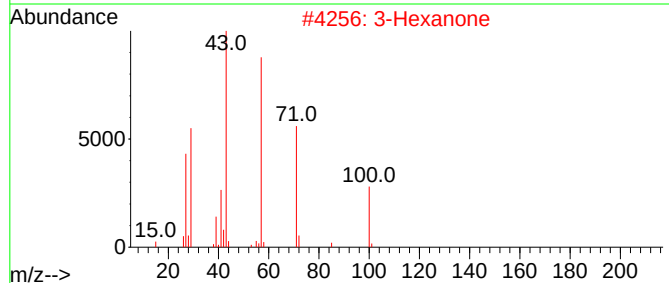
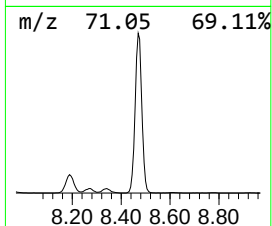
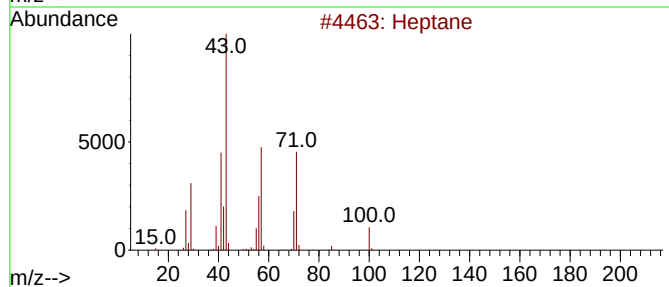
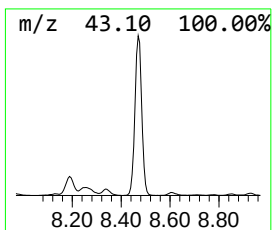
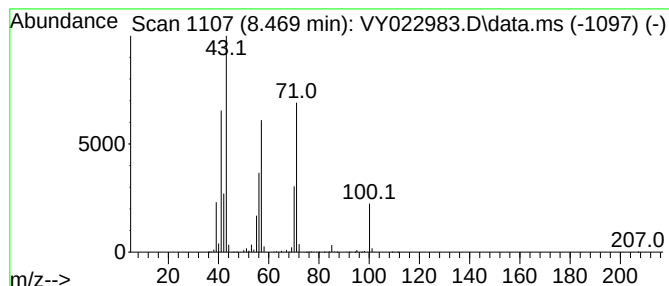
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heptane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.469	72.18 ug/l	7521910	1,4-Difluorobenzene	8.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	91
2			3-Hexanone	100	C6H12O	000589-38-8	50
3			Pentane, 2-methyl-	86	C6H14	000107-83-5	43
4			Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	43
5			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

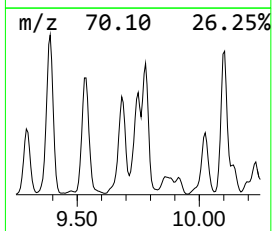
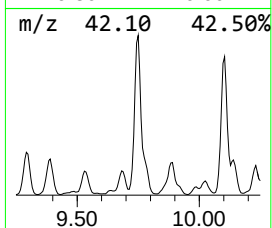
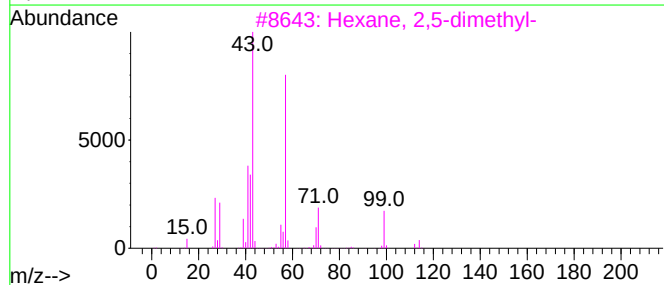
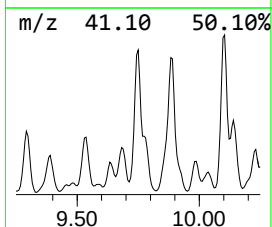
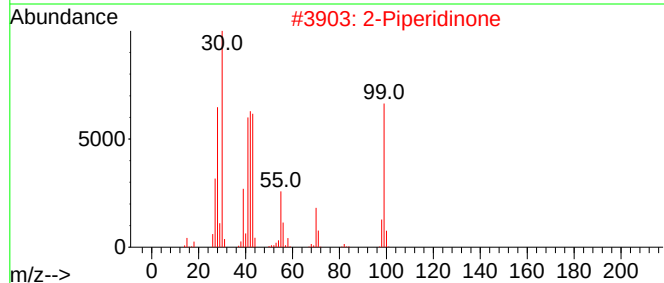
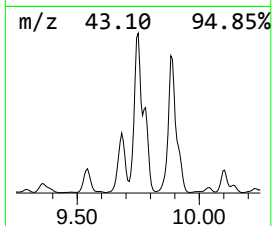
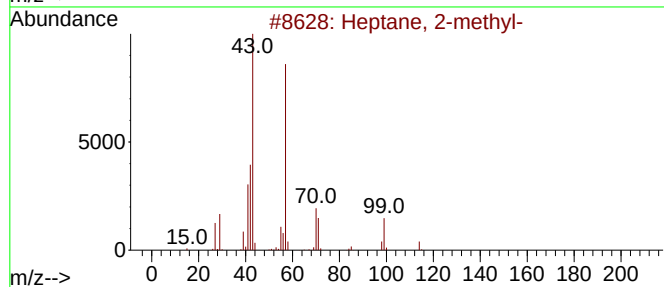
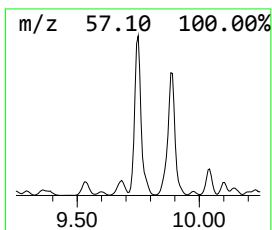
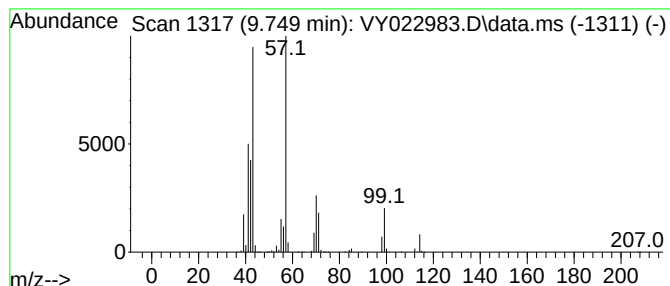
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Heptane, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.749	62.61 ug/l	6524970	1,4-Difluorobenzene	8.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2			2-Piperidinone	99	C5H9NO	000675-20-7	64
3			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
4			Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	40
5			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

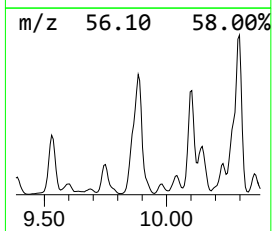
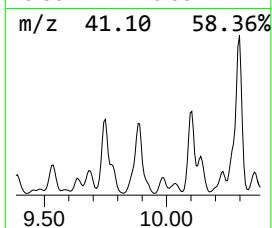
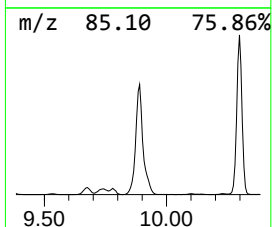
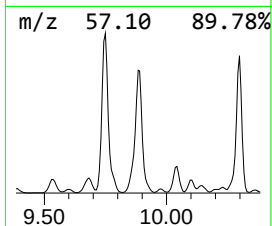
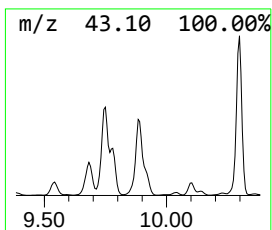
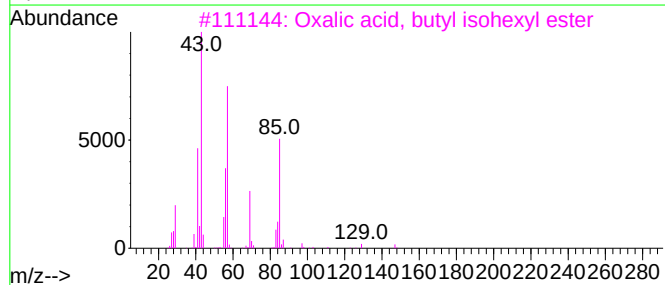
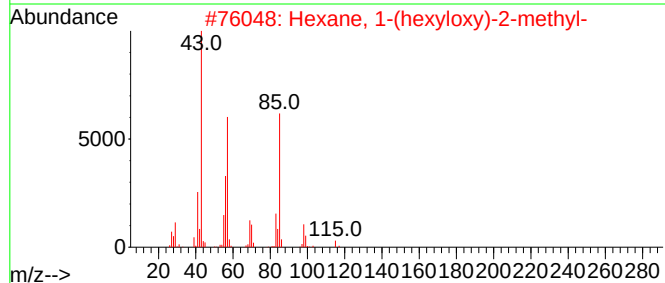
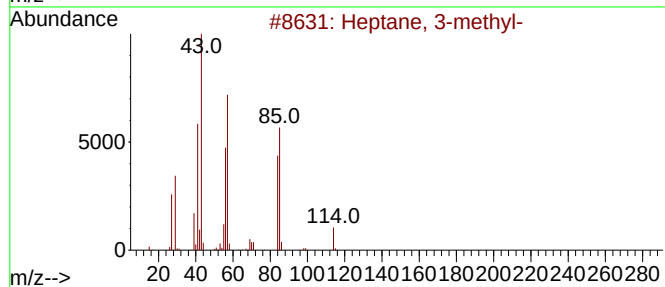
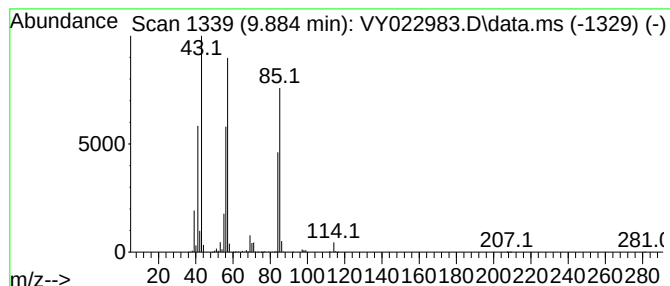
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Heptane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.884	93.02 ug/l	9694000	1,4-Difluorobenzene	8.616

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2			Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	72
3			Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
5			Hexane, 2-methyl-	100	C7H16	000591-76-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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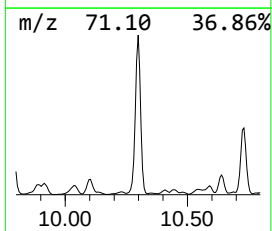
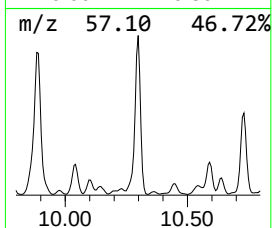
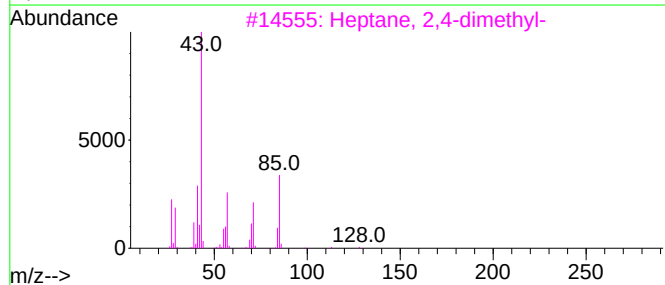
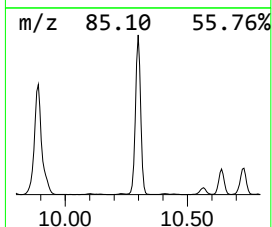
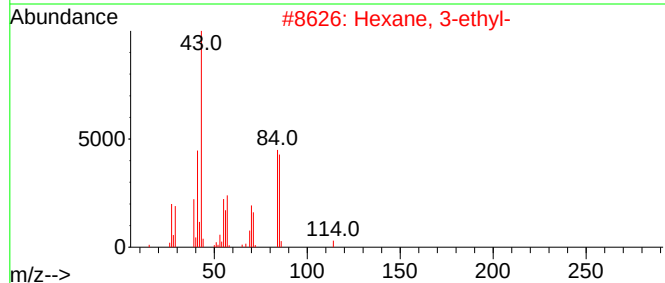
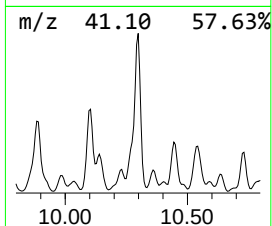
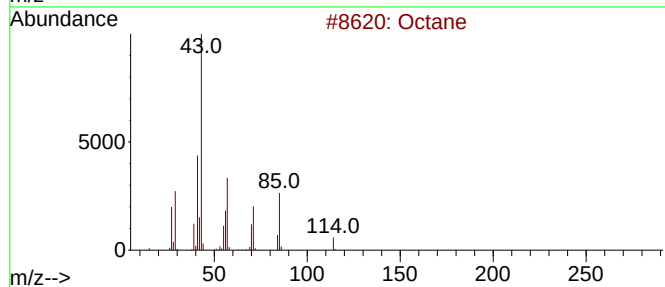
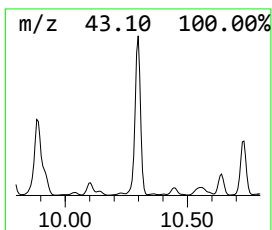
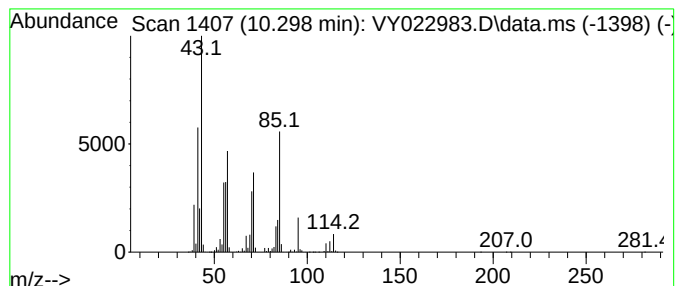
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.298	230.38 ug/l	19056100	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane			114	C8H18	000111-65-9	87
2	Hexane, 3-ethyl-			114	C8H18	000619-99-8	72
3	Heptane, 2,4-dimethyl-			128	C9H20	002213-23-2	53
4	2-Ethylpiperazine			114	C6H14N2	013961-37-0	49
5	Sulfurous acid, hexyl pentadecyl...			376	C21H44O3S	1000309-13-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

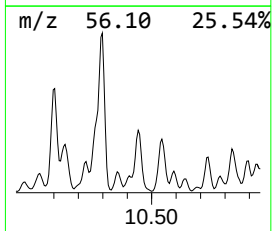
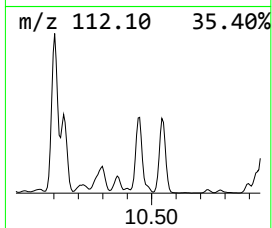
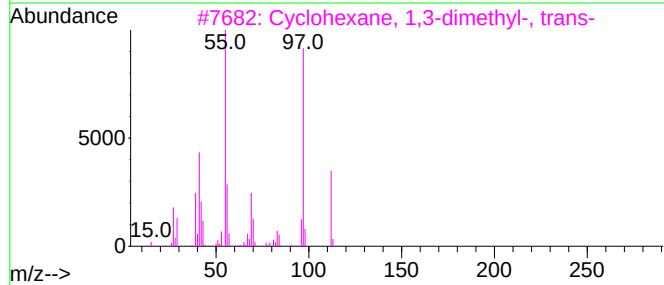
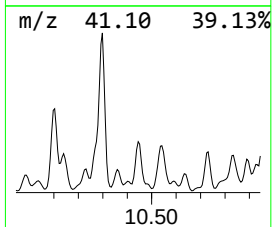
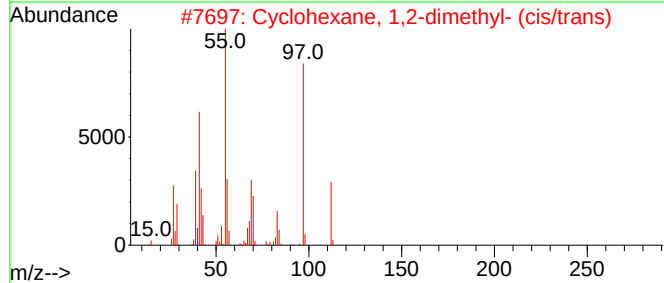
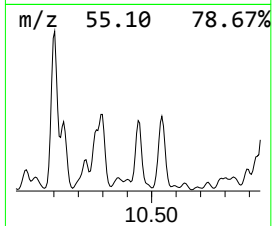
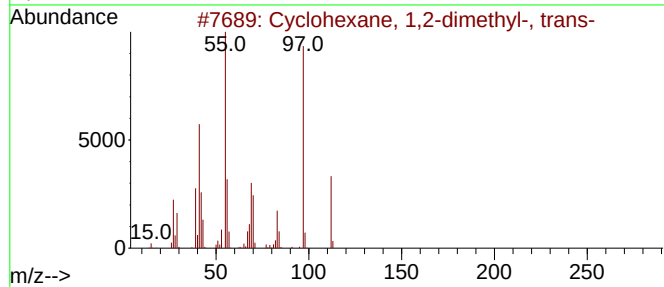
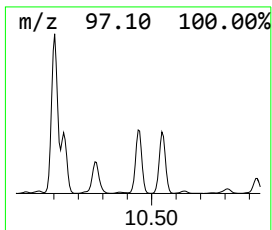
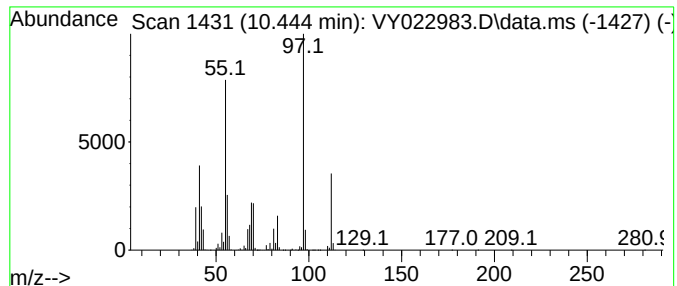
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.444	76.38 ug/l	6317400	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

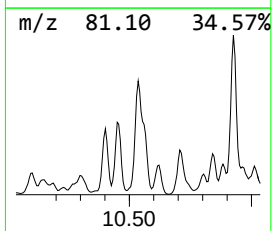
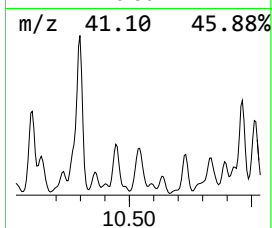
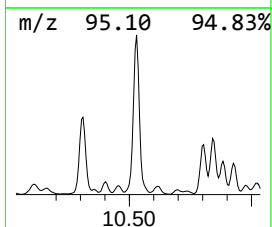
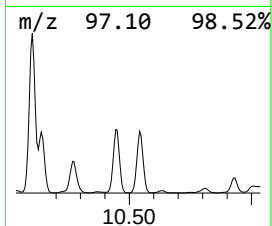
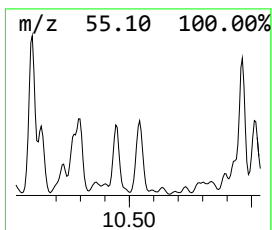
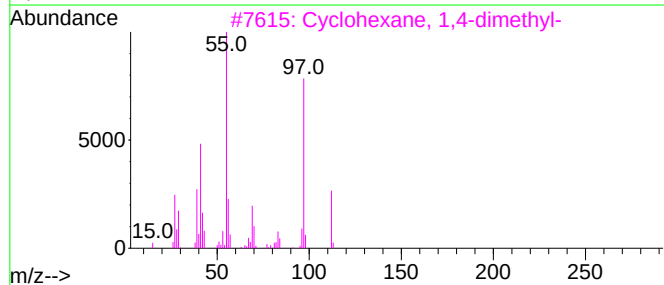
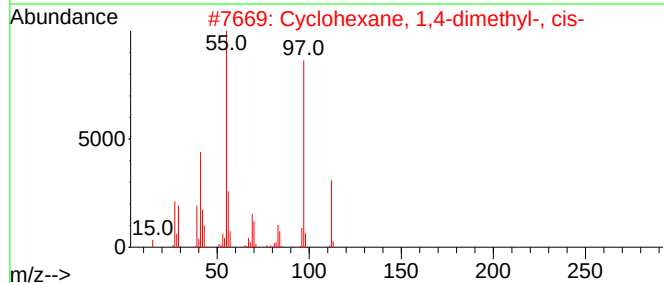
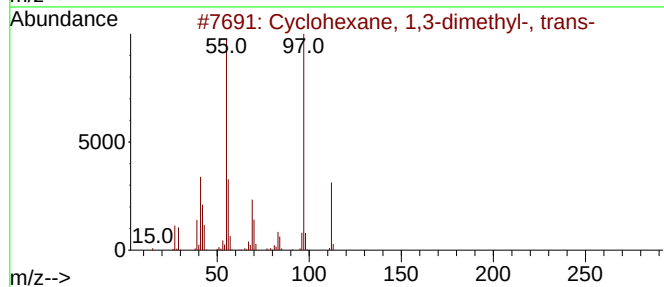
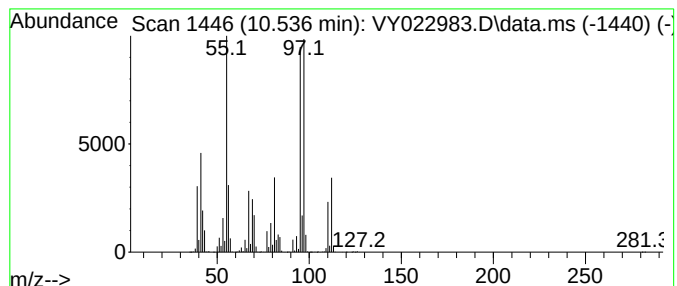
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.536	114.64 ug/l	9481940	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	60
3			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	60
4			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	60
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

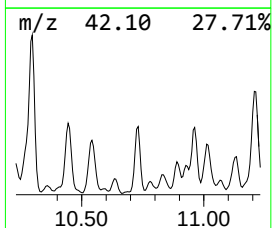
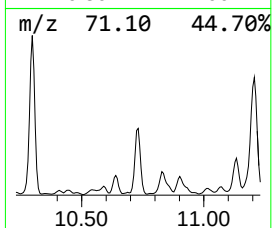
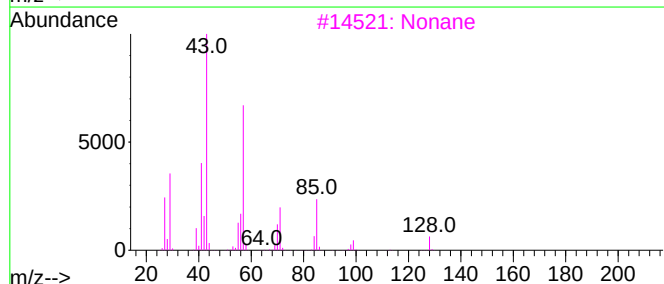
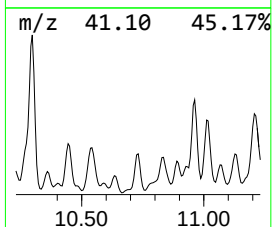
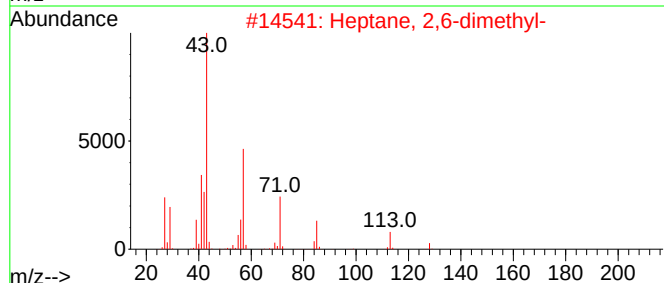
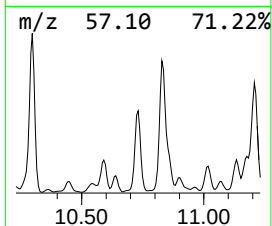
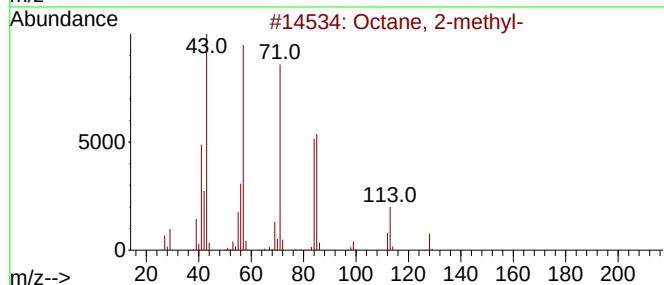
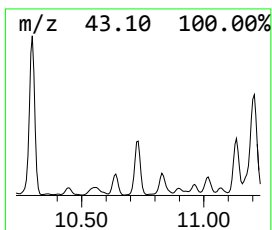
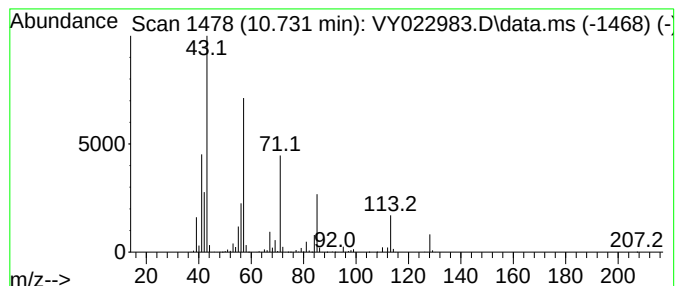
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Octane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.731	56.10 ug/l	4640390	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2-methyl-	128	C9H20	003221-61-2	90
2			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	90
3			Nonane	128	C9H20	000111-84-2	49
4			1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	47
5			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

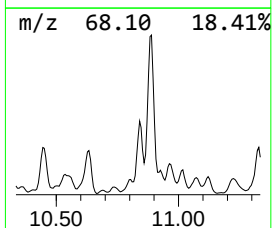
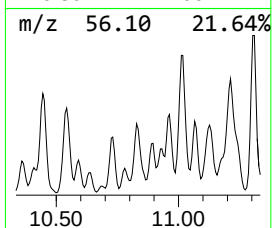
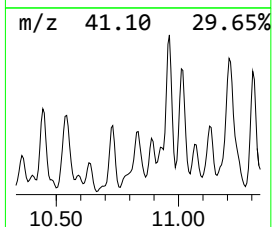
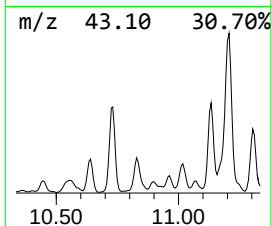
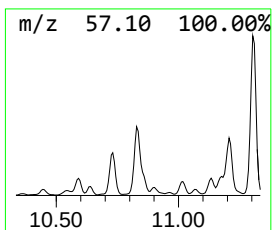
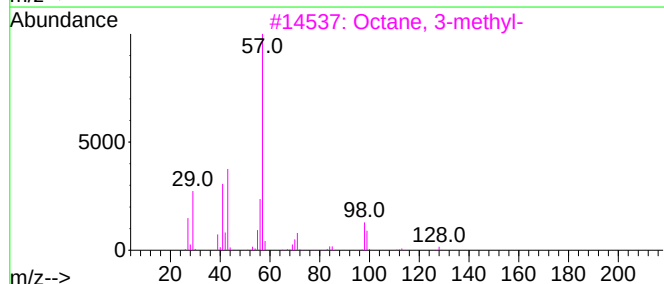
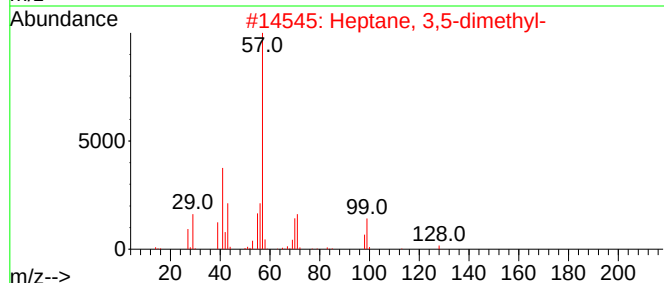
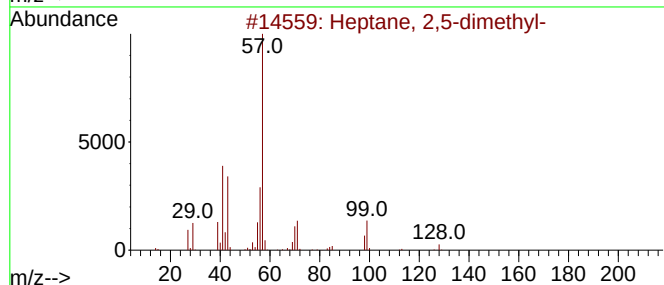
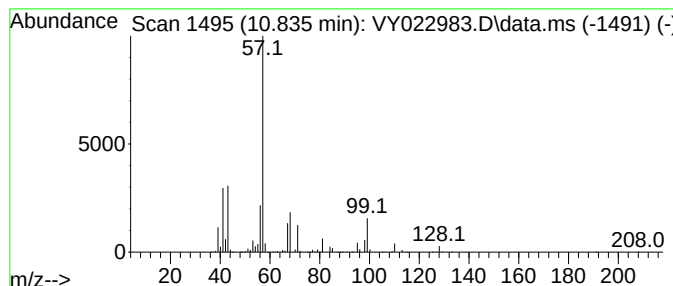
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Heptane, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.835	52.26 ug/l	4322380	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58
2			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	53
3			Octane, 3-methyl-	128	C9H20	002216-33-3	52
4			Hexanoic acid, 1,1-dimethylethyl...	172	C10H20O2	002492-18-4	47
5			2-Octen-1-ol, (E)-	128	C8H16O	018409-17-1	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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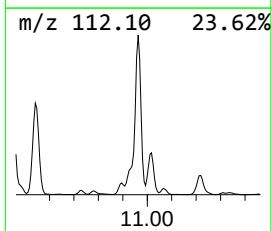
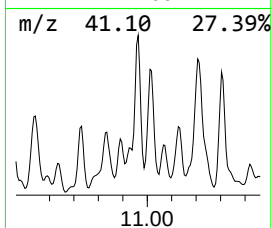
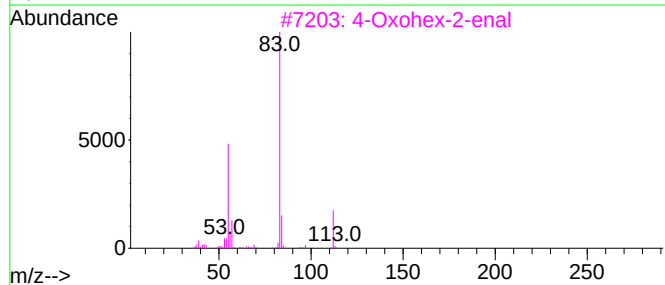
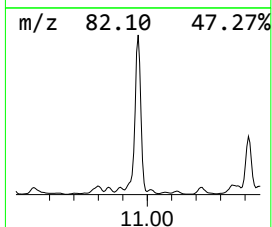
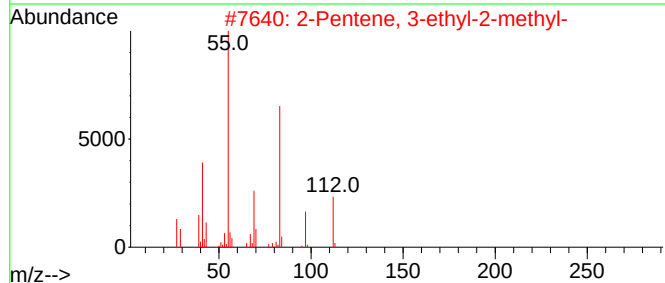
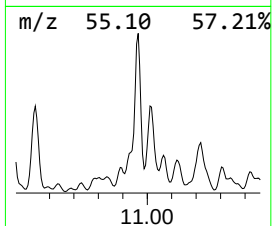
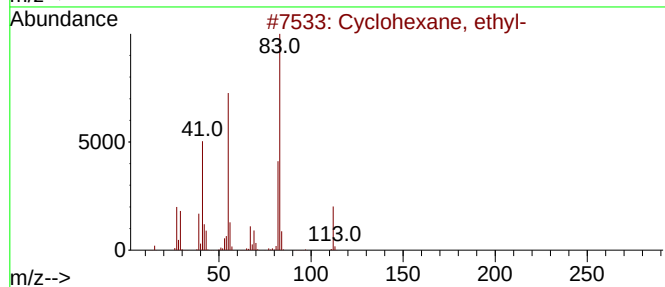
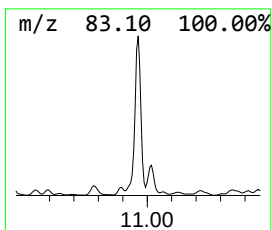
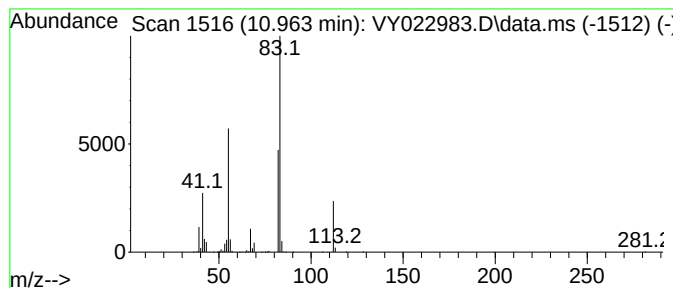
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Cyclohexane, ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	122.04 ug/l	10094400	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2			2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	53
3			4-Oxohex-2-enal	112	C6H8O2	020697-55-6	53
4			2H-Pyran-2-carboxaldehyde, 5,6-d...	112	C6H8O2	053897-26-0	50
5			Oxalic acid, cyclohexyl nonyl ester	298	C17H30O4	1000309-31-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

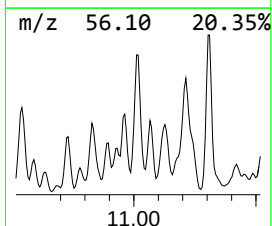
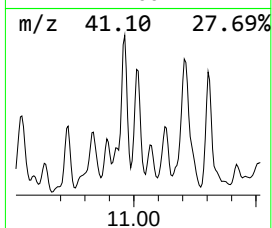
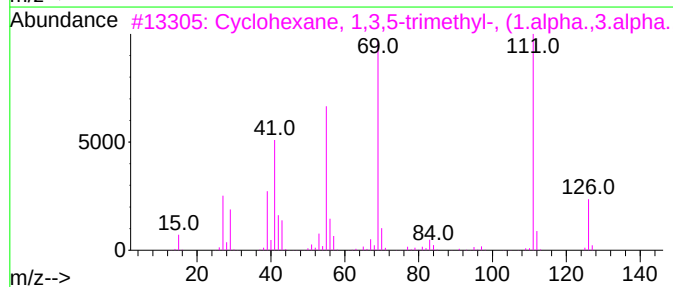
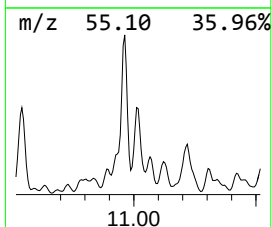
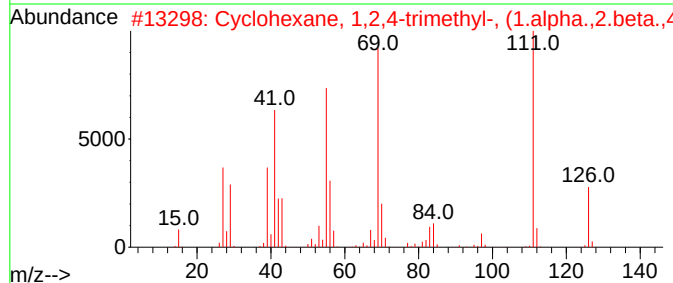
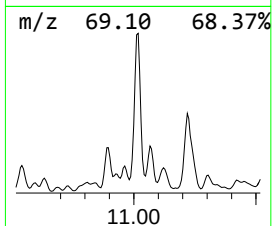
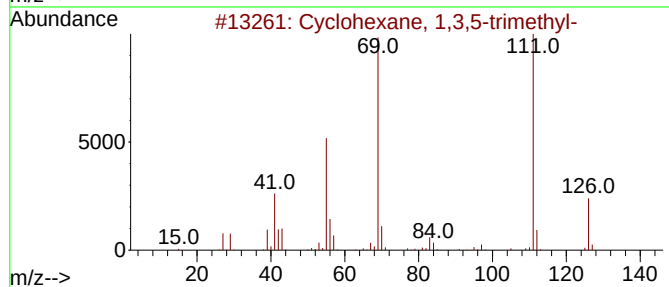
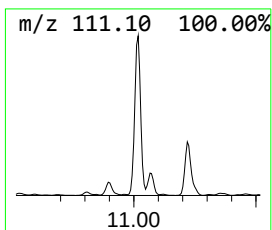
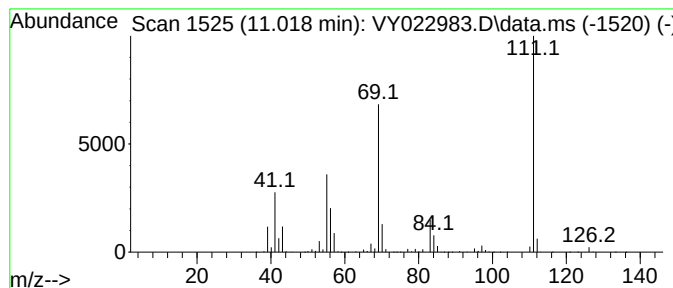
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Cyclohexane, 1,3,5-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.018	114.78 ug/l	9494180	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
2			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	62
5			4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

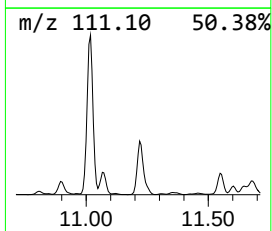
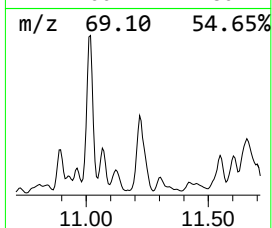
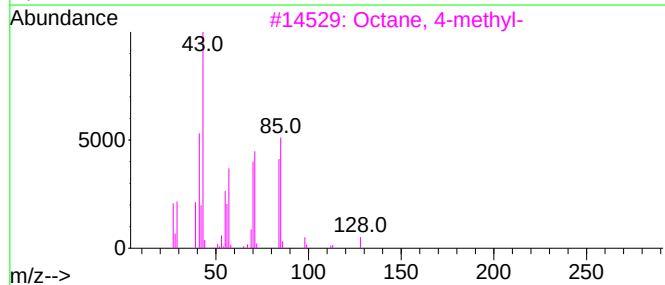
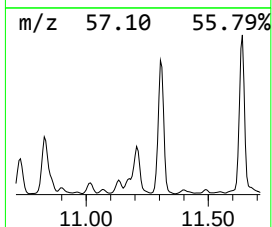
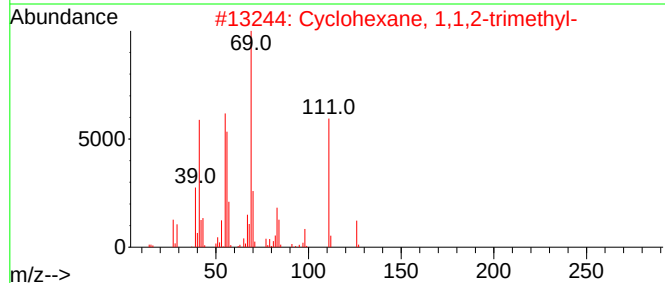
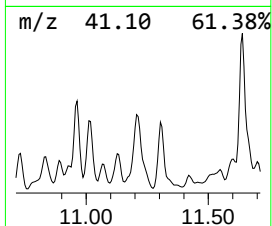
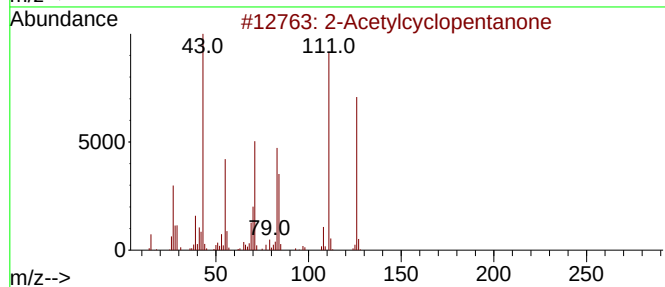
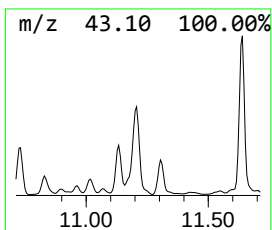
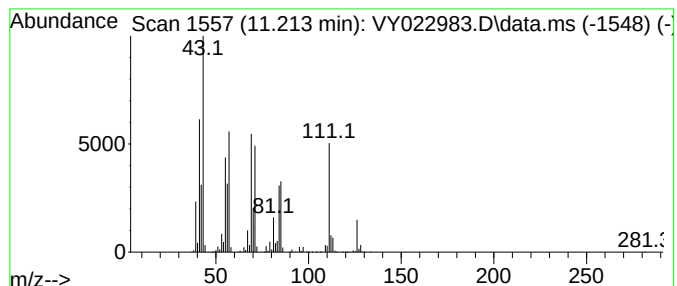
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 2-Acetylcyclopentanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.213	171.75 ug/l	14206300	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Acetylcyclopentanone	126	C7H10O2	001670-46-8	52
2			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	45
3			Octane, 4-methyl-	128	C9H20	002216-34-4	38
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

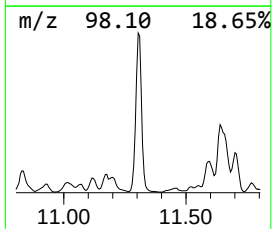
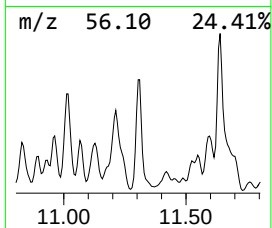
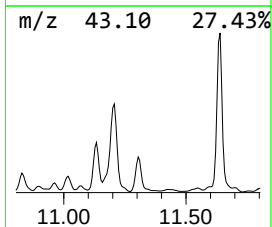
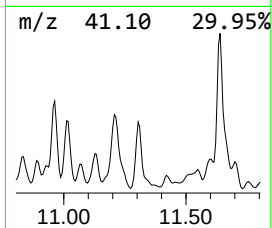
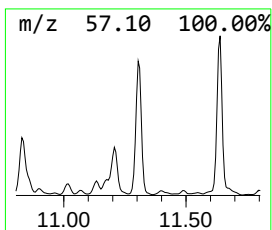
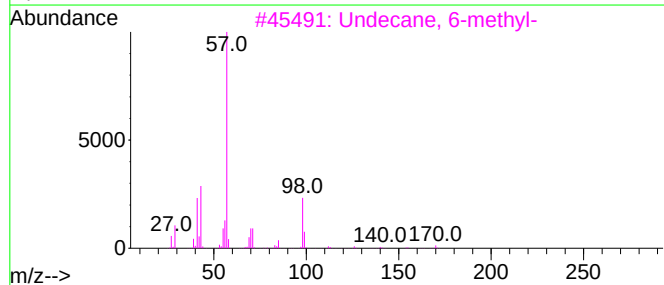
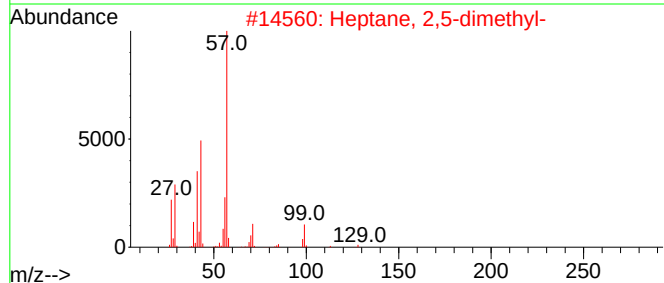
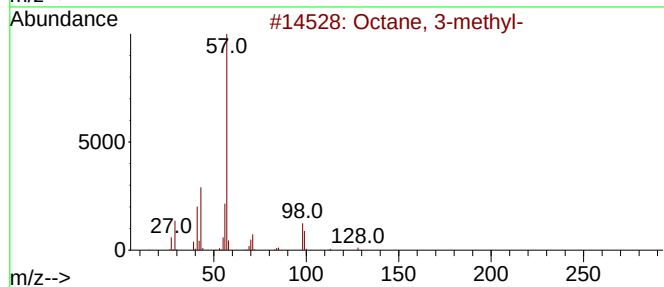
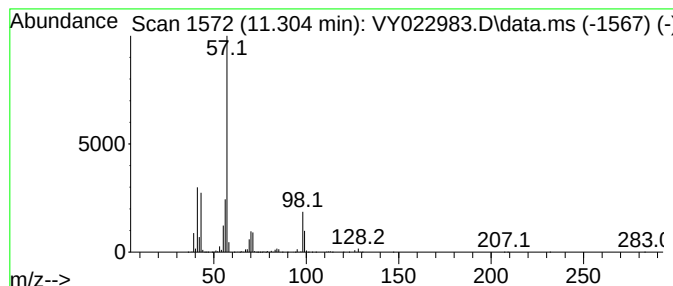
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Octane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	100.08 ug/l	8278390	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3-methyl-	128	C9H20	002216-33-3	90
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
3			Undecane, 6-methyl-	170	C12H26	017302-33-9	59
4			Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	59
5			Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

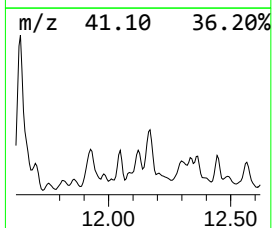
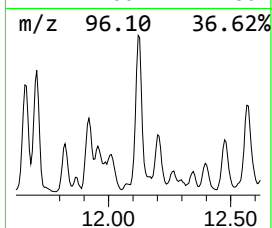
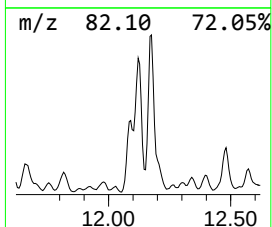
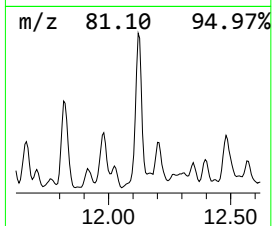
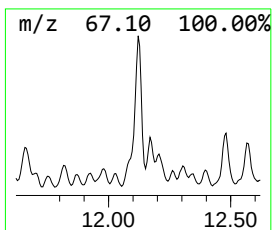
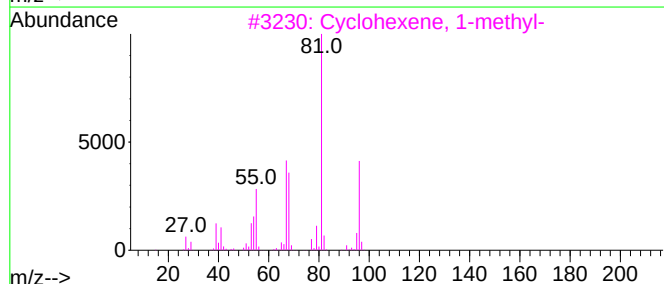
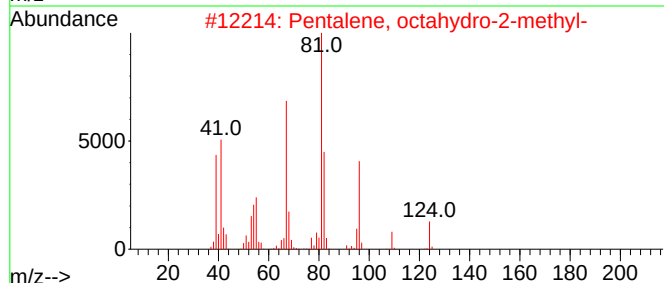
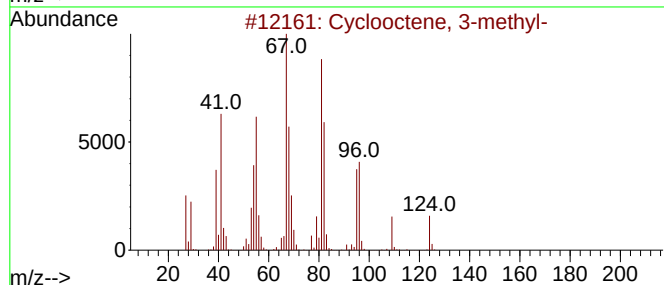
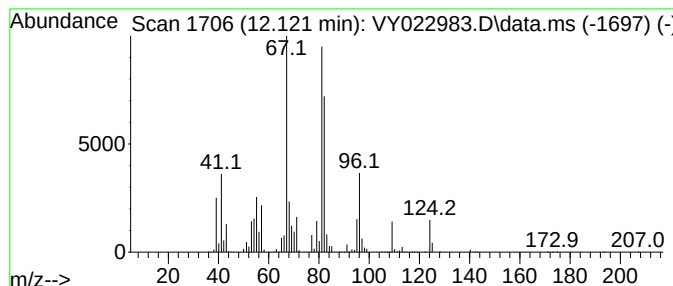
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Cyclooctene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	90.55 ug/l	7489380	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	87
2			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	72
3			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	50
4			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
5			Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

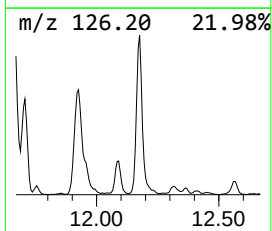
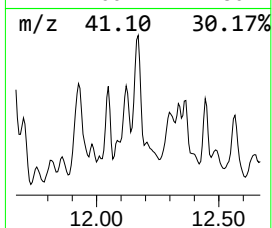
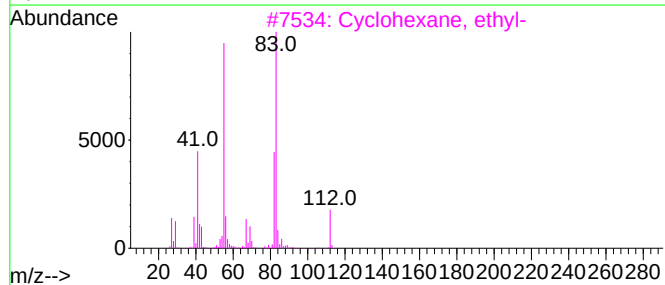
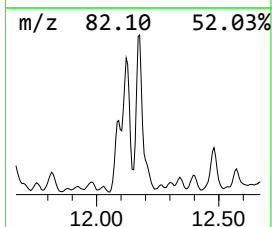
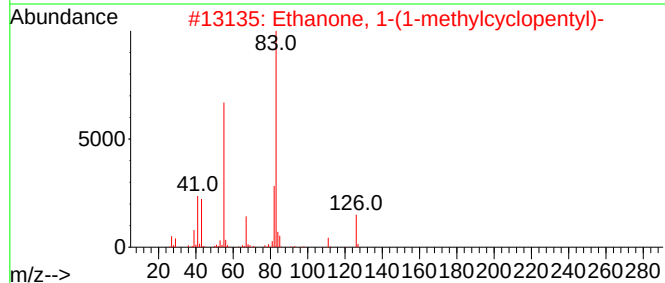
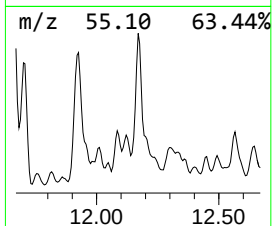
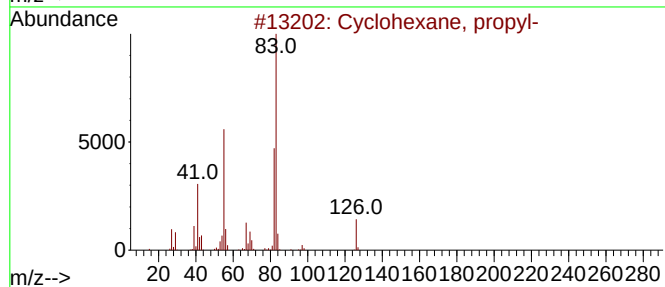
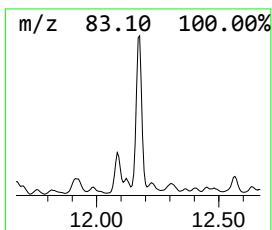
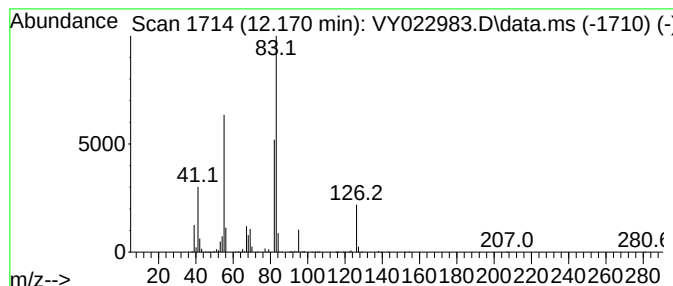
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclohexane, propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.170	60.67 ug/l	5018300	Chlorobenzene-d5	11.414

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	91
2			Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	59
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
4			Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	53
5			Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclopentane, 1...	8.201	49.5	ug/l	5158880	2	8.616	5210620	50.0
Heptane	8.469	72.2	ug/l	7521910	2	8.616	5210620	50.0
Heptane, 2-methyl-	9.749	62.6	ug/l	6524970	2	8.616	5210620	50.0
Heptane, 3-methyl-	9.884	93.0	ug/l	9694000	2	8.616	5210620	50.0
Octane	10.298	230.4	ug/l	19056100	3	11.414	4135700	50.0
Cyclohexane, 1,...	10.444	76.4	ug/l	6317400	3	11.414	4135700	50.0
Cyclohexane, 1,...	10.536	114.6	ug/l	9481940	3	11.414	4135700	50.0
Octane, 2-methyl-	10.731	56.1	ug/l	4640390	3	11.414	4135700	50.0
Heptane, 2,5-di...	10.835	52.3	ug/l	4322380	3	11.414	4135700	50.0
Cyclohexane, et...	10.963	122.0	ug/l	10094400	3	11.414	4135700	50.0
Cyclohexane, 1,...	11.018	114.8	ug/l	9494180	3	11.414	4135700	50.0
2-Acetylcyclope...	11.213	171.8	ug/l	14206300	3	11.414	4135700	50.0
Octane, 3-methyl-	11.304	100.1	ug/l	8278390	3	11.414	4135700	50.0
Cyclooctene, 3-...	12.121	90.5	ug/l	7489380	3	11.414	4135700	50.0
Cyclohexane, pr...	12.170	60.7	ug/l	5018300	3	11.414	4135700	50.0

Report of Analysis

Client:	G Environmental		Date Collected:	06/30/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX2ME		SDG No.:	Q2480	
Lab Sample ID:	Q2480-02ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	89.3	
Sample Wt/Vol:	6.5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046967.D	1	07/14/25 12:49	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	49.1	UD	49.1	220	ug/Kg
74-87-3	Chloromethane	49.1	UD	49.1	220	ug/Kg
75-01-4	Vinyl Chloride	34.0	UD	34.0	220	ug/Kg
74-83-9	Bromomethane	46.1	UD	46.1	220	ug/Kg
75-00-3	Chloroethane	54.3	UD	54.3	220	ug/Kg
75-69-4	Trichlorofluoromethane	52.1	UD	52.1	220	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	45.7	UD	45.7	220	ug/Kg
75-35-4	1,1-Dichloroethene	43.1	UD	43.1	220	ug/Kg
67-64-1	Acetone	200	UD	200	1100	ug/Kg
75-15-0	Carbon Disulfide	45.7	UD	45.7	220	ug/Kg
1634-04-4	Methyl tert-butyl Ether	31.4	UD	31.4	220	ug/Kg
79-20-9	Methyl Acetate	66.3	UD	66.3	220	ug/Kg
75-09-2	Methylene Chloride	150	UD	150	430	ug/Kg
156-60-5	trans-1,2-Dichloroethene	37.0	UD	37.0	220	ug/Kg
75-34-3	1,1-Dichloroethane	34.5	UD	34.5	220	ug/Kg
110-82-7	Cyclohexane	160	JD	34.0	220	ug/Kg
78-93-3	2-Butanone	280	UDQ	280	1100	ug/Kg
56-23-5	Carbon Tetrachloride	41.8	UD	41.8	220	ug/Kg
156-59-2	cis-1,2-Dichloroethene	32.3	UD	32.3	220	ug/Kg
74-97-5	Bromochloromethane	49.5	UD	49.5	220	ug/Kg
67-66-3	Chloroform	36.2	UD	36.2	220	ug/Kg
71-55-6	1,1,1-Trichloroethane	40.1	UD	40.1	220	ug/Kg
108-87-2	Methylcyclohexane	840	D	39.2	220	ug/Kg
71-43-2	Benzene	50.7	JD	34.0	220	ug/Kg
107-06-2	1,2-Dichloroethane	34.0	UD	34.0	220	ug/Kg
79-01-6	Trichloroethene	34.9	UD	34.9	220	ug/Kg
78-87-5	1,2-Dichloropropane	39.2	UD	39.2	220	ug/Kg
75-27-4	Bromodichloromethane	33.6	UD	33.6	220	ug/Kg
108-10-1	4-Methyl-2-Pentanone	150	UDQ	150	1100	ug/Kg
108-88-3	Toluene	52.4	JD	33.6	220	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	06/30/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX2ME		SDG No.:	Q2480	
Lab Sample ID:	Q2480-02ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	89.3	
Sample Wt/Vol:	6.5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046967.D	1	07/14/25 12:49	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	28.0	UD	28.0	220	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	26.7	UD	26.7	220	ug/Kg
79-00-5	1,1,2-Trichloroethane	39.6	UD	39.6	220	ug/Kg
591-78-6	2-Hexanone	160	UDQ	160	1100	ug/Kg
124-48-1	Dibromochloromethane	37.5	UD	37.5	220	ug/Kg
106-93-4	1,2-Dibromoethane	37.9	UD	37.9	220	ug/Kg
127-18-4	Tetrachloroethene	61.9	JD	45.2	220	ug/Kg
108-90-7	Chlorobenzene	39.2	UD	39.2	220	ug/Kg
100-41-4	Ethyl Benzene	340	D	28.9	220	ug/Kg
179601-23-1	m/p-Xylenes	1200	D	53.4	430	ug/Kg
95-47-6	o-Xylene	66.0	JD	35.3	220	ug/Kg
100-42-5	Styrene	30.6	UD	30.6	220	ug/Kg
75-25-2	Bromoform	37.0	UD	37.0	220	ug/Kg
98-82-8	Isopropylbenzene	110	JD	33.6	220	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	52.1	UD	52.1	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	73.6	UD	73.6	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	67.2	UD	67.2	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	62.5	UD	62.5	220	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	79.2	UD	79.2	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	130	UD	130	220	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	140	UD	140	220	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	48.4		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	303000	5.556			
540-36-3	1,4-Difluorobenzene	512000	6.763			
3114-55-4	Chlorobenzene-d5	459000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	235000	12.024			

Report of Analysis

Client:	G Environmental	Date Collected:	06/30/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX2ME	SDG No.:	Q2480
Lab Sample ID:	Q2480-02ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.3
Sample Wt/Vol:	6.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046967.D	1	07/14/25 12:49	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046967.D
 Acq On : 14 Jul 2025 12:49
 Operator : JC/MD
 Sample : Q2480-02ME
 Misc : 6.50g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GPX2ME

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
 Supervised By :Semsettin Yesilyurt 07/15/2025

Quant Time: Jul 15 01:17:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	302766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	512075	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	458895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	234758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	208433	52.110	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.220%			
35) Dibromofluoromethane	5.397	113	166531	47.909	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.820%			
50) Toluene-d8	8.647	98	593241	48.373	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.740%			
62) 4-Bromofluorobenzene	11.079	95	239079	51.293	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.580%			
Target Compounds					Qvalue	
31) Cyclohexane	5.477	56	21084	3.688	ug/l	93
39) Methylcyclohexane	7.379	83	114611	19.536	ug/l	91
40) Benzene	6.050	78	16692	1.177	ug/l	96
52) Toluene	8.720	92	10690	1.216	ug/l	93
64) Tetrachloroethene	9.275	164	4393	1.438	ug/l	90
67) Ethyl Benzene	10.195	91	133370	7.850	ug/l	100
68) m/p-Xylenes	10.299	106	182808	28.553	ug/l	98
69) o-Xylene	10.646	106	9474	1.532	ug/l	90
73) Isopropylbenzene	10.963	105	40776	2.471	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	218024	16.259	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	595843	43.962	ug/l	96
86) p-Isopropyltoluene	12.006	119	30435	2.081	ug/l	96
89) n-Butylbenzene	12.323	91	44480m	3.237	ug/l	
95) Naphthalene	13.774	128	112016	8.399	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

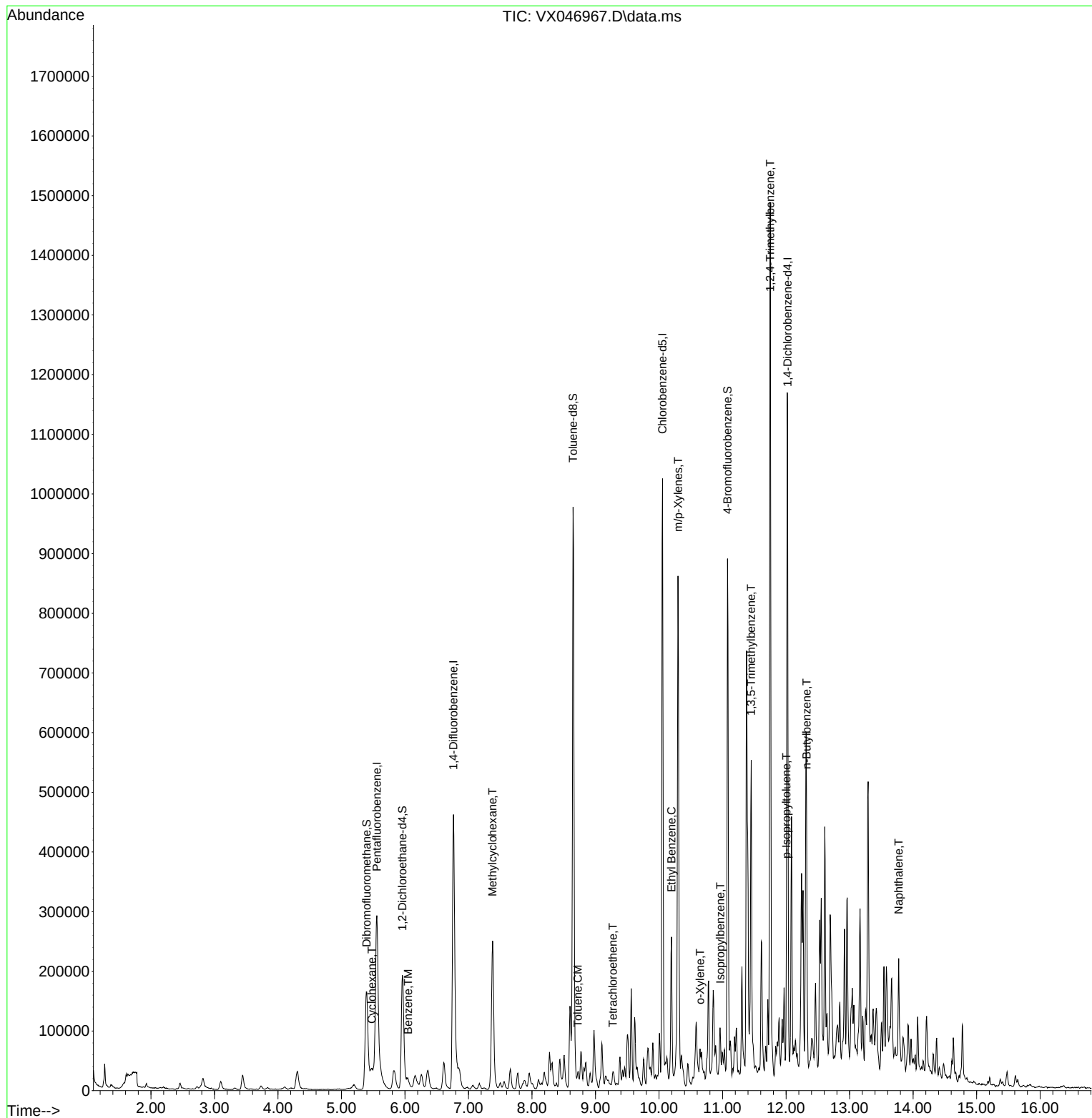
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Data File : VX046967.D
Acq On : 14 Jul 2025 12:49
Operator : JC/MD
Sample : Q2480-02ME
Misc : 6.50g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

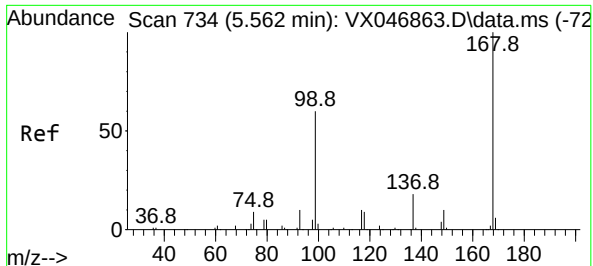
Instrument :
MSVOA_X
ClientSampleId :
GPX2ME

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025

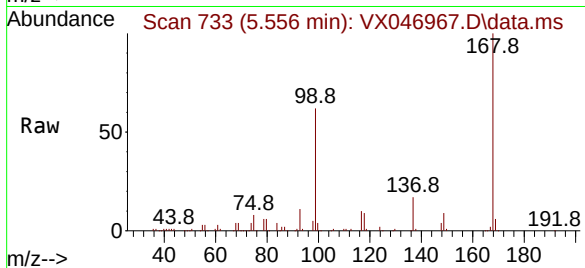
Quant Time: Jul 15 01:17:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046967.D
Acq: 14 Jul 2025 12:49

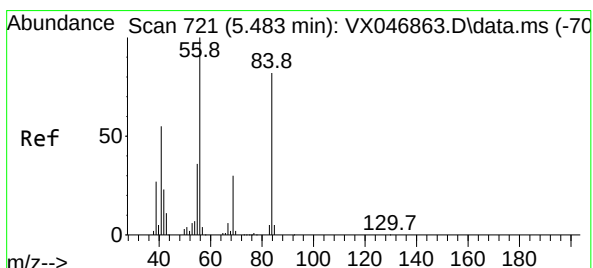
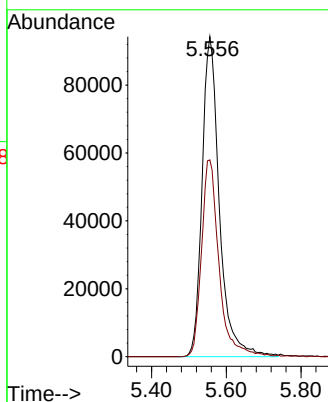
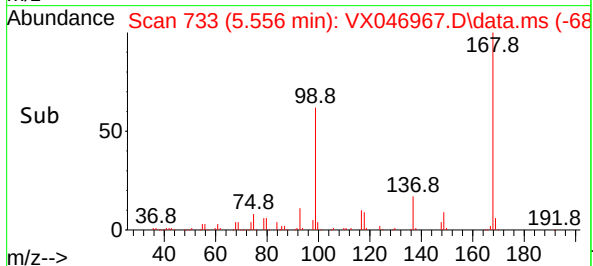
Instrument :
MSVOA_X
ClientSampleId :
GPX2ME



Tgt Ion:168 Resp: 30276
Ion Ratio Lower Upper
168 100
99 61.5 48.8 73.2

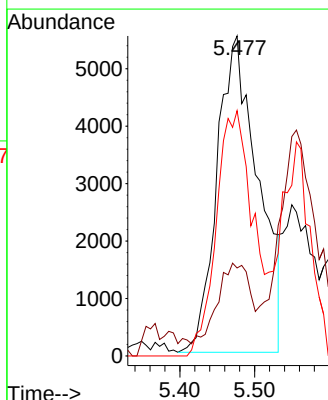
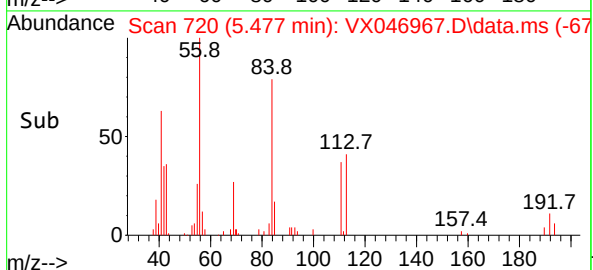
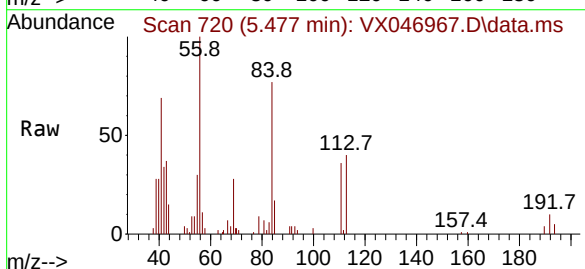
Manual Integrations
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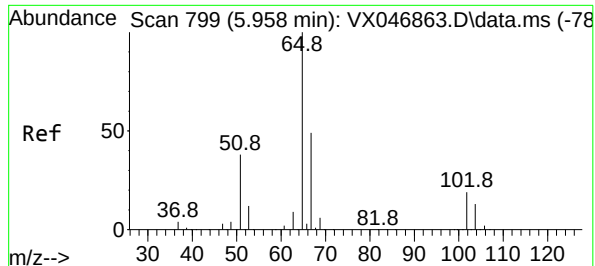
Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025



#31
Cyclohexane
Concen: 3.688 ug/l
RT: 5.477 min Scan# 720
Delta R.T. -0.006 min
Lab File: VX046967.D
Acq: 14 Jul 2025 12:49

Tgt Ion: 56 Resp: 21084
Ion Ratio Lower Upper
56 100
69 25.0 24.0 36.0
84 77.5 66.5 99.7





#33

1,2-Dichloroethane-d4

Concen: 52.110 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

GPX2ME

Tgt Ion: 65 Resp: 20843

Ion Ratio Lower Upper

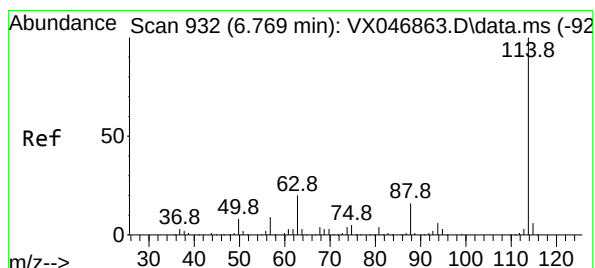
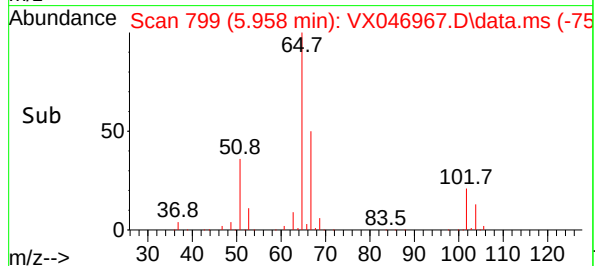
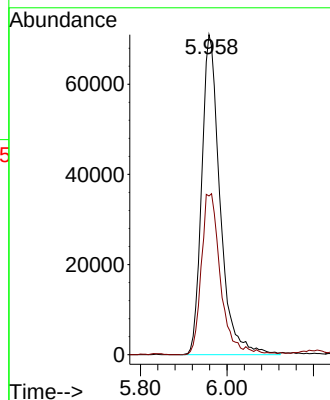
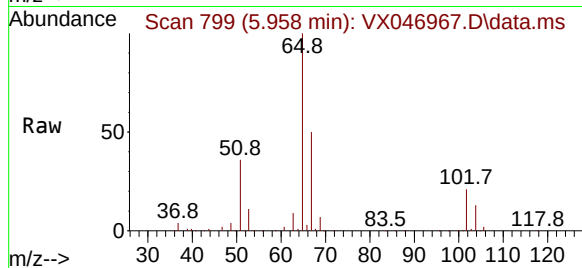
65 100

67 51.3 0.0 105.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

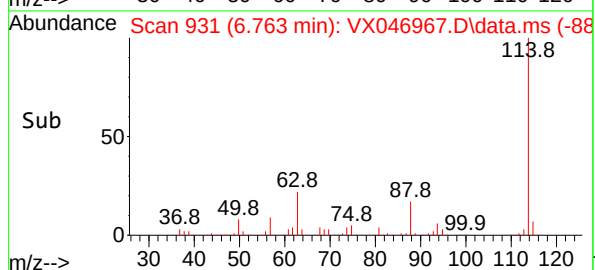
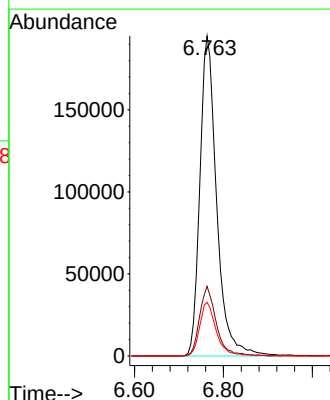
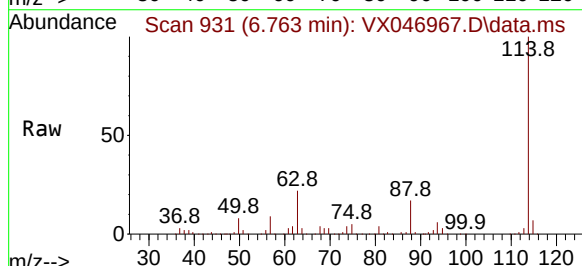
Tgt Ion:114 Resp: 512075

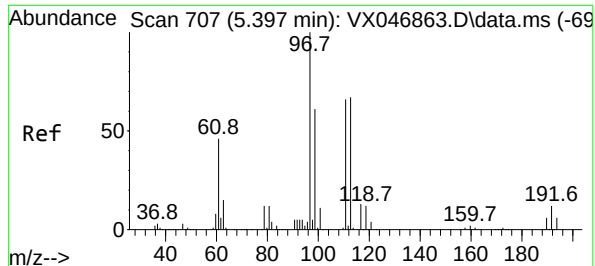
Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.4

88 16.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.909 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046967.D

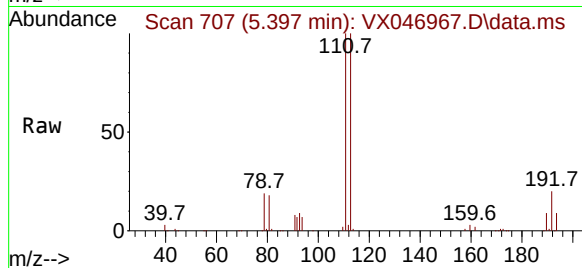
Acq: 14 Jul 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

GPX2ME



Tgt Ion:113 Resp: 16653

Ion Ratio Lower Upper

113 100

111 101.9 81.2 121.8

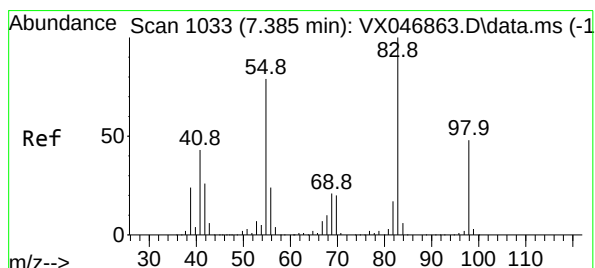
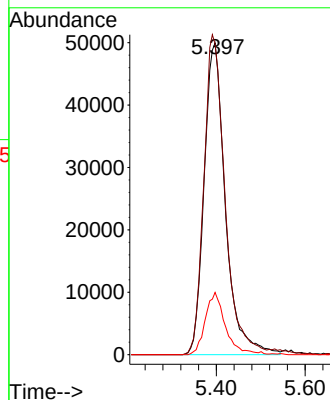
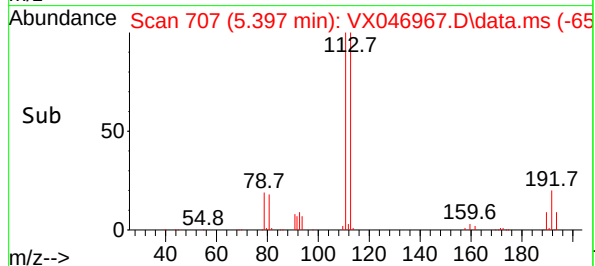
192 18.9 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025

Supervised By :Semsettin Yesilyurt 07/15/2025



#39

Methylcyclohexane

Concen: 19.536 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

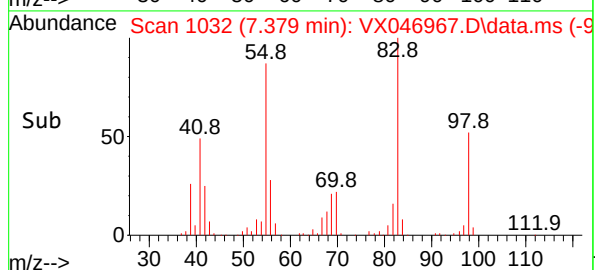
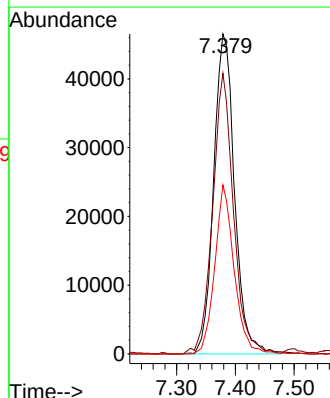
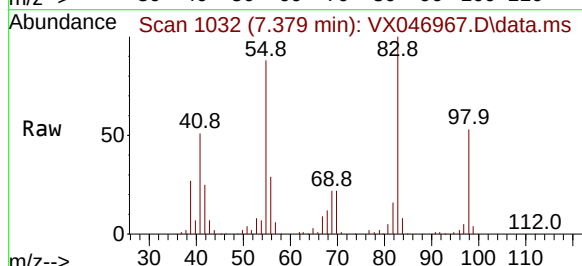
Tgt Ion: 83 Resp: 114611

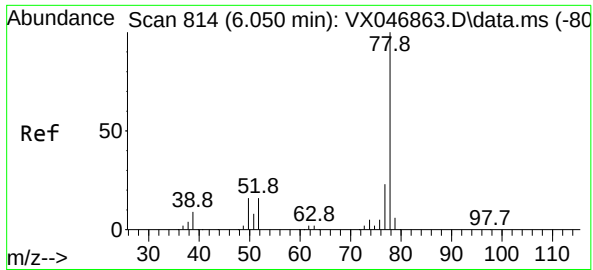
Ion Ratio Lower Upper

83 100

55 87.7 63.0 94.4

98 52.8 38.5 57.7





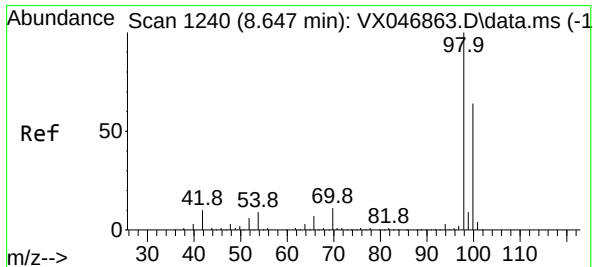
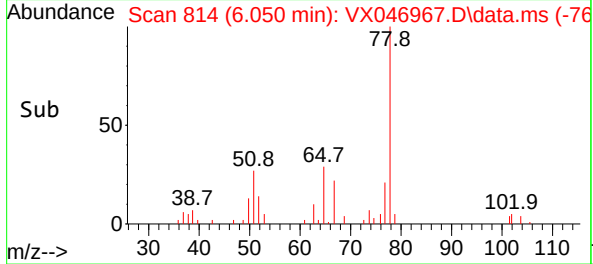
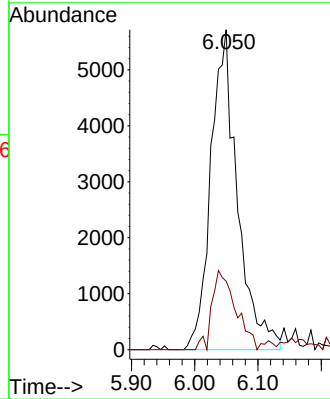
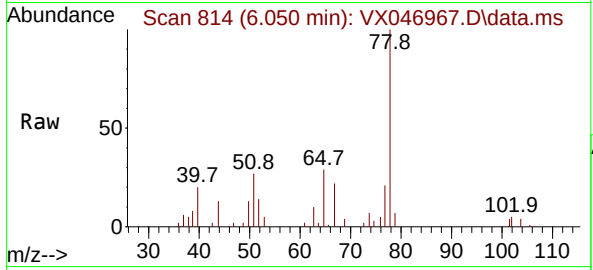
#40
Benzene
Concen: 1.177 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX046967.D
Acq: 14 Jul 2025 12:49

Instrument :
MSVOA_X
ClientSampleId :
GPX2ME

Tgt Ion: 78 Resp: 16692
Ion Ratio Lower Upper
78 100
77 21.4 18.7 28.1

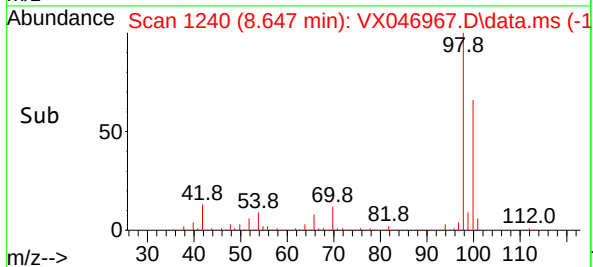
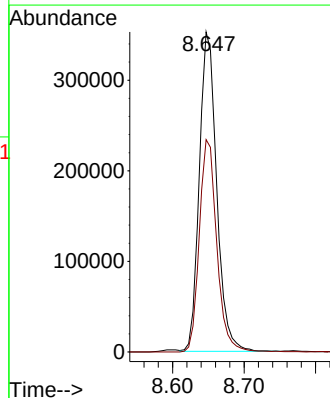
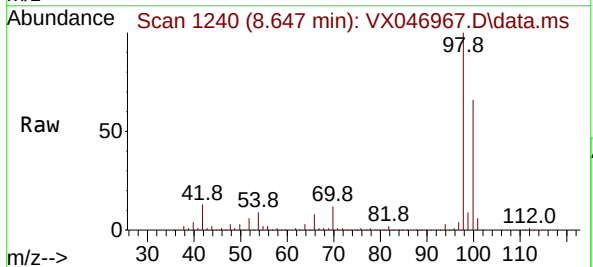
Manual Integrations
APPROVED

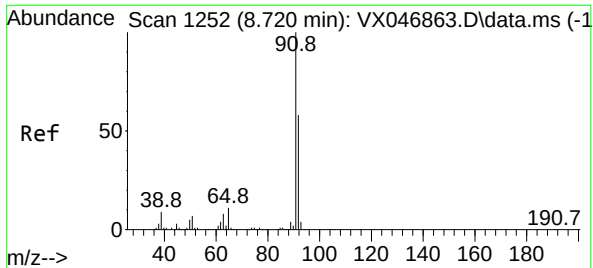
Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025



#50
Toluene-d8
Concen: 48.373 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046967.D
Acq: 14 Jul 2025 12:49

Tgt Ion: 98 Resp: 593241
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.6





#52

Toluene

Concen: 1.216 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

GPX2ME

Tgt Ion: 92 Resp: 10690

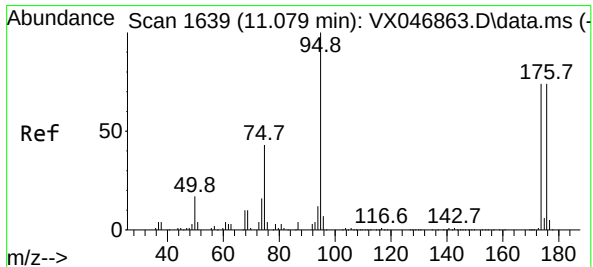
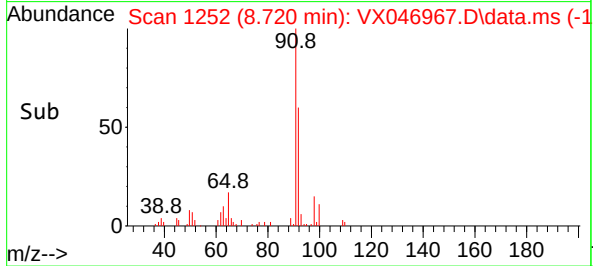
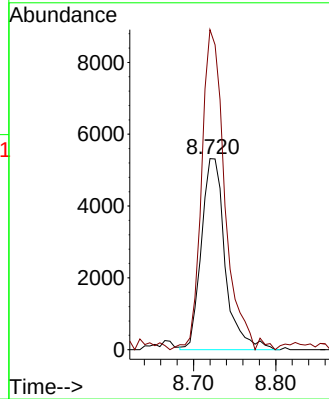
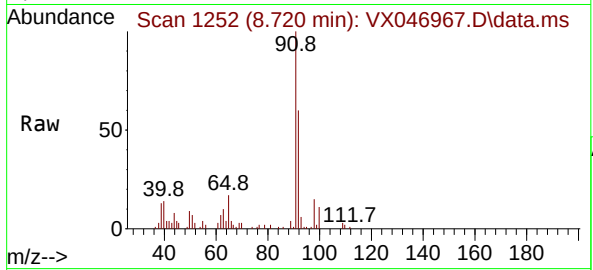
Ion Ratio Lower Upper

92 100

91 162.0 137.9 206.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025

#62

4-Bromofluorobenzene

Concen: 51.293 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

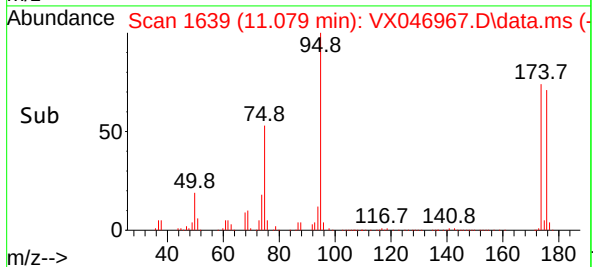
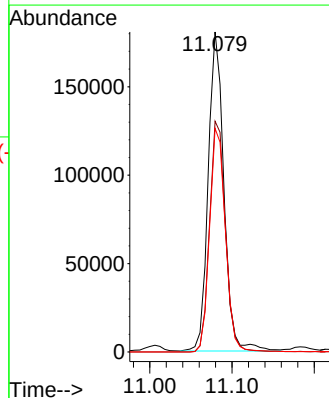
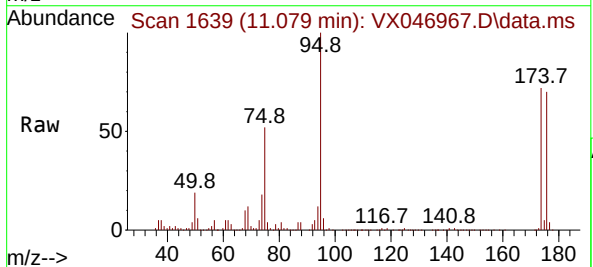
Tgt Ion: 95 Resp: 239079

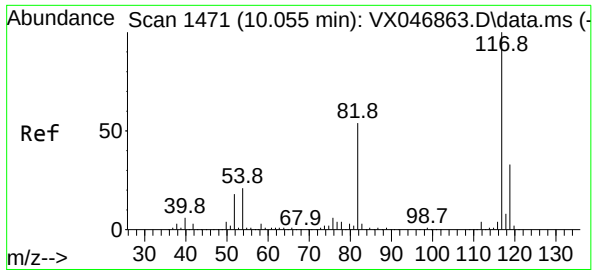
Ion Ratio Lower Upper

95 100

174 73.2 0.0 152.0

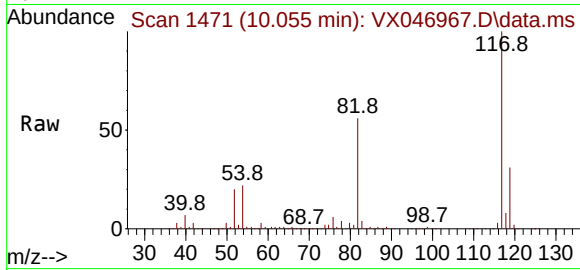
176 71.0 0.0 145.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046967.D
Acq: 14 Jul 2025 12:49

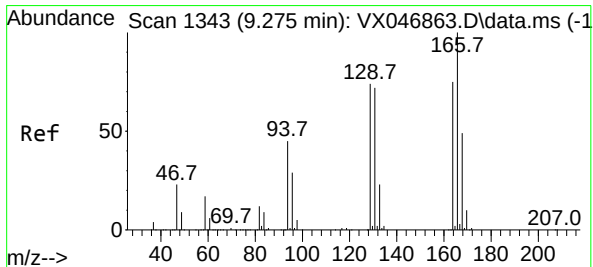
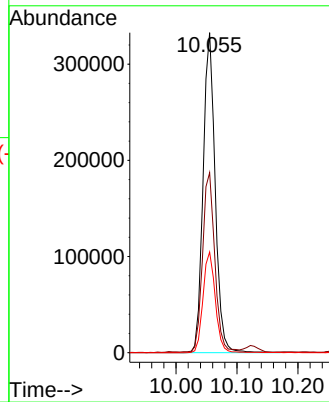
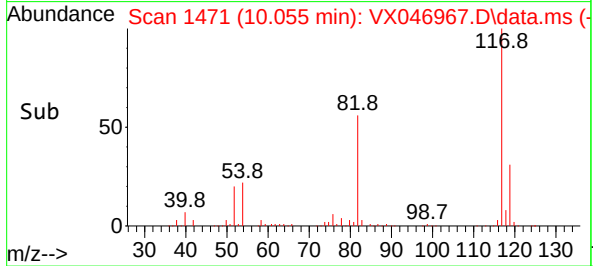
Instrument :
MSVOA_X
ClientSampleId :
GPX2ME



Tgt Ion:117 Resp: 45889
Ion Ratio Lower Upper
117 100
82 56.0 43.3 64.9
119 31.4 26.4 39.6

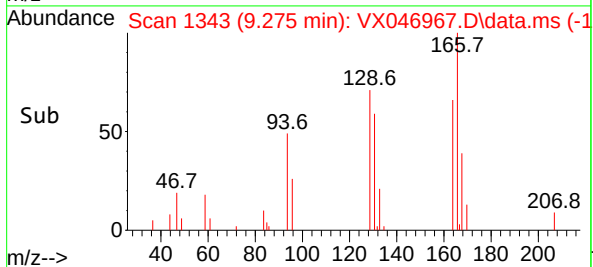
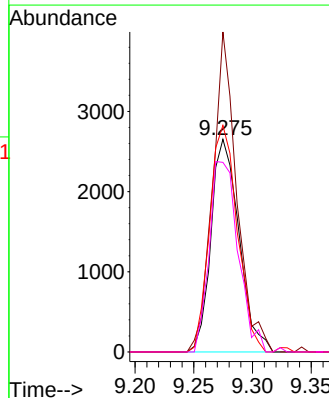
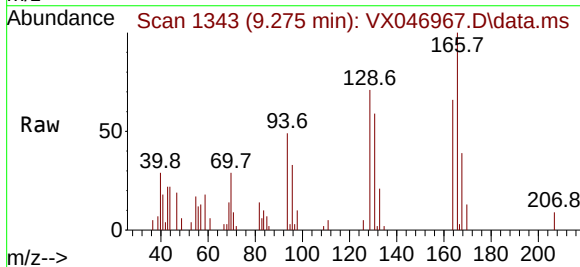
Manual Integrations
APPROVED

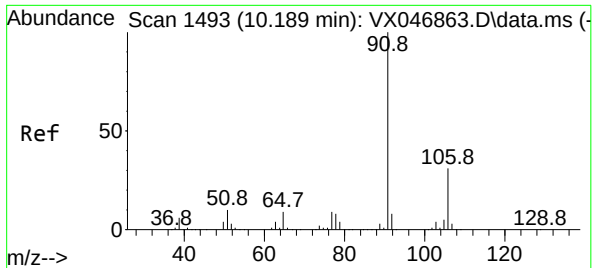
Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025



#64
Tetrachloroethene
Concen: 1.438 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046967.D
Acq: 14 Jul 2025 12:49

Tgt Ion:164 Resp: 4393
Ion Ratio Lower Upper
164 100
166 150.5 107.0 160.6
129 106.6 79.7 119.5
131 89.2 77.1 115.7





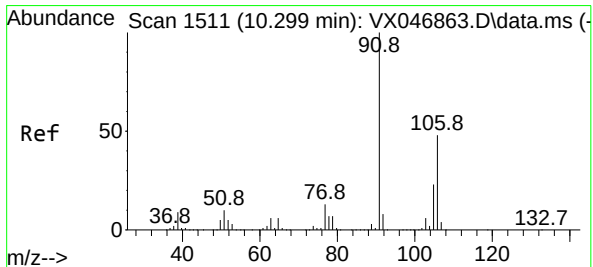
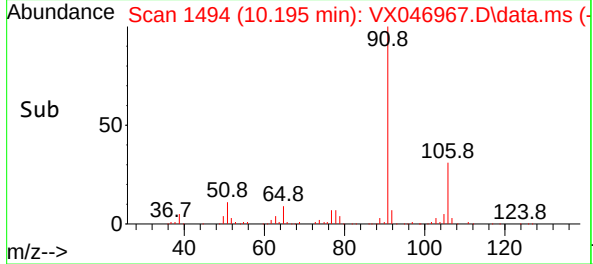
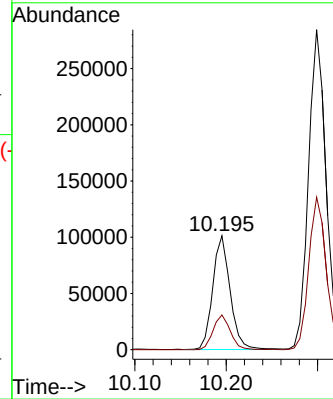
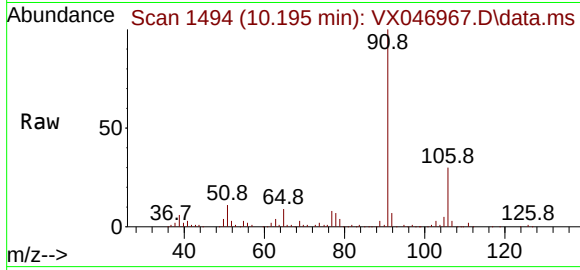
#67
Ethyl Benzene
Concen: 7.850 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX046967.D
Acq: 14 Jul 2025 12:49

Instrument :
MSVOA_X
ClientSampleId :
GPX2ME

Tgt Ion: 91 Resp: 133370
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

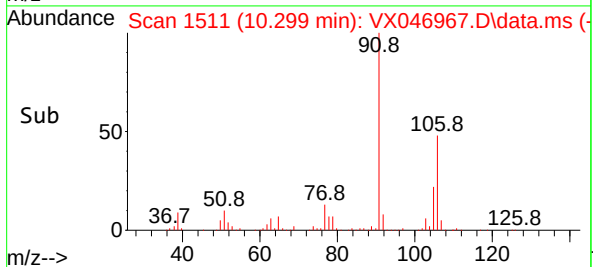
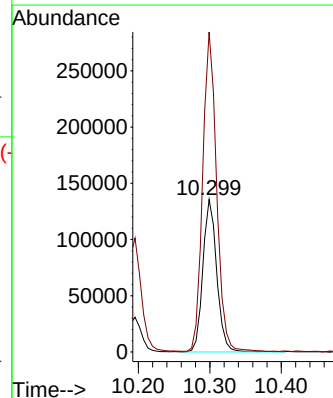
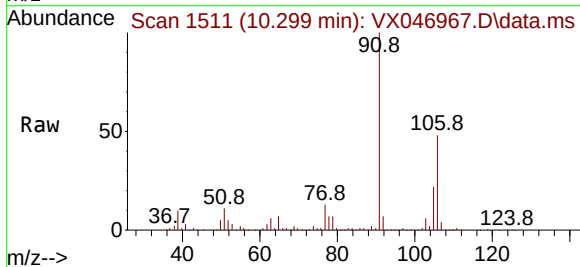
Manual Integrations
APPROVED

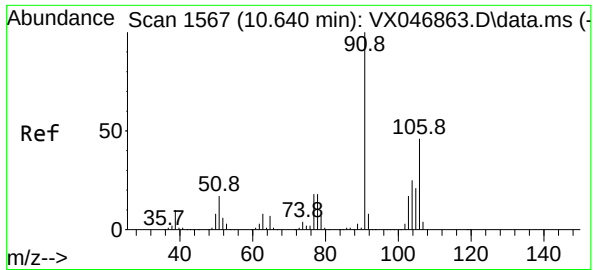
Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025



#68
m/p-Xylenes
Concen: 28.553 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046967.D
Acq: 14 Jul 2025 12:49

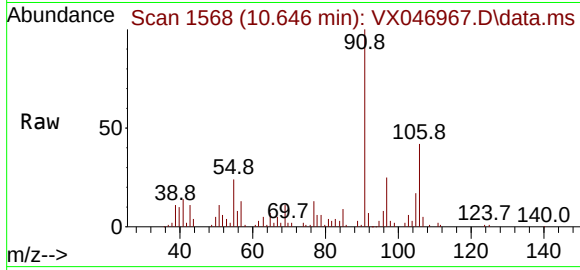
Tgt Ion:106 Resp: 182808
Ion Ratio Lower Upper
106 100
91 209.0 164.6 246.8





#69
o-Xylene
Concen: 1.532 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046967.D
Acq: 14 Jul 2025 12:49

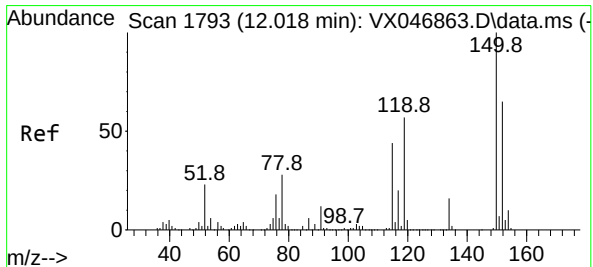
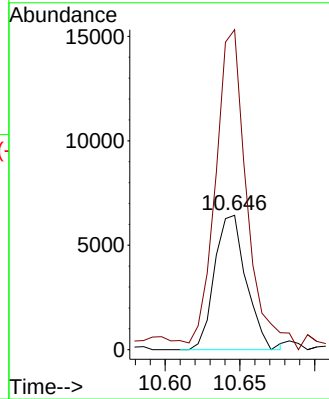
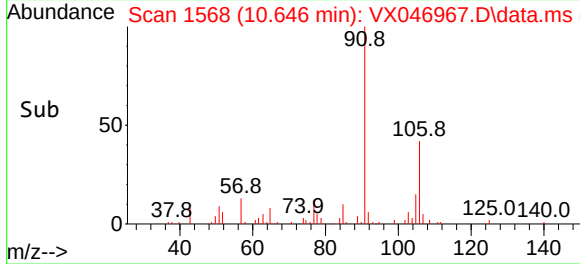
Instrument :
MSVOA_X
ClientSampleId :
GPX2ME



Tgt Ion:106 Resp: 9474
Ion Ratio Lower Upper
106 100
91 235.5 109.5 328.5

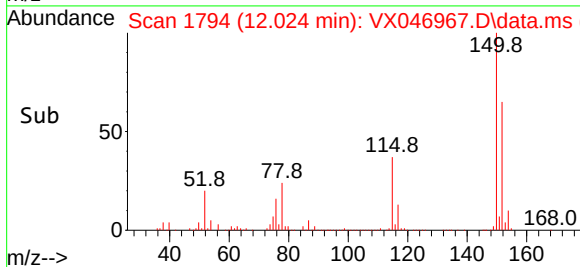
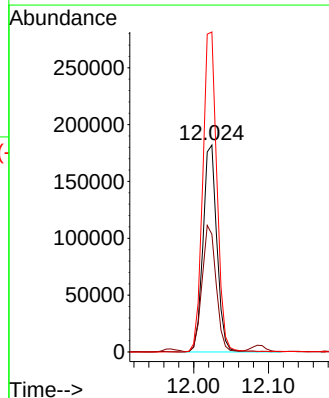
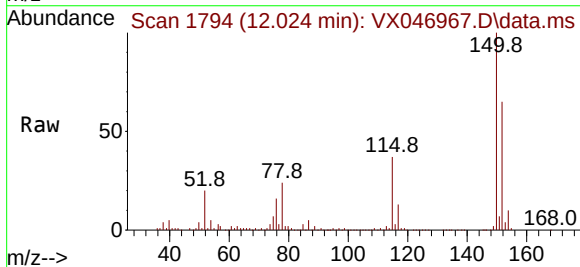
Manual Integrations
APPROVED

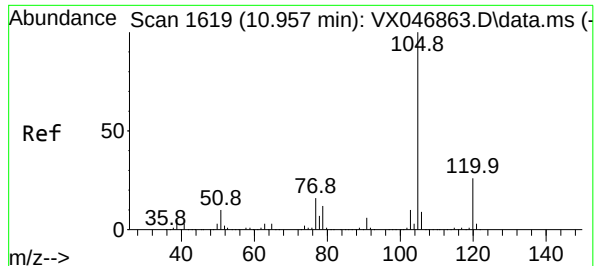
Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX046967.D
Acq: 14 Jul 2025 12:49

Tgt Ion:152 Resp: 234758
Ion Ratio Lower Upper
152 100
115 61.8 42.4 127.1
150 157.4 0.0 349.2





#73

Isopropylbenzene

Concen: 2.471 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

GPX2ME

Tgt Ion:105 Resp: 40770

Ion Ratio Lower Upper

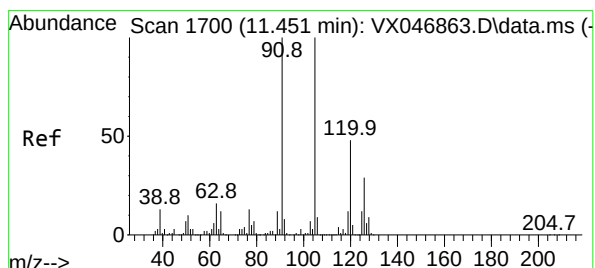
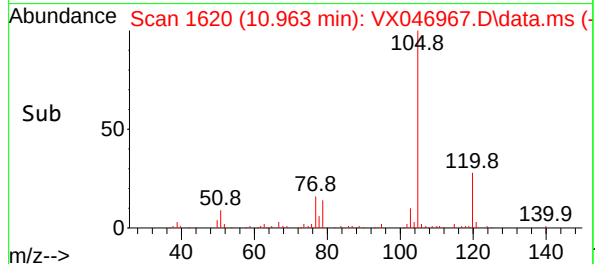
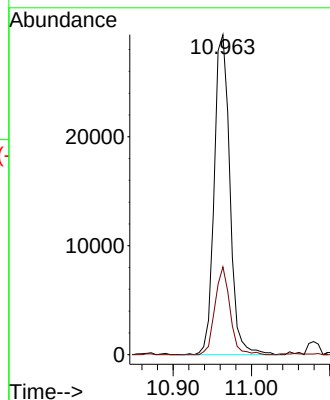
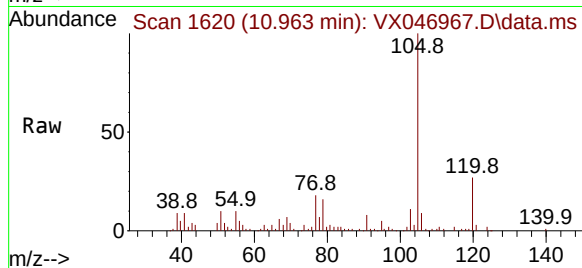
105 100

120 26.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
 Supervised By :Semsettin Yesilyurt 07/15/2025



#80

1,3,5-Trimethylbenzene

Concen: 16.259 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046967.D

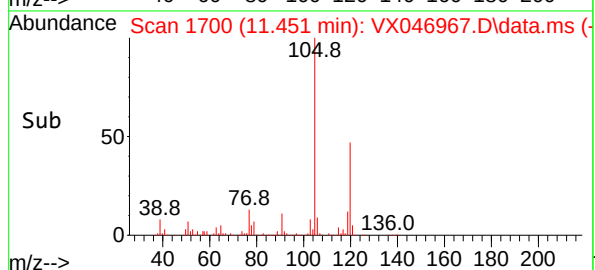
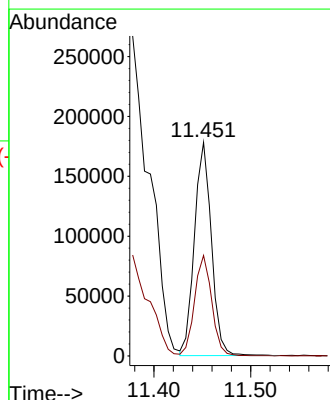
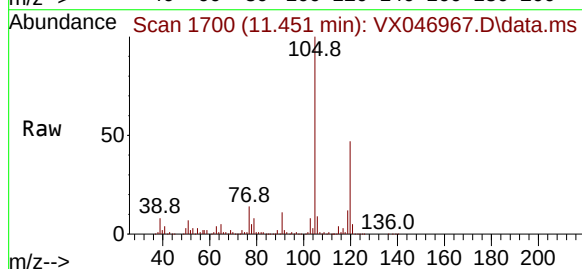
Acq: 14 Jul 2025 12:49

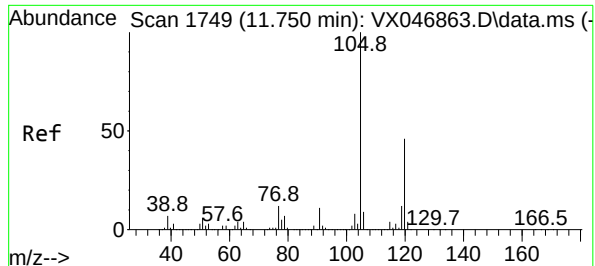
Tgt Ion:105 Resp: 218024

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 43.962 ug/l

RT: 11.750 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

GPX2ME

Tgt Ion:105 Resp: 59584

Ion Ratio Lower Upper

105 100

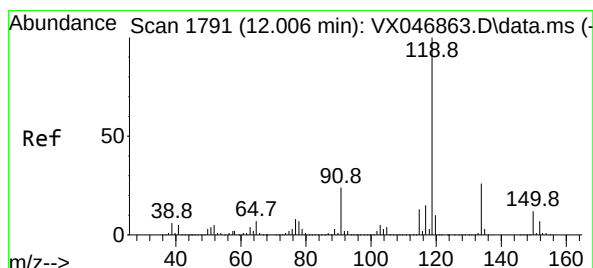
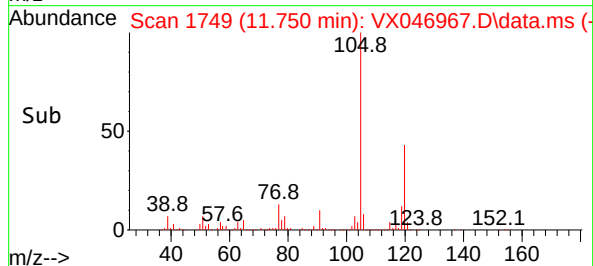
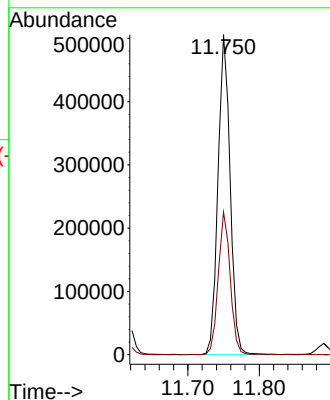
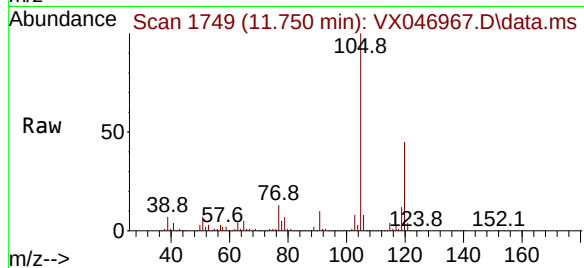
120 44.0 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025

Supervised By :Semsettin Yesilyurt 07/15/2025



#86

p-Isopropyltoluene

Concen: 2.081 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

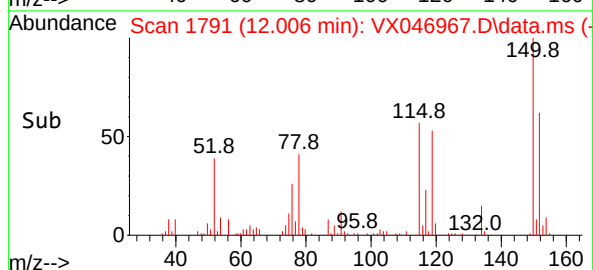
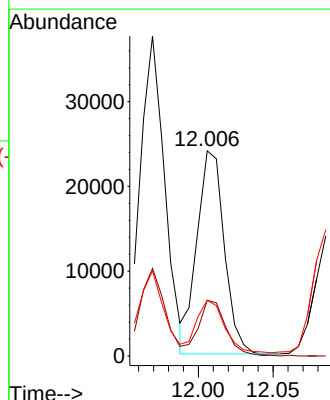
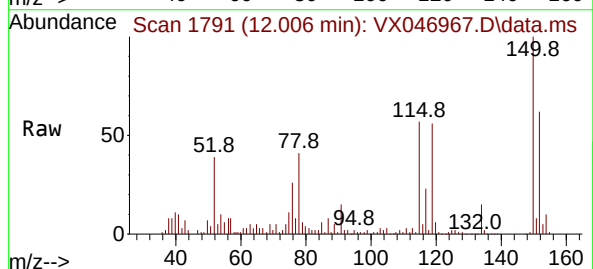
Tgt Ion:119 Resp: 30435

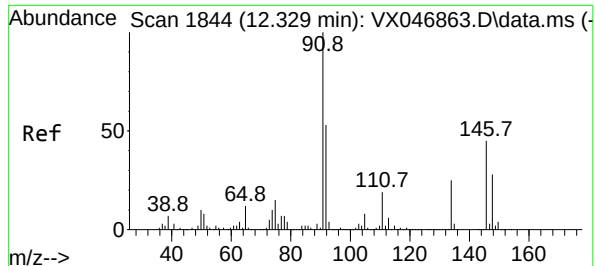
Ion Ratio Lower Upper

119 100

134 27.8 13.0 39.0

91 26.4 12.0 36.1





#89

n-Butylbenzene

Concen: 3.237 ug/l m

RT: 12.323 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

Instrument :

MSVOA_X

ClientSampleId :

GPX2ME

Tgt Ion: 91 Resp: 44480

Ion Ratio Lower Upper

91 100

92 52.0 27.0 81.0

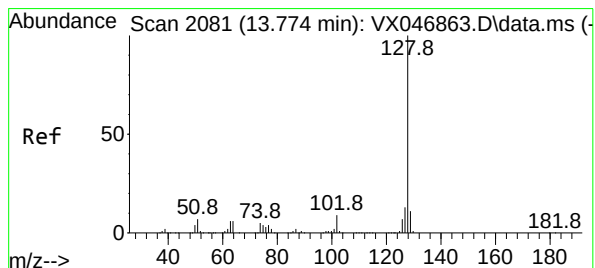
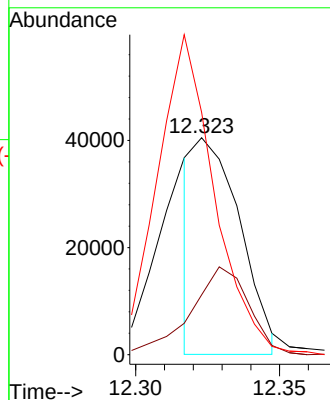
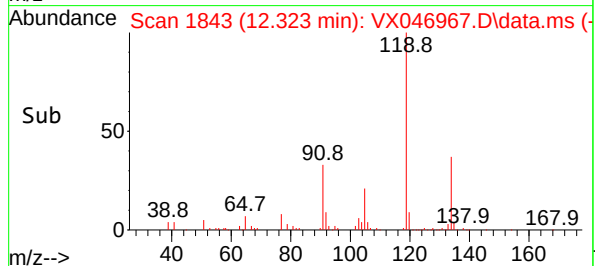
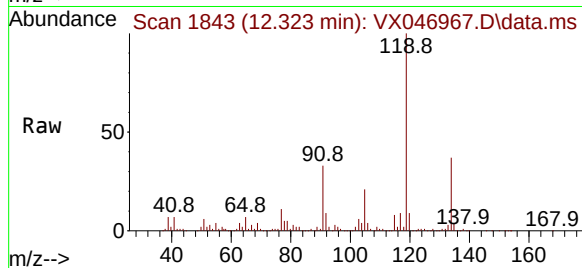
134 184.1 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025

Supervised By :Semsettin Yesilyurt 07/15/2025



#95

Naphthalene

Concen: 8.399 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX046967.D

Acq: 14 Jul 2025 12:49

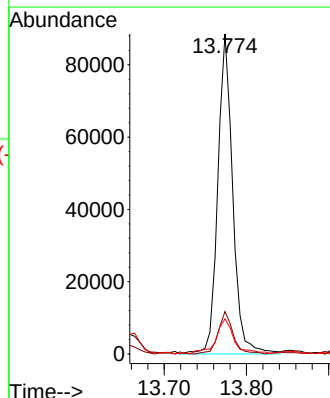
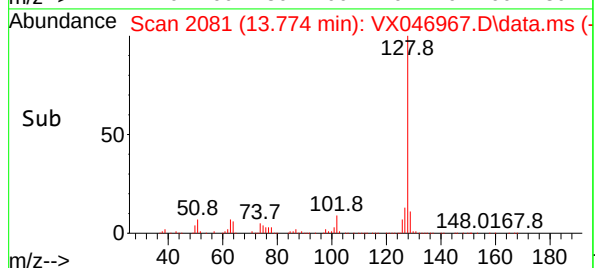
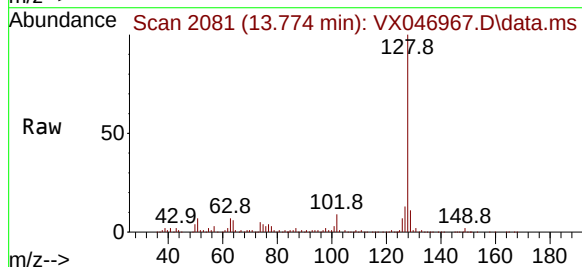
Tgt Ion:128 Resp: 112016

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 12.4 8.6 13.0



Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX3	SDG No.:	Q2480
Lab Sample ID:	Q2480-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.7
Sample Wt/Vol:	6.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022984.D	1	07/08/25 18:34	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.92	U	0.92	4.10	ug/Kg
74-87-3	Chloromethane	0.92	U	0.92	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	4.10	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.3	ug/Kg
75-15-0	Carbon Disulfide	0.86	U	0.86	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.10	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.10	ug/Kg
75-09-2	Methylene Chloride	9.00	Q	2.90	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.10	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	4.10	ug/Kg
74-97-5	Bromochloromethane	0.93	U	0.93	4.10	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.74	U	0.74	4.10	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	0.64	4.10	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.74	U	0.74	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.3	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.10	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX3	SDG No.:	Q2480
Lab Sample ID:	Q2480-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.7
Sample Wt/Vol:	6.95	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
Prep Method :	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022984.D	1	07/08/25 18:34	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.3	ug/Kg
124-48-1	Dibromochloromethane	0.71	U	0.71	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.71	U	0.71	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.85	U	0.85	4.10	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.10	ug/Kg
95-47-6	o-Xylene	0.67	U	0.67	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.98	U	0.98	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.9	63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6	70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	51.3	74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.4	17 - 146	119%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	293000	7.707
540-36-3	1,4-Difluorobenzene	554000	8.616
3114-55-4	Chlorobenzene-d5	566000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	268000	13.34

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX3	SDG No.:	Q2480
Lab Sample ID:	Q2480-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.7
Sample Wt/Vol:	6.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022984.D	1	07/08/25 18:34	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-67-8	1,3,5-Trimethylbenzene	1.00	J		12.7	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022984.D
 Acq On : 08 Jul 2025 18:34
 Operator : SY/MD
 Sample : Q2480-03
 Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX3

Quant Time: Jul 09 02:35:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

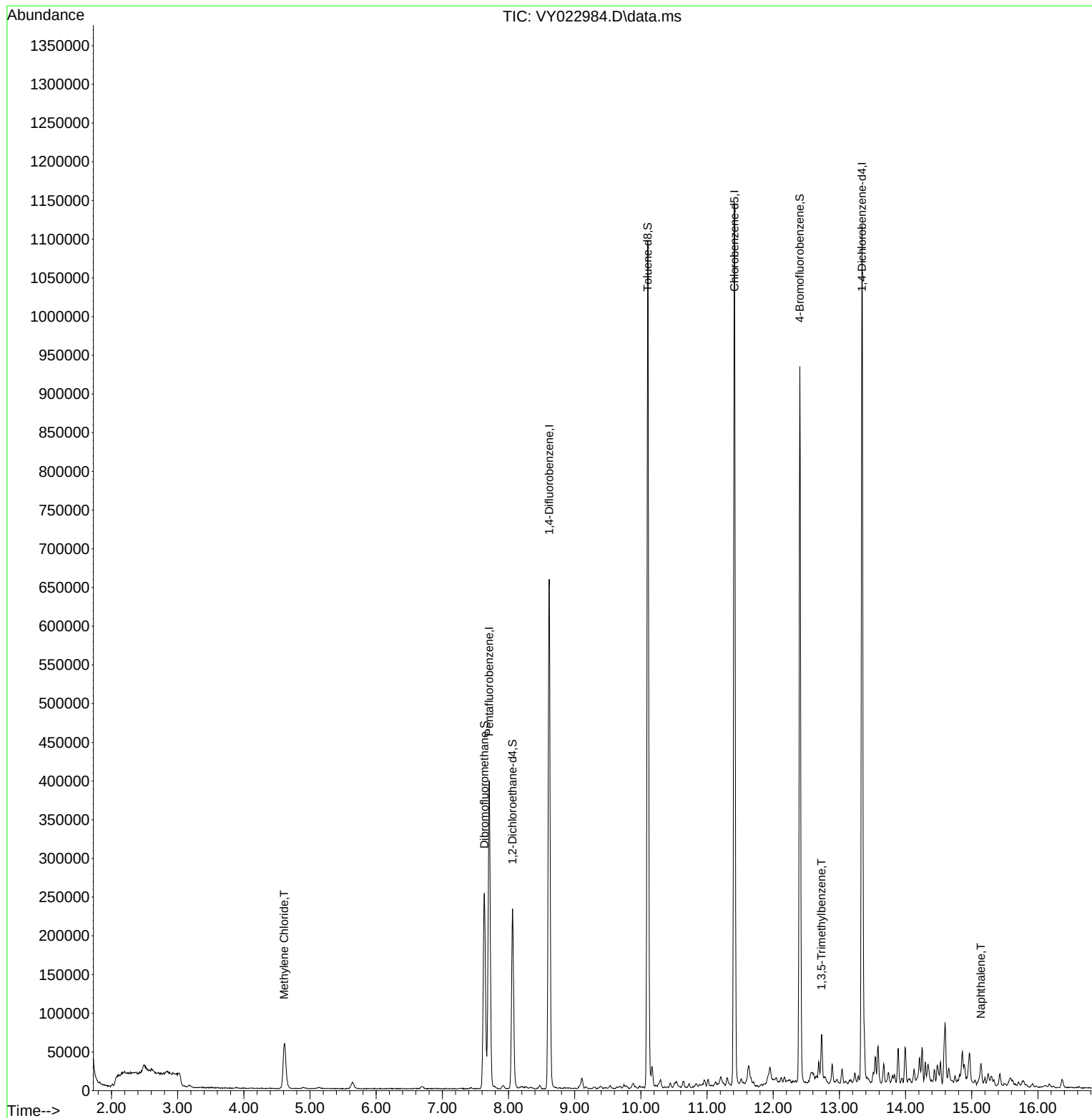
Internal Standards						
1) Pentafluorobenzene	7.707	168	292899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	566452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	267602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	176246	53.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.820%	
35) Dibromofluoromethane	7.634	113	176908	52.553	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.100%	
50) Toluene-d8	10.103	98	685048	51.285	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.402	95	255010	59.386	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.780%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	43485	11.144	ug/l	# 90
80) 1,3,5-Trimethylbenzene	12.731	105	19925	1.247	ug/l	100
95) Naphthalene	15.139	128	20142	2.485	ug/l	96

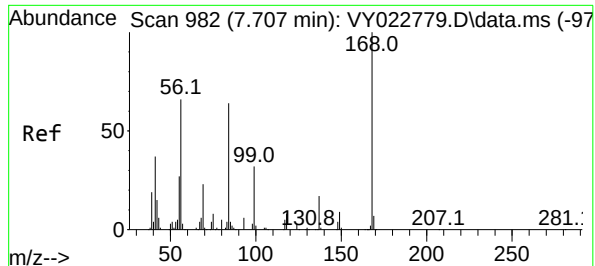
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022984.D
Acq On : 08 Jul 2025 18:34
Operator : SY/MD
Sample : Q2480-03
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX3

Quant Time: Jul 09 02:35:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

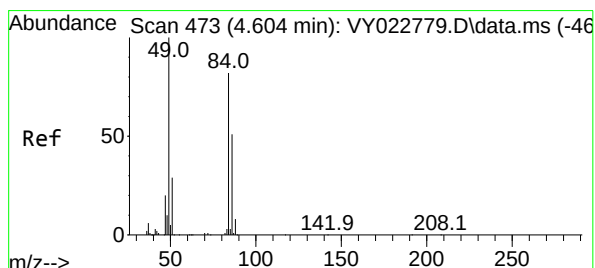
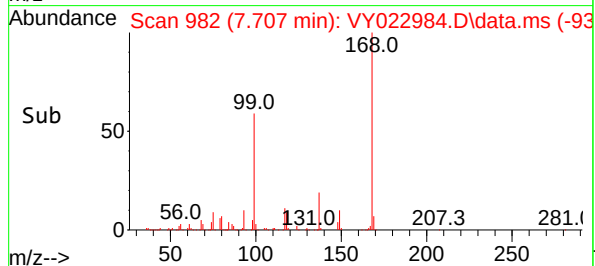
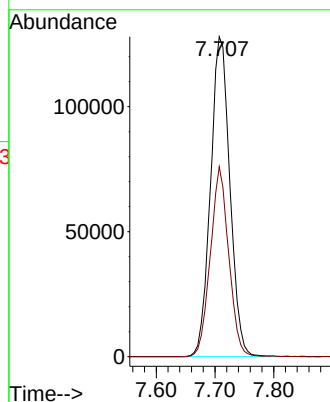
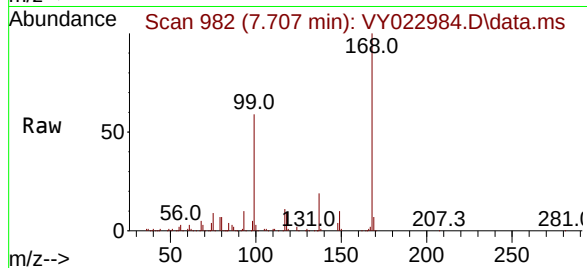




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

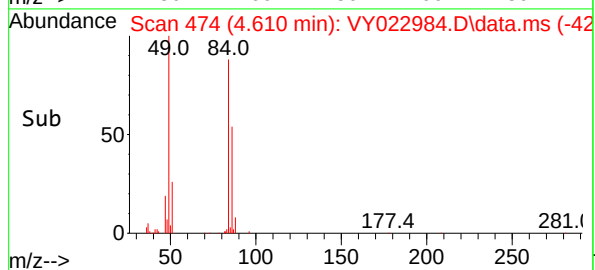
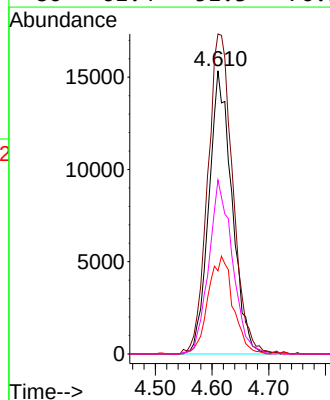
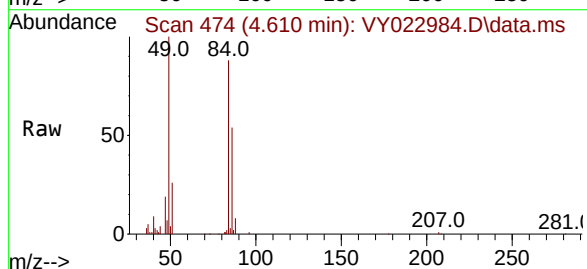
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

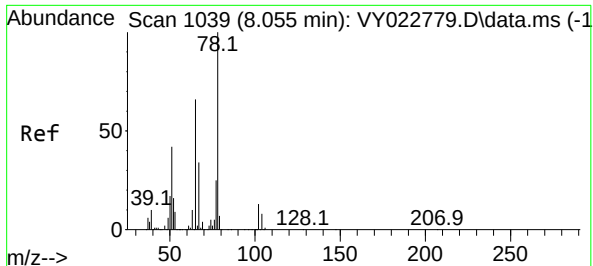
Tgt Ion:168 Resp: 292899
Ion Ratio Lower Upper
168 100
99 59.3 44.3 66.5



#20
Methylene Chloride
Concen: 11.144 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion: 84 Resp: 43485
Ion Ratio Lower Upper
84 100
49 113.0 101.9 152.9
51 29.3 29.8 44.8#
86 61.4 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 53.914 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY022984.D

Acq: 08 Jul 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

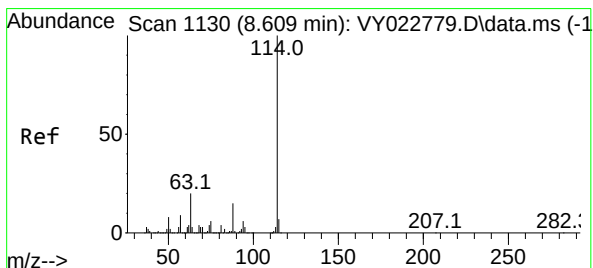
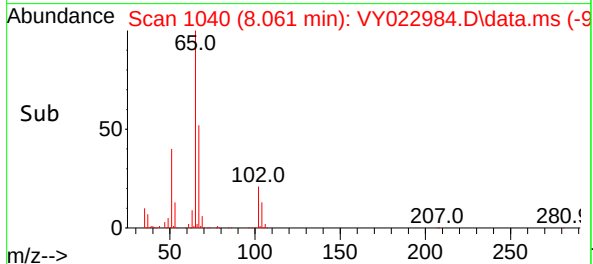
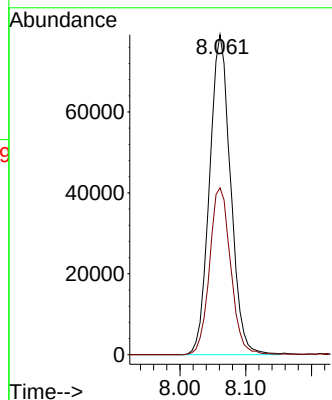
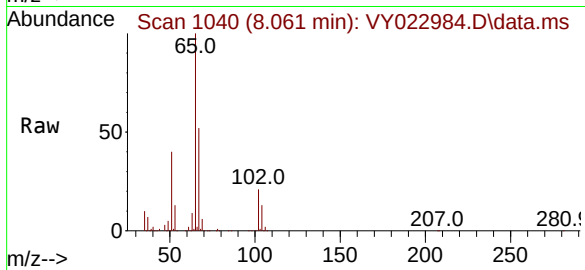
GPX3

Tgt Ion: 65 Resp: 176246

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022984.D

Acq: 08 Jul 2025 18:34

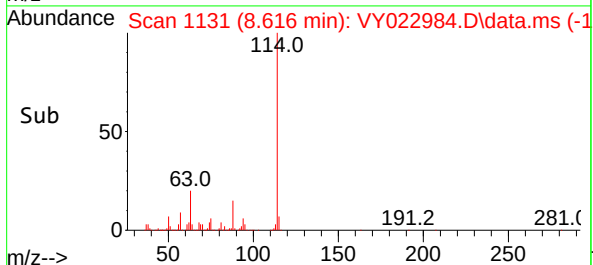
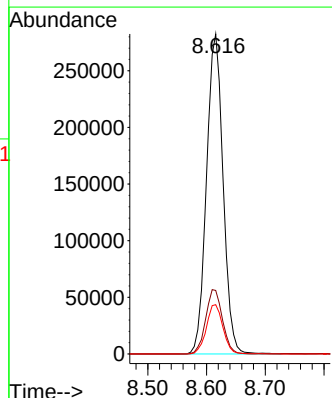
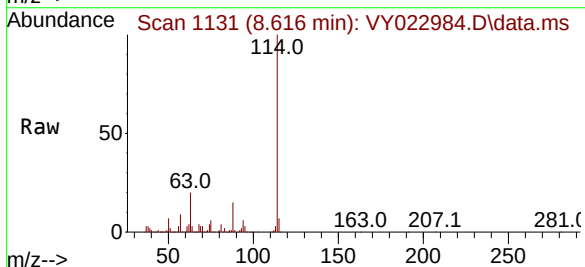
Tgt Ion: 114 Resp: 553522

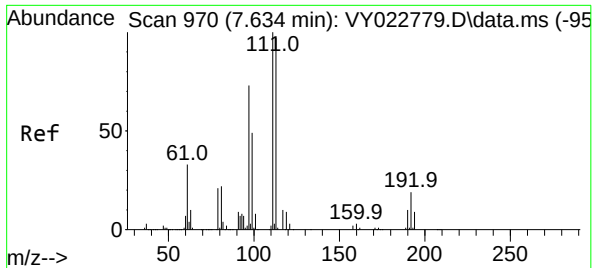
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.4 0.0 27.8





#35

Dibromofluoromethane

Concen: 52.553 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022984.D

Acq: 08 Jul 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

GPX3

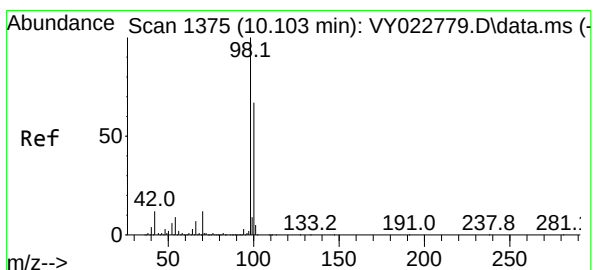
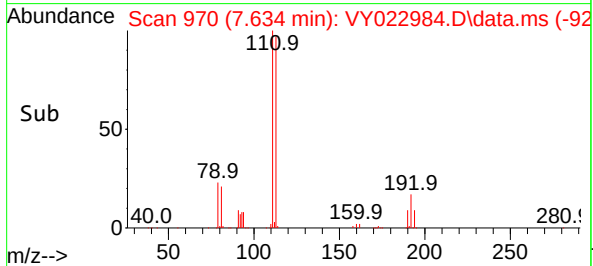
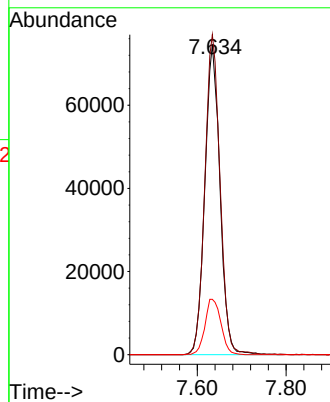
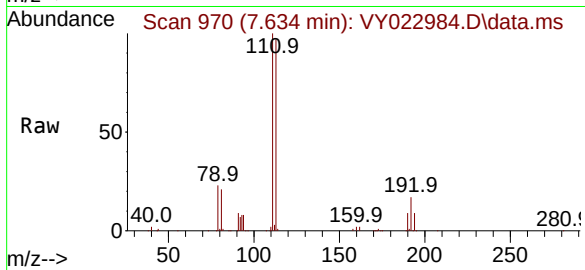
Tgt Ion:113 Resp: 176908

Ion Ratio Lower Upper

113 100

111 103.8 81.1 121.7

192 19.0 14.2 21.2



#50

Toluene-d8

Concen: 51.285 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022984.D

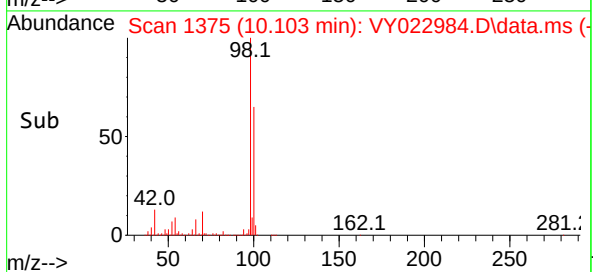
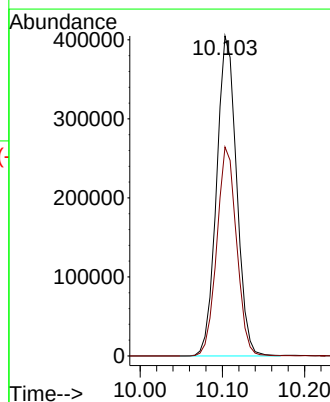
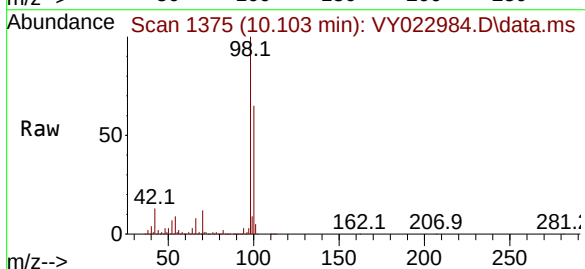
Acq: 08 Jul 2025 18:34

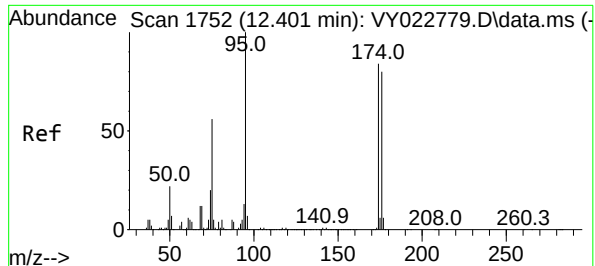
Tgt Ion: 98 Resp: 685048

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

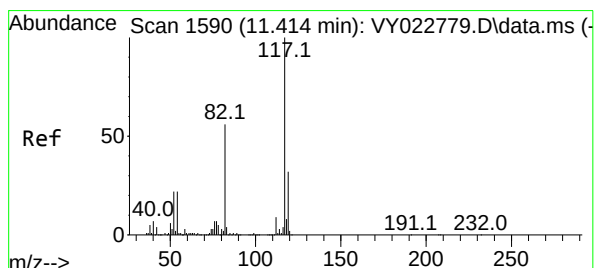
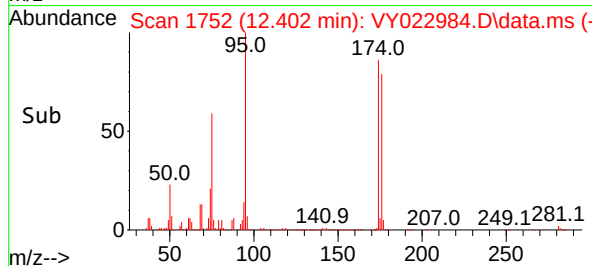
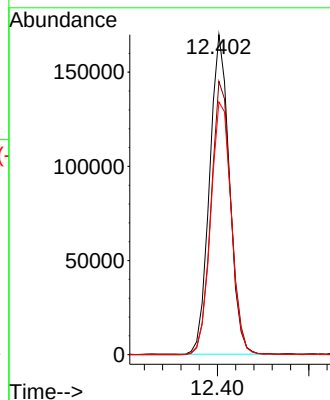
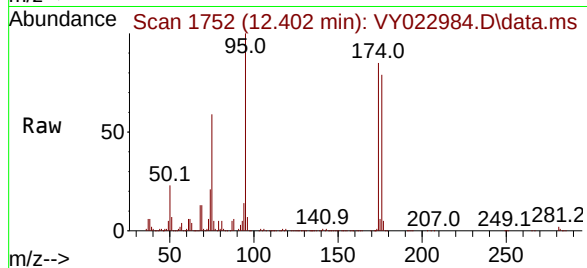




#62
4-Bromofluorobenzene
Concen: 59.386 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

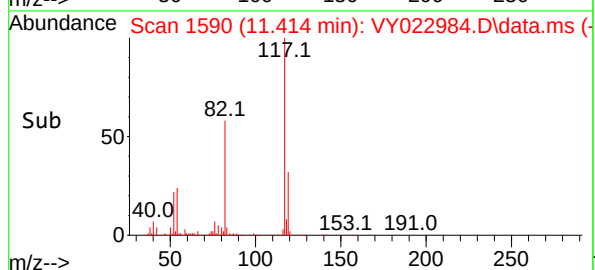
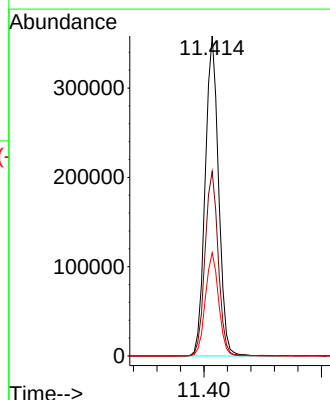
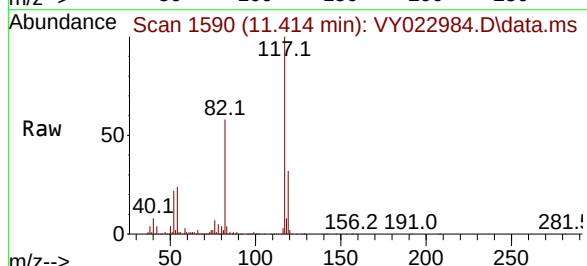
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

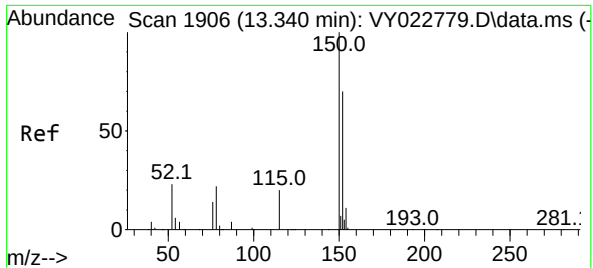
Tgt Ion: 95 Resp: 255010
Ion Ratio Lower Upper
95 100
174 86.3 0.0 170.0
176 82.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion: 117 Resp: 566452
Ion Ratio Lower Upper
117 100
82 57.6 44.6 66.8
119 32.3 25.4 38.0

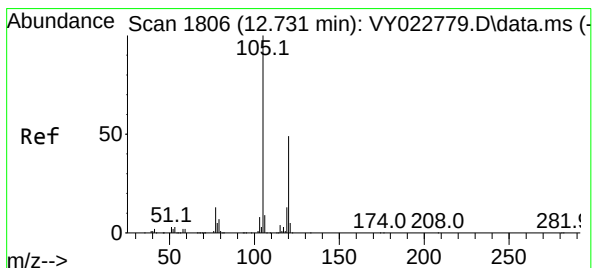
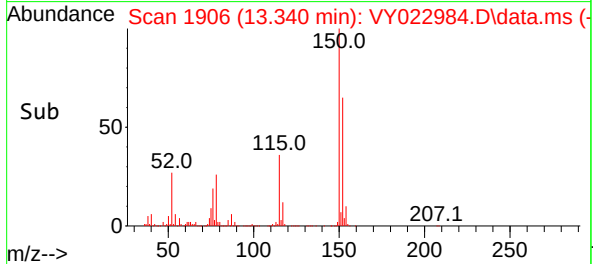
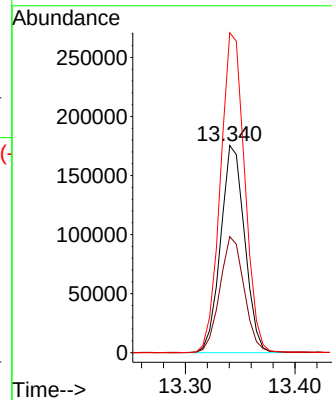
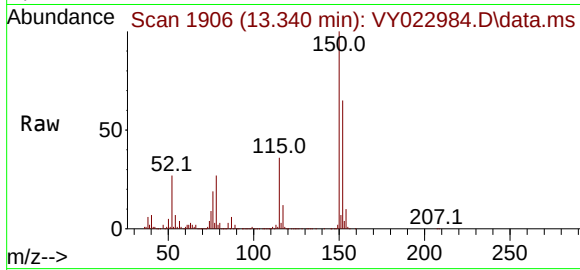




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

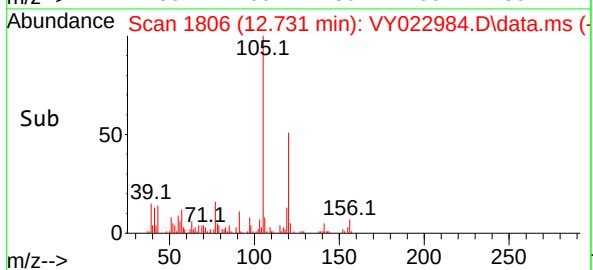
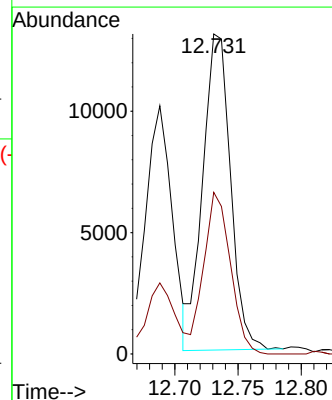
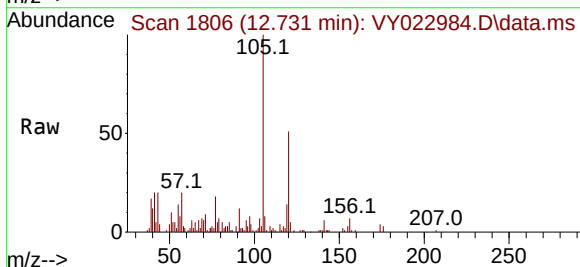
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

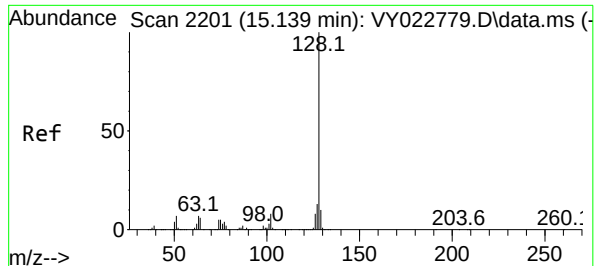
Tgt Ion:152 Resp: 267602
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.7
150 155.8 0.0 349.6



#80
1,3,5-Trimethylbenzene
Concen: 1.247 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion:105 Resp: 19925
Ion Ratio Lower Upper
105 100
120 48.4 24.1 72.4





#95

Naphthalene

Concen: 2.485 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY022984.D

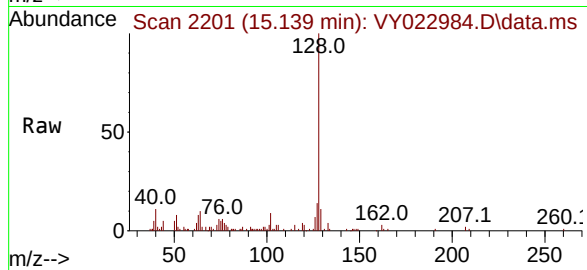
Acq: 08 Jul 2025 18:34

Instrument :

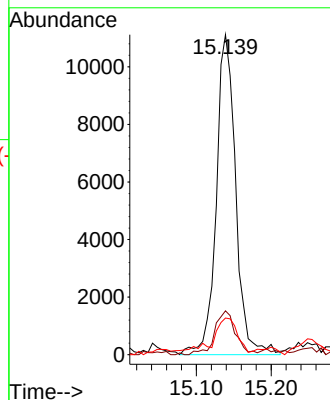
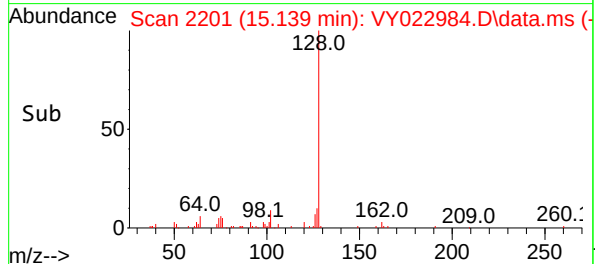
MSVOA_Y

ClientSampleId :

GPX3



Tgt Ion:	128	Resp:	20142
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.4	15.6
129	12.7	8.9	13.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022984.D
 Acq On : 08 Jul 2025 18:34
 Operator : SY/MD
 Sample : Q2480-03
 Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX3

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022984.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	59	rBV5	11305	19912	1.07%	0.165%
2	4.616	465	475	495	rVB2	58377	183862	9.87%	1.522%
3	5.641	635	643	651	rBV5	7804	21974	1.18%	0.182%
4	7.634	959	970	976	rBV	252779	607035	32.57%	5.023%
5	7.707	976	982	995	rVB	396120	884827	47.48%	7.322%
6	8.061	1031	1040	1053	rBV2	232161	510513	27.39%	4.225%
7	8.616	1121	1131	1145	rBV	658363	1320728	70.87%	10.929%
8	9.109	1201	1212	1217	rBV3	13724	35049	1.88%	0.290%
9	10.103	1367	1375	1383	rBV	1095547	1863656	100.00%	15.422%
10	10.170	1383	1386	1392	rVB	25709	43536	2.34%	0.360%
11	10.298	1399	1407	1413	rVB7	10544	26106	1.40%	0.216%
12	11.207	1551	1556	1567	rVB9	11392	31239	1.68%	0.259%
13	11.304	1567	1572	1577	rBV4	10238	18996	1.02%	0.157%
14	11.414	1582	1590	1602	rBV	1140324	1815373	97.41%	15.023%
15	11.627	1616	1625	1634	rBV6	23072	65644	3.52%	0.543%
16	11.950	1667	1678	1685	rBV3	21899	71706	3.85%	0.593%
17	12.402	1746	1752	1763	rVB	924713	1424346	76.43%	11.787%
18	12.578	1772	1781	1782	rBV9	12633	25654	1.38%	0.212%
19	12.688	1796	1799	1802	rBV	20324	26710	1.43%	0.221%
20	12.731	1802	1806	1813	rVB2	55984	83522	4.48%	0.691%
21	12.889	1825	1832	1837	rBV	24697	41506	2.23%	0.343%
22	13.042	1852	1857	1861	rBV2	18379	28956	1.55%	0.240%
23	13.340	1900	1906	1917	rBV	1102940	1757894	94.33%	14.547%
24	13.542	1935	1939	1942	rVV2	32633	53189	2.85%	0.440%
25	13.584	1942	1946	1954	rVB3	47611	81905	4.39%	0.678%
26	13.670	1954	1960	1964	rBV5	24788	38752	2.08%	0.321%
27	13.743	1966	1972	1977	rVV2	13530	23996	1.29%	0.199%
28	13.889	1991	1996	2001	rVB3	45122	68203	3.66%	0.564%
29	13.993	2008	2013	2019	rBV	45252	72952	3.91%	0.604%
30	14.127	2030	2035	2040	rBV2	17199	29745	1.60%	0.246%
31	14.212	2040	2049	2052	rVV2	30742	60505	3.25%	0.501%
32	14.249	2052	2055	2059	rVV	44407	60295	3.24%	0.499%
33	14.298	2059	2063	2066	rVV2	25229	34473	1.85%	0.285%
34	14.340	2066	2070	2077	rVB4	21823	44420	2.38%	0.368%
35	14.432	2082	2085	2089	rVV	16503	22324	1.20%	0.185%
36	14.480	2089	2093	2098	rVV3	21783	45108	2.42%	0.373%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022984.D
Acq On : 08 Jul 2025 18:34
Operator : SY/MD
Sample : Q2480-03
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX3

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Title : SW846 8260

37	14.529	2098	2101	2105	rVB	27669	36362	1.95%	0.301%
38	14.596	2105	2112	2118	rBV3	79055	163211	8.76%	1.351%
39	14.651	2118	2121	2129	rVV4	17591	33796	1.81%	0.280%
40	14.858	2149	2155	2158	rBV3	31553	52603	2.82%	0.435%
41	14.962	2166	2172	2183	rVB3	38104	83814	4.50%	0.694%
42	15.139	2190	2201	2206	rBV	27963	66346	3.56%	0.549%
43	15.249	2214	2219	2223	rBV7	12178	22442	1.20%	0.186%
44	15.425	2240	2248	2256	rBV2	15403	28764	1.54%	0.238%
45	15.584	2265	2274	2278	rBV8	9836	28640	1.54%	0.237%
46	16.364	2396	2402	2409	rBV5	10769	23502	1.26%	0.194%

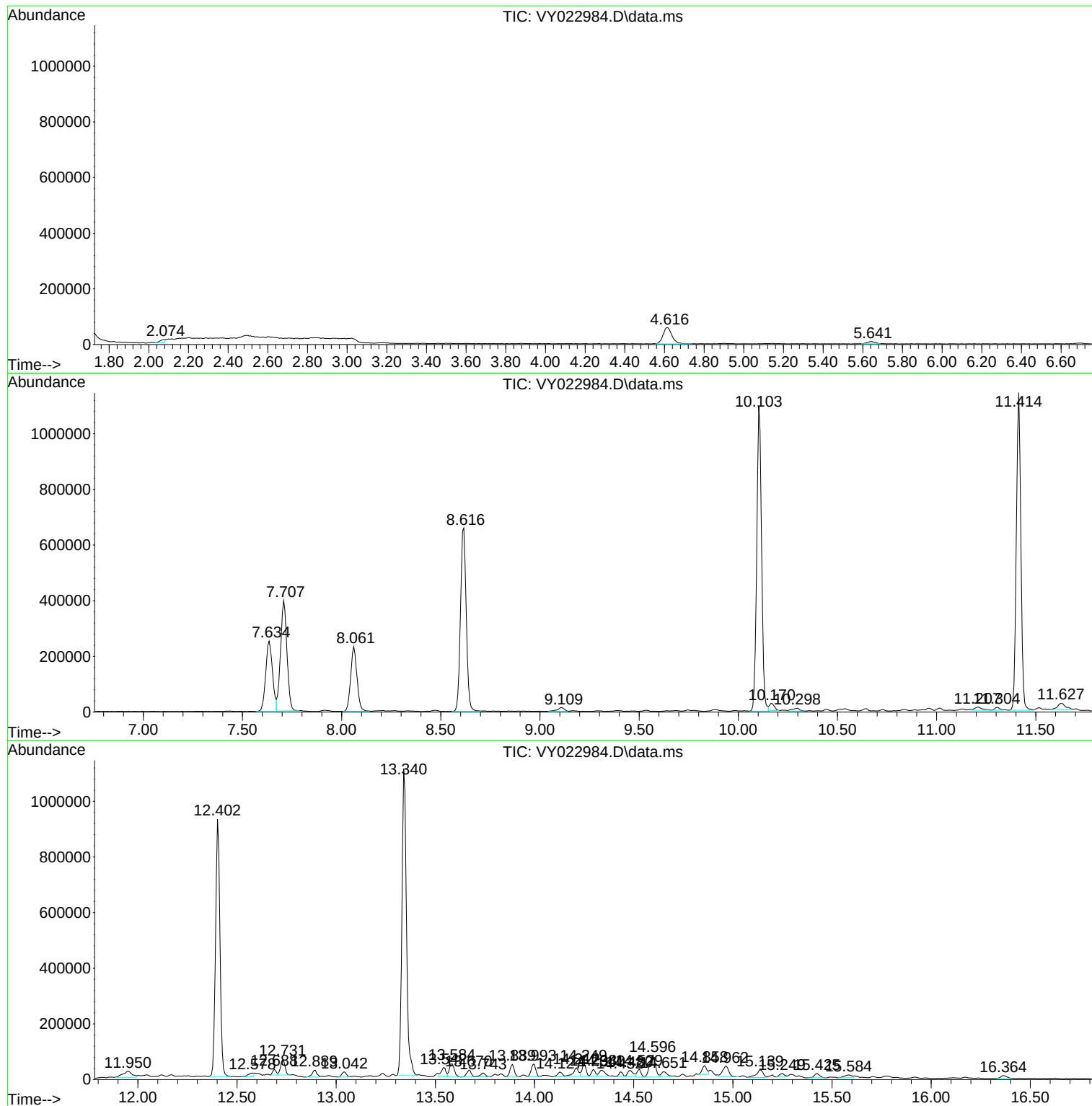
Sum of corrected areas: 12084091

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022984.D
Acq On : 08 Jul 2025 18:34
Operator : SY/MD
Sample : Q2480-03
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022984.D
Acq On : 08 Jul 2025 18:34
Operator : SY/MD
Sample : Q2480-03
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022984.D
Acq On : 08 Jul 2025 18:34
Operator : SY/MD
Sample : Q2480-03
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX3RE	SDG No.:	Q2480
Lab Sample ID:	Q2480-03RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.7
Sample Wt/Vol:	6.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031795.D	1	07/10/25 12:19	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	4.20	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.20	ug/Kg
74-83-9	Bromomethane	0.89	U	0.89	4.20	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.20	ug/Kg
67-64-1	Acetone	3.90	U	3.90	20.8	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.20	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	4.20	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.20	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.20	ug/Kg
74-97-5	Bromochloromethane	0.96	U	0.96	4.20	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.20	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.20	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.8	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.20	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX3RE		SDG No.:	Q2480	
Lab Sample ID:	Q2480-03RE		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	88.7	
Sample Wt/Vol:	6.78	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031795.D	1	07/10/25 12:19	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	20.8	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.20	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.20	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.20	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.9		63 - 155	78%	SPK: 50
1868-53-7	Dibromofluoromethane	37.7		70 - 134	75%	SPK: 50
2037-26-5	Toluene-d8	35.9	*	74 - 123	72%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.2		17 - 146	64%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	62800	7.959			
540-36-3	1,4-Difluorobenzene	120000	8.849			
3114-55-4	Chlorobenzene-d5	95400	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	38500	13.556			

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX3RE	SDG No.:	Q2480
Lab Sample ID:	Q2480-03RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.7
Sample Wt/Vol:	6.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031795.D	1	07/10/25 12:19	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031795.D
Acq On : 10 Jul 2025 12:19
Operator : SY/MD
Sample : Q2480-03RE
Misc : 6.78g/5mL/MSVOA_W/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

Quant Time: Jul 11 02:18:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	62804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	119782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	95395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	38547	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	35039	38.876	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	77.760%
35) Dibromofluoromethane	7.898	113	29482	37.719	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	75.440%
50) Toluene-d8	10.325	98	104494	35.924	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	71.840%#
62) 4-Bromofluorobenzene	12.617	95	34441	32.175	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	64.360%

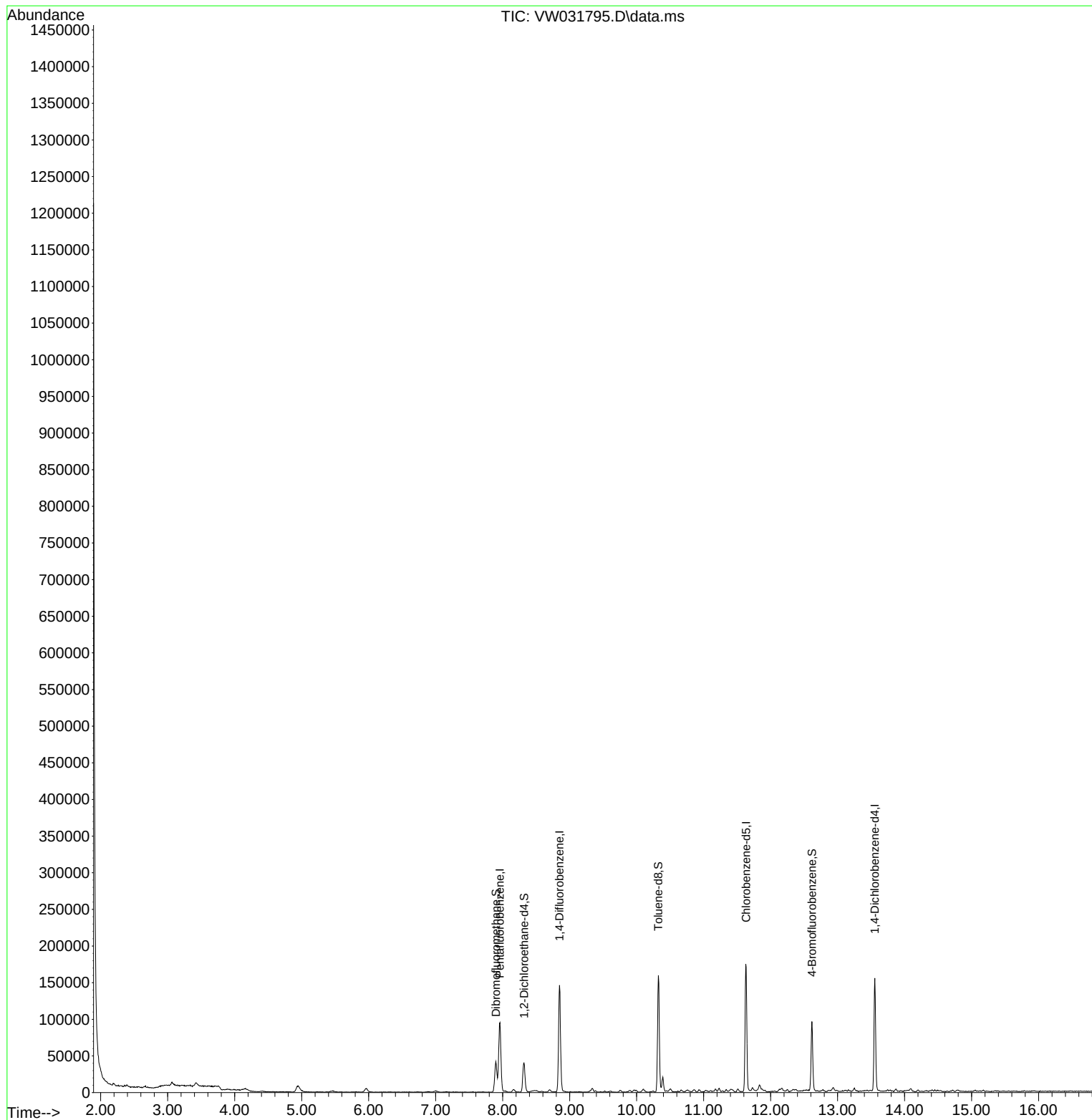
Target Compounds	Qvalue

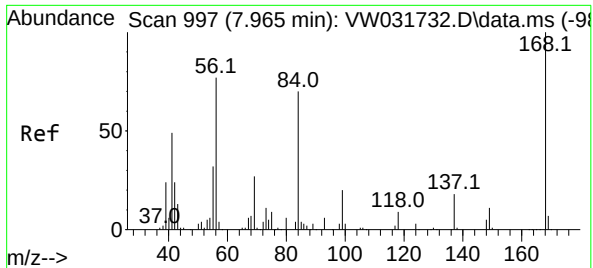
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031795.D
Acq On : 10 Jul 2025 12:19
Operator : SY/MD
Sample : Q2480-03RE
Misc : 6.78g/5mL/MSVOA_W/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

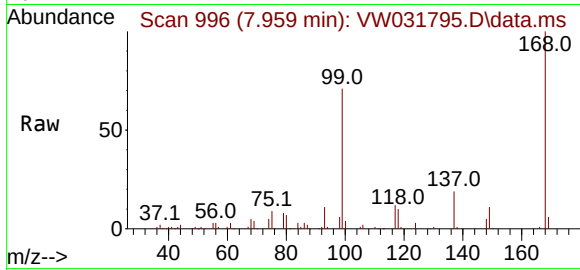
Quant Time: Jul 11 02:18:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



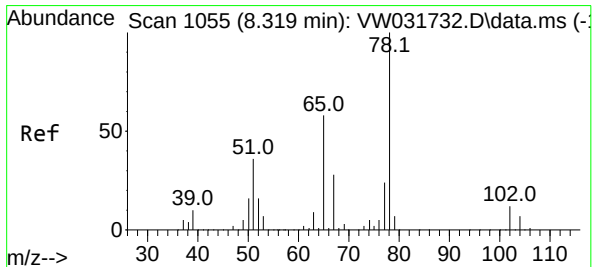
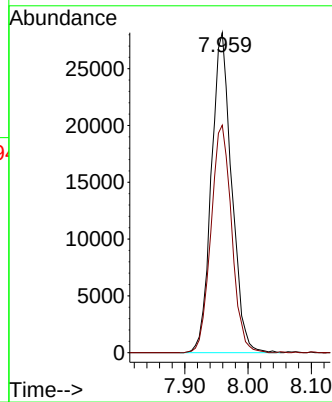
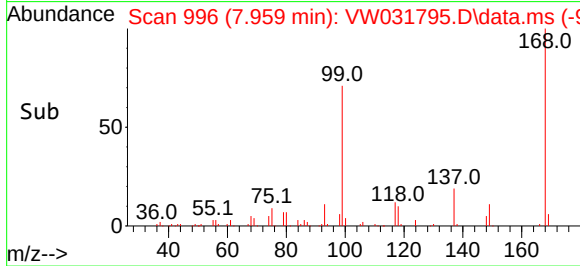


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

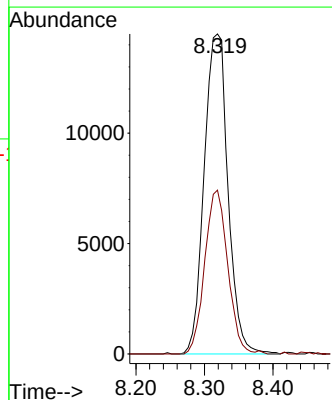
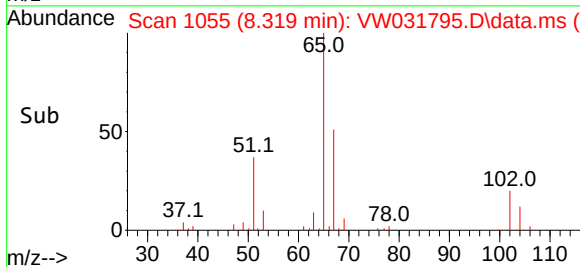
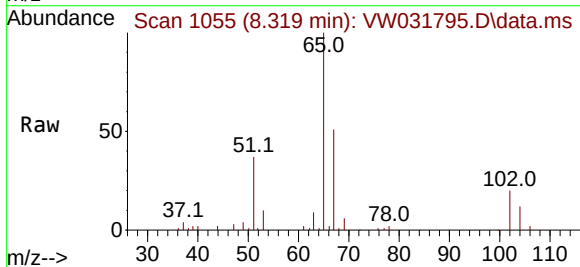


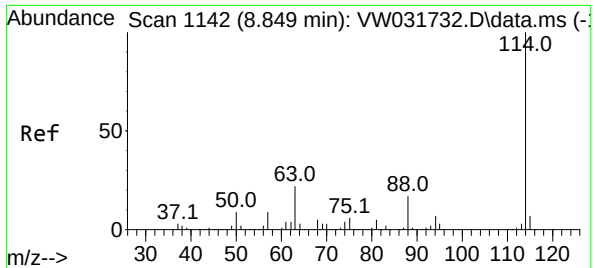
Tgt Ion:168 Resp: 62804
Ion Ratio Lower Upper
168 100
99 71.1 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 38.876 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion: 65 Resp: 35039
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.4

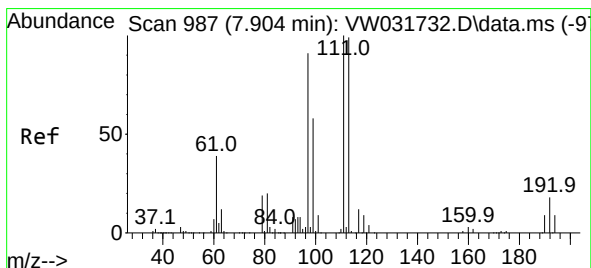
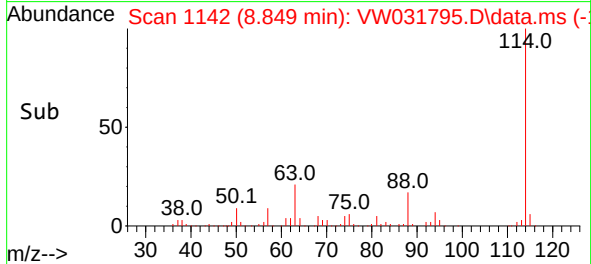
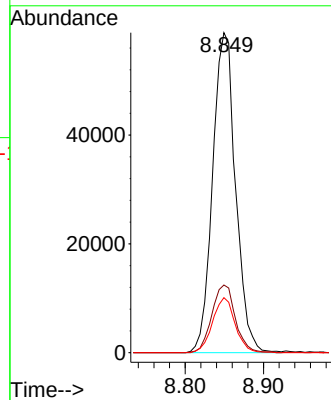
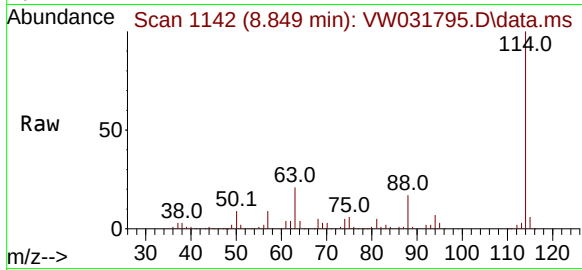




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

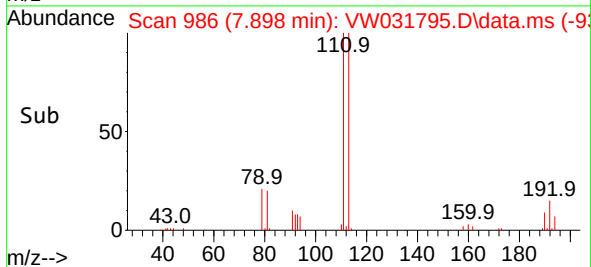
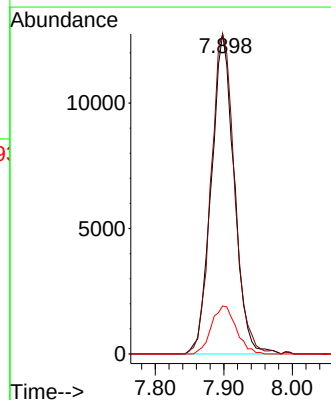
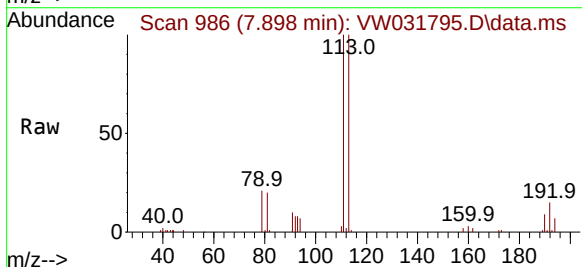
Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

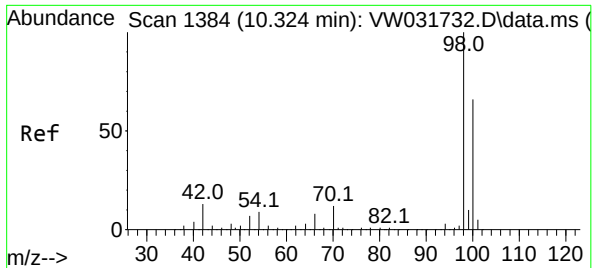
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.6
88	17.2	0.0	34.2



#35
Dibromofluoromethane
Concen: 37.719 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	16.2	13.8	20.6

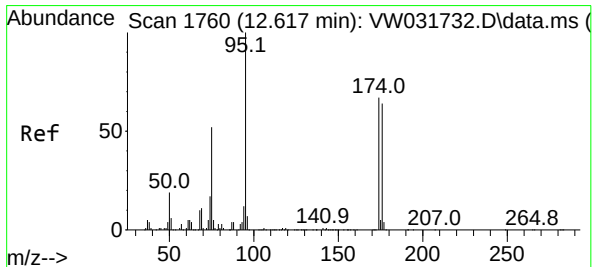
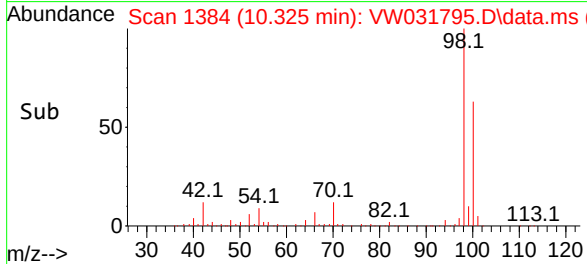
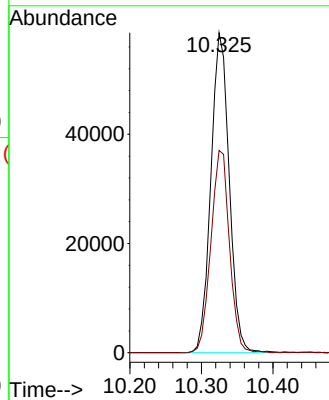
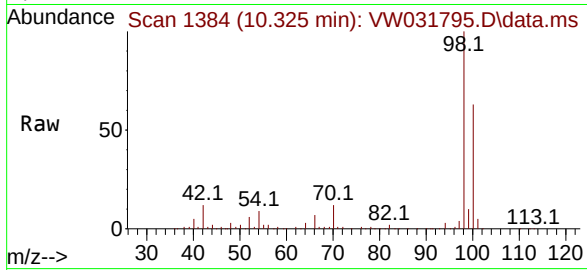




#50
Toluene-d8
Concen: 35.924 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

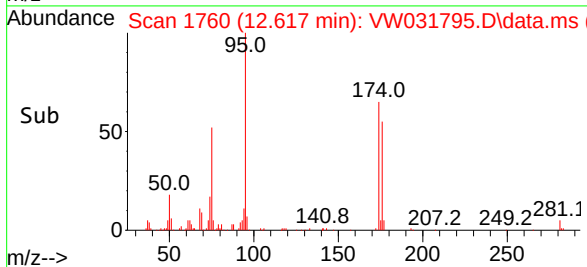
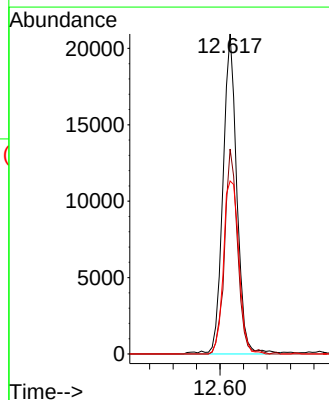
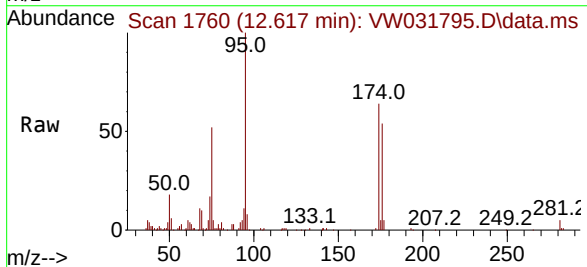
Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

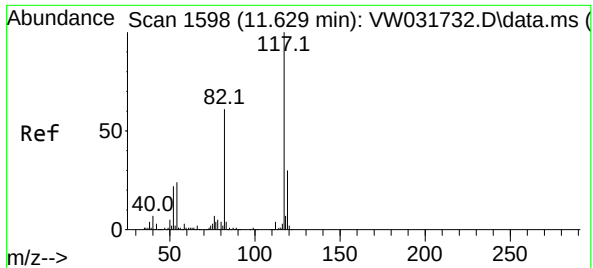
Tgt Ion: 98 Resp: 104494
Ion Ratio Lower Upper
98 100
100 63.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 32.175 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion: 95 Resp: 34441
Ion Ratio Lower Upper
95 100
174 59.7 0.0 133.8
176 59.9 0.0 126.0

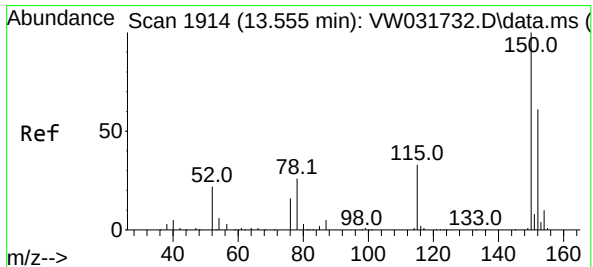
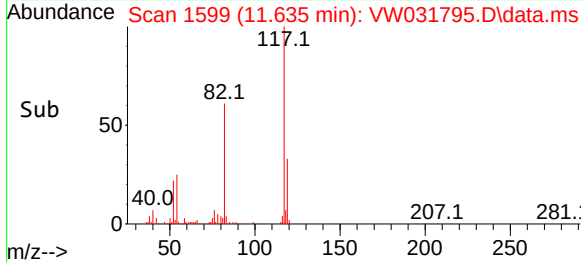
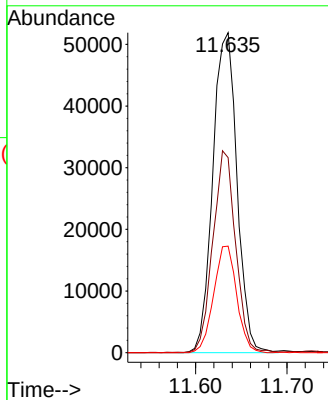
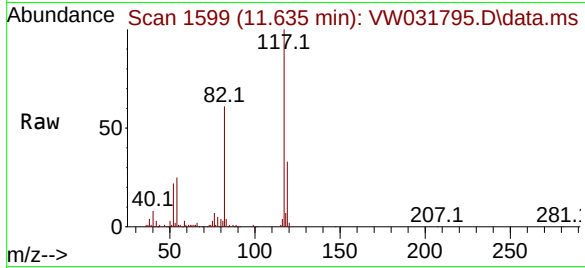




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11599
Delta R.T. 0.006 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

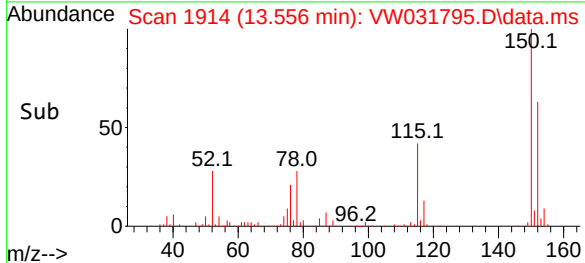
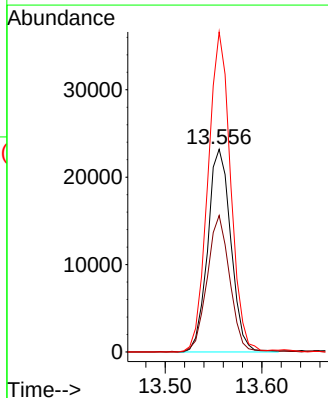
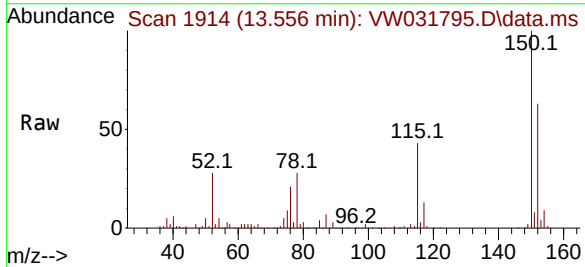
Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.6	72.8
119	33.3	23.9	35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	31.9	95.7
150	154.4	0.0	356.4



Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX4	SDG No.:	Q2480
Lab Sample ID:	Q2480-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.9
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031796.D	1	07/10/25 12:41	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	0.88	3.90	ug/Kg
74-87-3	Chloromethane	0.88	U	0.88	3.90	ug/Kg
75-01-4	Vinyl Chloride	0.61	U	0.61	3.90	ug/Kg
74-83-9	Bromomethane	0.83	U	0.83	3.90	ug/Kg
75-00-3	Chloroethane	0.98	U	0.98	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.94	U	0.94	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.82	U	0.82	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.77	U	0.77	3.90	ug/Kg
67-64-1	Acetone	16.6	J	3.70	19.3	ug/Kg
75-15-0	Carbon Disulfide	0.82	U	0.82	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	3.90	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.90	ug/Kg
75-09-2	Methylene Chloride	7.60	J	2.70	7.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.67	U	0.67	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	3.90	ug/Kg
110-82-7	Cyclohexane	41.1		0.61	3.90	ug/Kg
78-93-3	2-Butanone	5.10	U	5.10	19.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.75	U	0.75	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.58	U	0.58	3.90	ug/Kg
74-97-5	Bromochloromethane	0.89	U	0.89	3.90	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.72	U	0.72	3.90	ug/Kg
108-87-2	Methylcyclohexane	43.0		0.70	3.90	ug/Kg
71-43-2	Benzene	4.20		0.61	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	3.90	ug/Kg
79-01-6	Trichloroethene	0.63	U	0.63	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.70	U	0.70	3.90	ug/Kg
75-27-4	Bromodichloromethane	0.60	U	0.60	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.80	U	2.80	19.3	ug/Kg
108-88-3	Toluene	10.7		0.60	3.90	ug/Kg

[illegible]

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX4	SDG No.:	Q2480
Lab Sample ID:	Q2480-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.9
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031796.D	1	07/10/25 12:41	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000110-54-3	n-Hexane	9.10	J		5.97	ug/Kg
004461-48-7	2-Pentene, 4-methyl-	6.90	J		6.32	ug/Kg
000096-37-7	Cyclopentane, methyl-	25.0	J		7.01	ug/Kg
000693-89-0	Cyclopentene, 1-methyl-	15.0	J		7.71	ug/Kg
000110-83-8	Cyclohexene	13.2	J		8.46	ug/Kg
000142-82-5	Heptane	6.20	J		8.70	ug/Kg
001528-22-9	Cyclobutane, (1-methylethylidene)-	10.2	J		9.86	ug/Kg
000591-49-1	Cyclohexene, 1-methyl-	14.6	J		10.2	ug/Kg
	unknown10.508	7.20	J		10.5	ug/Kg
000473-91-6	Cyclopentene, 1,2,3-trimethyl-	6.90	J		10.8	ug/Kg
103-65-1	n-propylbenzene	20.9	J		12.8	ug/Kg
000620-14-4	Benzene, 1-ethyl-3-methyl-	8.50	J		12.9	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	19.0	J		12.9	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	7.60	J		13.1	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	52.4	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	1.30	J		13.5	ug/Kg
000496-11-7	Indane	25.9	J		13.8	ug/Kg
000767-58-8	Indan, 1-methyl-	6.30	J		14.2	ug/Kg
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	8.50	J		14.8	ug/Kg
91-20-3	Naphthalene	60.9	J		15.4	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031796.D
 Acq On : 10 Jul 2025 12:41
 Operator : SY/MD
 Sample : Q2480-04
 Misc : 7.35g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX4

Quant Time: Jul 11 02:18:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

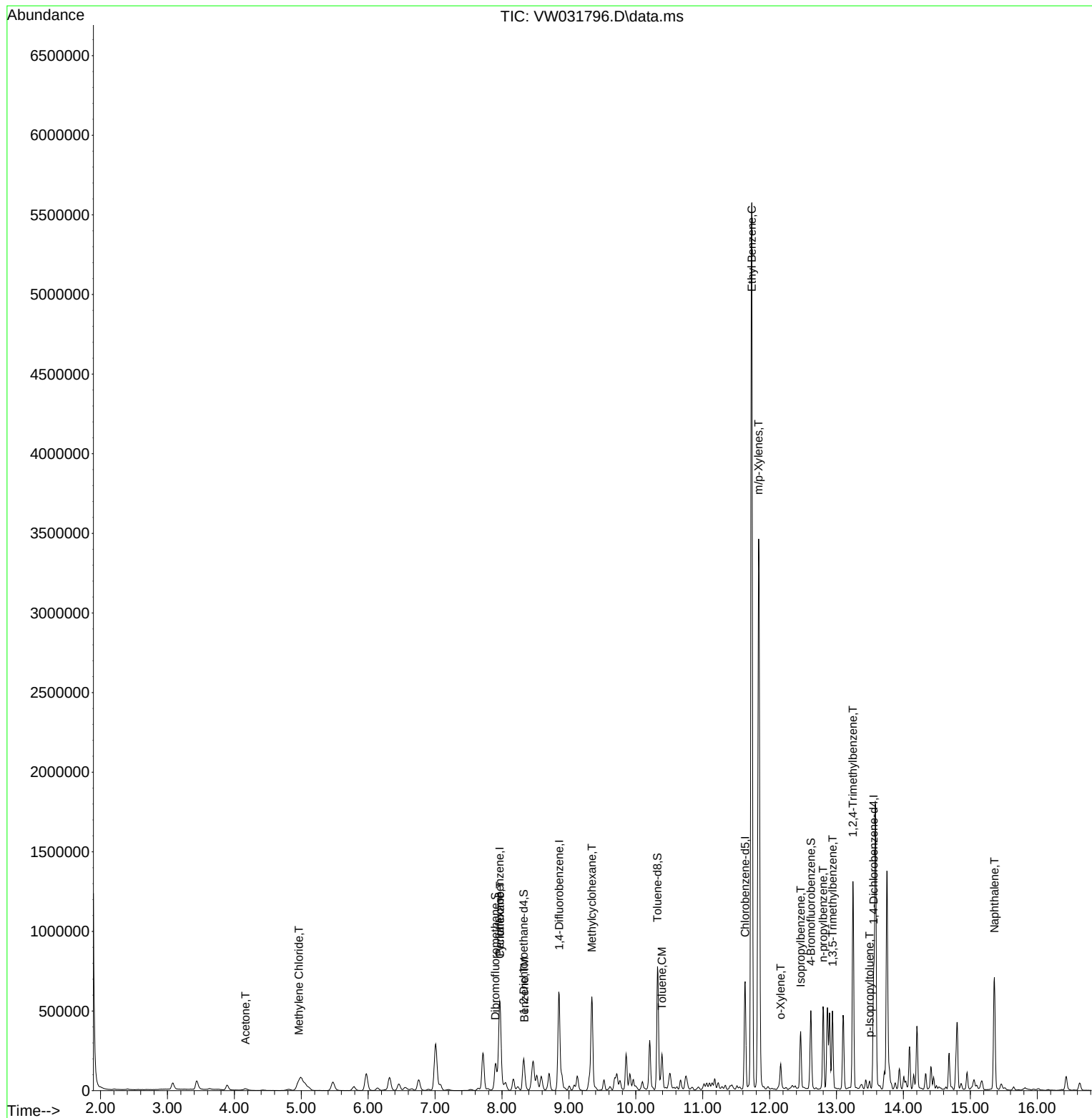
Internal Standards						
1) Pentafluorobenzene	7.965	168	183364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	381218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	355538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	138917	52.790	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.580%			
35) Dibromofluoromethane	7.898	113	121682	48.915	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.840%			
50) Toluene-d8	10.325	98	463861	50.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 100.220%			
62) 4-Bromofluorobenzene	12.617	95	163688	48.048	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.100%			
Target Compounds					Qvalue	
16) Acetone	4.167	43	13972	21.481	ug/l	91
20) Methylene Chloride	4.966	84	35164	9.852	ug/l	95
31) Cyclohexane	7.971	56	198958	53.100	ug/l	96
39) Methylcyclohexane	9.343	83	248759	55.544	ug/l	98
40) Benzene	8.337	78	57545	5.403	ug/l	100
52) Toluene	10.392	92	93886	13.769	ug/l	97
67) Ethyl Benzene	11.733	91	4021800	295.667	ug/l	98
68) m/p-Xylenes	11.837	106	1098568	210.091	ug/l	98
69) o-Xylene	12.166	106	41611	8.595	ug/l	95
73) Isopropylbenzene	12.464	105	228390	18.494	ug/l	100
78) n-propylbenzene	12.800	91	398920	26.975	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	251549	24.608	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	701299	67.710	ug/l	100
86) p-Isopropyltoluene	13.495	119	18858	1.741	ug/l	97
95) Naphthalene	15.360	128	600830	78.710	ug/l	100

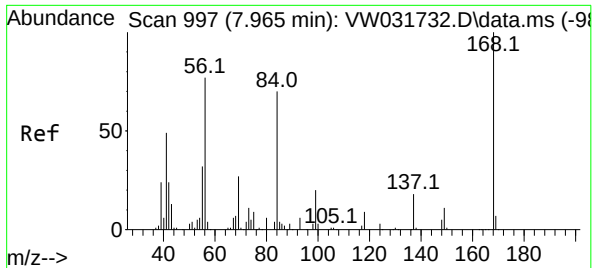
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

Quant Time: Jul 11 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

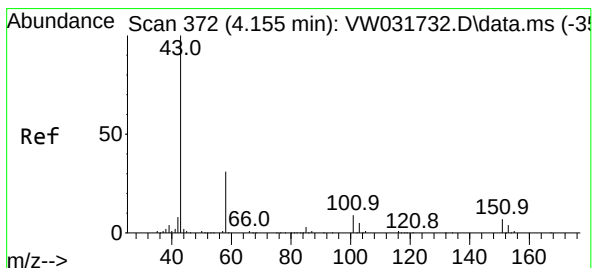
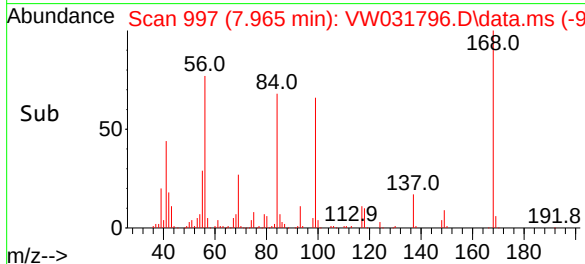
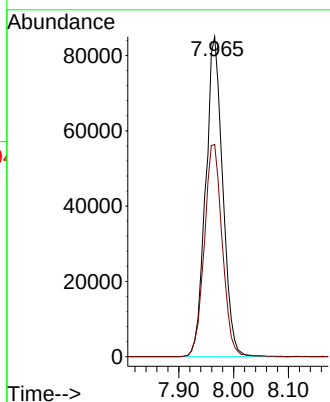
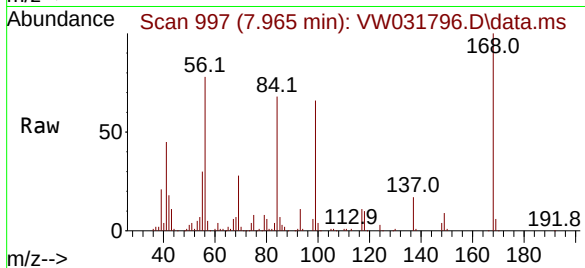




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

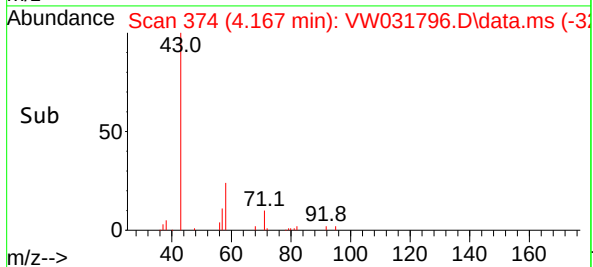
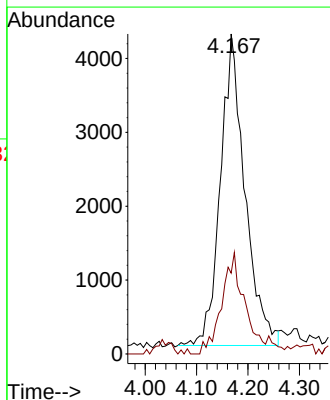
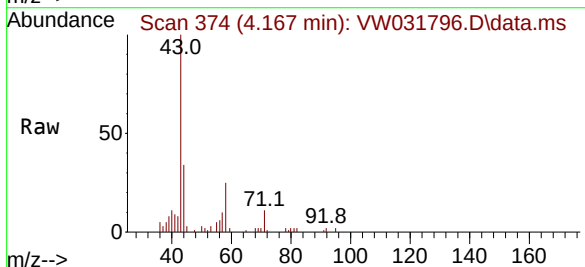
Instrument :
MSVOA_W
ClientSampleId :
GPX4

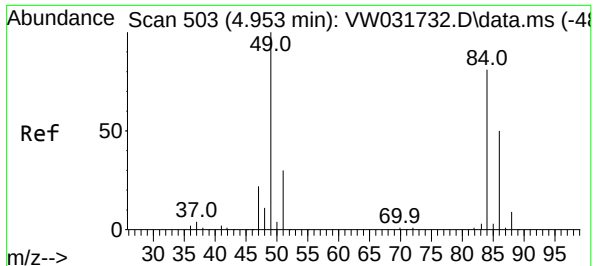
Tgt Ion:168 Resp: 183364
Ion Ratio Lower Upper
168 100
99 66.3 49.4 74.2



#16
Acetone
Concen: 21.481 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion: 43 Resp: 13972
Ion Ratio Lower Upper
43 100
58 25.9 24.8 37.2





#20

Methylene Chloride

Concen: 9.852 ug/l

RT: 4.966 min Scan# 503

Delta R.T. 0.012 min

Lab File: VW031796.D

Acq: 10 Jul 2025 12:41

Instrument :

MSVOA_W

ClientSampleId :

GPX4

Tgt Ion: 84 Resp: 35164

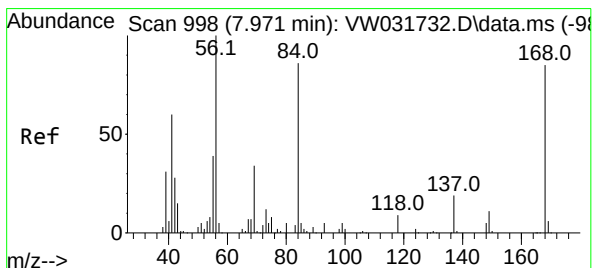
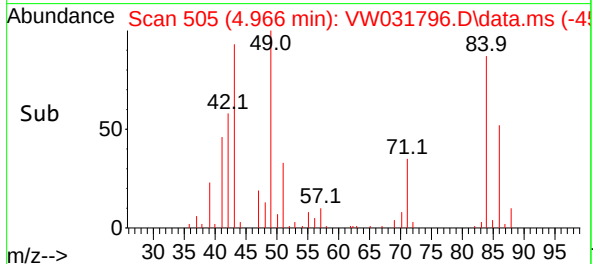
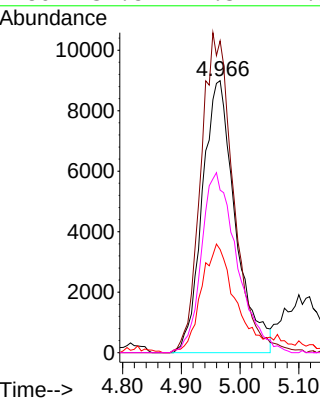
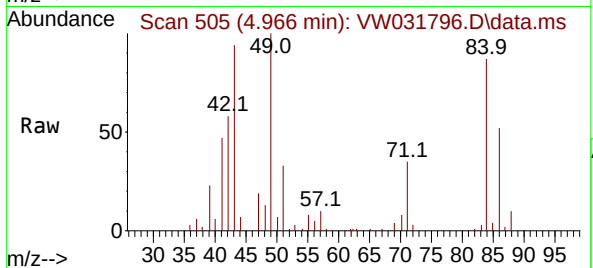
Ion Ratio Lower Upper

84 100

49 114.7 98.2 147.4

51 38.0 29.8 44.8

86 59.8 49.5 74.3



#31

Cyclohexane

Concen: 53.100 ug/l

RT: 7.971 min Scan# 998

Delta R.T. 0.000 min

Lab File: VW031796.D

Acq: 10 Jul 2025 12:41

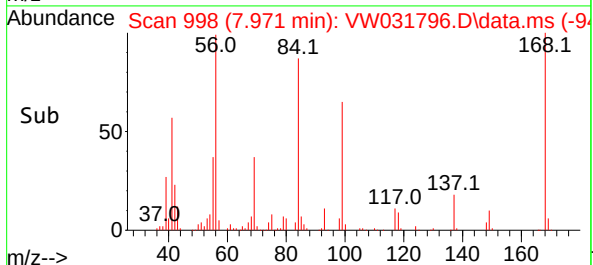
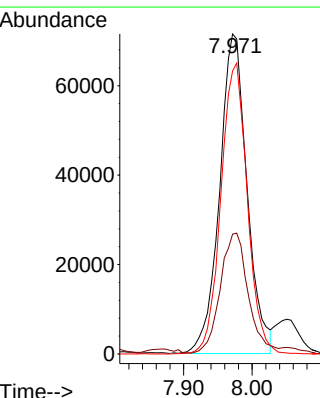
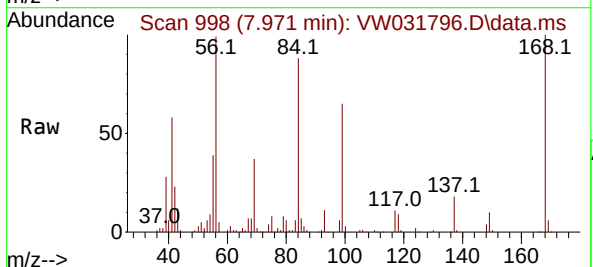
Tgt Ion: 56 Resp: 198958

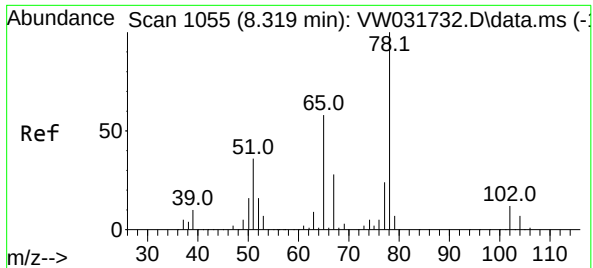
Ion Ratio Lower Upper

56 100

69 36.4 27.2 40.8

84 88.6 68.5 102.7

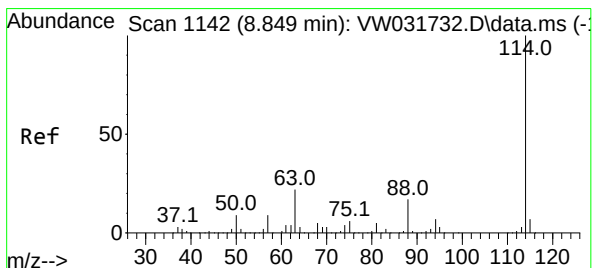
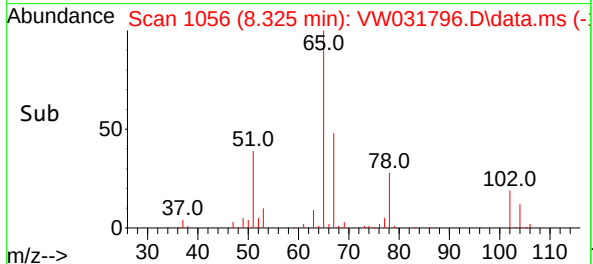
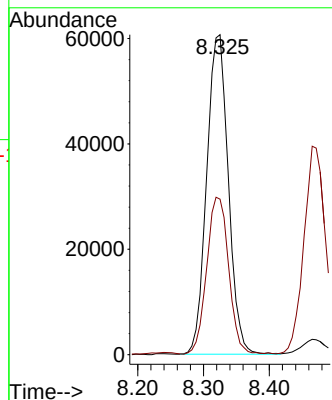
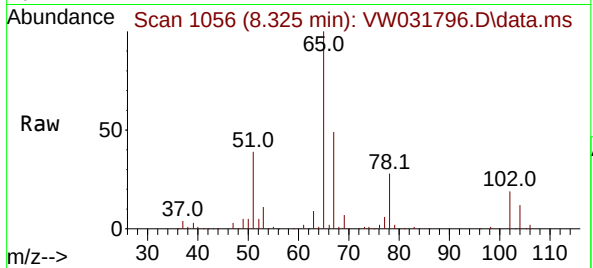




#33
1,2-Dichloroethane-d4
Concen: 52.790 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

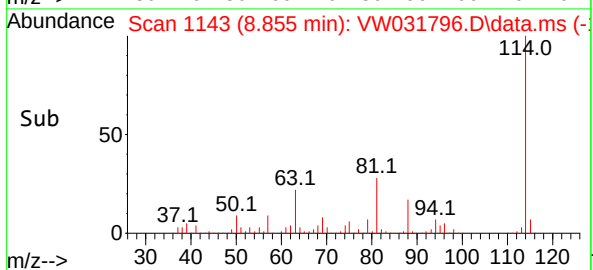
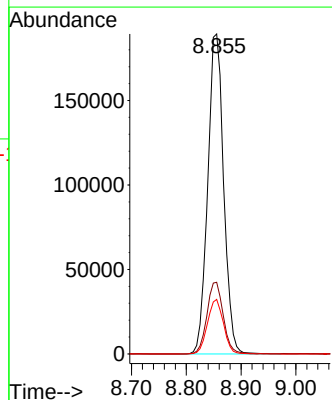
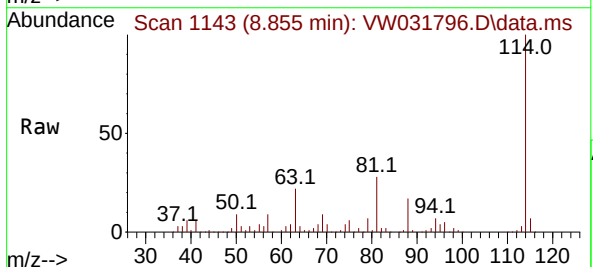
Instrument :
MSVOA_W
ClientSampleId :
GPX4

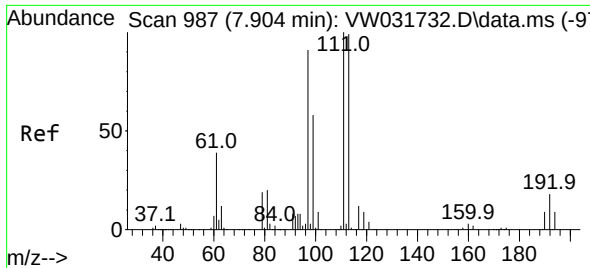
Tgt Ion: 65 Resp: 138917
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion: 114 Resp: 381218
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.6
88 17.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.915 ug/l

RT: 7.898 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW031796.D

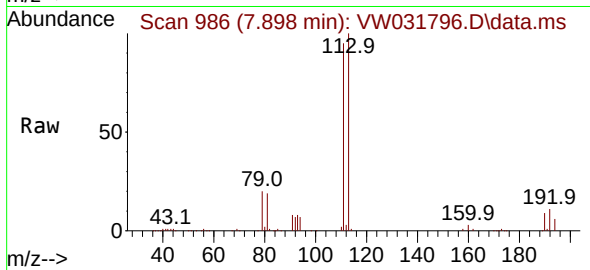
Acq: 10 Jul 2025 12:41

Instrument :

MSVOA_W

ClientSampleId :

GPX4



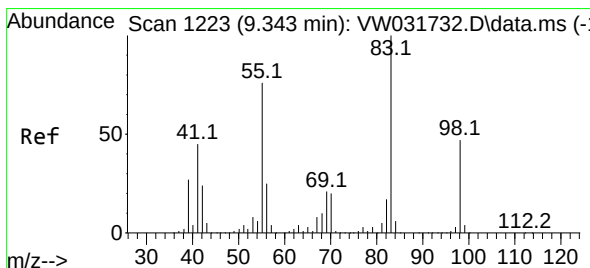
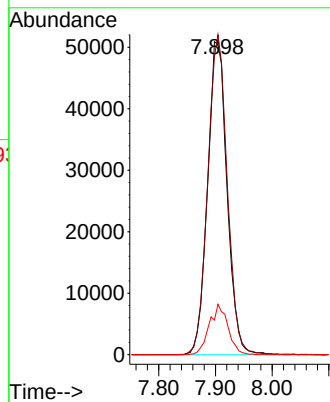
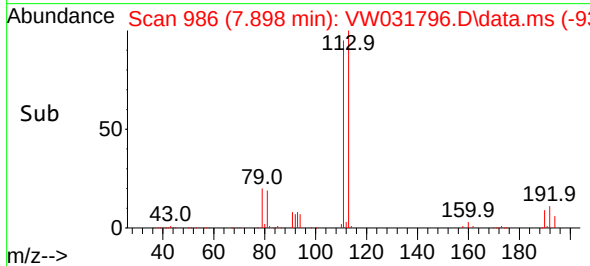
Tgt Ion:113 Resp: 121682

Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

192 15.4 13.8 20.6



#39

Methylcyclohexane

Concen: 55.544 ug/l

RT: 9.343 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VW031796.D

Acq: 10 Jul 2025 12:41

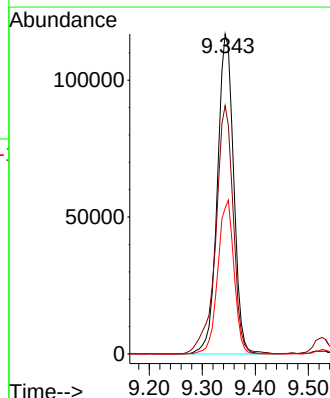
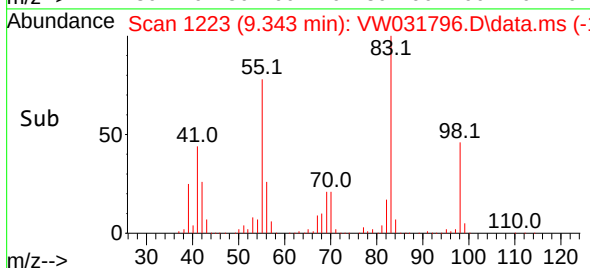
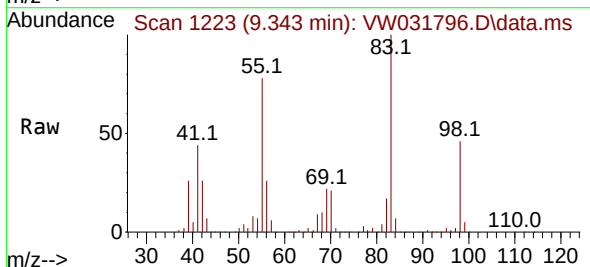
Tgt Ion: 83 Resp: 248759

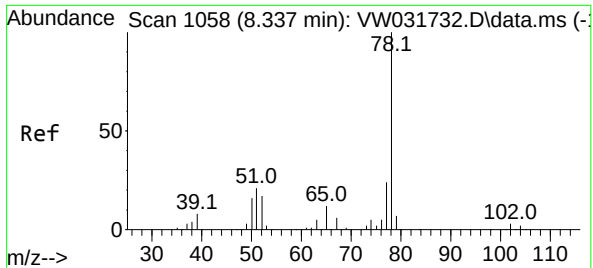
Ion Ratio Lower Upper

83 100

55 77.5 61.0 91.4

98 45.6 37.9 56.9

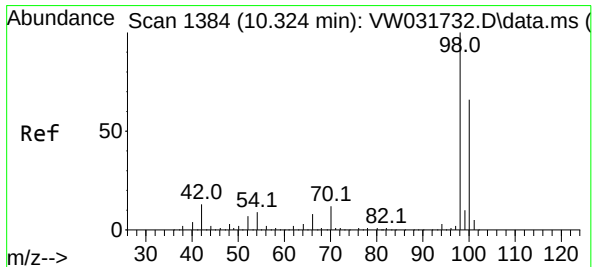
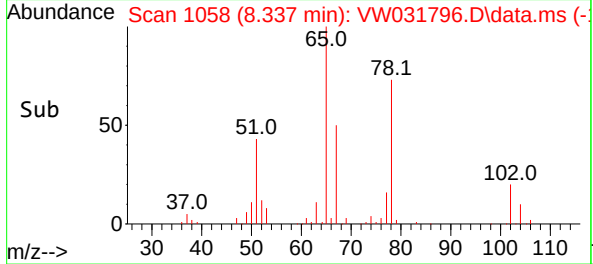
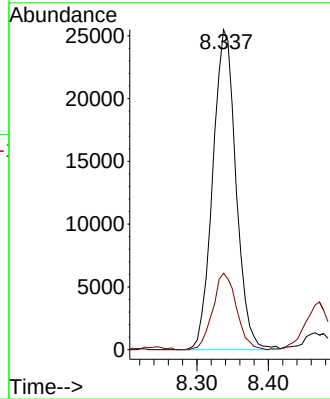
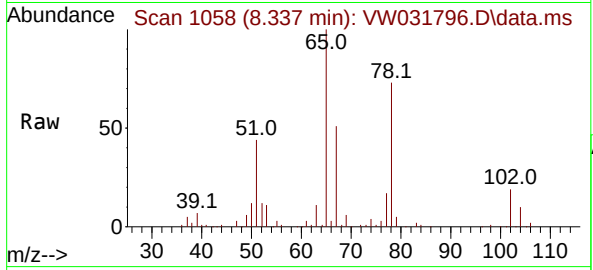




#40
Benzene
Concen: 5.403 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

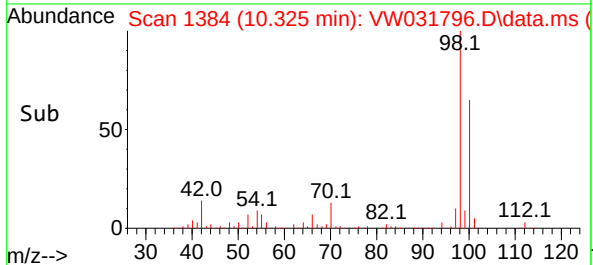
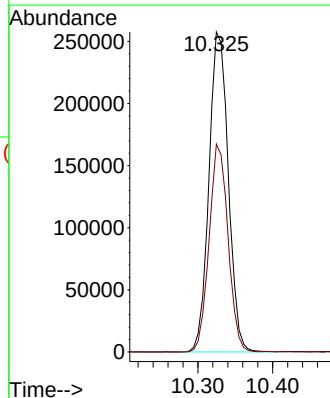
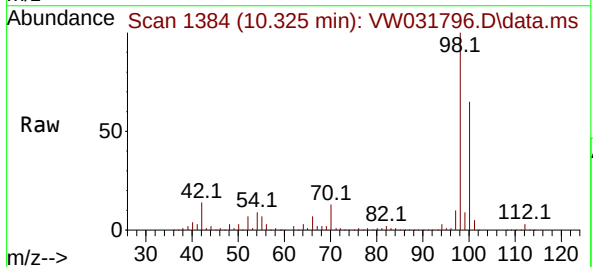
Instrument :
MSVOA_W
ClientSampleId :
GPX4

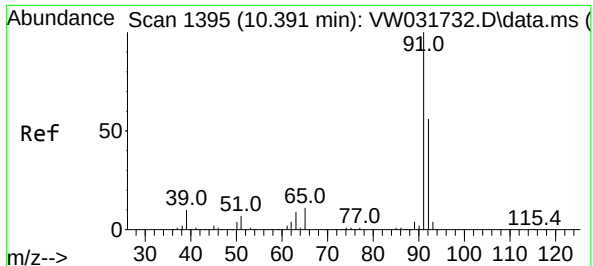
Tgt Ion: 78 Resp: 57545
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8



#50
Toluene-d8
Concen: 50.107 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion: 98 Resp: 463861
Ion Ratio Lower Upper
98 100
100 63.6 53.0 79.4

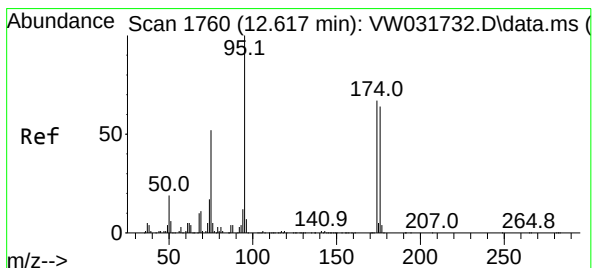
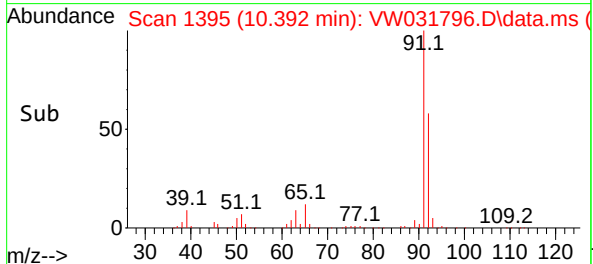
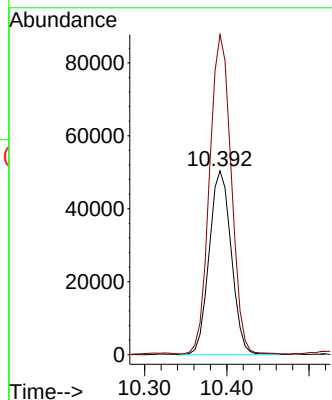
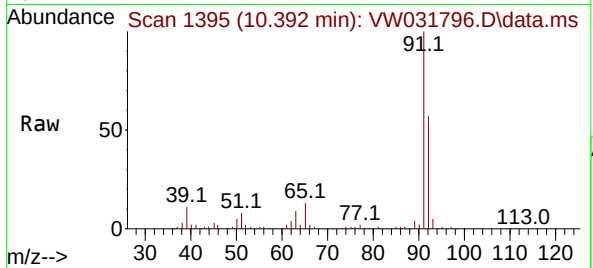




#52
Toluene
Concen: 13.769 ug/l
RT: 10.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

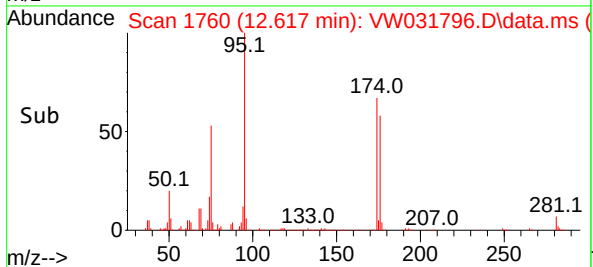
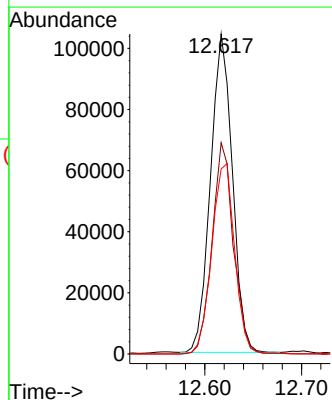
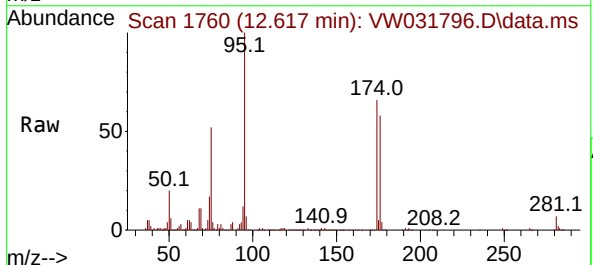
Instrument :
MSVOA_W
ClientSampleId :
GPX4

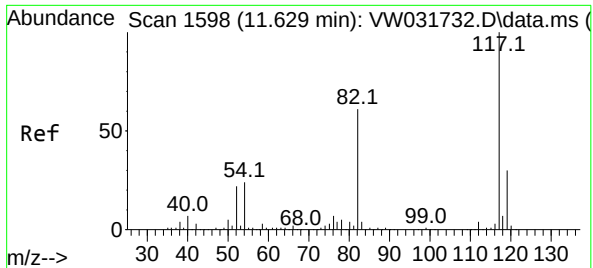
Tgt Ion: 92 Resp: 93886
Ion Ratio Lower Upper
92 100
91 170.6 139.5 209.3



#62
4-Bromofluorobenzene
Concen: 48.048 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

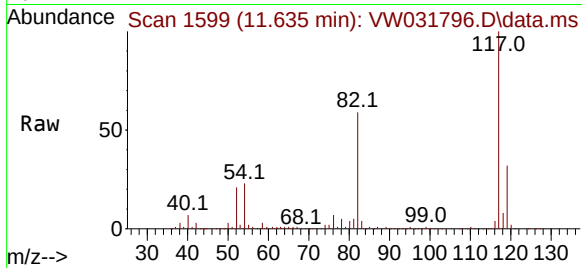
Tgt Ion: 95 Resp: 163688
Ion Ratio Lower Upper
95 100
174 65.2 0.0 133.8
176 62.9 0.0 126.0



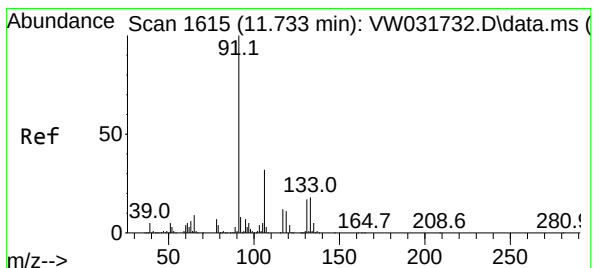
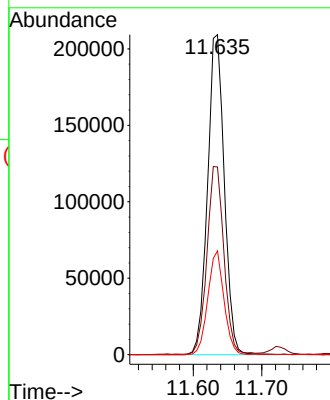
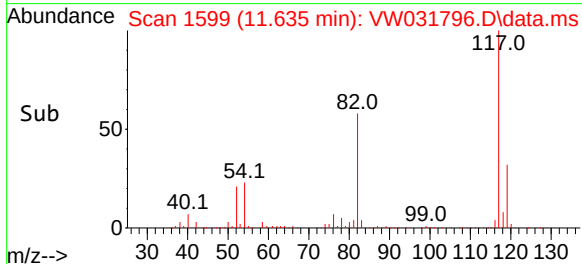


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Instrument :
MSVOA_W
ClientSampleId :
GPX4

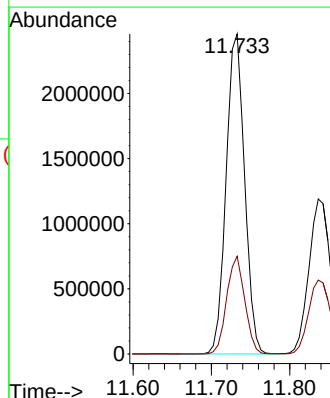
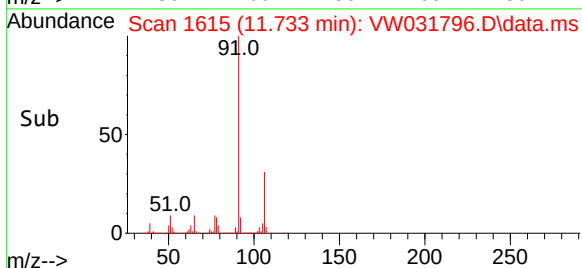
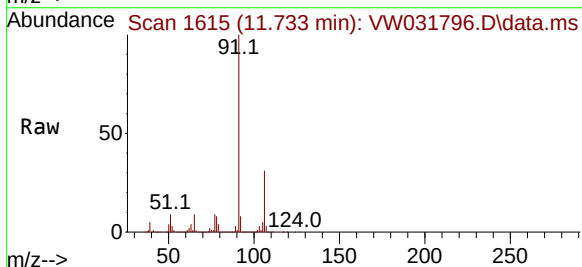


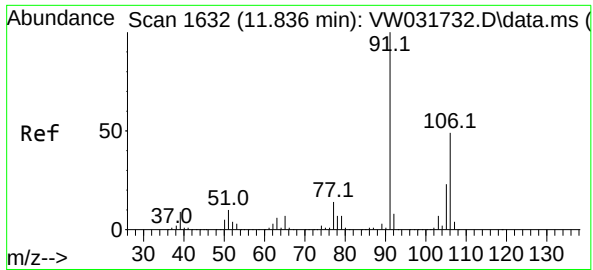
Tgt Ion: 117 Resp: 355538
Ion Ratio Lower Upper
117 100
82 58.5 48.6 72.8
119 32.5 23.9 35.9



#67
Ethyl Benzene
Concen: 295.667 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion: 91 Resp: 4021800
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2

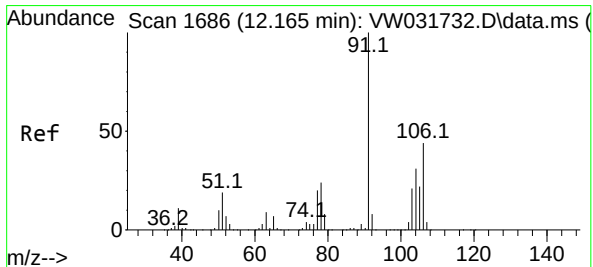
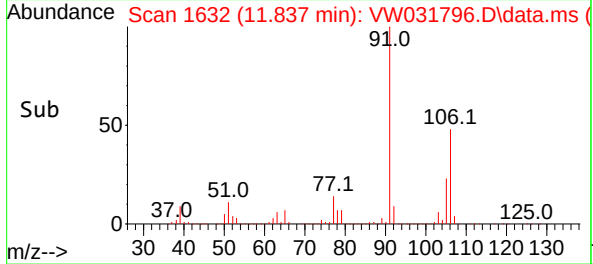
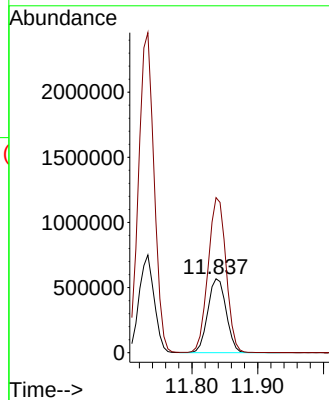
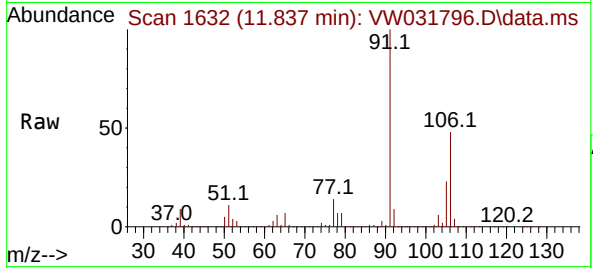




#68
m/p-Xylenes
Concen: 210.091 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

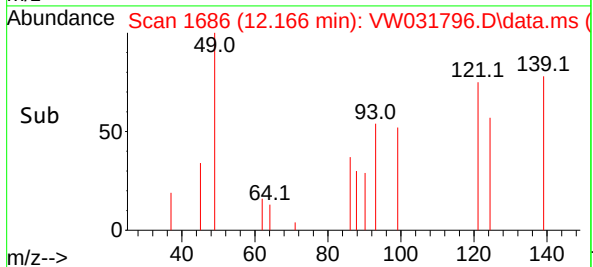
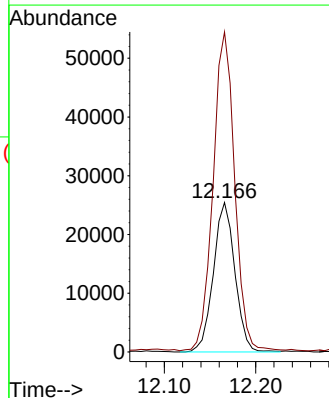
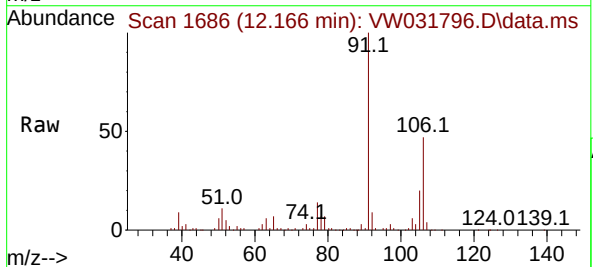
Instrument :
MSVOA_W
ClientSampleId :
GPX4

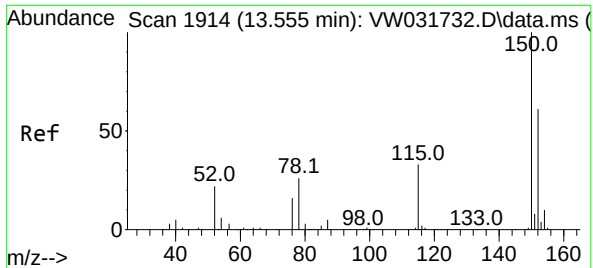
Tgt Ion:106 Resp: 1098568
Ion Ratio Lower Upper
106 100
91 205.7 166.4 249.6



#69
o-Xylene
Concen: 8.595 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion:106 Resp: 41611
Ion Ratio Lower Upper
106 100
91 214.0 111.5 334.4

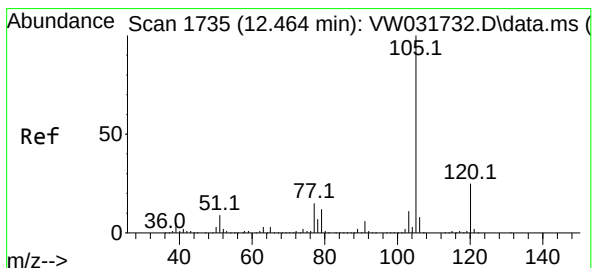
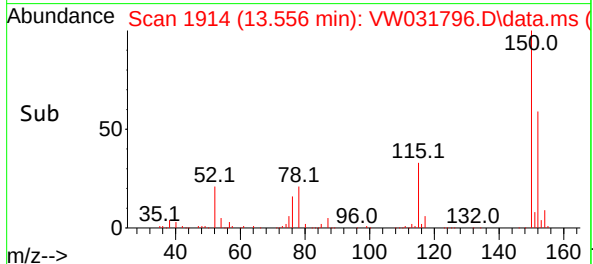
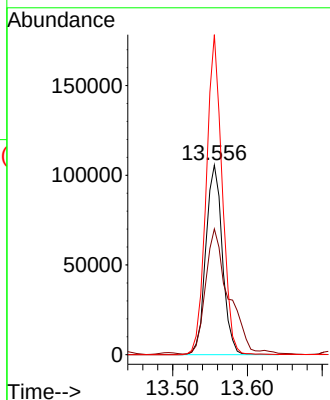
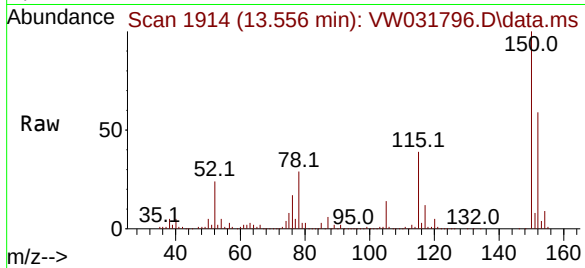




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

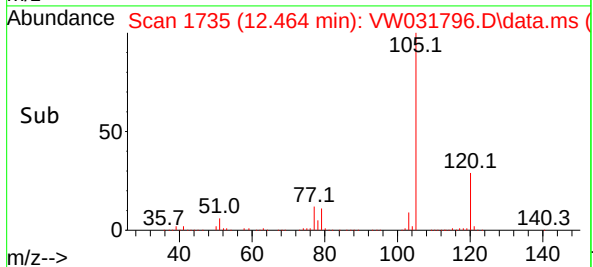
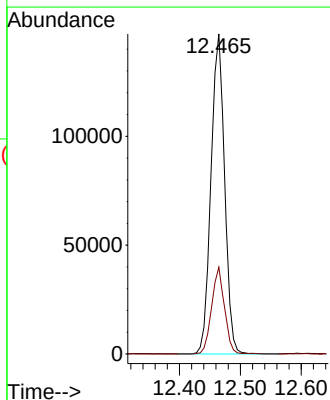
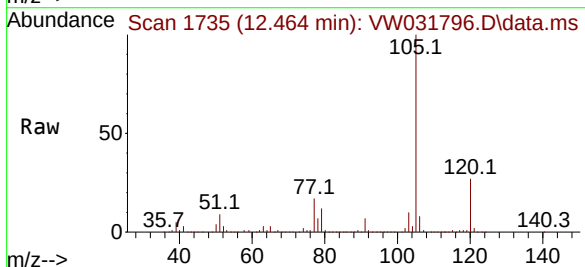
Instrument :
MSVOA_W
ClientSampleId :
GPX4

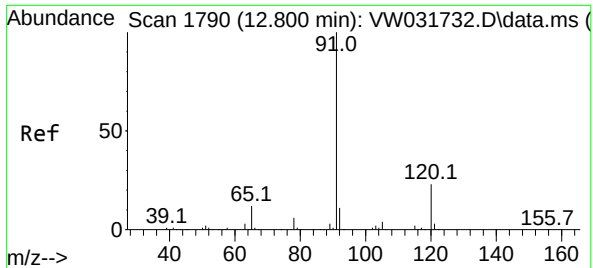
Tgt Ion:152 Resp: 162355
Ion Ratio Lower Upper
152 100
115 93.6 31.9 95.7
150 162.1 0.0 356.4



#73
Isopropylbenzene
Concen: 18.494 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion:105 Resp: 228390
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.4

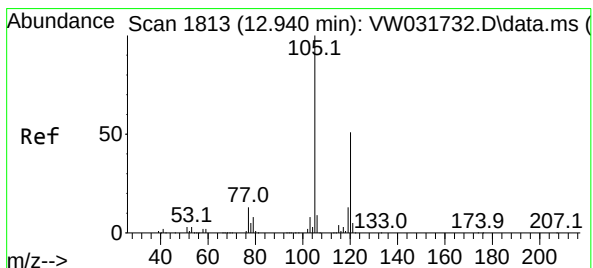
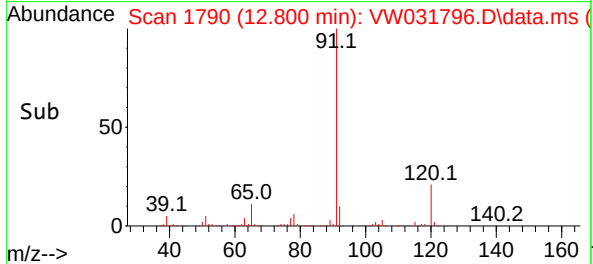
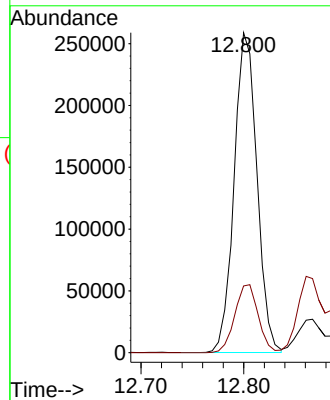
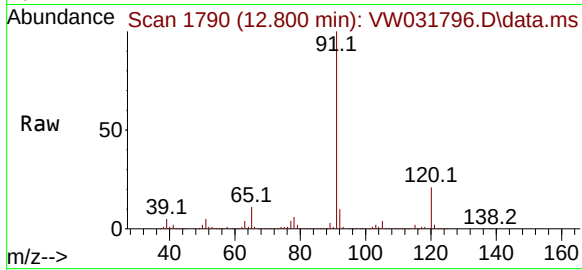




#78
n-propylbenzene
Concen: 26.975 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

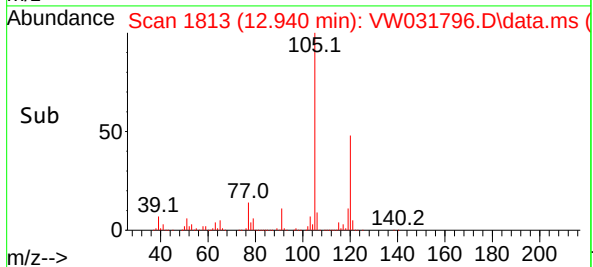
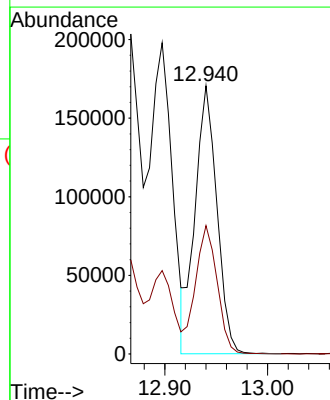
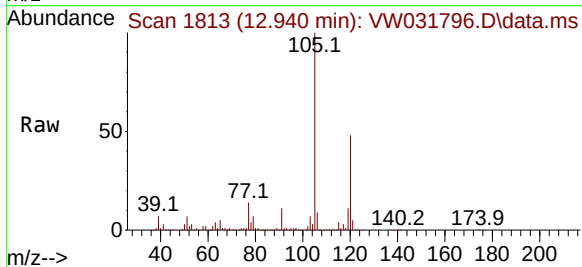
Instrument :
MSVOA_W
ClientSampleId :
GPX4

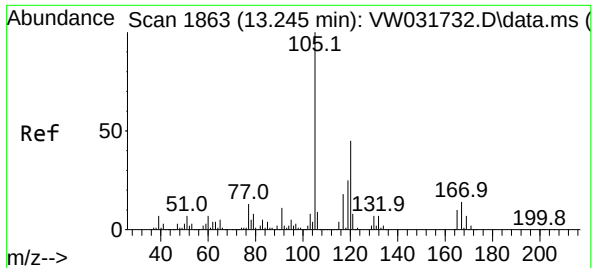
Tgt Ion: 91 Resp: 398920
Ion Ratio Lower Upper
91 100
120 21.8 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 24.608 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion: 105 Resp: 251549
Ion Ratio Lower Upper
105 100
120 48.0 23.8 71.2

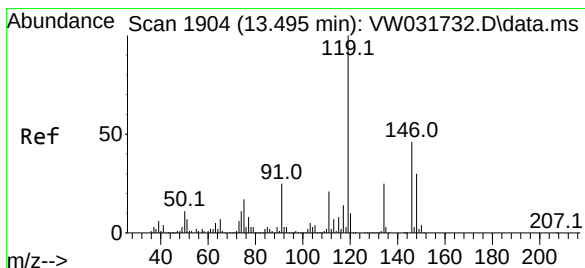
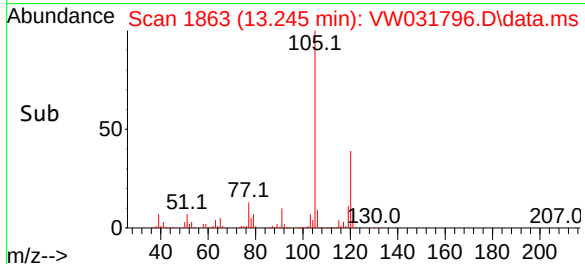
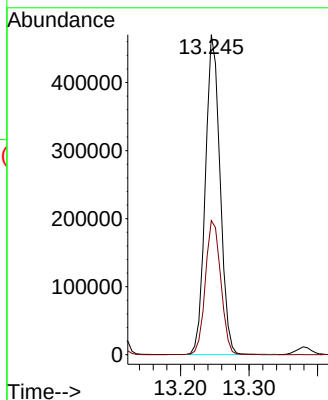
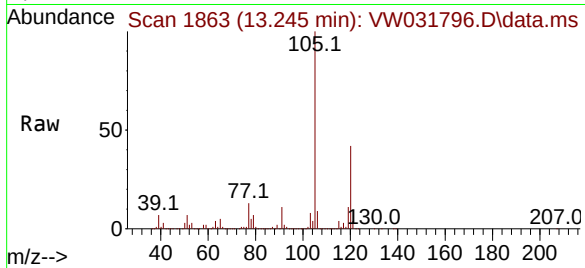




#84
1,2,4-Trimethylbenzene
Concen: 67.710 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

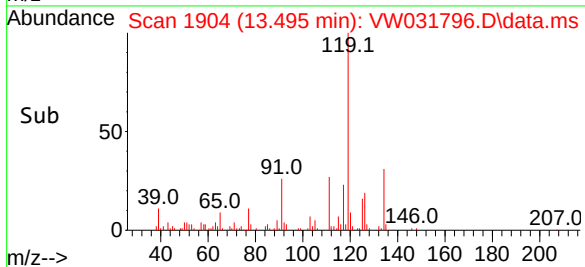
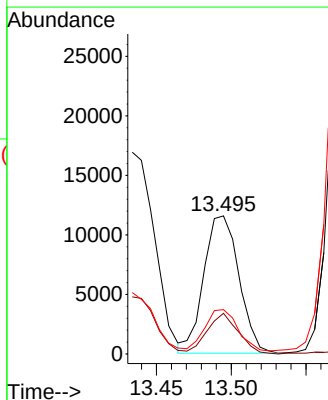
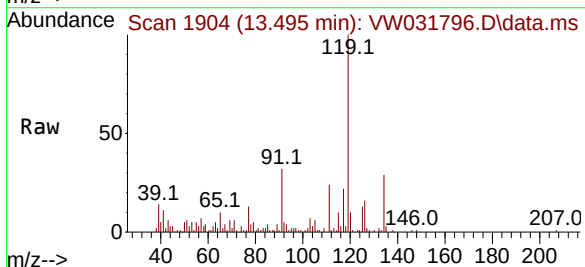
Instrument :
MSVOA_W
ClientSampleId :
GPX4

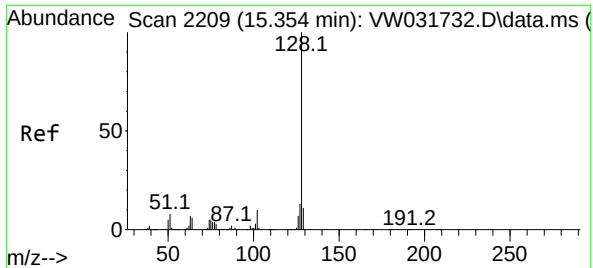
Tgt Ion:105 Resp: 701299
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.1



#86
p-Isopropyltoluene
Concen: 1.741 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031796.D
Acq: 10 Jul 2025 12:41

Tgt Ion:119 Resp: 18858
Ion Ratio Lower Upper
119 100
134 26.1 12.9 38.7
91 27.9 12.7 38.0





#95

Naphthalene

Concen: 78.710 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW031796.D

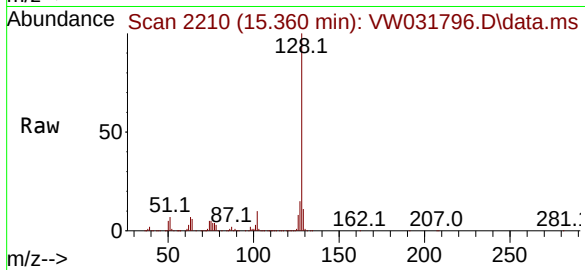
Acq: 10 Jul 2025 12:41

Instrument :

MSVOA_W

ClientSampleId :

GPX4



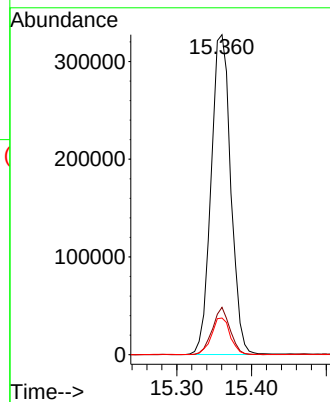
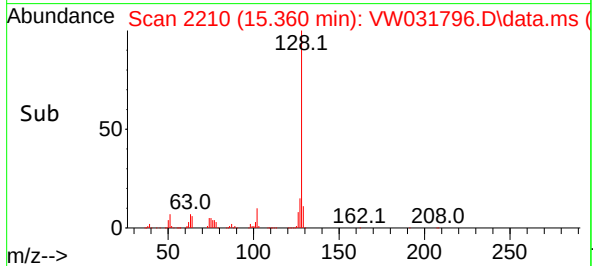
Tgt Ion:128 Resp: 600830

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 10.9 8.7 13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031796.D
 Acq On : 10 Jul 2025 12:41
 Operator : SY/MD
 Sample : Q2480-04
 Misc : 7.35g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX4

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Title : SW846 8260

Signal : TIC: VW031796.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.082	188	196	206	rVB2	37786	102711	1.12%	0.204%
2	3.436	247	254	267	rBV3	52234	150371	1.64%	0.299%
3	4.990	490	509	540	rVB8	81483	622381	6.79%	1.236%
4	5.472	573	588	611	rBV3	52988	197680	2.16%	0.393%
5	5.972	657	670	688	rBV2	105063	327986	3.58%	0.651%
6	6.319	717	727	740	rVB	80869	248811	2.71%	0.494%
7	6.459	740	750	759	rBV3	39691	124529	1.36%	0.247%
8	6.752	789	798	814	rVB2	65799	200203	2.18%	0.398%
9	7.008	829	840	850	rBV2	288380	897547	9.79%	1.783%
10	7.715	948	956	965	rBV	224851	540474	5.89%	1.073%
11	7.904	976	987	990	rBV2	166363	390289	4.26%	0.775%
12	7.965	991	997	1007	rVB2	530834	1390633	15.16%	2.762%
13	8.173	1022	1031	1037	rBV	69999	167562	1.83%	0.333%
14	8.325	1048	1056	1069	rVB2	195272	487267	5.31%	0.968%
15	8.465	1069	1079	1085	rVV3	179979	532884	5.81%	1.058%
16	8.520	1085	1088	1094	rVV2	91741	192820	2.10%	0.383%
17	8.587	1094	1099	1109	rVB2	85728	203586	2.22%	0.404%
18	8.703	1109	1118	1131	rVB2	106648	248985	2.71%	0.495%
19	8.849	1131	1142	1162	rBV	618468	1561832	17.03%	3.102%
20	9.124	1182	1187	1204	rVB	89764	206148	2.25%	0.409%
21	9.343	1206	1223	1239	rBV2	588262	1451354	15.82%	2.883%
22	9.526	1246	1253	1259	rBV	63354	120412	1.31%	0.239%
23	9.691	1273	1280	1281	rBV2	76436	133382	1.45%	0.265%
24	9.715	1281	1284	1288	rVV2	96705	182905	1.99%	0.363%
25	9.764	1288	1292	1300	rVB4	55240	114391	1.25%	0.227%
26	9.855	1300	1307	1312	rBV	221444	411256	4.48%	0.817%
27	9.910	1312	1316	1321	rVV	79386	134445	1.47%	0.267%
28	10.099	1339	1347	1356	rBV3	52805	122122	1.33%	0.243%
29	10.209	1356	1365	1376	rVB	308837	590535	6.44%	1.173%
30	10.325	1376	1384	1390	rBV	773526	1445267	15.76%	2.870%
31	10.392	1390	1395	1402	rVB	211797	406601	4.43%	0.808%
32	10.508	1407	1414	1422	rVV4	93390	214531	2.34%	0.426%
33	10.666	1436	1440	1447	rBV	56437	101437	1.11%	0.201%
34	10.751	1447	1454	1463	rVB3	81765	206644	2.25%	0.410%
35	11.635	1591	1599	1605	rBV	674135	1151506	12.55%	2.287%
36	11.733	1605	1615	1623	rVV	5560683	9171855	100.00%	18.216%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260

37	11.837	1623	1632	1643	rVV	3444520	6541480	71.32%	12.992%
38	12.166	1675	1686	1694	rBV	160495	315883	3.44%	0.627%
39	12.465	1729	1735	1741	rBV	355799	553431	6.03%	1.099%
40	12.617	1753	1760	1768	rVB2	490643	831040	9.06%	1.651%
41	12.800	1783	1790	1795	rBV	516697	812086	8.85%	1.613%
42	12.867	1795	1801	1803	rVV	507836	837384	9.13%	1.663%
43	12.897	1803	1806	1809	rVV	474654	690372	7.53%	1.371%
44	12.940	1809	1813	1819	rVB	485030	728118	7.94%	1.446%
45	13.099	1832	1839	1847	rBV	463746	750303	8.18%	1.490%
46	13.245	1857	1863	1870	rVB	1295528	1946652	21.22%	3.866%
47	13.580	1908	1918	1928	rBV2	1784349	3826573	41.72%	7.600%
48	13.714	1934	1940	1941	rBV	107571	135821	1.48%	0.270%
49	13.751	1941	1946	1961	rVB	1367374	2556653	27.87%	5.078%
50	13.940	1971	1977	1983	rVB2	125646	216412	2.36%	0.430%
51	14.007	1983	1988	1991	rBV	75716	124924	1.36%	0.248%
52	14.092	1997	2002	2007	rVB	263505	401737	4.38%	0.798%
53	14.153	2007	2012	2015	rBV	86915	130442	1.42%	0.259%
54	14.202	2015	2020	2028	rVB2	389663	623469	6.80%	1.238%
55	14.330	2035	2041	2047	rBV2	97505	158045	1.72%	0.314%
56	14.409	2047	2054	2058	rBV	139260	229940	2.51%	0.457%
57	14.684	2094	2099	2105	rBV	223858	349778	3.81%	0.695%
58	14.806	2110	2119	2124	rBV2	421503	840056	9.16%	1.668%
59	14.952	2137	2143	2149	rBV2	104988	169736	1.85%	0.337%
60	15.055	2149	2160	2164	rBV3	57997	136559	1.49%	0.271%
61	15.171	2172	2179	2186	rVB3	55521	132132	1.44%	0.262%
62	15.360	2202	2210	2220	rVB	701697	1258063	13.72%	2.499%
63	16.433	2378	2386	2399	rVB	85692	191718	2.09%	0.381%
64	16.634	2410	2419	2429	rVB2	45511	107356	1.17%	0.213%

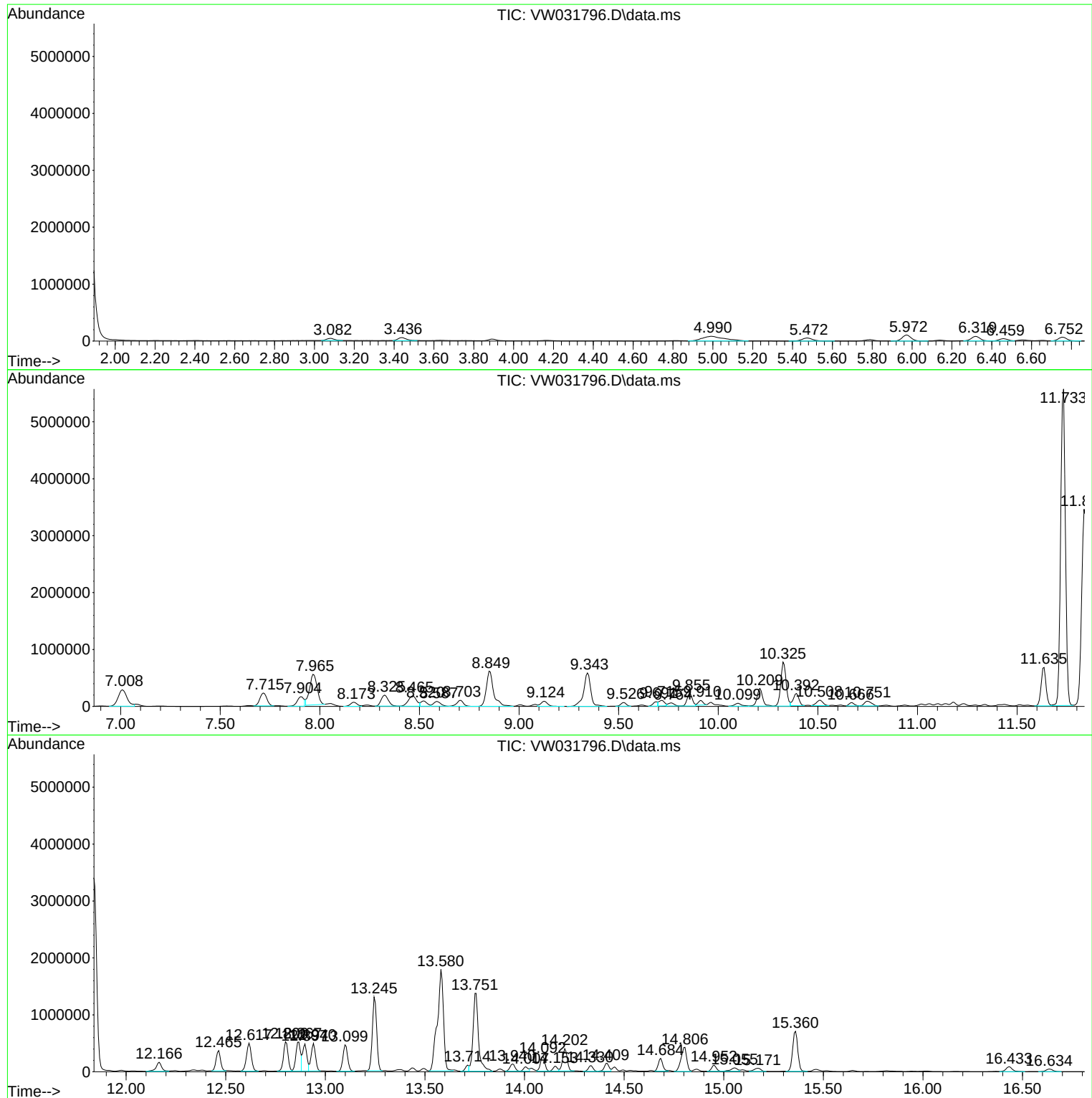
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

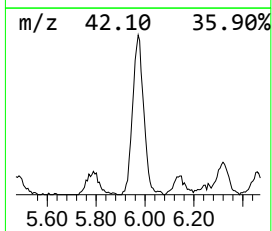
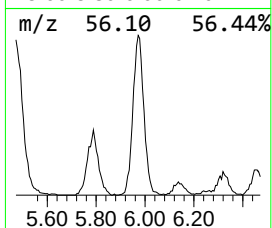
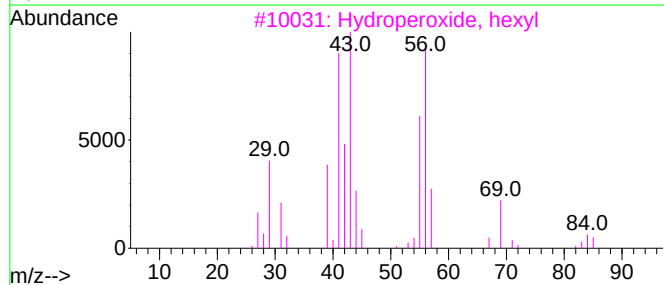
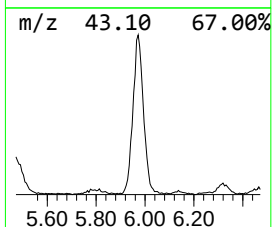
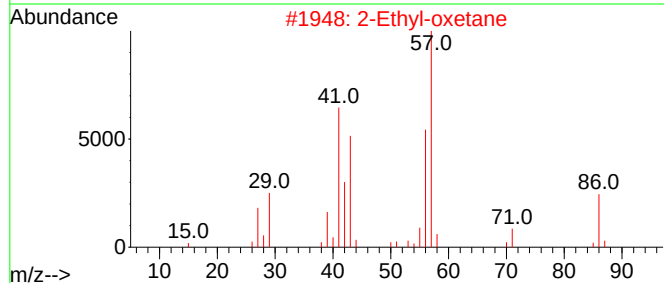
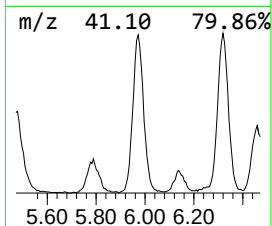
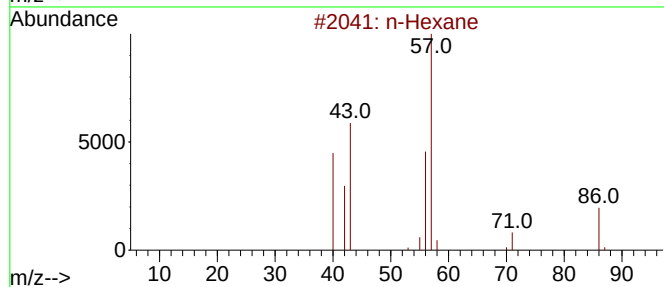
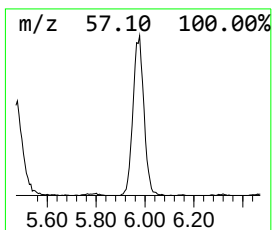
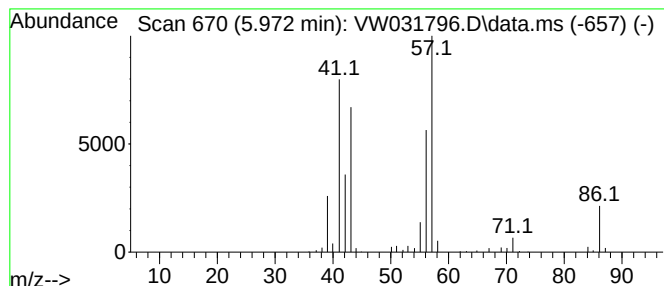
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 n-Hexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.972	11.79 ug/l	327986	Pentafluorobenzene	7.965

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexane	86	C6H14	000110-54-3	72
2			2-Ethyl-oxetane	86	C5H10O	1010386-40-2	50
3			Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	38
4			Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
5			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

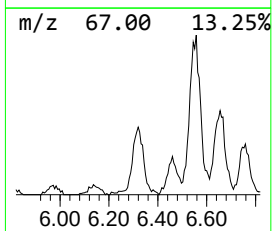
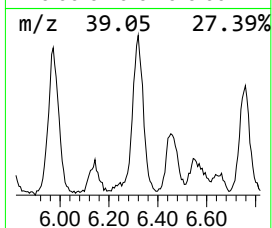
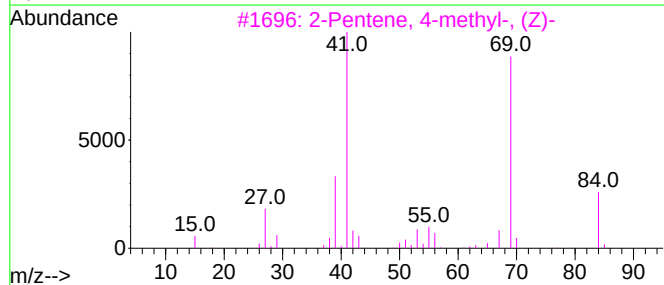
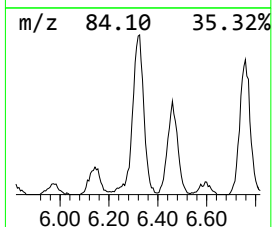
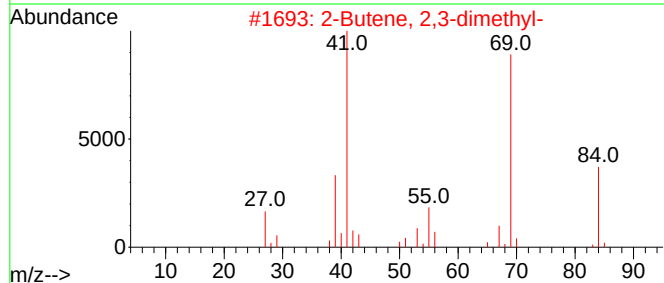
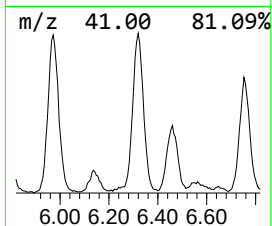
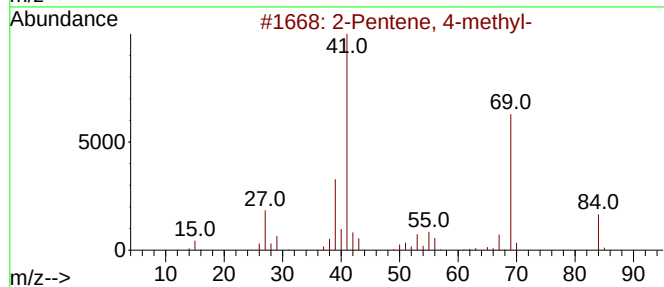
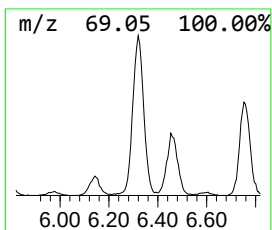
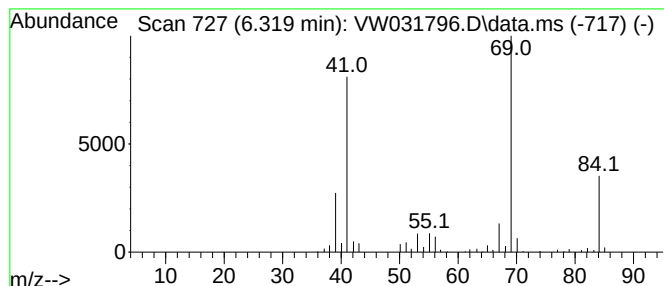
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.319	8.95 ug/l	248811	Pentafluorobenzene	7.965

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91	
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	87	
3	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	86	
4	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	86	
5	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	86	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

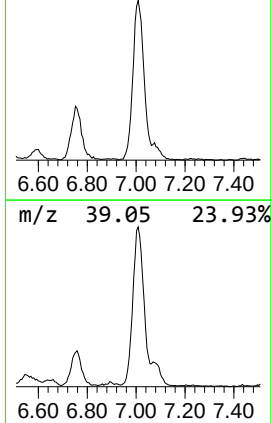
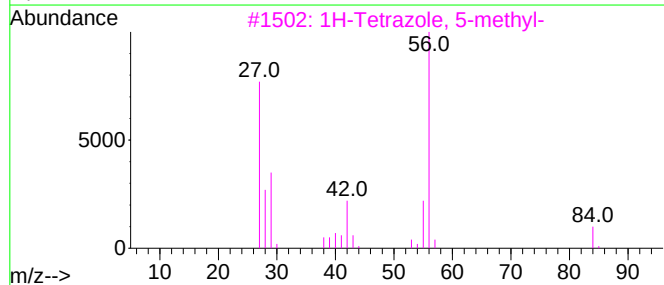
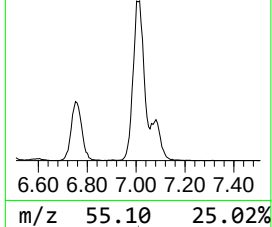
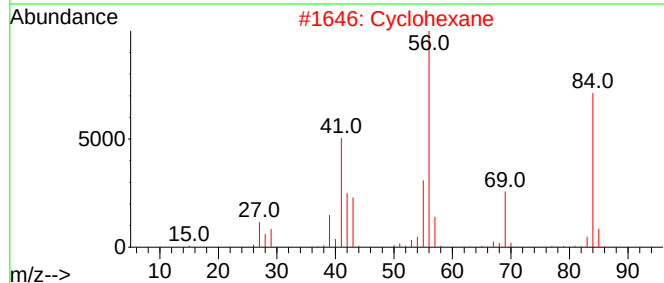
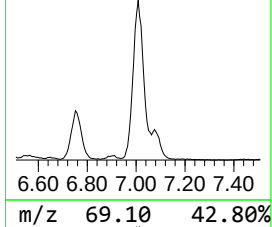
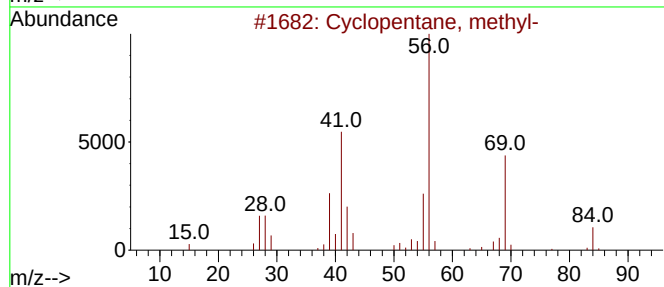
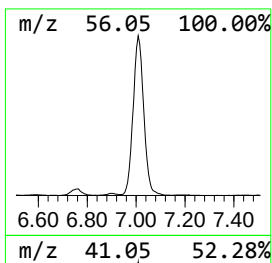
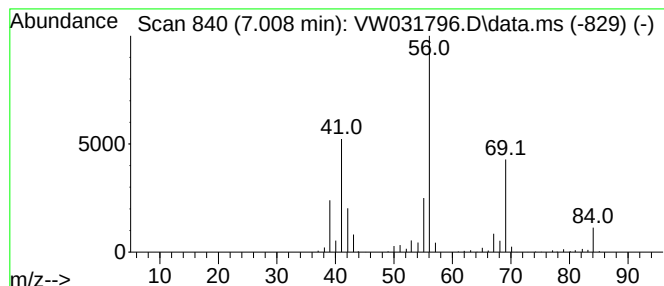
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclopentane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.008	32.27 ug/l	897547	Pentafluorobenzene	7.965

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2		Cyclohexane	84	C6H12	000110-82-7	78
3		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4		Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5		Cyclobutane	56	C4H8	000287-23-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

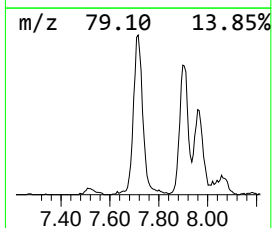
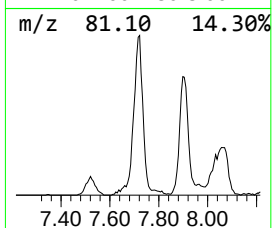
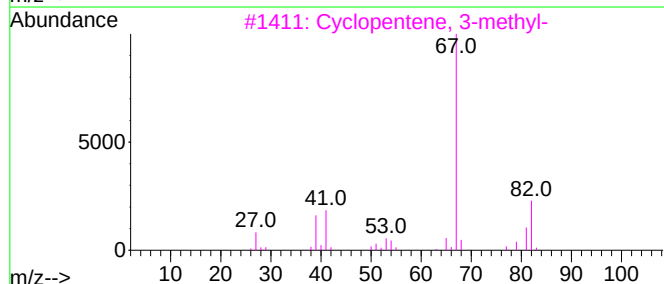
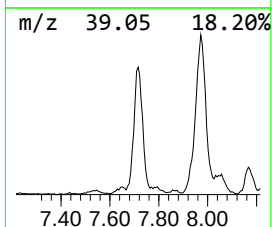
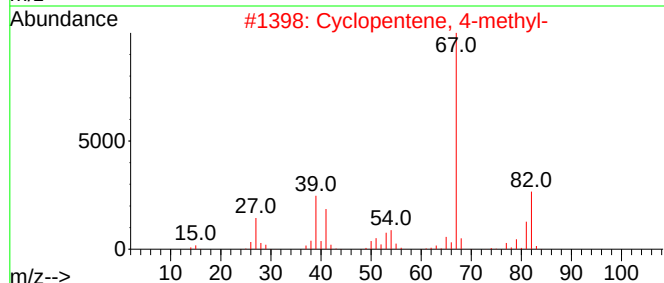
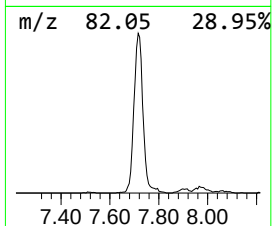
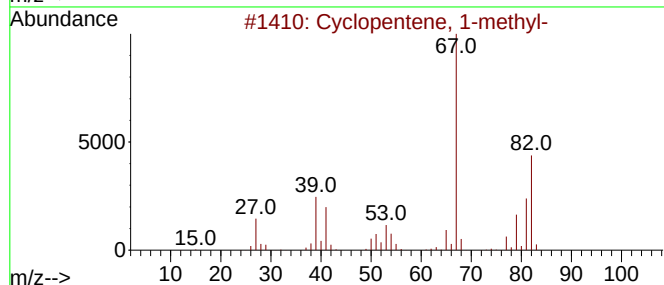
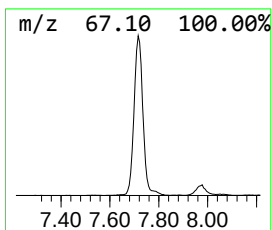
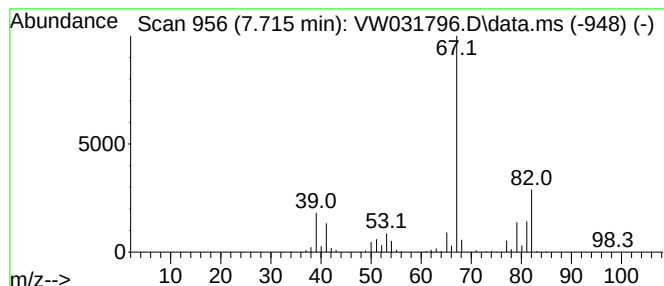
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclopentene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.715	19.43 ug/l	540474	Pentafluorobenzene	7.965

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
2			Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	87
3			Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4			1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	80
5			1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

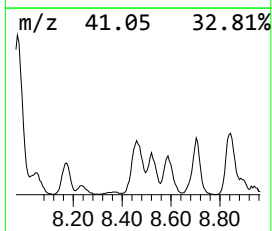
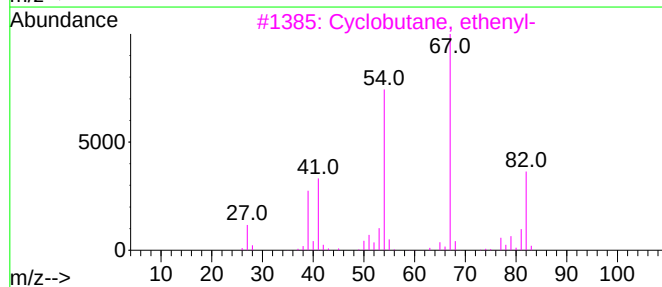
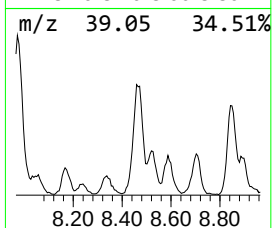
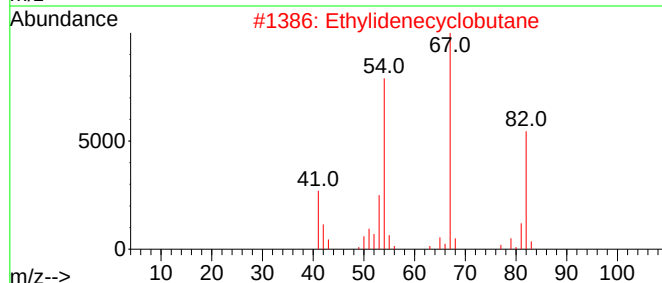
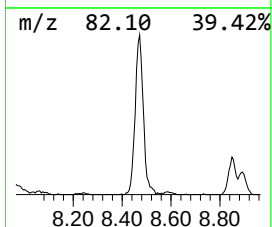
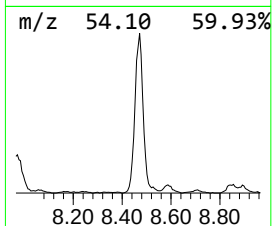
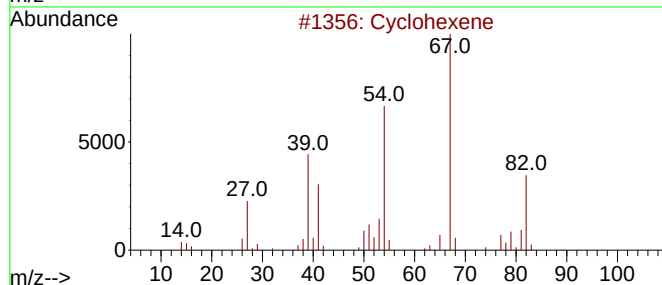
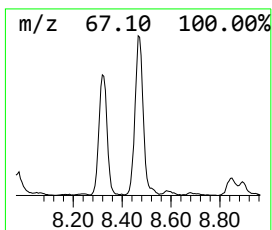
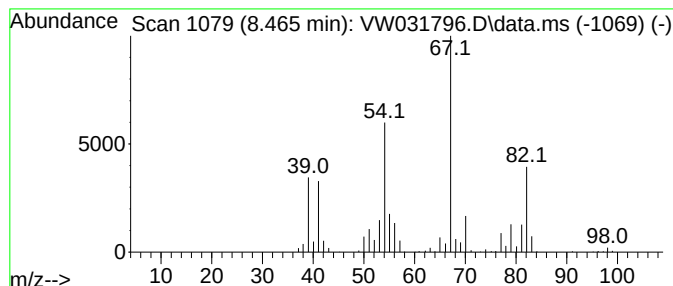
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Cyclohexene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.465	17.06 ug/l	532884	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene	82	C6H10	000110-83-8	87
2			Ethylidenecyclobutane	82	C6H10	001528-21-8	87
3			Cyclobutane, ethenyl-	82	C6H10	002597-49-1	83
4			C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	70
5			2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

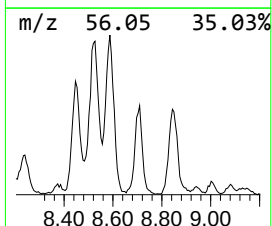
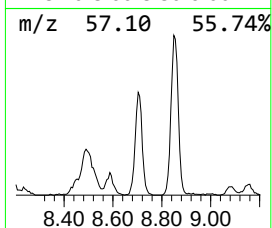
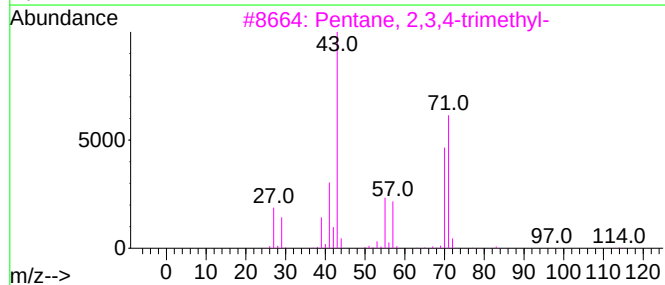
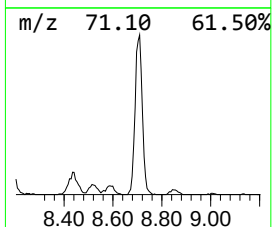
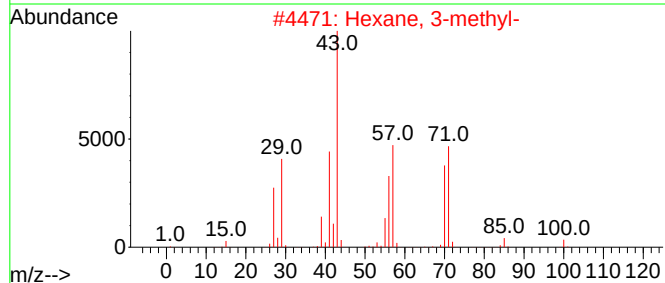
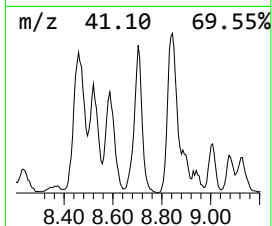
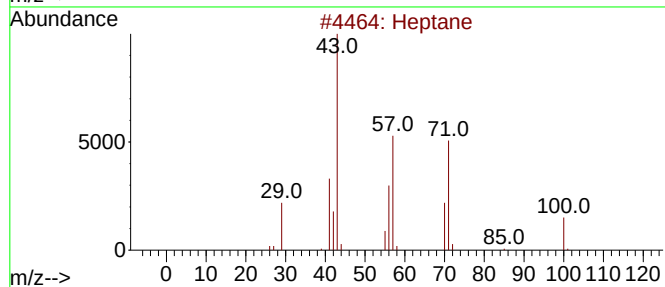
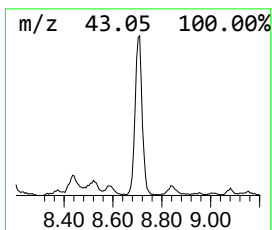
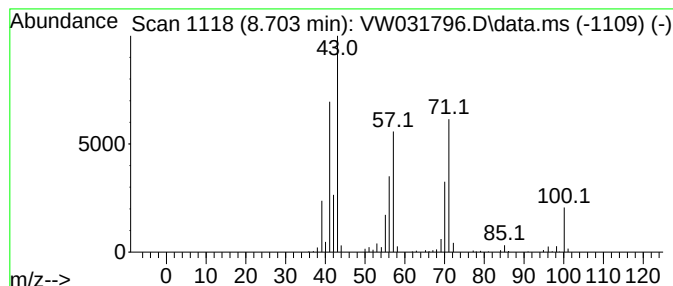
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Heptane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.703	7.97 ug/l	248985	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	91
2			Hexane, 3-methyl-	100	C7H16	000589-34-4	59
3			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50
4			Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	38
5			1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

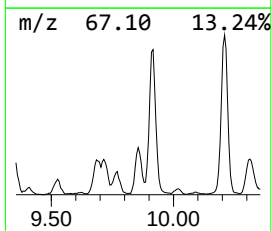
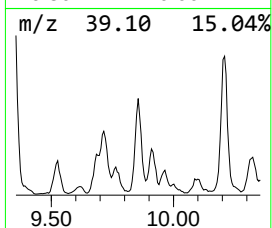
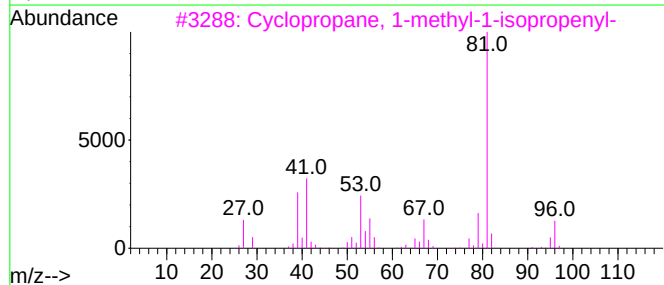
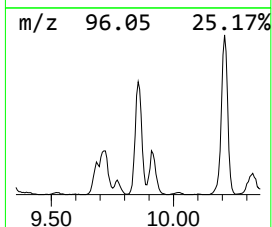
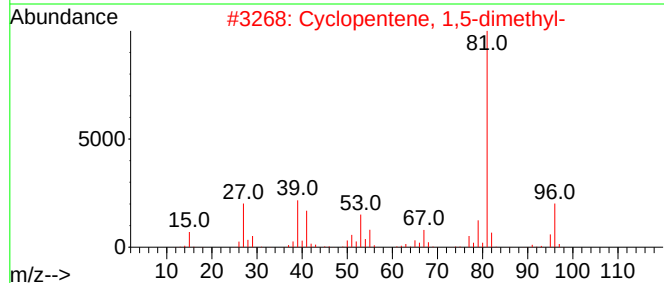
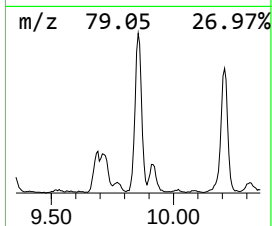
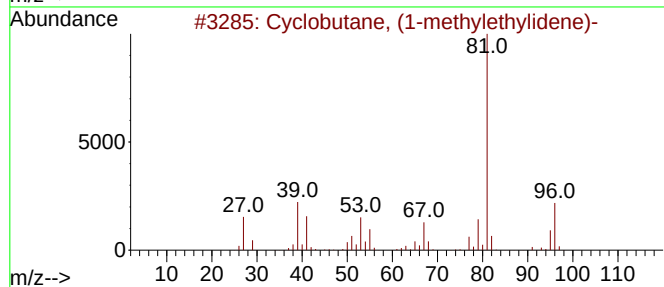
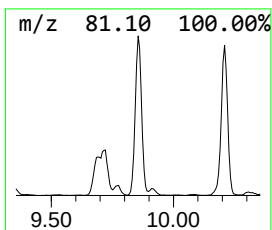
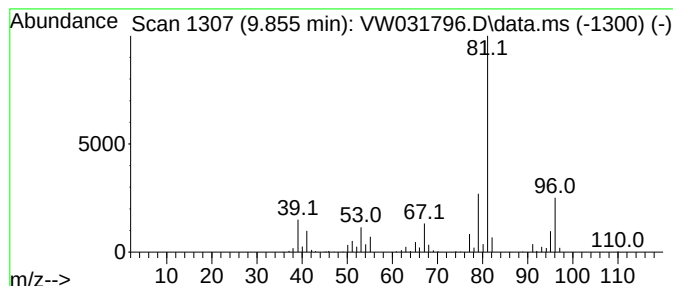
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Cyclobutane, (1-methylethyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.855	13.17 ug/l	411256	1,4-Difluorobenzene	8.855

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2		Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
3		Cyclopropane, 1-methyl-1-isopropyl-	96	C7H12	003422-07-9	86
4		3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	86
5		1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

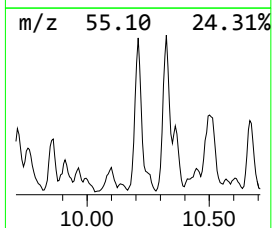
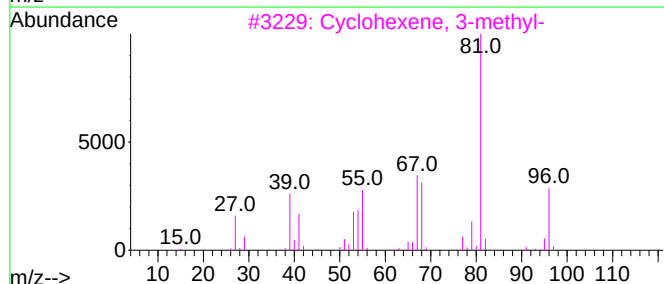
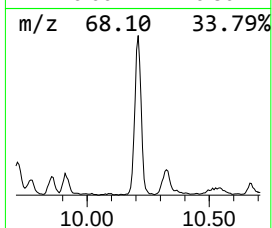
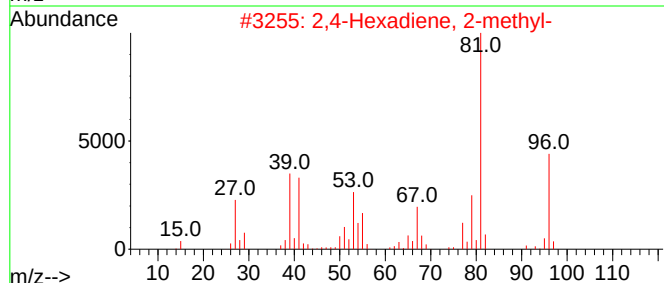
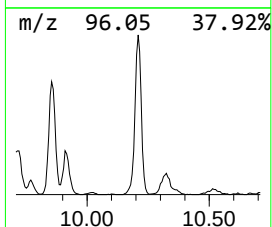
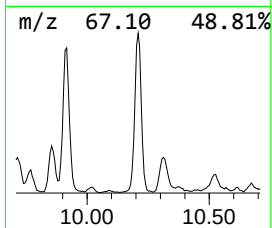
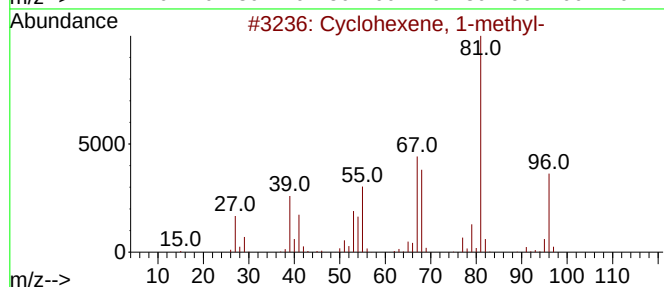
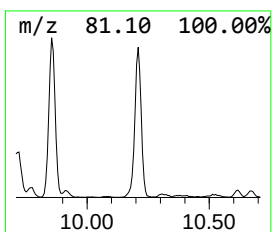
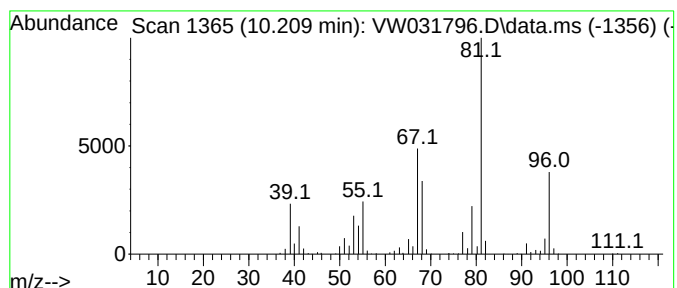
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Cyclohexene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.209	18.91 ug/l	590535	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	94
2			2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	93
3			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	90
4			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87
5			2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

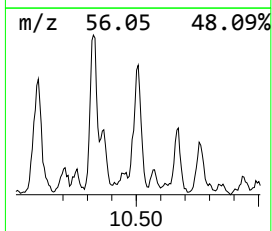
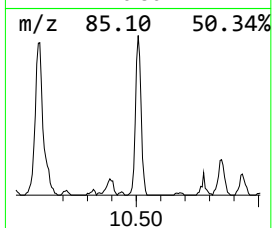
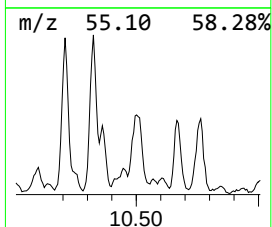
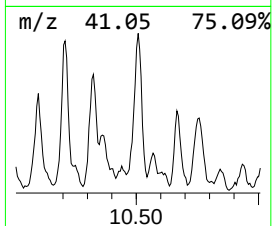
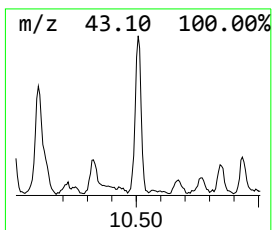
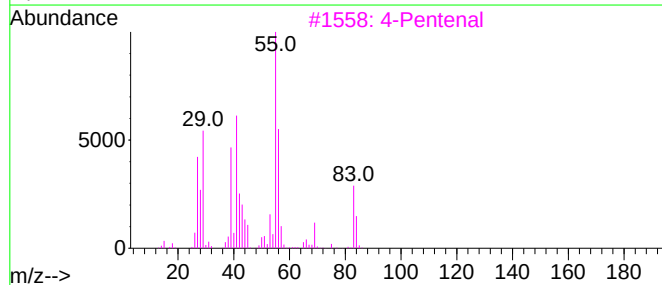
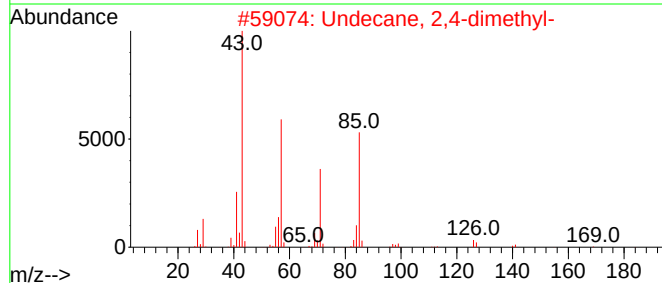
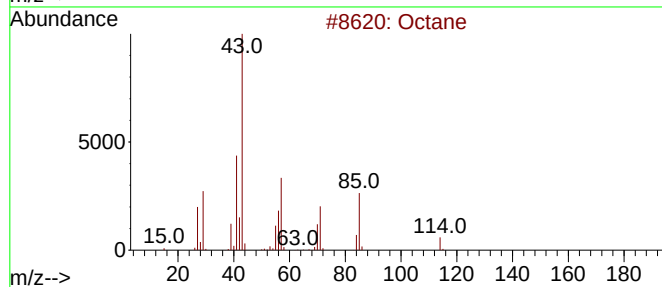
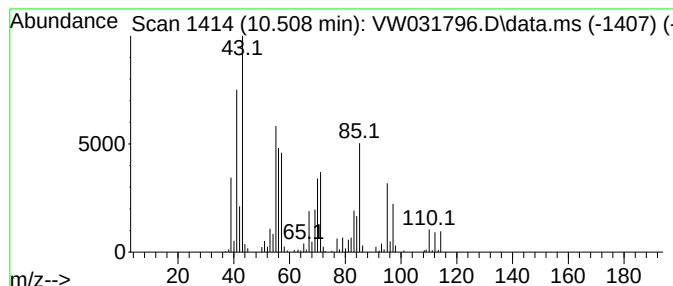
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown10.508 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.508	9.32 ug/l	214531	Chlorobenzene-d5	11.635	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	43
2	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	27
3	4-Pentenal	84	C5H8O	002100-17-6	25
4	Cycloheptane, methyl-	112	C8H16	004126-78-7	18
5	2-Octene, (E)-	112	C8H16	013389-42-9	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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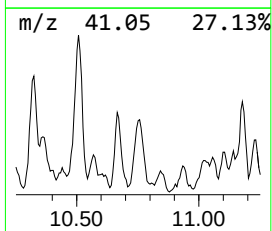
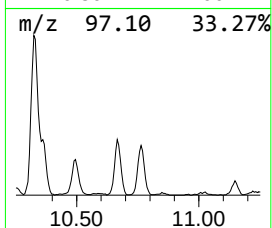
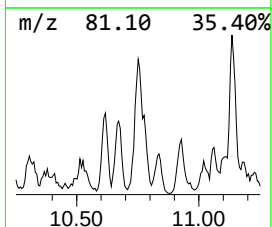
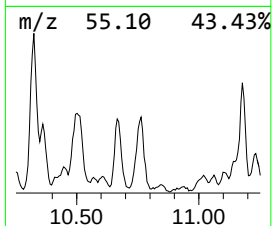
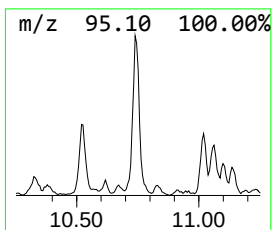
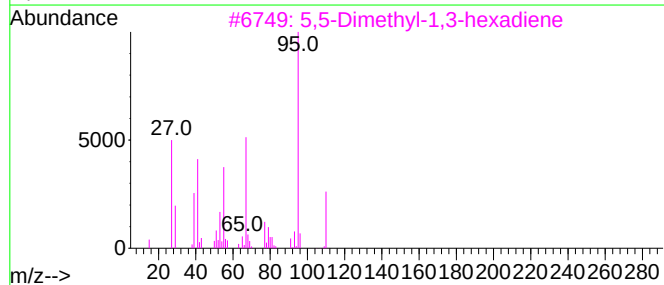
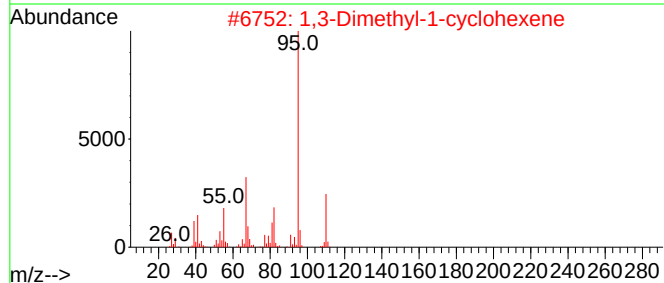
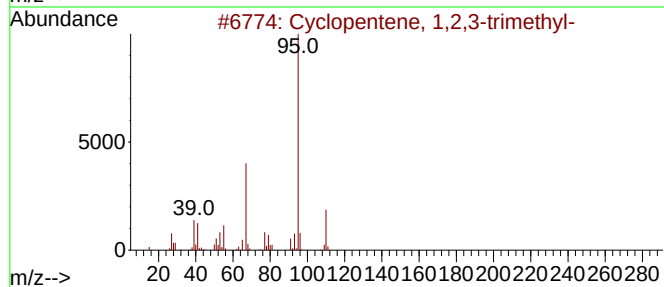
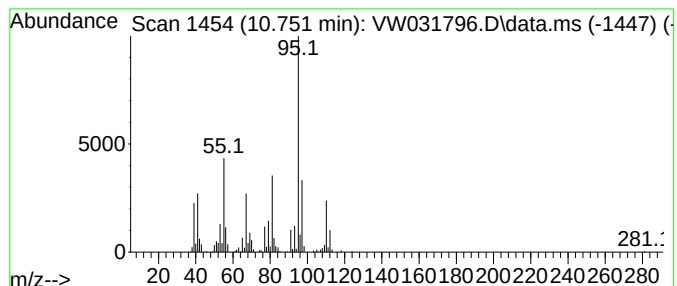
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.751	8.97 ug/l	206644	Chlorobenzene-d5	11.635

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	70
2		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	68
3		5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	58
4		1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	53
5		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

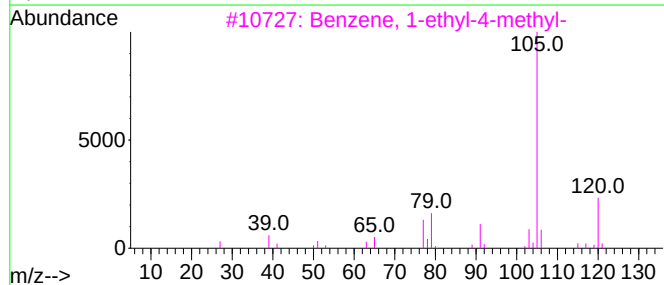
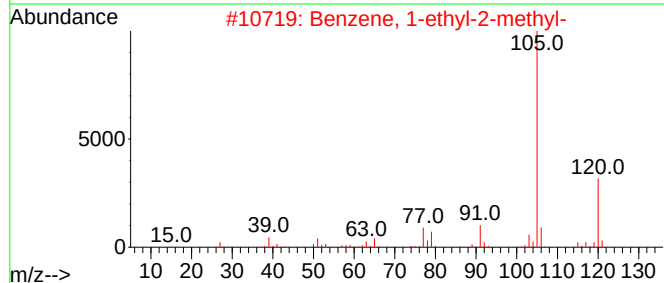
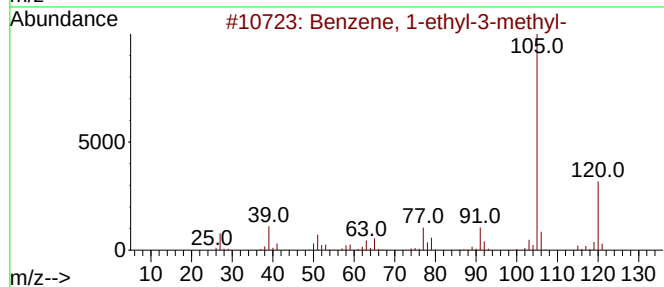
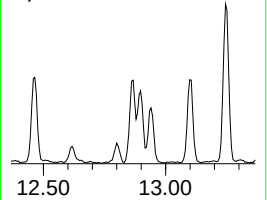
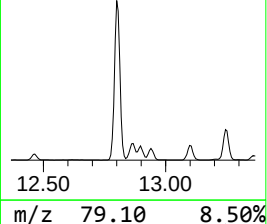
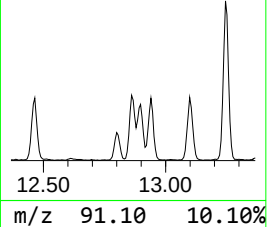
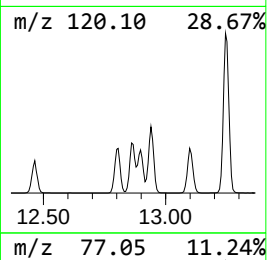
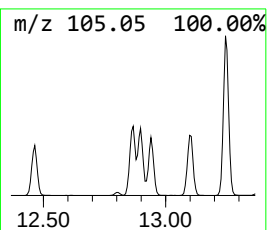
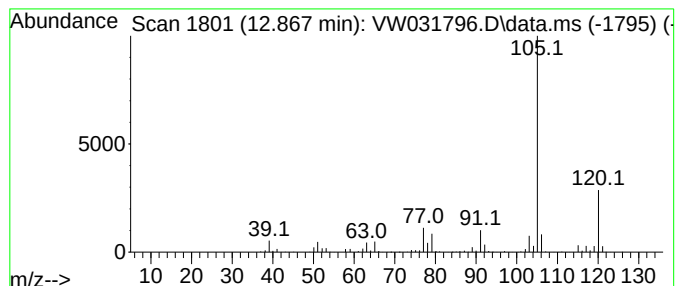
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.867	10.94 ug/l	837384	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4			Mesitylene	120	C9H12	000108-67-8	91
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

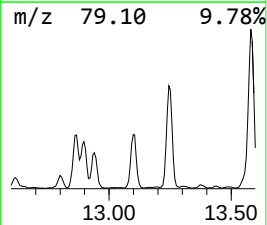
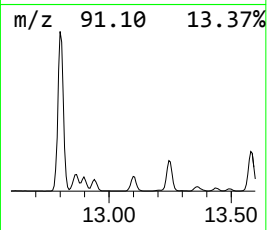
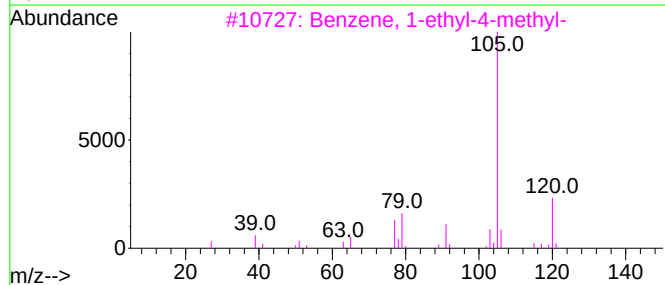
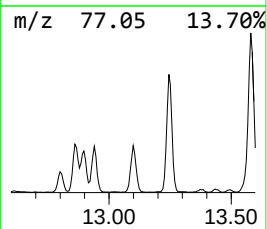
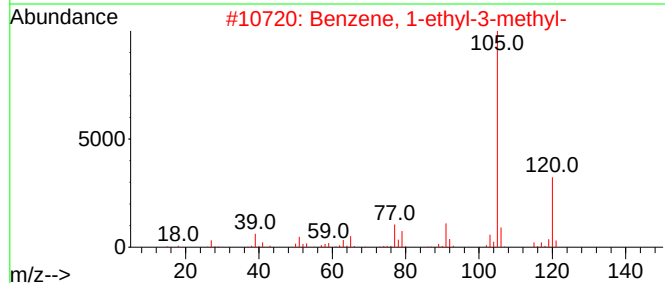
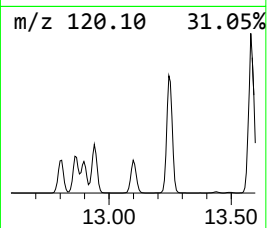
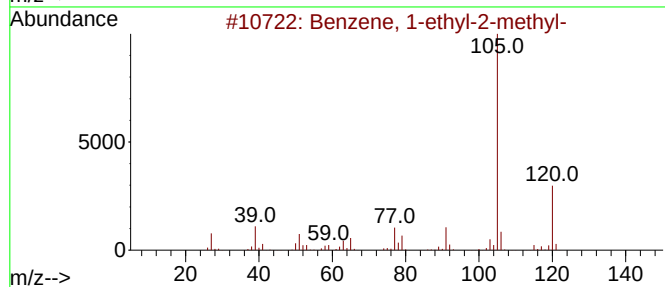
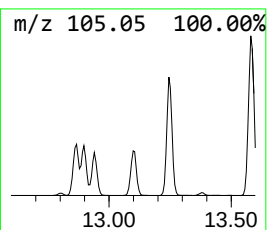
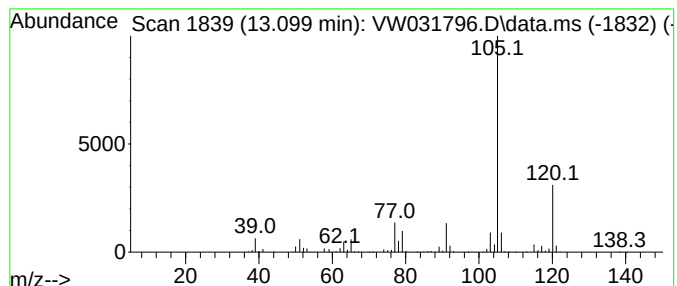
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.099	9.80 ug/l	750303	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5			Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

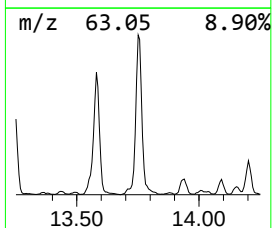
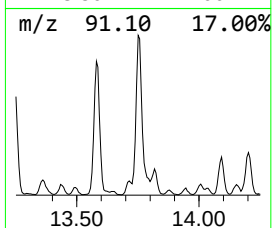
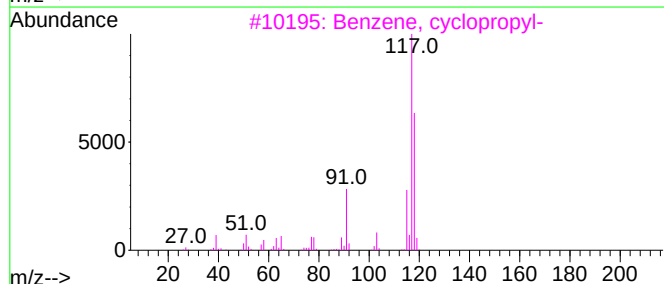
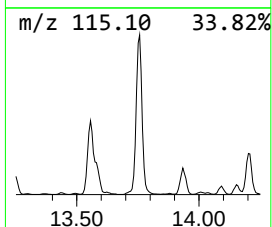
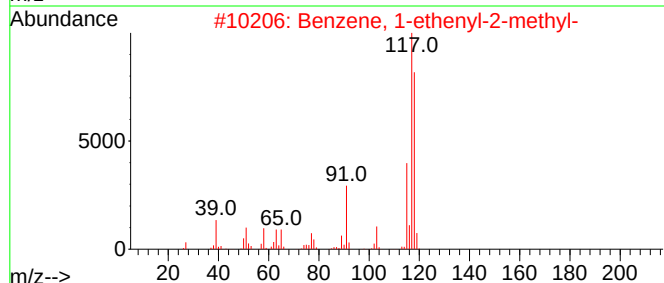
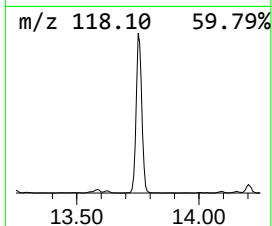
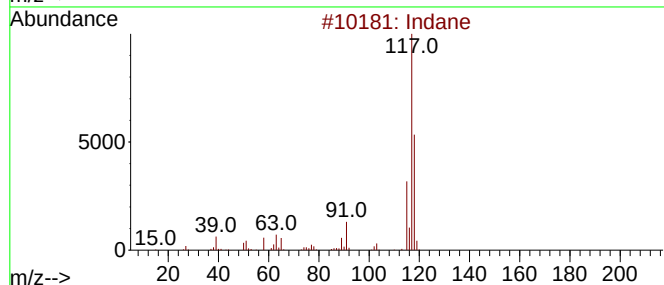
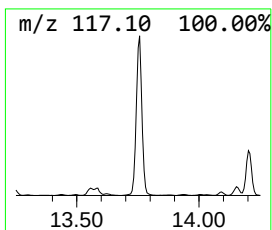
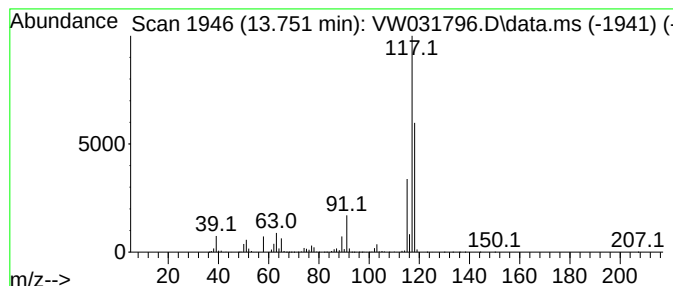
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	33.41 ug/l	2556650	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	91
2			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
3			Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4			7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	59
5			Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

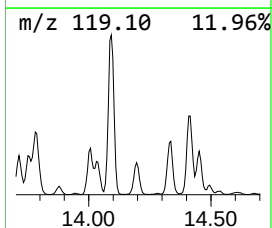
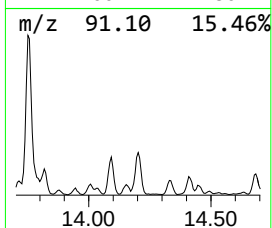
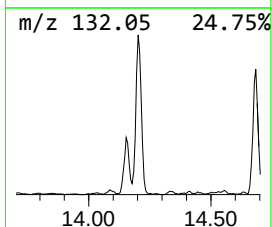
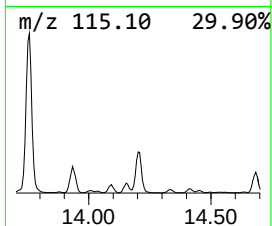
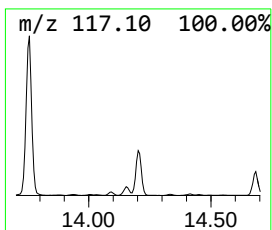
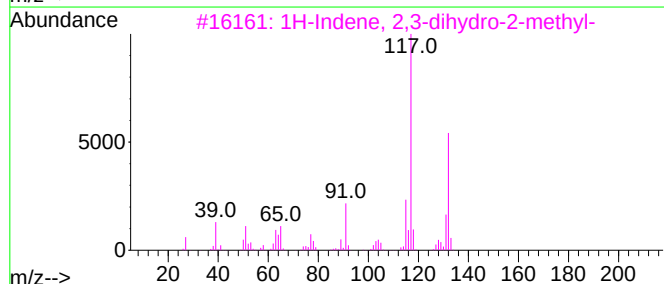
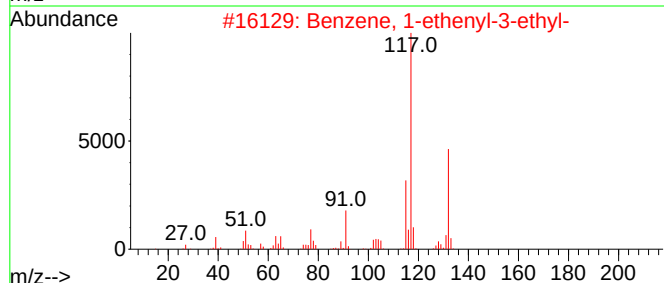
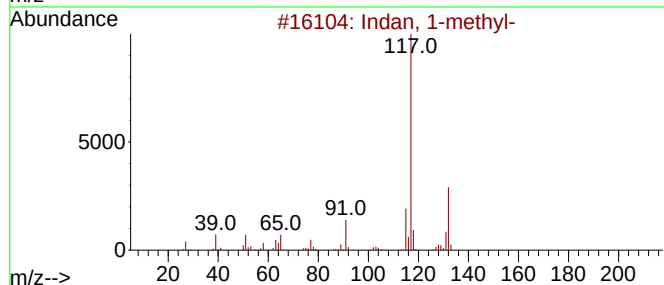
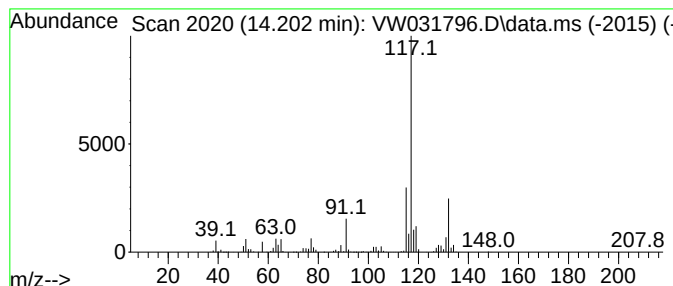
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Indan, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.202	8.15 ug/l	623469	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	87
2			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3			1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83
4			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5			Benzene, 2-butenyl-	132	C10H12	001560-06-1	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

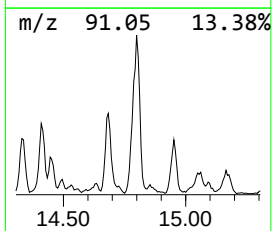
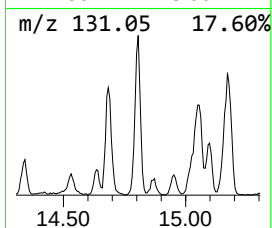
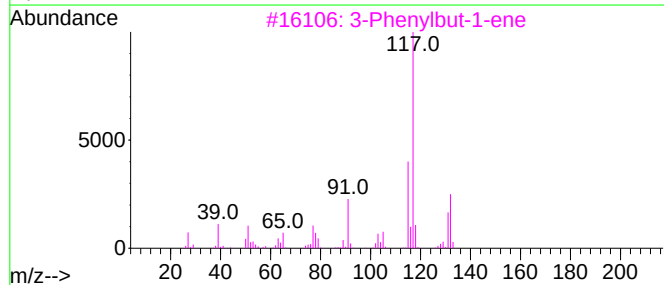
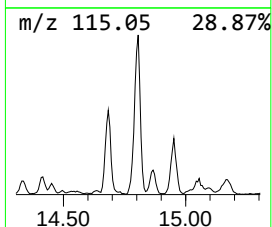
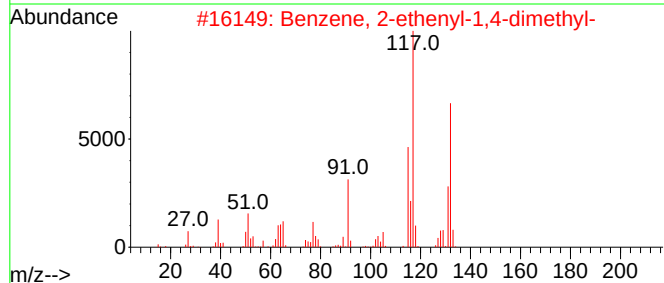
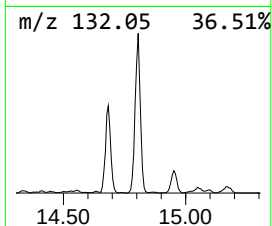
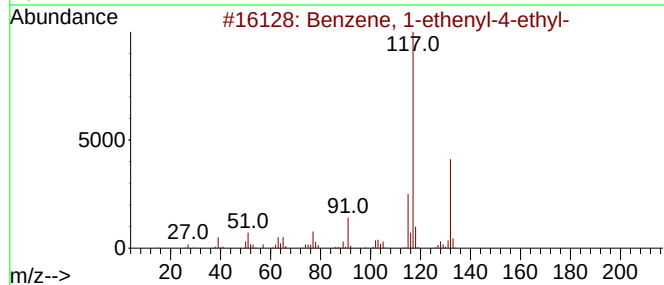
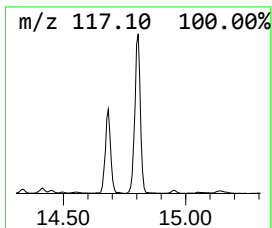
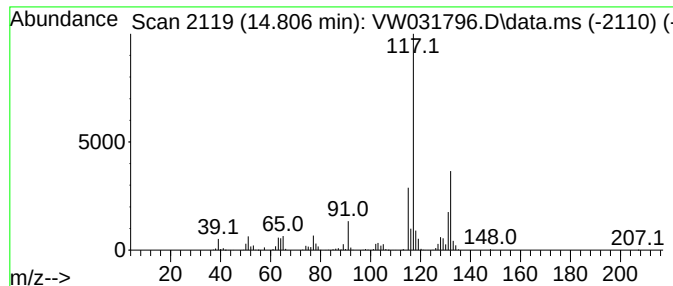
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.806	10.98 ug/l	840056	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031796.D
Acq On : 10 Jul 2025 12:41
Operator : SY/MD
Sample : Q2480-04
Misc : 7.35g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
n-Hexane	5.972	11.8	ug/l	327986	1	7.965	1390630	50.0
2-Pentene, 4-me...	6.319	8.9	ug/l	248811	1	7.965	1390630	50.0
Cyclopentane, m...	7.008	32.3	ug/l	897547	1	7.965	1390630	50.0
Cyclopentene, 1...	7.715	19.4	ug/l	540474	1	7.965	1390630	50.0
Cyclohexene	8.465	17.1	ug/l	532884	2	8.855	1561830	50.0
Heptane	8.703	8.0	ug/l	248985	2	8.855	1561830	50.0
Cyclobutane, (1...	9.855	13.2	ug/l	411256	2	8.855	1561830	50.0
Cyclohexene, 1-...	10.209	18.9	ug/l	590535	2	8.855	1561830	50.0
unknown10.508	10.508	9.3	ug/l	214531	3	11.635	1151510	50.0
Cyclopentene, 1...	10.751	9.0	ug/l	206644	3	11.635	1151510	50.0
Benzene, 1-ethy...	12.867	10.9	ug/l	837384	4	13.556	3826570	50.0
Benzene, 1-ethy...	13.099	9.8	ug/l	750303	4	13.556	3826570	50.0
Indane	13.751	33.4	ug/l	2556650	4	13.556	3826570	50.0
Indan, 1-methyl-	14.202	8.2	ug/l	623469	4	13.556	3826570	50.0
Benzene, 1-ethe...	14.806	11.0	ug/l	840056	4	13.556	3826570	50.0

Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX4ME		SDG No.:	Q2480	
Lab Sample ID:	Q2480-04ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	87.9	
Sample Wt/Vol:	7.83	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046966.D	1	07/14/25 12:27	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	41.4	UD	41.4	180	ug/Kg
74-87-3	Chloromethane	41.4	UD	41.4	180	ug/Kg
75-01-4	Vinyl Chloride	28.7	UD	28.7	180	ug/Kg
74-83-9	Bromomethane	38.9	UD	38.9	180	ug/Kg
75-00-3	Chloroethane	45.8	UD	45.8	180	ug/Kg
75-69-4	Trichlorofluoromethane	44.0	UD	44.0	180	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	38.5	UD	38.5	180	ug/Kg
75-35-4	1,1-Dichloroethene	36.3	UD	36.3	180	ug/Kg
67-64-1	Acetone	170	UD	170	910	ug/Kg
75-15-0	Carbon Disulfide	38.5	UD	38.5	180	ug/Kg
1634-04-4	Methyl tert-butyl Ether	26.5	UD	26.5	180	ug/Kg
79-20-9	Methyl Acetate	55.9	UD	55.9	180	ug/Kg
75-09-2	Methylene Chloride	130	UD	130	360	ug/Kg
156-60-5	trans-1,2-Dichloroethene	31.2	UD	31.2	180	ug/Kg
75-34-3	1,1-Dichloroethane	29.1	UD	29.1	180	ug/Kg
110-82-7	Cyclohexane	71.3	JD	28.7	180	ug/Kg
78-93-3	2-Butanone	240	UDQ	240	910	ug/Kg
56-23-5	Carbon Tetrachloride	35.2	UD	35.2	180	ug/Kg
156-59-2	cis-1,2-Dichloroethene	27.2	UD	27.2	180	ug/Kg
74-97-5	Bromochloromethane	41.8	UD	41.8	180	ug/Kg
67-66-3	Chloroform	30.5	UD	30.5	180	ug/Kg
71-55-6	1,1,1-Trichloroethane	33.8	UD	33.8	180	ug/Kg
108-87-2	Methylcyclohexane	110	JD	33.1	180	ug/Kg
71-43-2	Benzene	28.7	UD	28.7	180	ug/Kg
107-06-2	1,2-Dichloroethane	28.7	UD	28.7	180	ug/Kg
79-01-6	Trichloroethene	29.4	UD	29.4	180	ug/Kg
78-87-5	1,2-Dichloropropane	33.1	UD	33.1	180	ug/Kg
75-27-4	Bromodichloromethane	28.3	UD	28.3	180	ug/Kg
108-10-1	4-Methyl-2-Pentanone	130	UDQ	130	910	ug/Kg
108-88-3	Toluene	38.0	JD	28.3	180	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX4ME	SDG No.:	Q2480
Lab Sample ID:	Q2480-04ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.9
Sample Wt/Vol:	7.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046966.D	1	07/14/25 12:27	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	23.6	UD	23.6	180	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.5	UD	22.5	180	ug/Kg
79-00-5	1,1,2-Trichloroethane	33.4	UD	33.4	180	ug/Kg
591-78-6	2-Hexanone	130	UDQ	130	910	ug/Kg
124-48-1	Dibromochloromethane	31.6	UD	31.6	180	ug/Kg
106-93-4	1,2-Dibromoethane	32.0	UD	32.0	180	ug/Kg
127-18-4	Tetrachloroethene	38.1	UD	38.1	180	ug/Kg
108-90-7	Chlorobenzene	33.1	UD	33.1	180	ug/Kg
100-41-4	Ethyl Benzene	430	D	24.3	180	ug/Kg
179601-23-1	m/p-Xylenes	75.9	JD	45.0	360	ug/Kg
95-47-6	o-Xylene	29.8	UD	29.8	180	ug/Kg
100-42-5	Styrene	25.8	UD	25.8	180	ug/Kg
75-25-2	Bromoform	31.2	UD	31.2	180	ug/Kg
98-82-8	Isopropylbenzene	28.3	UD	28.3	180	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	44.0	UD	44.0	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.1	UD	62.1	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.7	UD	56.7	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.7	UD	52.7	180	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	66.8	UD	66.8	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	UD	110	180	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	120	UD	120	180	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	48.9		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		17 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	315000	5.556			
540-36-3	1,4-Difluorobenzene	536000	6.763			
3114-55-4	Chlorobenzene-d5	491000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	248000	12.018			

Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25
Project:	Lexington		Date Received:	07/01/25
Client Sample ID:	GPX4ME		SDG No.:	Q2480
Lab Sample ID:	Q2480-04ME		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	87.9
Sample Wt/Vol:	7.83	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046966.D	1	07/14/25 12:27	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046966.D
 Acq On : 14 Jul 2025 12:27
 Operator : JC/MD
 Sample : Q2480-04ME
 Misc : 7.83g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GPX4ME

Quant Time: Jul 15 01:17:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

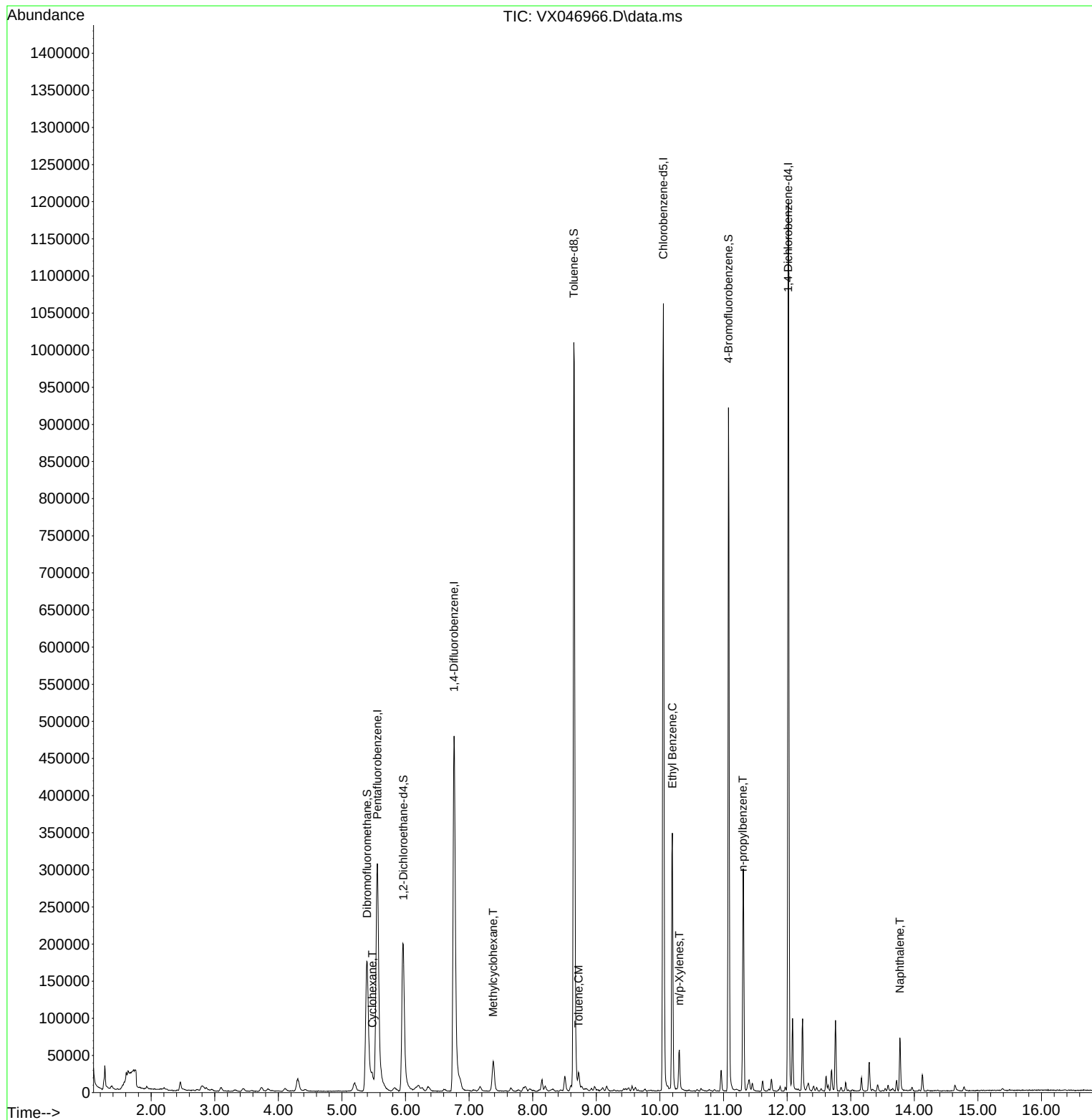
Internal Standards						
1) Pentafluorobenzene	5.556	168	315290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	536279	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	490599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	247915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	218114	52.365	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.720%			
35) Dibromofluoromethane	5.397	113	175195	48.127	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.260%			
50) Toluene-d8	8.646	98	628116	48.905	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.800%			
62) 4-Bromofluorobenzene	11.079	95	248231	50.853	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.700%			
Target Compounds						
					Qvalue	
31) Cyclohexane	5.476	56	11696	1.964	ug/l	94
39) Methylcyclohexane	7.378	83	18925	3.080	ug/l	99
52) Toluene	8.720	92	9641	1.047	ug/l	97
67) Ethyl Benzene	10.195	91	213257	11.740	ug/l	99
68) m/p-Xylenes	10.305	106	14307	2.090	ug/l	98
78) n-propylbenzene	11.305	91	27785	1.322	ug/l	98
95) Naphthalene	13.774	128	48368	3.434	ug/l	98

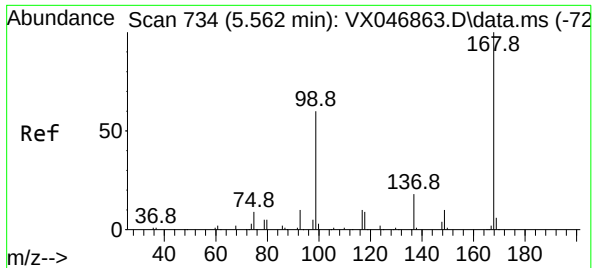
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046966.D
Acq On : 14 Jul 2025 12:27
Operator : JC/MD
Sample : Q2480-04ME
Misc : 7.83g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX4ME

Quant Time: Jul 15 01:17:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

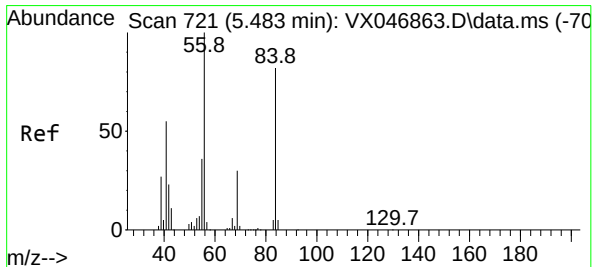
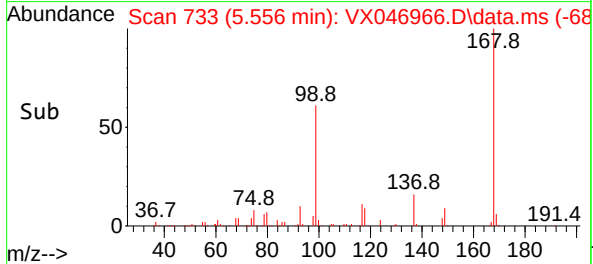
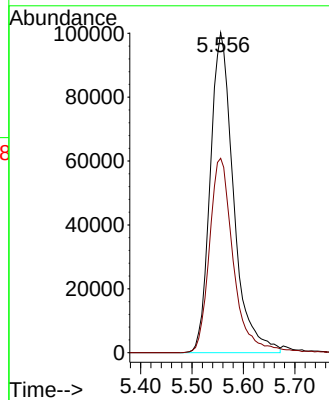
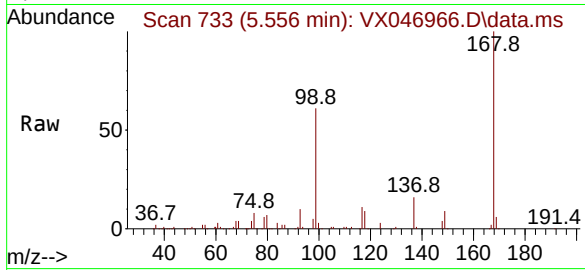




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046966.D
Acq: 14 Jul 2025 12:27

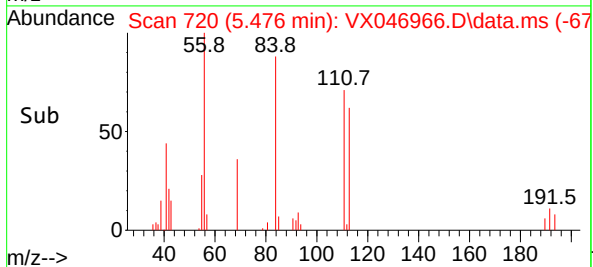
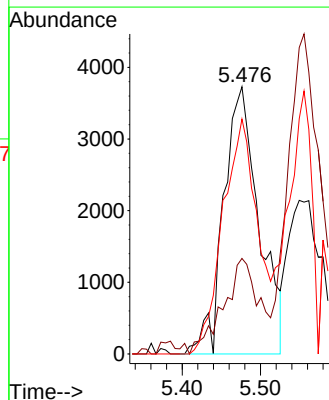
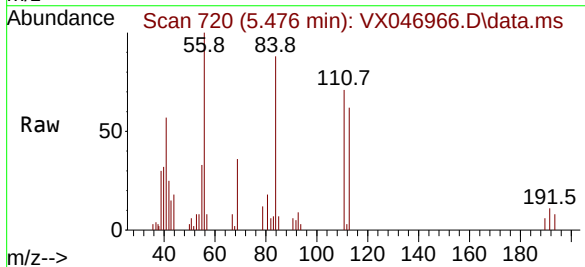
Instrument :
MSVOA_X
ClientSampleId :
GPX4ME

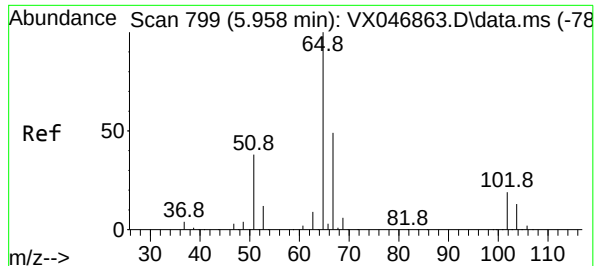
Tgt Ion:168 Resp: 315290
Ion Ratio Lower Upper
168 100
99 60.8 48.8 73.2



#31
Cyclohexane
Concen: 1.964 ug/l
RT: 5.476 min Scan# 720
Delta R.T. -0.006 min
Lab File: VX046966.D
Acq: 14 Jul 2025 12:27

Tgt Ion: 56 Resp: 11696
Ion Ratio Lower Upper
56 100
69 33.9 24.0 36.0
84 87.9 66.5 99.7





#33

1,2-Dichloroethane-d4

Concen: 52.365 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX046966.D

Acq: 14 Jul 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

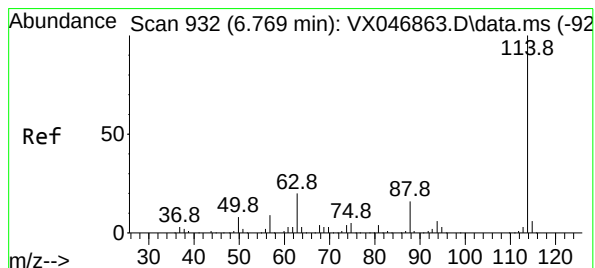
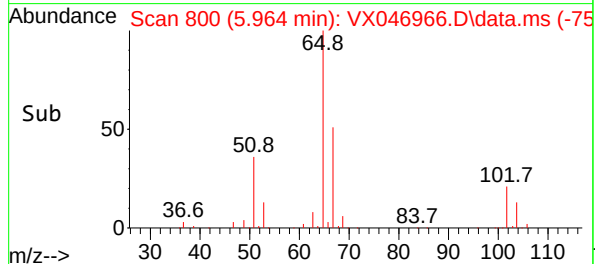
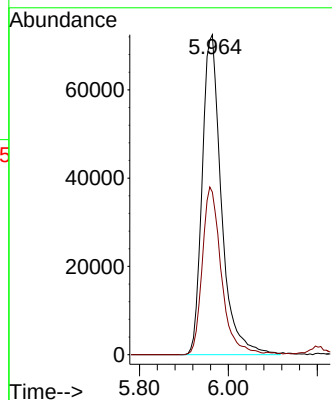
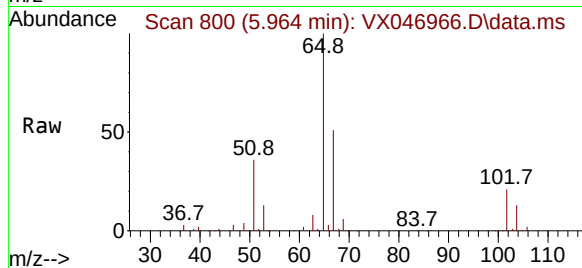
GPX4ME

Tgt Ion: 65 Resp: 218114

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX046966.D

Acq: 14 Jul 2025 12:27

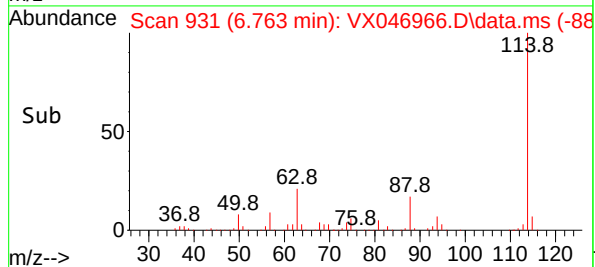
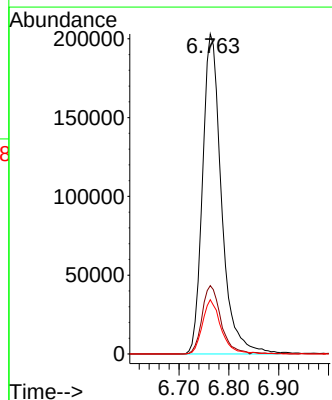
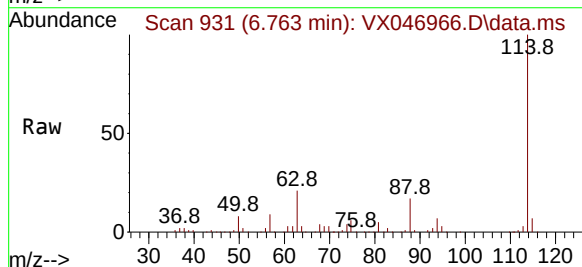
Tgt Ion: 114 Resp: 536279

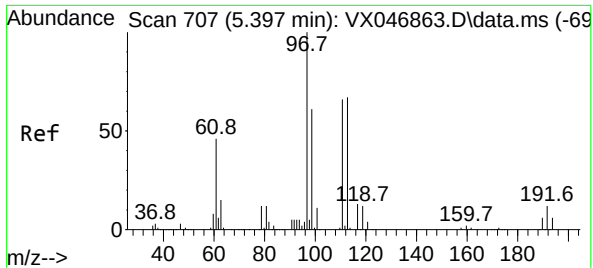
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.4

88 16.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.127 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046966.D

Acq: 14 Jul 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

GPX4ME

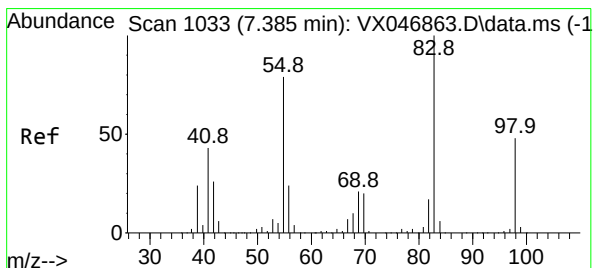
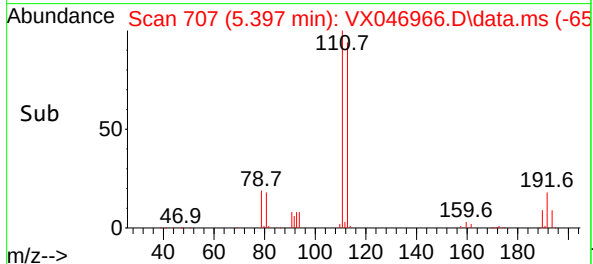
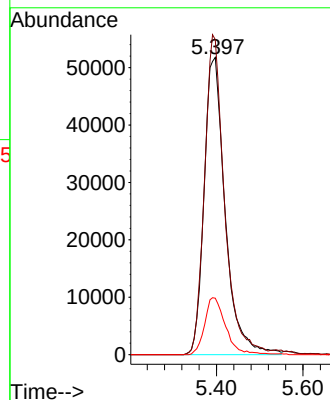
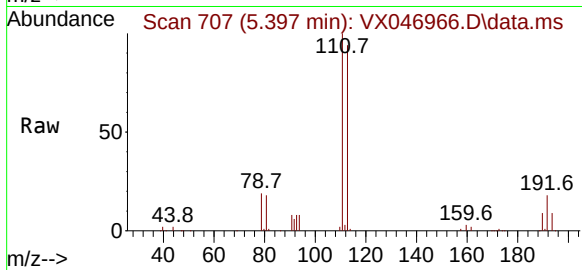
Tgt Ion:113 Resp: 175195

Ion Ratio Lower Upper

113 100

111 102.1 81.2 121.8

192 19.1 15.3 22.9



#39

Methylcyclohexane

Concen: 3.080 ug/l

RT: 7.378 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX046966.D

Acq: 14 Jul 2025 12:27

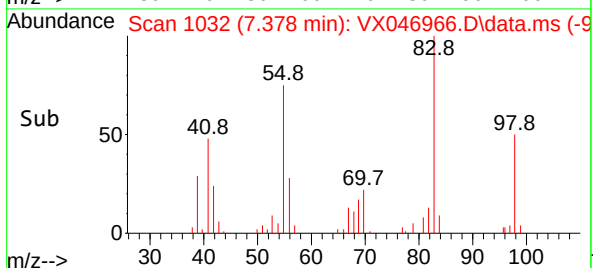
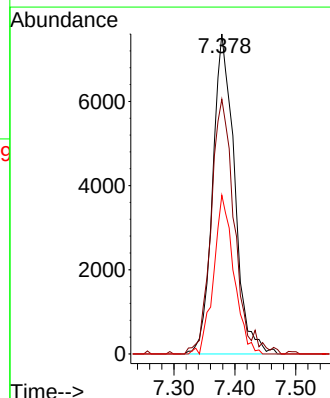
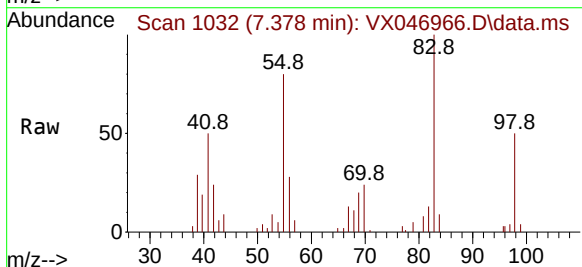
Tgt Ion: 83 Resp: 18925

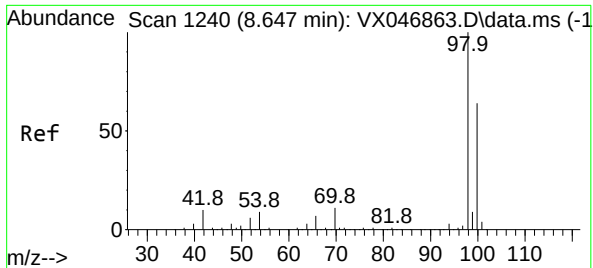
Ion Ratio Lower Upper

83 100

55 79.6 63.0 94.4

98 49.6 38.5 57.7

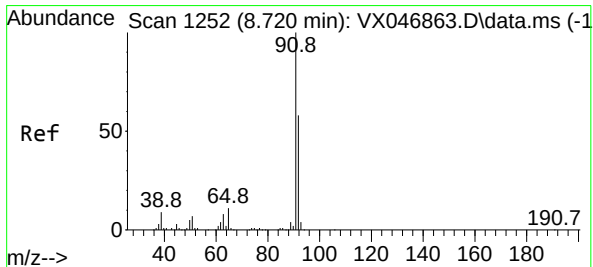
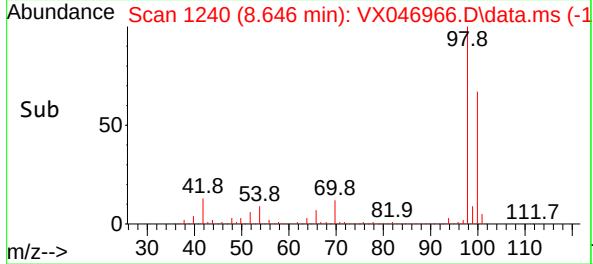
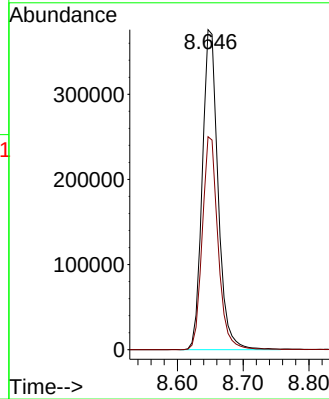
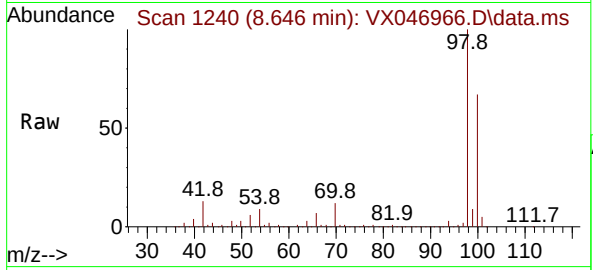




#50
Toluene-d8
Concen: 48.905 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046966.D
Acq: 14 Jul 2025 12:27

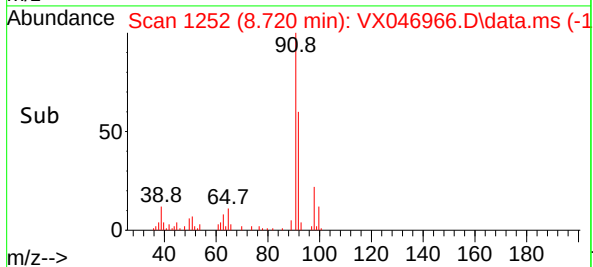
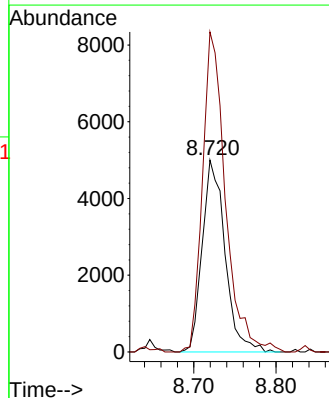
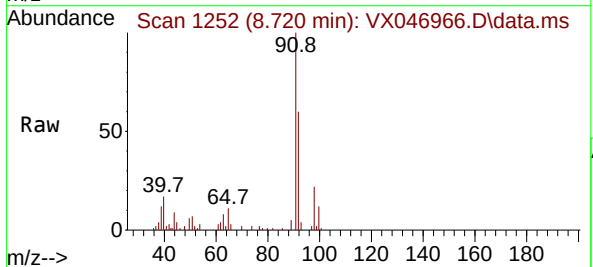
Instrument :
MSVOA_X
ClientSampleId :
GPX4ME

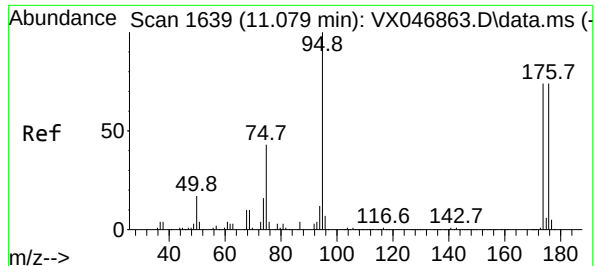
Tgt Ion: 98 Resp: 628116
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.6



#52
Toluene
Concen: 1.047 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046966.D
Acq: 14 Jul 2025 12:27

Tgt Ion: 92 Resp: 9641
Ion Ratio Lower Upper
92 100
91 167.7 137.9 206.9





#62

4-Bromofluorobenzene

Concen: 50.853 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046966.D

Acq: 14 Jul 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

GPX4ME

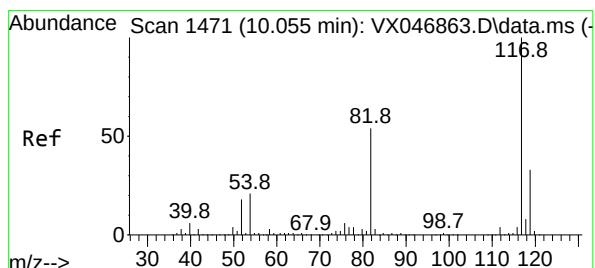
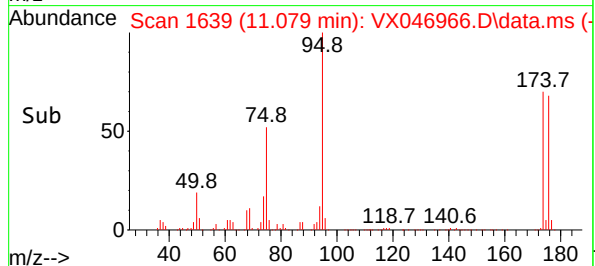
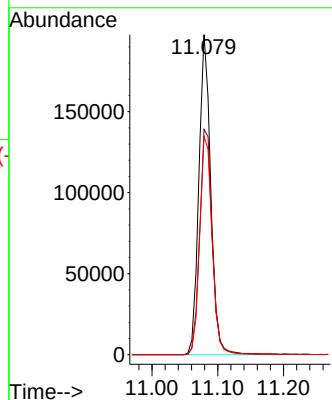
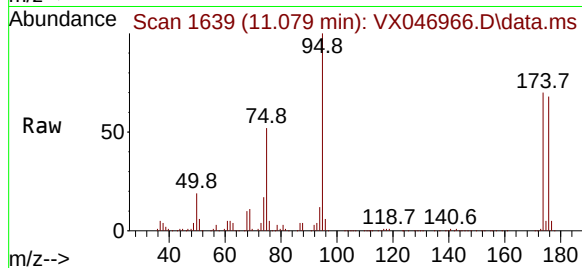
Tgt Ion: 95 Resp: 248231

Ion Ratio Lower Upper

95 100

174 74.7 0.0 152.0

176 71.6 0.0 145.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX046966.D

Acq: 14 Jul 2025 12:27

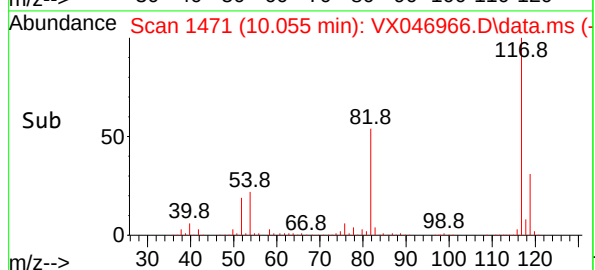
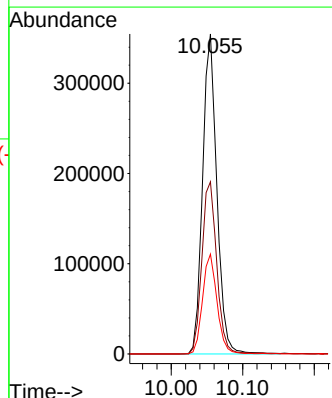
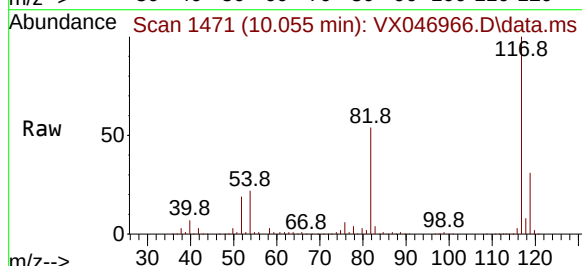
Tgt Ion: 117 Resp: 490599

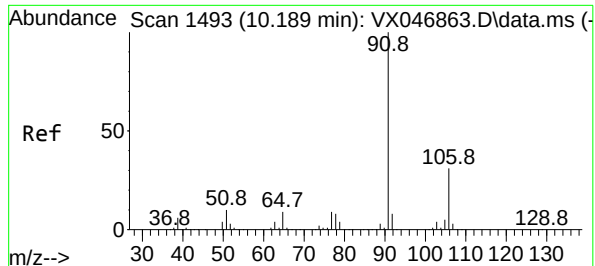
Ion Ratio Lower Upper

117 100

82 53.8 43.3 64.9

119 31.2 26.4 39.6





#67

Ethyl Benzene

Concen: 11.740 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046966.D

Acq: 14 Jul 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

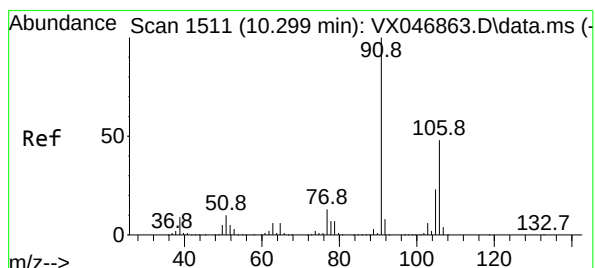
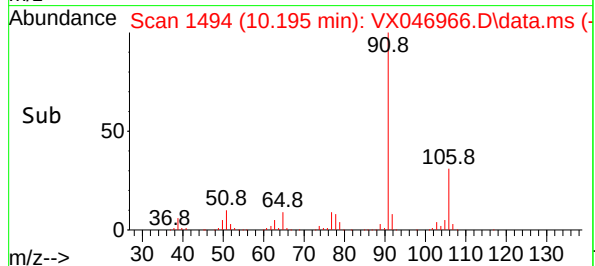
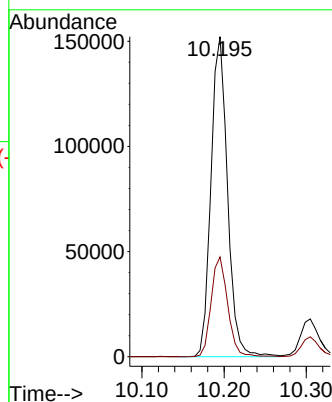
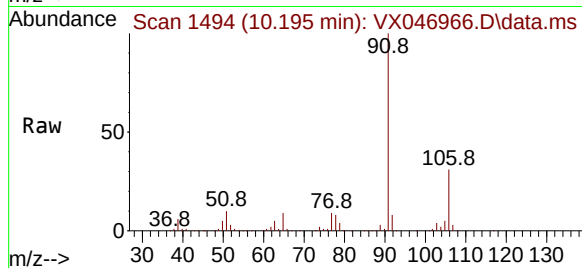
GPX4ME

Tgt Ion: 91 Resp: 213257

Ion Ratio Lower Upper

91 100

106 31.2 24.4 36.6



#68

m/p-Xylenes

Concen: 2.090 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046966.D

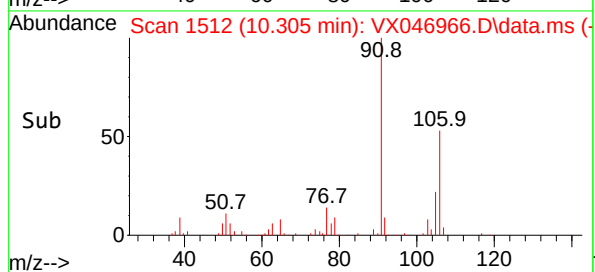
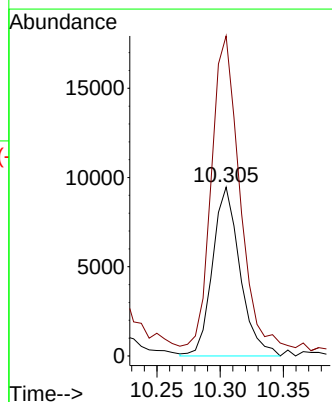
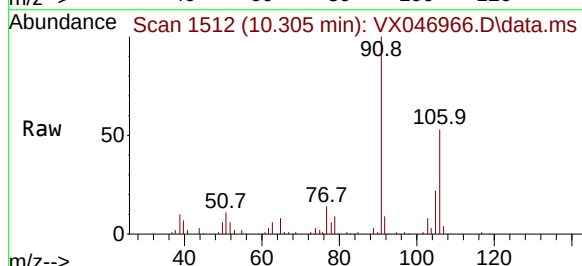
Acq: 14 Jul 2025 12:27

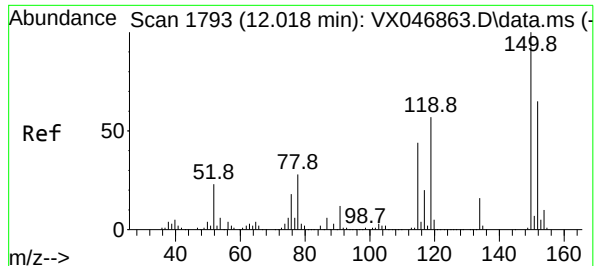
Tgt Ion: 106 Resp: 14307

Ion Ratio Lower Upper

106 100

91 202.2 164.6 246.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046966.D

Acq: 14 Jul 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

GPX4ME

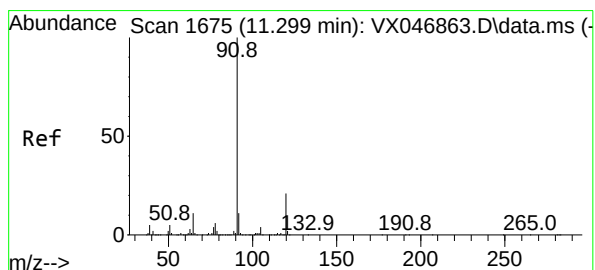
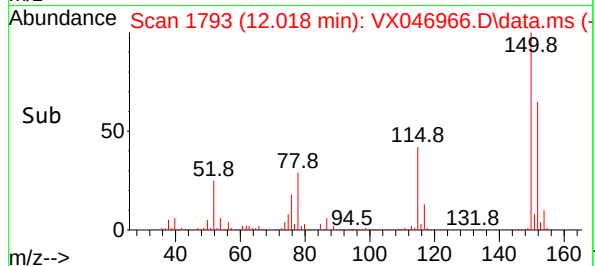
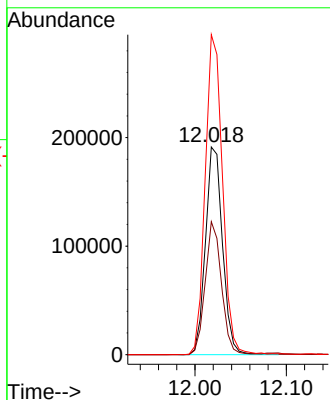
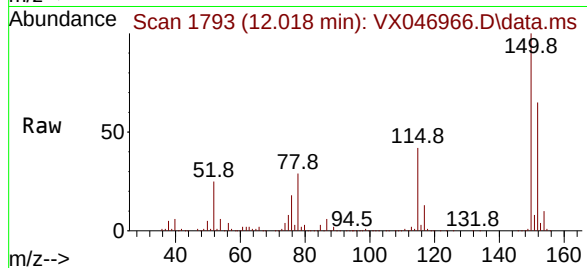
Tgt Ion:152 Resp: 247915

Ion Ratio Lower Upper

152 100

115 60.8 42.4 127.1

150 155.9 0.0 349.2



#78

n-propylbenzene

Concen: 1.322 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX046966.D

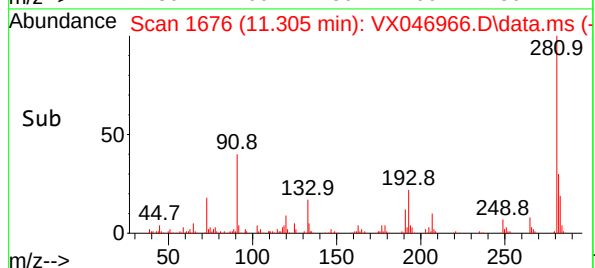
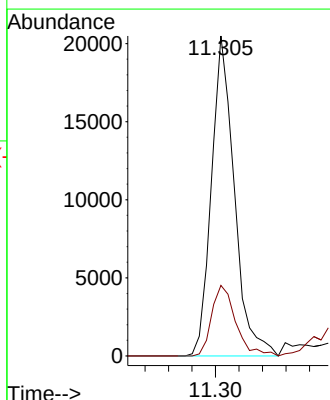
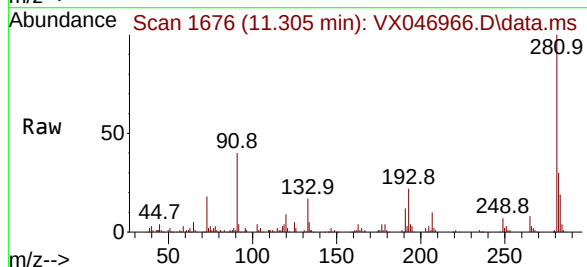
Acq: 14 Jul 2025 12:27

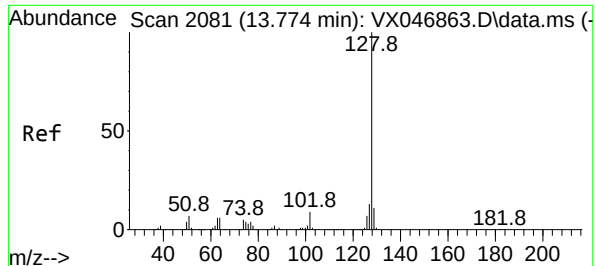
Tgt Ion: 91 Resp: 27785

Ion Ratio Lower Upper

91 100

120 23.1 11.2 33.5





#95

Naphthalene

Concen: 3.434 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX046966.D

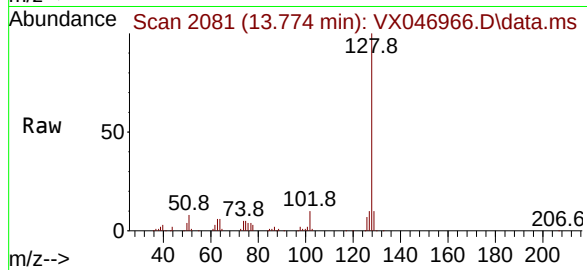
Acq: 14 Jul 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

GPX4ME



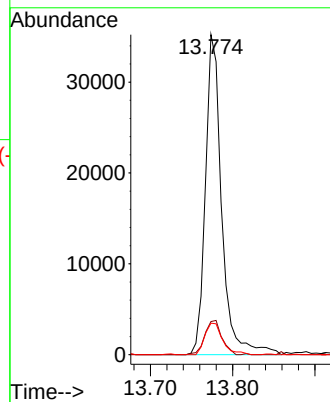
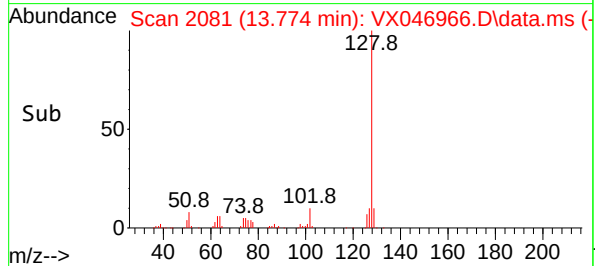
Tgt Ion:128 Resp: 48368

Ion Ratio Lower Upper

128 100

127 11.2 10.2 15.4

129 10.8 8.6 13.0



Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX5		SDG No.:	Q2480	
Lab Sample ID:	Q2480-05		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	89.5	
Sample Wt/Vol:	8.59	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046955.D	10	07/10/25 18:59	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	370	U	370	1600	ug/Kg
74-87-3	Chloromethane	370	U	370	1600	ug/Kg
75-01-4	Vinyl Chloride	260	U	260	1600	ug/Kg
74-83-9	Bromomethane	350	UQ	350	1600	ug/Kg
75-00-3	Chloroethane	410	U	410	1600	ug/Kg
75-69-4	Trichlorofluoromethane	390	U	390	1600	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	340	U	340	1600	ug/Kg
75-35-4	1,1-Dichloroethene	330	U	330	1600	ug/Kg
67-64-1	Acetone	1500	U	1500	8100	ug/Kg
75-15-0	Carbon Disulfide	340	U	340	1600	ug/Kg
1634-04-4	Methyl tert-butyl Ether	240	U	240	1600	ug/Kg
79-20-9	Methyl Acetate	500	U	500	1600	ug/Kg
75-09-2	Methylene Chloride	1100	U	1100	3300	ug/Kg
156-60-5	trans-1,2-Dichloroethene	280	U	280	1600	ug/Kg
75-34-3	1,1-Dichloroethane	260	U	260	1600	ug/Kg
110-82-7	Cyclohexane	260	U	260	1600	ug/Kg
78-93-3	2-Butanone	2100	U	2100	8100	ug/Kg
56-23-5	Carbon Tetrachloride	320	U	320	1600	ug/Kg
156-59-2	cis-1,2-Dichloroethene	240	U	240	1600	ug/Kg
74-97-5	Bromochloromethane	370	U	370	1600	ug/Kg
67-66-3	Chloroform	270	U	270	1600	ug/Kg
71-55-6	1,1,1-Trichloroethane	300	U	300	1600	ug/Kg
108-87-2	Methylcyclohexane	8500		300	1600	ug/Kg
71-43-2	Benzene	260	U	260	1600	ug/Kg
107-06-2	1,2-Dichloroethane	260	U	260	1600	ug/Kg
79-01-6	Trichloroethene	260	U	260	1600	ug/Kg
78-87-5	1,2-Dichloropropane	300	U	300	1600	ug/Kg
75-27-4	Bromodichloromethane	250	U	250	1600	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1200	U	1200	8100	ug/Kg
108-88-3	Toluene	250	U	250	1600	ug/Kg

Report of Analysis

Client:	G Environmental			Date Collected:	07/01/25	
Project:	Lexington			Date Received:	07/01/25	
Client Sample ID:	GPX5			SDG No.:	Q2480	
Lab Sample ID:	Q2480-05			Matrix:	SOIL	
Analytical Method:	8260D			% Solid:	89.5	
Sample Wt/Vol:	8.59	Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:	100		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID :	0.18	Level :	MED	
Prep Method :						

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046955.D	10	07/10/25 18:59	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	210	U	210	1600	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	200	U	200	1600	ug/Kg
79-00-5	1,1,2-Trichloroethane	300	U	300	1600	ug/Kg
591-78-6	2-Hexanone	1200	U	1200	8100	ug/Kg
124-48-1	Dibromochloromethane	280	U	280	1600	ug/Kg
106-93-4	1,2-Dibromoethane	290	U	290	1600	ug/Kg
127-18-4	Tetrachloroethene	340	U	340	1600	ug/Kg
108-90-7	Chlorobenzene	300	U	300	1600	ug/Kg
100-41-4	Ethyl Benzene	11600		220	1600	ug/Kg
179601-23-1	m/p-Xylenes	14000		400	3300	ug/Kg
95-47-6	o-Xylene	270	U	270	1600	ug/Kg
100-42-5	Styrene	230	U	230	1600	ug/Kg
75-25-2	Bromoform	280	U	280	1600	ug/Kg
98-82-8	Isopropylbenzene	3200		250	1600	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	390	U	390	1600	ug/Kg
541-73-1	1,3-Dichlorobenzene	560	U	560	1600	ug/Kg
106-46-7	1,4-Dichlorobenzene	510	U	510	1600	ug/Kg
95-50-1	1,2-Dichlorobenzene	470	U	470	1600	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	600	U	600	1600	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	970	U	970	1600	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1000	U	1000	1600	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.0	63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9	70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.9	74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8	17 - 146	100%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	265000	5.562
540-36-3	1,4-Difluorobenzene	461000	6.769
3114-55-4	Chlorobenzene-d5	408000	10.055
3855-82-1	1,4-Dichlorobenzene-d4	193000	12.018

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX5	SDG No.:	Q2480
Lab Sample ID:	Q2480-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	8.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046955.D	10	07/10/25 18:59	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
74-88-4	Methyl Iodide	340	J		2.48	ug/Kg
000592-27-8	Heptane, 2-methyl-	13000	J		8.28	ug/Kg
000111-65-9	Octane	17500	J		8.91	ug/Kg
002216-34-4	Octane, 4-methyl-	21100	J		9.90	ug/Kg
000111-84-2	Nonane	26700	J		10.4	ug/Kg
005911-04-6	Nonane, 3-methyl-	14100	J		10.8	ug/Kg
103-65-1	n-propylbenzene	10700	J		11.3	ug/Kg
000622-96-8	Benzene, 1-ethyl-4-methyl-	27000	J		11.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	21600	J		11.5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	84000	J		11.8	ug/Kg
135-98-8	sec-Butylbenzene	1800	J		11.9	ug/Kg
99-87-6	p-Isopropyltoluene	1600	J		12.0	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	27300	J		12.1	ug/Kg
1000191-13-7	Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	28000	J		12.2	ug/Kg
104-51-8	n-Butylbenzene	5400	J		12.3	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	15500	J		12.5	ug/Kg
000527-84-4	o-Cymene	13200	J		12.6	ug/Kg
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	25700	J		12.6	ug/Kg
000768-49-0	Benzene, (2-methyl-1-propenyl)-	15100	J		12.7	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	15800	J		12.9	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	18800	J		13.0	ug/Kg
000767-58-8	Indan, 1-methyl-	21900	J		13.3	ug/Kg
91-20-3	Naphthalene	14600	J		13.8	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046955.D
 Acq On : 10 Jul 2025 18:59
 Operator : JC/MD
 Sample : Q2480-05 10X
 Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GPX5

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/11/2025
 Supervised By : Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:37:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	264865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	461340	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	407988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	192639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	178446	50.997	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.000%			
35) Dibromofluoromethane	5.397	113	150084	47.926	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.860%			
50) Toluene-d8	8.653	98	551801	49.942	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.880%			
62) 4-Bromofluorobenzene	11.079	95	209010	49.774	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.540%			
Target Compounds					Qvalue	
10) Methyl Iodide	2.477	142	3359	1.038	ug/l	98
20) Methylene Chloride	2.800	84	4732	1.472	ug/l #	91
39) Methylcyclohexane	7.385	83	138585	26.221	ug/l	97
67) Ethyl Benzene	10.195	91	537747	35.598	ug/l	100
68) m/p-Xylenes	10.305	106	244497	42.953	ug/l	100
73) Isopropylbenzene	10.964	105	131839	9.736	ug/l	98
78) n-propylbenzene	11.305	91	537745	32.932	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	729271	66.276	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	2871740	258.206	ug/l	98
85) sec-Butylbenzene	11.890	105	78727m	5.494	ug/l	
86) p-Isopropyltoluene	12.006	119	57560	4.797	ug/l	97
89) n-Butylbenzene	12.329	91	188897m	16.754	ug/l	
94) Hexachlorobutadiene	13.719	225	2078	1.327	ug/l	95
95) Naphthalene	13.774	128	492847	45.035	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

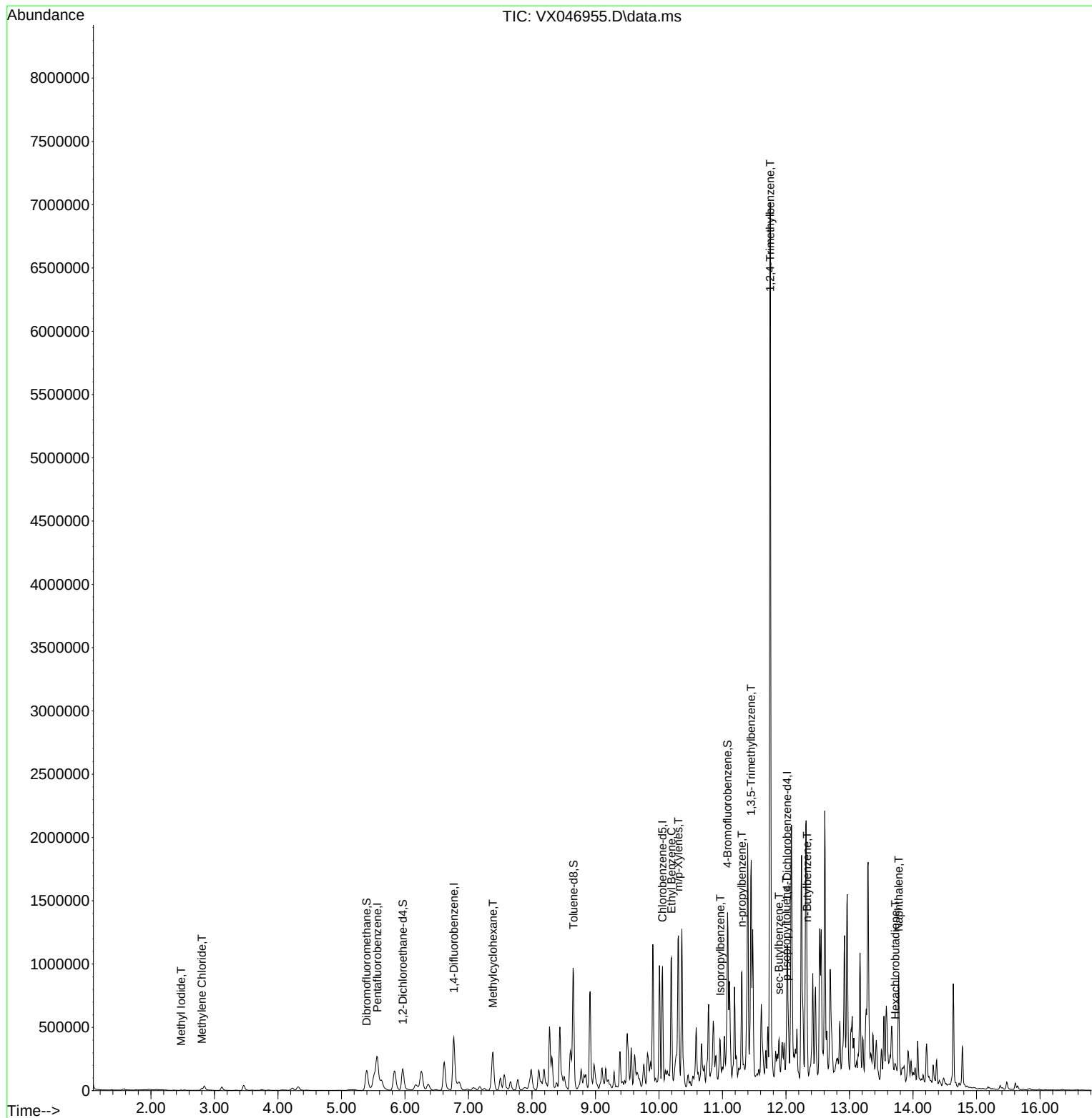
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Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

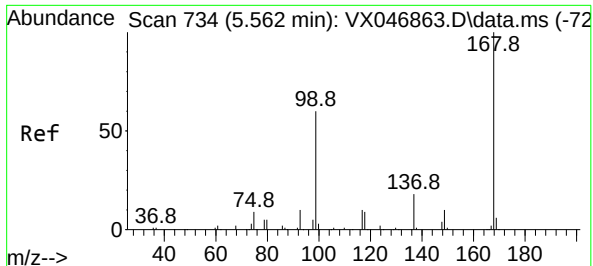
Instrument :
MSVOA_X
ClientSampleId :
GPX5

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/11/2025
Supervised By : Mahesh Dadoda 07/14/2025

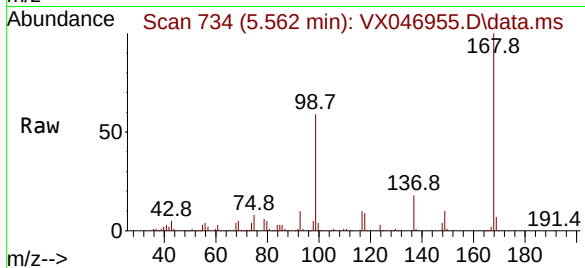
Quant Time: Jul 11 01:37:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046955.D
Acq: 10 Jul 2025 18:59

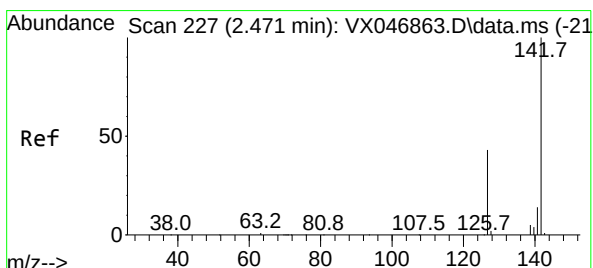
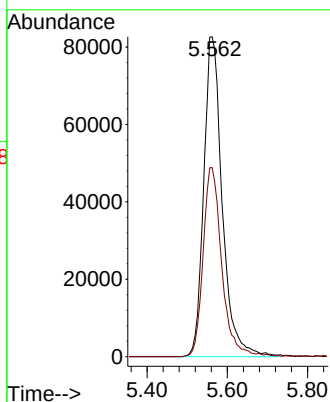
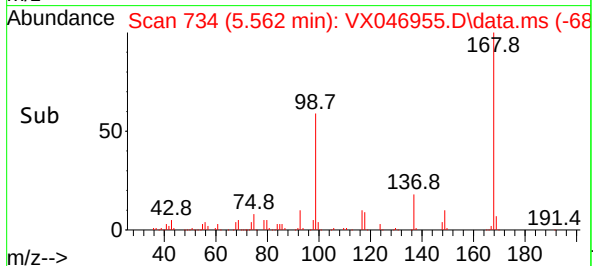
Instrument :
MSVOA_X
ClientSampleId :
GPX5



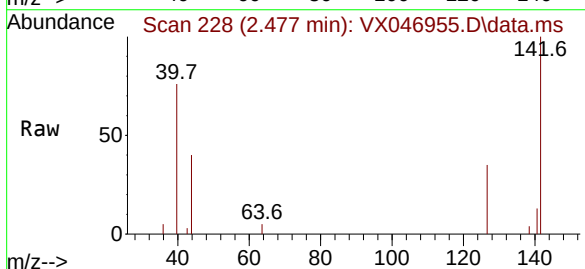
Tgt Ion:168 Resp: 26486
Ion Ratio Lower Upper
168 100
99 59.1 48.8 73.2

Manual Integrations
APPROVED

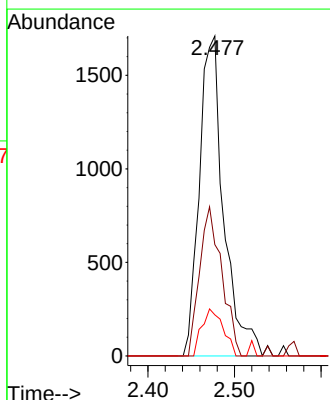
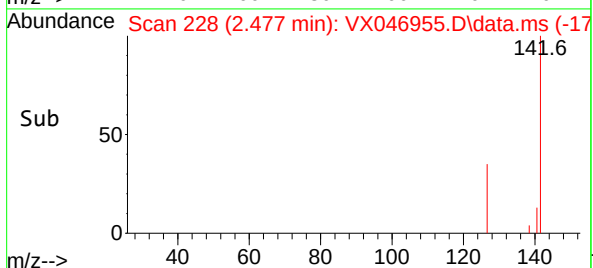
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

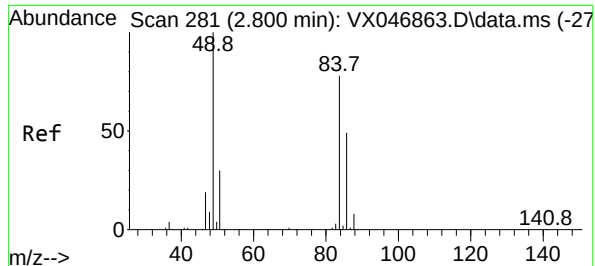


#10
Methyl Iodide
Concen: 1.038 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046955.D
Acq: 10 Jul 2025 18:59



Tgt Ion:142 Resp: 3359
Ion Ratio Lower Upper
142 100
127 42.2 34.9 52.3
141 12.9 11.1 16.7





#20

Methylene Chloride

Concen: 1.472 ug/l

RT: 2.800 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046955.D

Acq: 10 Jul 2025 18:59

Instrument :

MSVOA_X

ClientSampleId :

GPX5

Tgt Ion: 84 Resp: 473

Ion Ratio Lower Upper

84 100

49 140.0 102.8 154.2

51 51.1 31.1 46.7

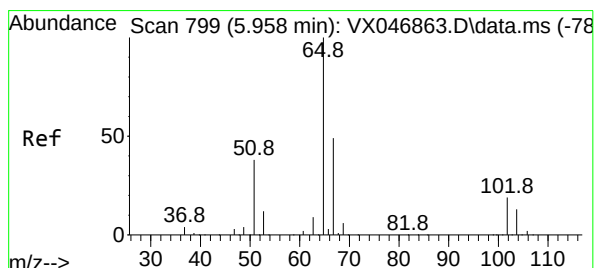
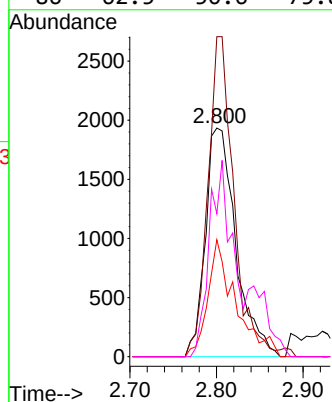
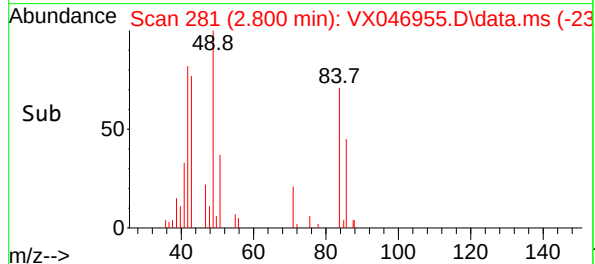
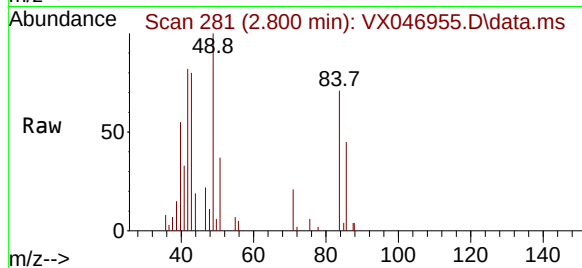
86 62.5 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#33

1,2-Dichloroethane-d4

Concen: 50.997 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046955.D

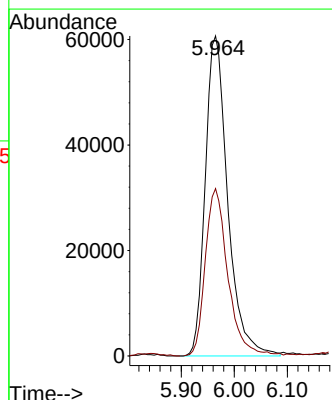
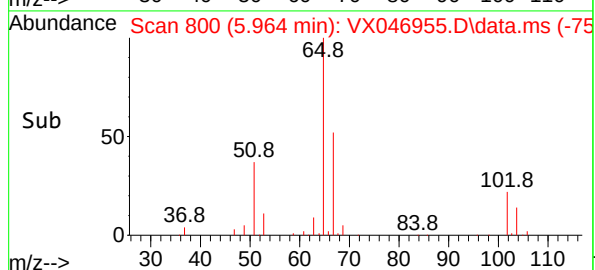
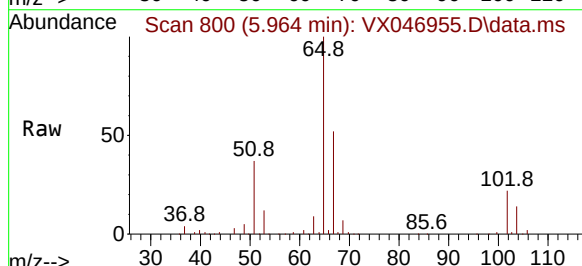
Acq: 10 Jul 2025 18:59

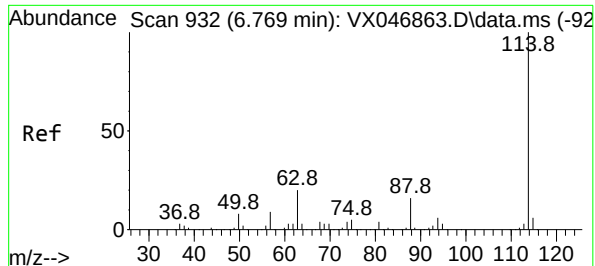
Tgt Ion: 65 Resp: 178446

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046955.D

Acq: 10 Jul 2025 18:59

Instrument :

MSVOA_X

ClientSampleId :

GPX5

Tgt Ion:114 Resp: 461340

Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.4

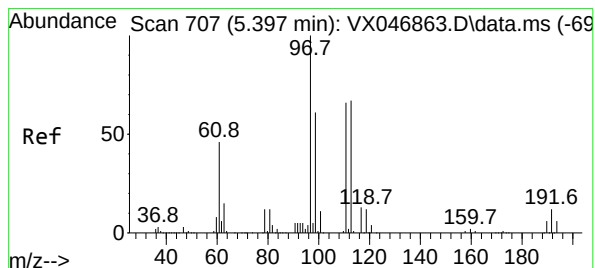
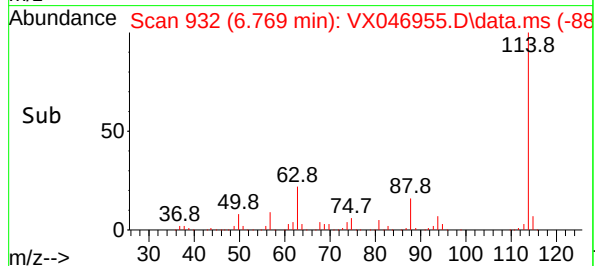
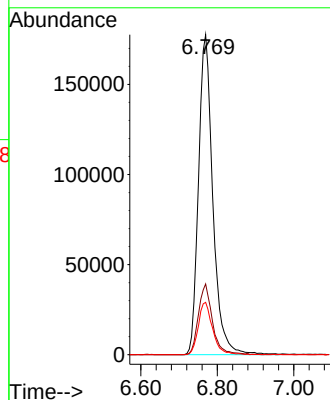
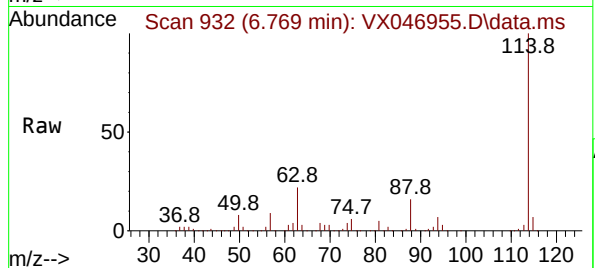
88 16.4 0.0 31.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#35

Dibromofluoromethane

Concen: 47.926 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX046955.D

Acq: 10 Jul 2025 18:59

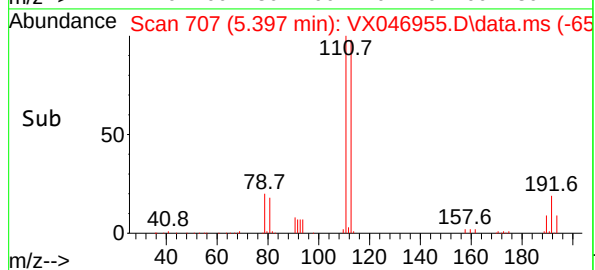
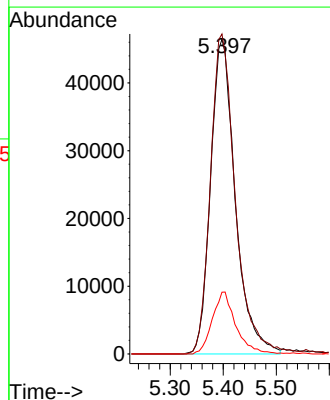
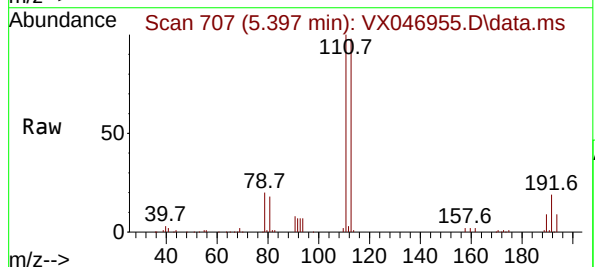
Tgt Ion:113 Resp: 150084

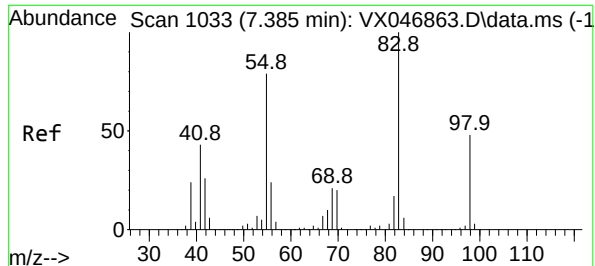
Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

192 18.8 15.3 22.9





#39

Methylcyclohexane

Concen: 26.221 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX046955.D

Acq: 10 Jul 2025 18:59

Instrument :

MSVOA_X

ClientSampleId :

GPX5

Tgt Ion: 83 Resp: 13858

Ion Ratio Lower Upper

83 100

55 82.1 63.0 94.4

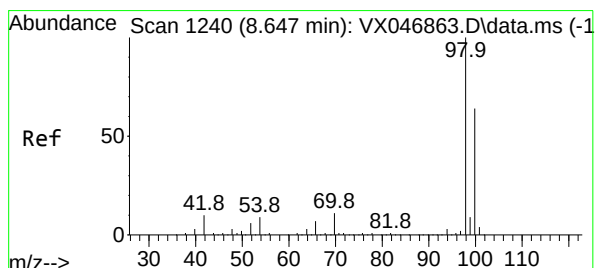
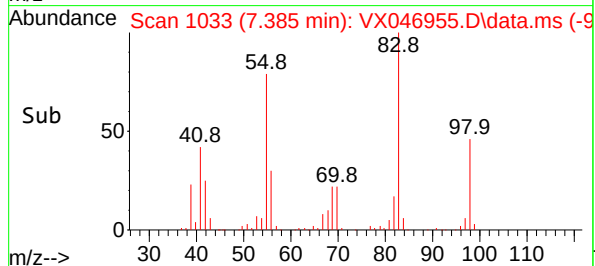
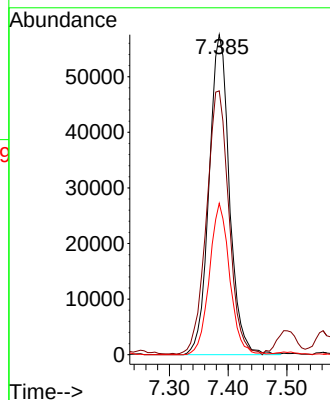
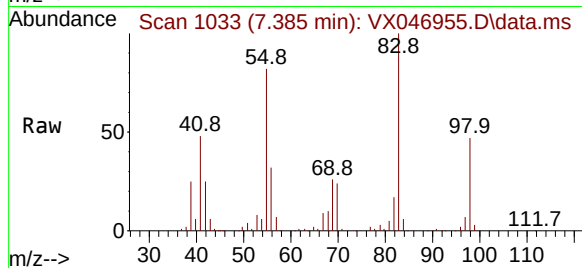
98 47.3 38.5 57.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#50

Toluene-d8

Concen: 49.942 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX046955.D

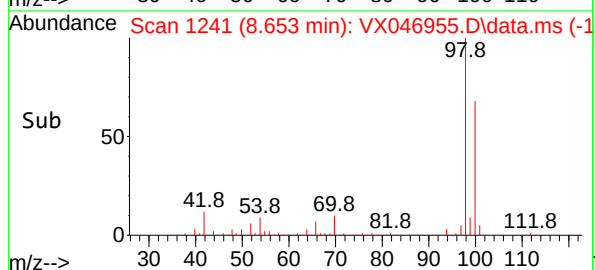
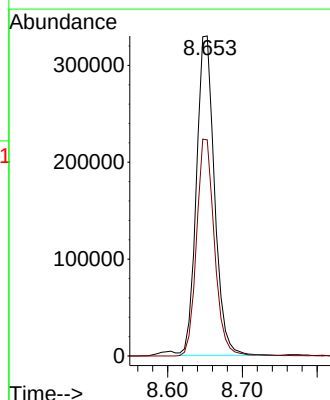
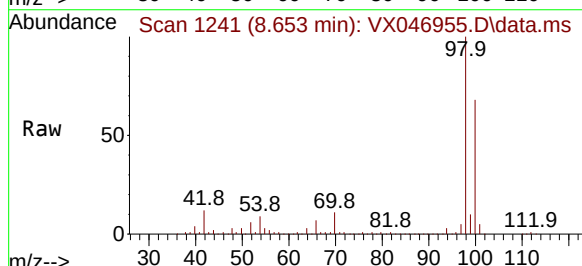
Acq: 10 Jul 2025 18:59

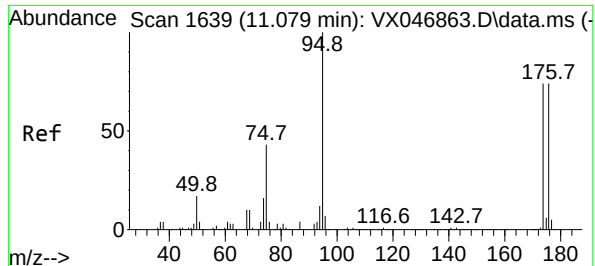
Tgt Ion: 98 Resp: 551801

Ion Ratio Lower Upper

98 100

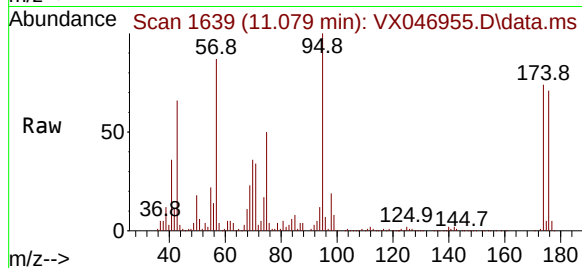
100 67.6 53.0 79.6





#62
4-Bromofluorobenzene
Concen: 49.774 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046955.D
Acq: 10 Jul 2025 18:59

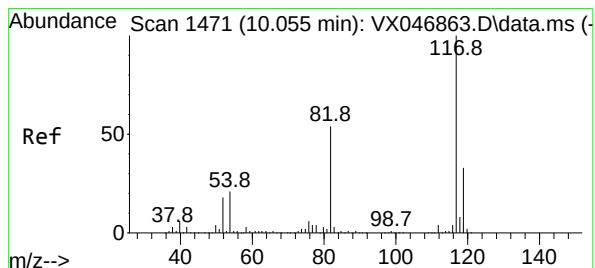
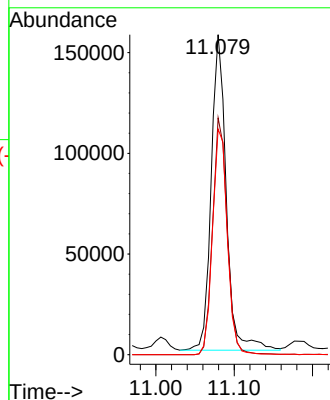
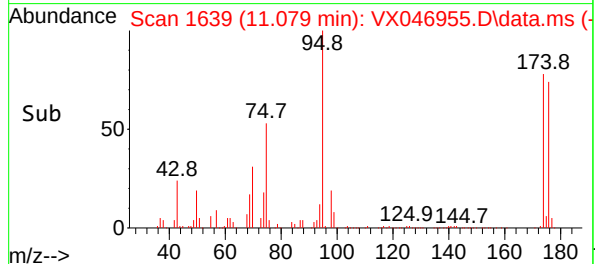
Instrument :
MSVOA_X
ClientSampleId :
GPX5



Tgt Ion: 95 Resp: 209010
Ion Ratio Lower Upper
95 100
174 72.7 0.0 152.0
176 70.4 0.0 145.2

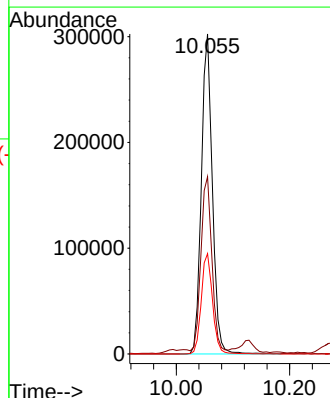
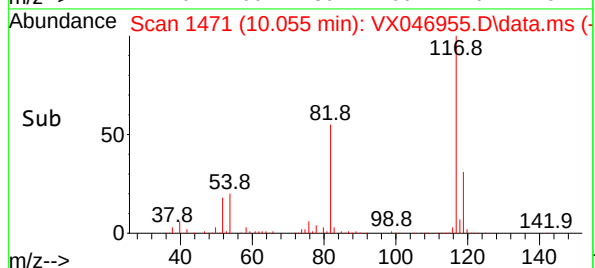
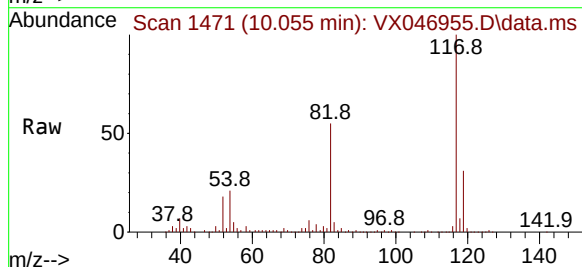
Manual Integrations
APPROVED

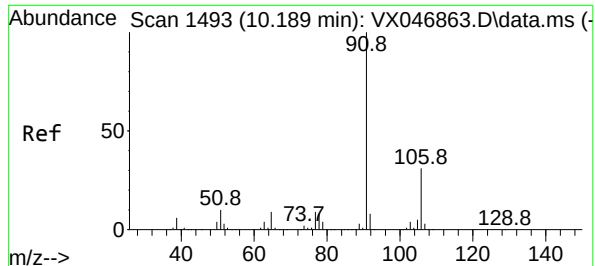
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046955.D
Acq: 10 Jul 2025 18:59

Tgt Ion:117 Resp: 407988
Ion Ratio Lower Upper
117 100
82 54.8 43.3 64.9
119 31.4 26.4 39.6





#67

Ethyl Benzene

Concen: 35.598 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046955.D

Acq: 10 Jul 2025 18:59

Instrument :

MSVOA_X

ClientSampleId :

GPX5

Tgt Ion: 91 Resp: 53774

Ion Ratio Lower Upper

91 100

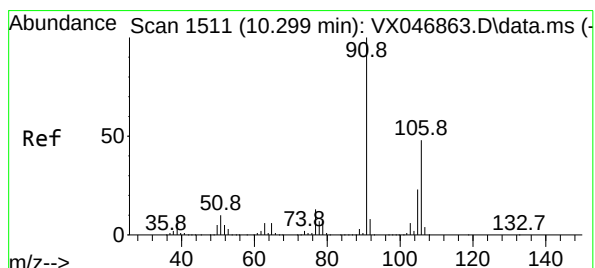
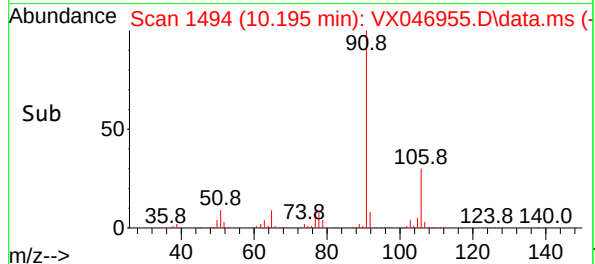
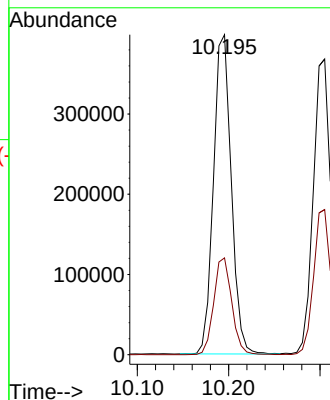
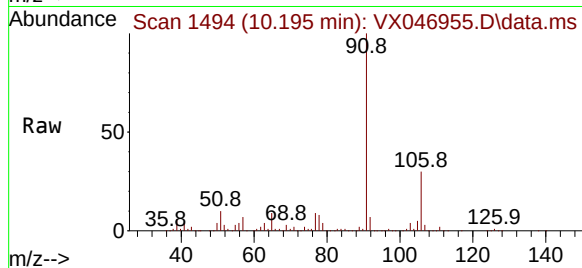
106 30.3 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#68

m/p-Xylenes

Concen: 42.953 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046955.D

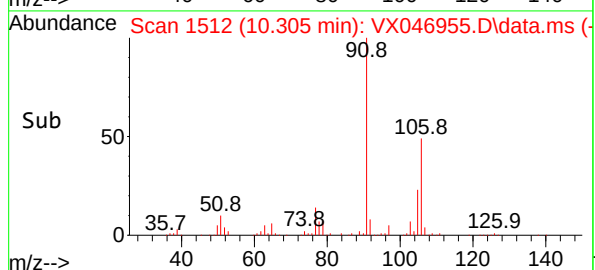
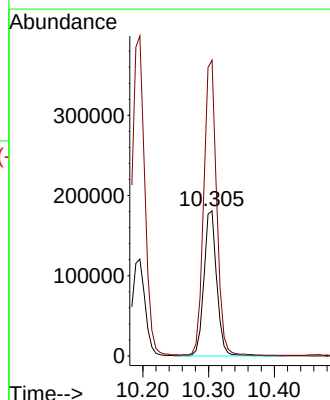
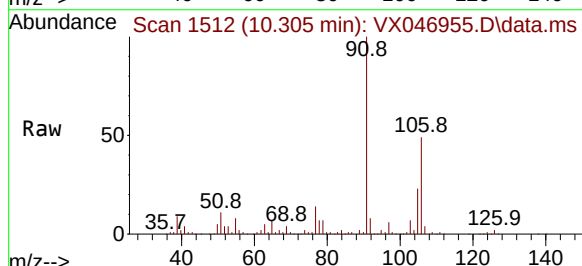
Acq: 10 Jul 2025 18:59

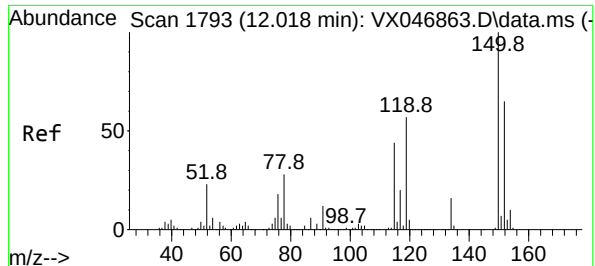
Tgt Ion:106 Resp: 244497

Ion Ratio Lower Upper

106 100

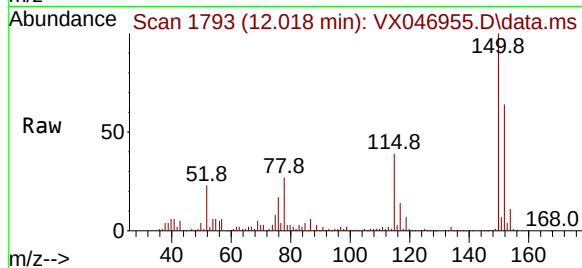
91 205.5 164.6 246.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046955.D
Acq: 10 Jul 2025 18:59

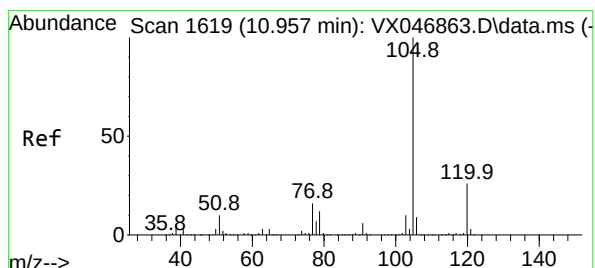
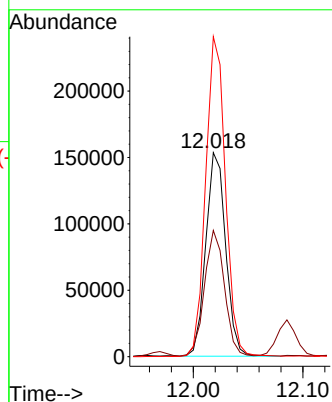
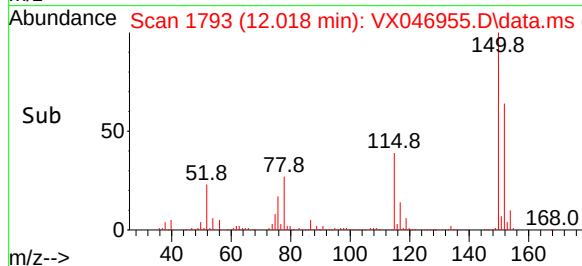
Instrument :
MSVOA_X
ClientSampleId :
GPX5



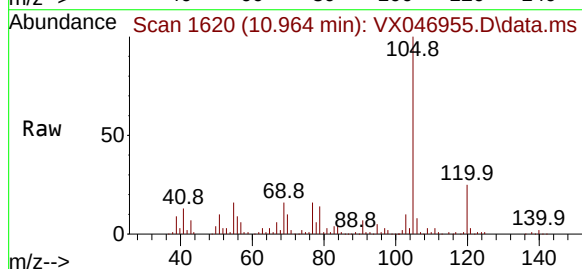
Tgt Ion:152 Resp: 192639
Ion Ratio Lower Upper
152 100
115 62.3 42.4 127.1
150 157.1 0.0 349.2

Manual Integrations
APPROVED

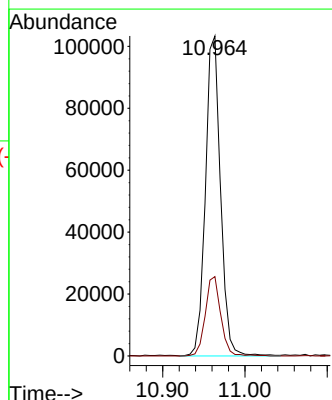
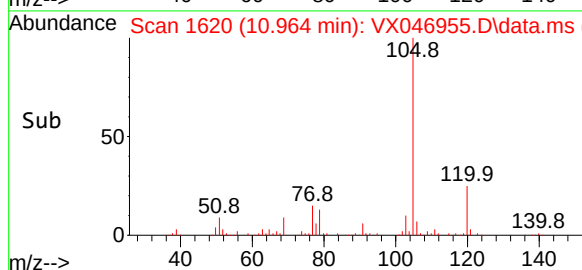
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

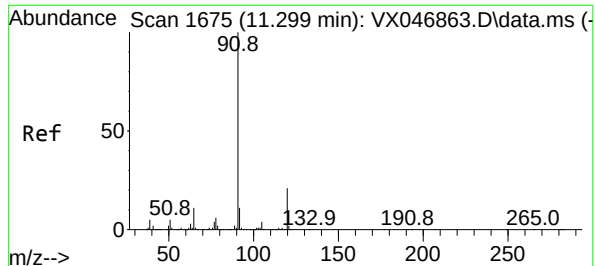


#73
Isopropylbenzene
Concen: 9.736 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046955.D
Acq: 10 Jul 2025 18:59



Tgt Ion:105 Resp: 131839
Ion Ratio Lower Upper
105 100
120 25.4 13.2 39.5





#78

n-propylbenzene

Concen: 32.932 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046955.D

Acq: 10 Jul 2025 18:59

Instrument :

MSVOA_X

ClientSampleId :

GPX5

Tgt Ion: 91 Resp: 53774

Ion Ratio Lower Upper

91 100

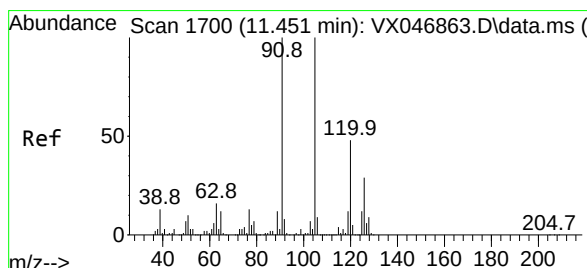
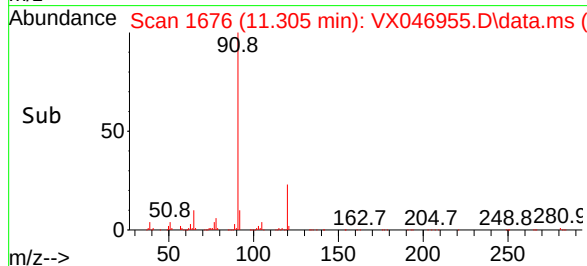
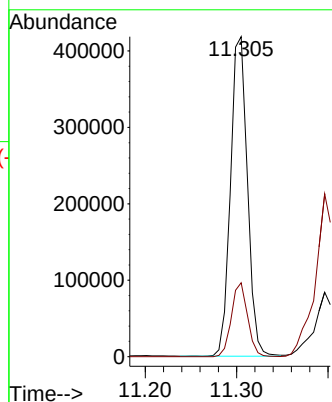
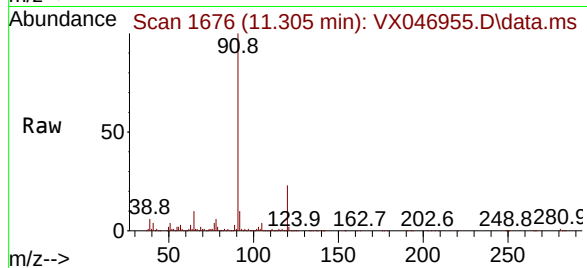
120 22.2 11.2 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 66.276 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX046955.D

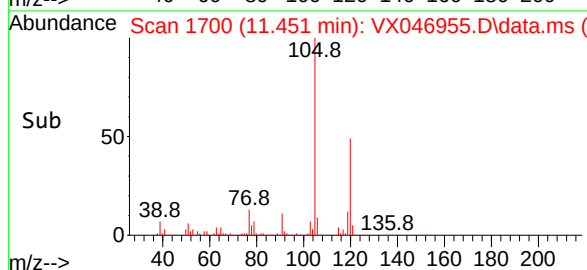
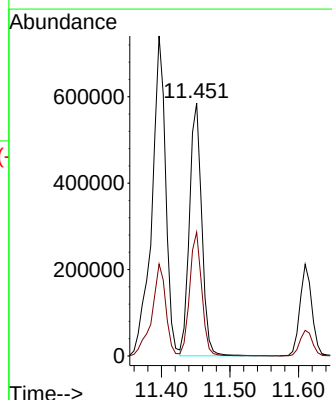
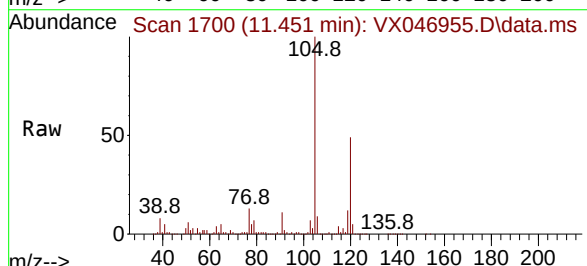
Acq: 10 Jul 2025 18:59

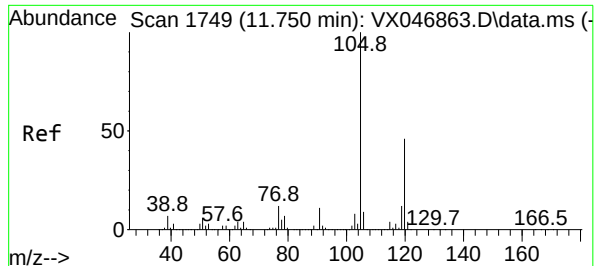
Tgt Ion:105 Resp: 729271

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 258.206 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX046955.D

Acq: 10 Jul 2025 18:59

Instrument :

MSVOA_X

ClientSampleId :

GPX5

Tgt Ion:105 Resp: 2871740

Ion Ratio Lower Upper

105 100

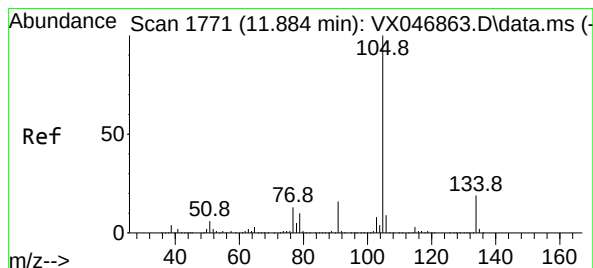
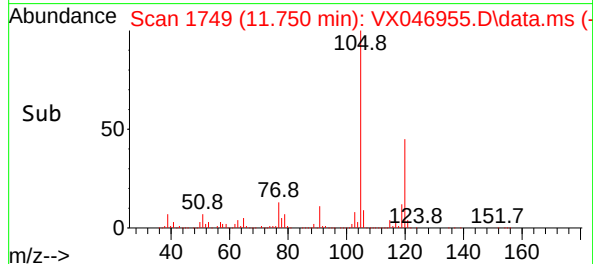
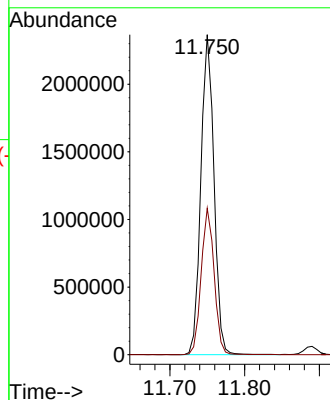
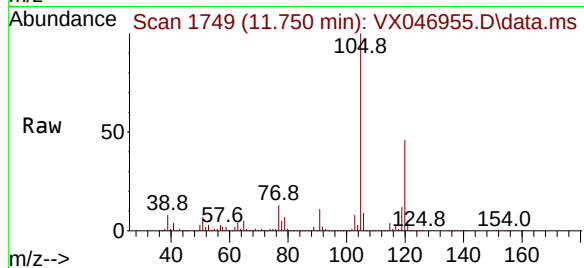
120 45.3 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#85

sec-Butylbenzene

Concen: 5.494 ug/l m

RT: 11.890 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VX046955.D

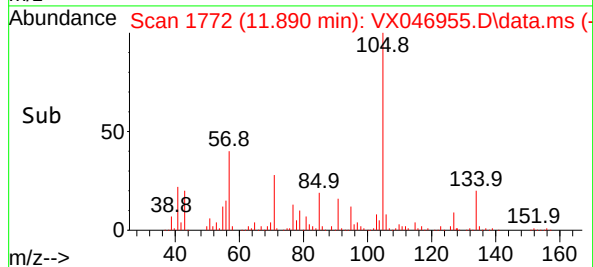
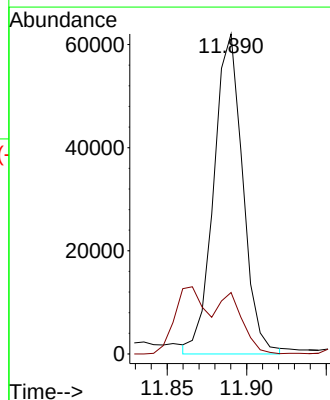
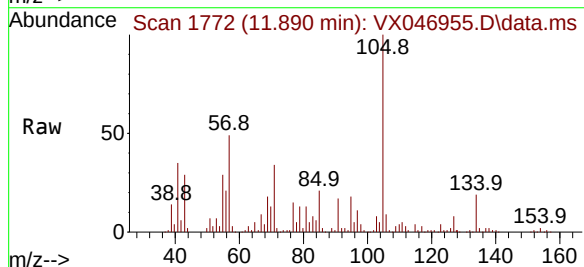
Acq: 10 Jul 2025 18:59

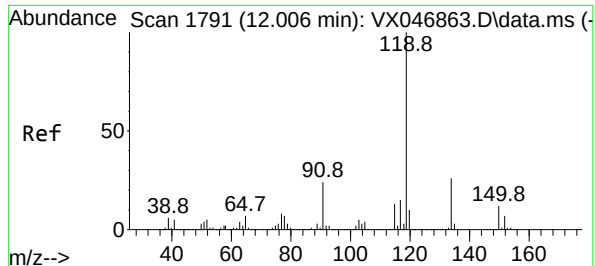
Tgt Ion:105 Resp: 78727

Ion Ratio Lower Upper

105 100

134 0.0 9.9 29.7#





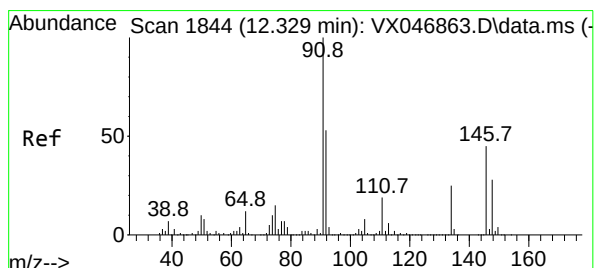
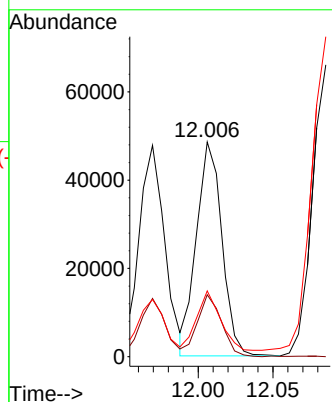
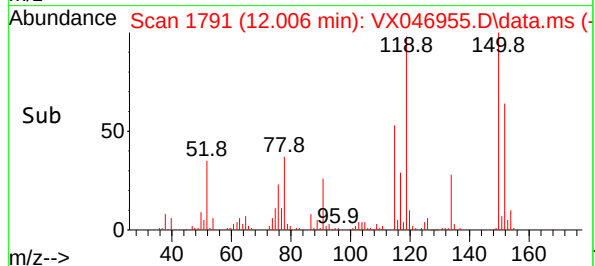
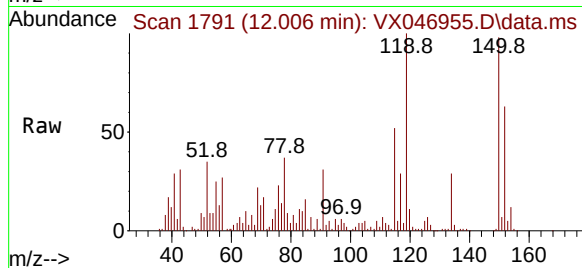
#86
p-Isopropyltoluene
Concen: 4.797 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046955.D
Acq: 10 Jul 2025 18:59

Instrument :
MSVOA_X
ClientSampleId :
GPX5

Tgt Ion: 119 Resp: 57560
Ion Ratio Lower Upper
119 100
134 27.7 13.0 39.0
91 25.6 12.0 36.1

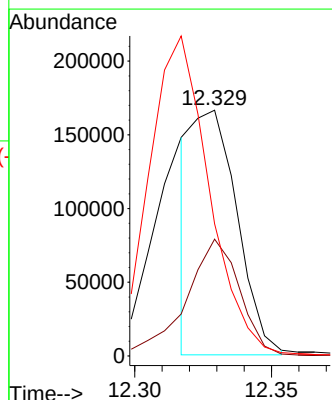
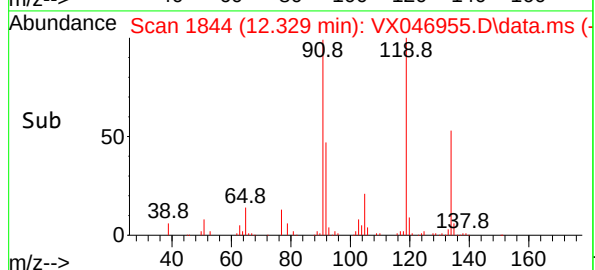
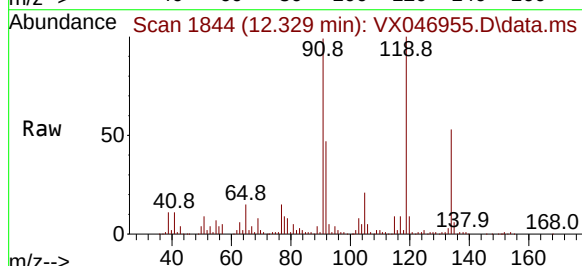
Manual Integrations
APPROVED

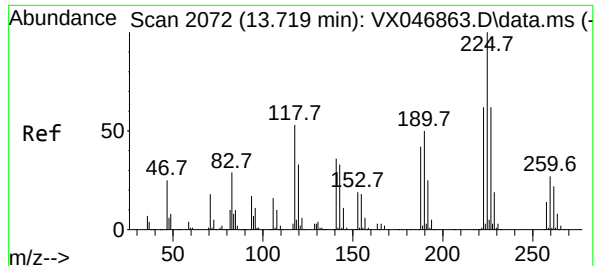
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#89
n-Butylbenzene
Concen: 16.754 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX046955.D
Acq: 10 Jul 2025 18:59

Tgt Ion: 91 Resp: 188897
Ion Ratio Lower Upper
91 100
92 57.5 27.0 81.0
134 175.2 12.8 38.4#





#94

Hexachlorobutadiene

Concen: 1.327 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. 0.000 min

Lab File: VX046955.D

Acq: 10 Jul 2025 18:59

Instrument :

MSVOA_X

ClientSampleId :

GPX5

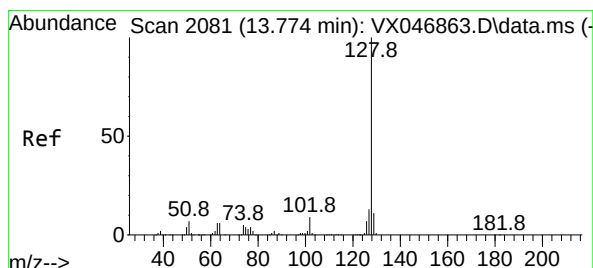
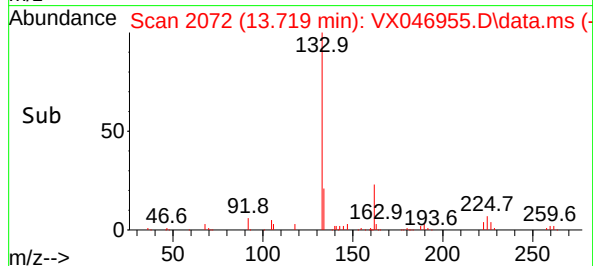
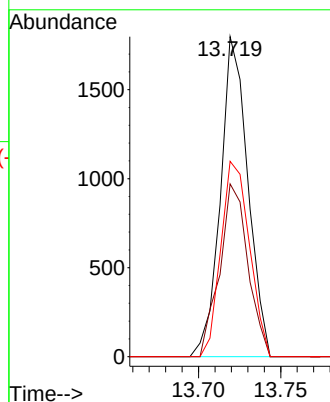
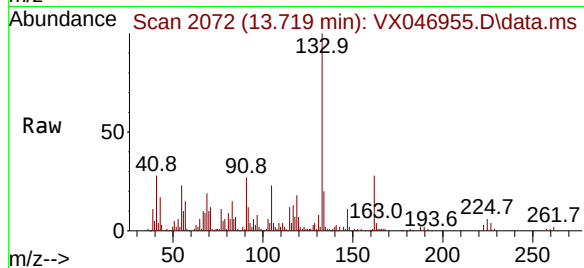
Tgt Ion:	225	Resp:	2078
Ion Ratio	Lower	Upper	
225	100		
223	55.6	31.6	94.7
227	63.7	31.6	94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#95

Naphthalene

Concen: 45.035 ug/l

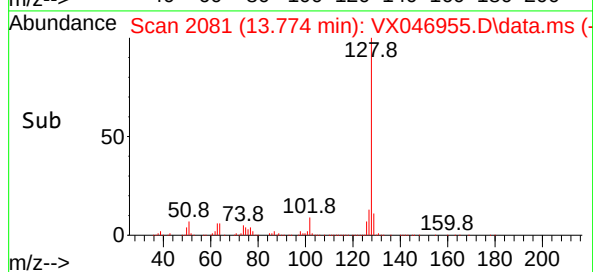
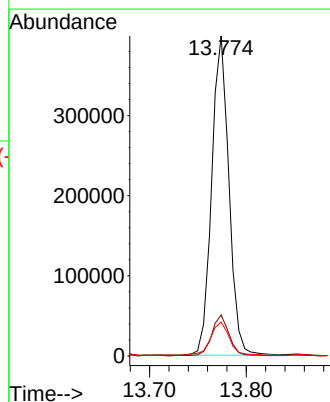
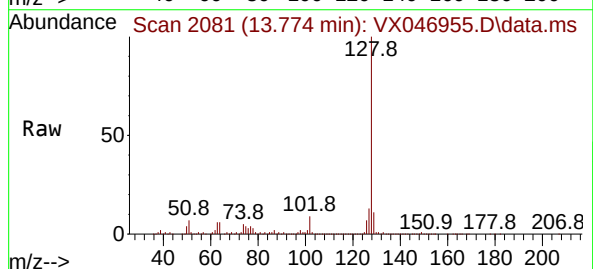
RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX046955.D

Acq: 10 Jul 2025 18:59

Tgt Ion:	128	Resp:	492847
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	11.9	8.6	13.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046955.D
 Acq On : 10 Jul 2025 18:59
 Operator : JC/MD
 Sample : Q2480-05 10X
 Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GPX5

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Title : SW846 8260

Signal : TIC: VX046955.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.397	692	707	716	rBV3	157158	498805	5.80%	0.549%
2	5.556	717	733	742	rBV2	246675	1042067	12.12%	1.147%
3	5.830	767	778	792	rBV2	151849	488955	5.69%	0.538%
4	5.964	792	800	819	rVV	168402	494202	5.75%	0.544%
5	6.257	840	848	858	rVV2	149262	499419	5.81%	0.550%
6	6.617	896	907	924	rBV2	221032	606106	7.05%	0.667%
7	6.769	924	932	941	rBV	413318	1079051	12.55%	1.188%
8	7.385	1021	1033	1045	rBV3	300745	804248	9.35%	0.886%
9	7.501	1045	1052	1057	rBV	94537	202408	2.35%	0.223%
10	7.562	1057	1062	1073	rVV	116626	270291	3.14%	0.298%
11	7.775	1089	1097	1105	rVB2	82435	182473	2.12%	0.201%
12	7.988	1122	1132	1144	rVB2	159688	454901	5.29%	0.501%
13	8.104	1144	1151	1156	rBV2	156847	352541	4.10%	0.388%
14	8.190	1160	1165	1170	rVV2	147438	318032	3.70%	0.350%
15	8.275	1174	1179	1183	rVV	484329	866137	10.07%	0.954%
16	8.312	1183	1185	1192	rVB	242510	373910	4.35%	0.412%
17	8.440	1201	1206	1214	rBV	472067	906017	10.54%	0.998%
18	8.507	1214	1217	1227	rVB3	99826	207891	2.42%	0.229%
19	8.604	1227	1233	1236	rBV3	303869	628061	7.30%	0.692%
20	8.647	1236	1240	1250	rVB	952533	1671513	19.44%	1.841%
21	8.775	1250	1261	1265	rBV2	150719	328921	3.82%	0.362%
22	8.848	1270	1273	1278	rVB	101706	157174	1.83%	0.173%
23	8.915	1278	1284	1290	rBV	759018	1238073	14.40%	1.363%
24	8.976	1290	1294	1306	rVB3	190468	460483	5.35%	0.507%
25	9.104	1306	1315	1320	rBV2	161954	364176	4.23%	0.401%
26	9.159	1320	1324	1328	rBV	116668	153672	1.79%	0.169%
27	9.293	1340	1346	1350	rBV	123216	169363	1.97%	0.186%
28	9.385	1355	1361	1366	rBV2	279393	440501	5.12%	0.485%
29	9.500	1375	1380	1386	rBV2	391438	765952	8.91%	0.843%
30	9.561	1386	1390	1394	rVB	286777	391595	4.55%	0.431%
31	9.616	1394	1399	1403	rBV2	234407	410577	4.77%	0.452%
32	9.653	1403	1405	1416	rVB6	111336	294194	3.42%	0.324%
33	9.763	1416	1423	1428	rBV3	173894	339696	3.95%	0.374%
34	9.817	1428	1432	1437	rBV2	238850	489846	5.70%	0.539%
35	9.866	1437	1440	1442	rVV2	146734	215199	2.50%	0.237%
36	9.903	1442	1446	1451	rVB	1075433	1491612	17.35%	1.642%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Title : SW846 8260

37	10.006	1458	1463	1467	rBV	918289	1187934	13.81%	1.308%
38	10.055	1467	1471	1475	rVB	900347	1149047	13.36%	1.265%
39	10.195	1489	1494	1499	rVB	970126	1364606	15.87%	1.503%
40	10.305	1507	1512	1517	rVB2	1104118	1670424	19.42%	1.839%

41	10.360	1517	1521	1532	rVB	1247604	1884984	21.92%	2.076%
42	10.586	1552	1558	1562	rBV2	405194	586317	6.82%	0.646%
43	10.671	1566	1572	1577	rBV	293079	497521	5.79%	0.548%
44	10.781	1582	1590	1594	rBV	611573	999044	11.62%	1.100%
45	10.854	1594	1602	1606	rBV2	435366	743475	8.65%	0.819%

46	10.897	1606	1609	1614	rVB	186340	257029	2.99%	0.283%
47	10.957	1614	1619	1623	rBV	316100	496767	5.78%	0.547%
48	11.031	1627	1631	1634	rBV2	259258	317459	3.69%	0.350%
49	11.079	1634	1639	1642	rBV2	1199528	1752193	20.38%	1.929%
50	11.110	1642	1644	1650	rVB2	756202	993423	11.55%	1.094%

51	11.189	1650	1657	1660	rBV	710367	969992	11.28%	1.068%
52	11.305	1672	1676	1679	rBV	769837	947713	11.02%	1.044%
53	11.396	1684	1691	1695	rVV	1842505	2738000	31.84%	3.015%
54	11.451	1695	1700	1702	rVV	1708320	2443476	28.41%	2.691%
55	11.476	1702	1704	1710	rVB2	1164724	1286244	14.96%	1.416%

56	11.610	1722	1726	1734	rBV	556915	950762	11.06%	1.047%
57	11.683	1734	1738	1740	rBV	181141	210472	2.45%	0.232%
58	11.713	1740	1743	1745	rVV	345404	366509	4.26%	0.404%
59	11.750	1745	1749	1759	rVB	6906299	8599612	100.00%	9.469%
60	11.835	1759	1763	1765	rBV	204827	257157	2.99%	0.283%

61	11.890	1769	1772	1776	rVB	263107	310387	3.61%	0.342%
62	11.939	1776	1780	1783	rBV3	234470	390933	4.55%	0.430%
63	11.969	1783	1785	1788	rVB2	214115	207376	2.41%	0.228%
64	12.018	1788	1793	1799	rBV3	986323	1650666	19.19%	1.818%
65	12.085	1799	1804	1809	rBV	1883193	2773379	32.25%	3.054%

66	12.171	1816	1818	1825	rVB2	384923	449119	5.22%	0.495%
67	12.244	1825	1830	1837	rBV3	1756937	2842422	33.05%	3.130%
68	12.317	1837	1842	1848	rVB3	2018973	3353574	39.00%	3.693%
69	12.421	1848	1859	1862	rBV2	806733	1229953	14.30%	1.354%
70	12.463	1862	1866	1872	rVB	691421	963572	11.20%	1.061%

71	12.530	1872	1877	1879	rBV	1154570	1577018	18.34%	1.736%
72	12.555	1879	1881	1886	rVV	1133176	1335875	15.53%	1.471%
73	12.610	1886	1890	1894	rVV	2066074	2608391	30.33%	2.872%
74	12.640	1894	1895	1899	rVV	323404	293614	3.41%	0.323%
75	12.695	1899	1904	1913	rVB3	813788	1531373	17.81%	1.686%

76	12.847	1925	1929	1932	rVV	381720	452546	5.26%	0.498%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046955.D
 Acq On : 10 Jul 2025 18:59
 Operator : JC/MD
 Sample : Q2480-05 10X
 Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GPX5

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Title : SW846 8260

77	12.921	1932	1941	1944	rVV	1051516	1608649	18.71%	1.771%
78	12.963	1944	1948	1954	rVB	1385300	1913110	22.25%	2.107%
79	13.024	1954	1958	1959	rBV	316965	393924	4.58%	0.434%
80	13.042	1959	1961	1963	rVV2	398797	431861	5.02%	0.476%
81	13.067	1963	1965	1968	rVB	225151	216865	2.52%	0.239%
82	13.164	1977	1981	1985	rVB2	907076	1132432	13.17%	1.247%
83	13.207	1985	1988	1992	rVB2	262331	303992	3.53%	0.335%
84	13.262	1992	1997	1998	rBV3	488231	715895	8.32%	0.788%
85	13.292	1998	2002	2007	rVB2	1546114	2226717	25.89%	2.452%
86	13.366	2012	2014	2019	rVB2	278188	347273	4.04%	0.382%
87	13.420	2019	2023	2031	rVB4	310573	578208	6.72%	0.637%
88	13.500	2032	2036	2039	rBV2	236190	345743	4.02%	0.381%
89	13.542	2039	2043	2046	rBV	420290	511185	5.94%	0.563%
90	13.579	2046	2049	2055	rVB3	454017	726718	8.45%	0.800%
91	13.664	2060	2063	2069	rVV2	375374	634245	7.38%	0.698%
92	13.713	2069	2071	2077	rVV3	82738	164627	1.91%	0.181%
93	13.774	2077	2081	2087	rVB	778974	1018474	11.84%	1.121%
94	13.920	2099	2105	2110	rBV4	242483	473520	5.51%	0.521%
95	14.073	2126	2130	2134	rBV2	308114	360221	4.19%	0.397%
96	14.213	2148	2153	2158	rBV	301175	484944	5.64%	0.534%
97	14.317	2167	2170	2176	rBV	139604	199215	2.32%	0.219%
98	14.371	2176	2179	2183	rVB	183915	219101	2.55%	0.241%
99	14.634	2214	2222	2227	rBV	798847	1033517	12.02%	1.138%
100	14.774	2239	2245	2254	rVB	318536	477546	5.55%	0.526%

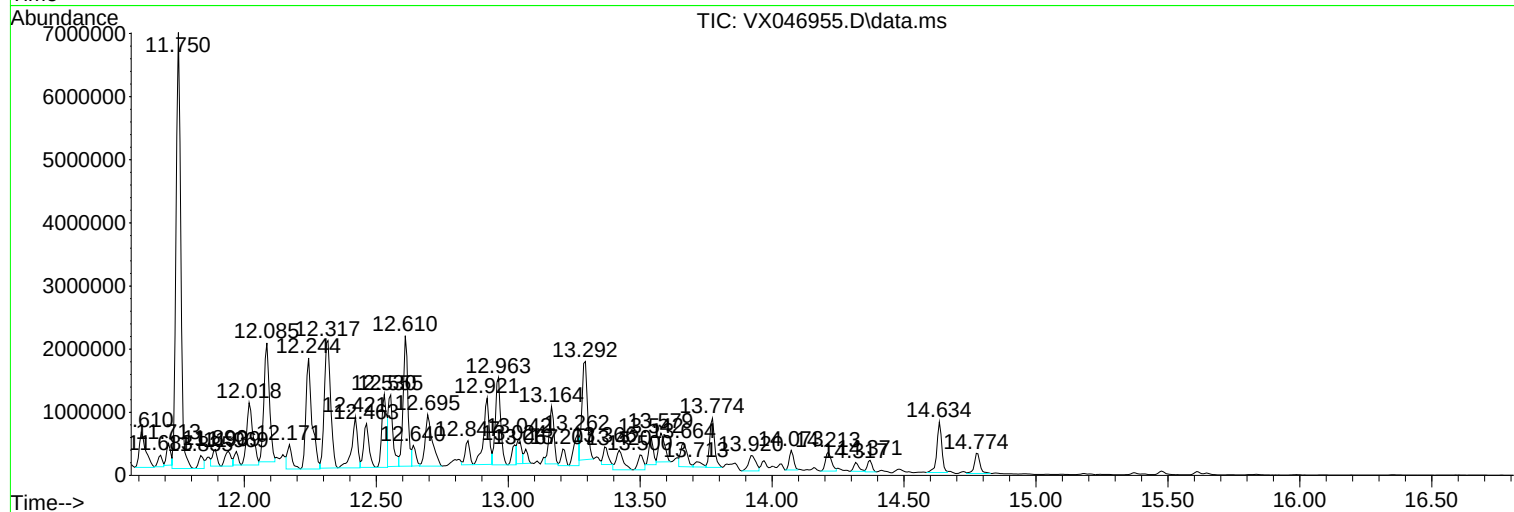
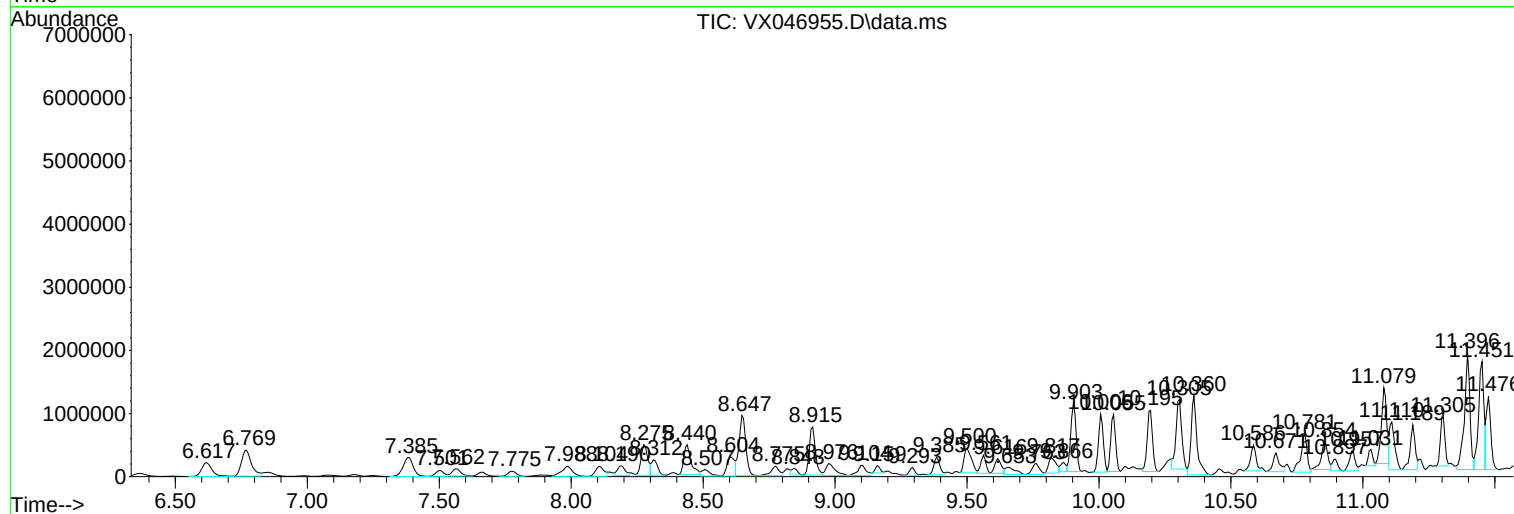
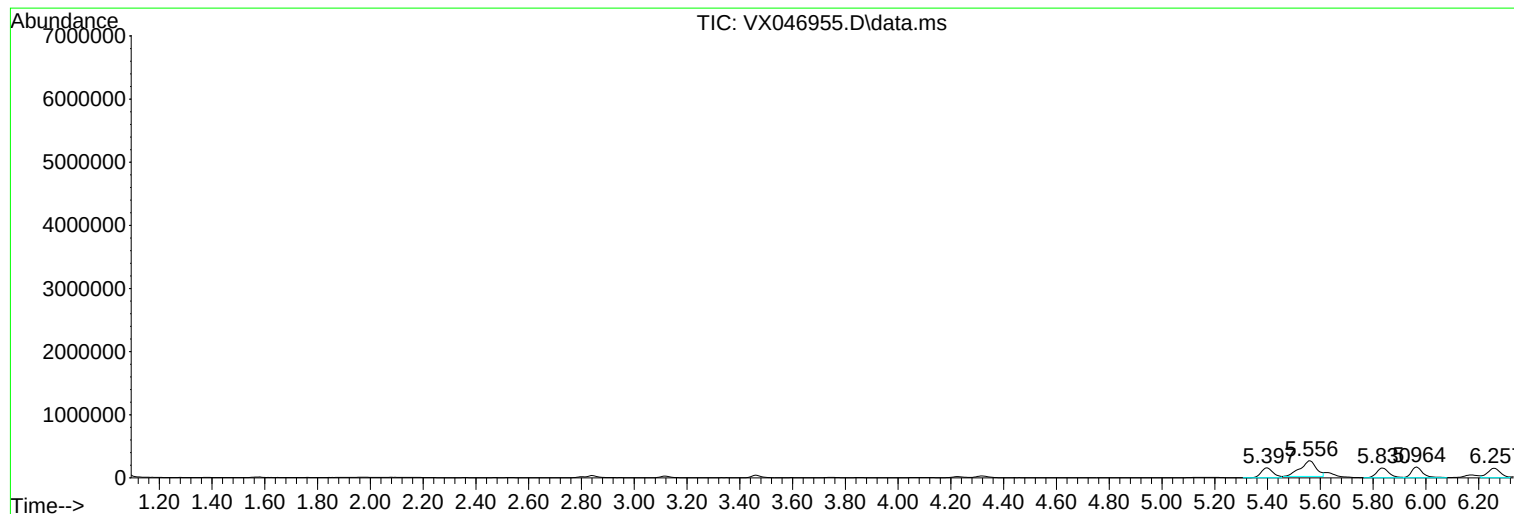
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

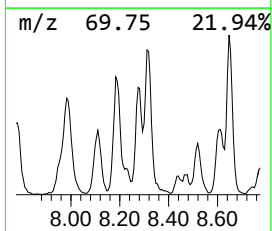
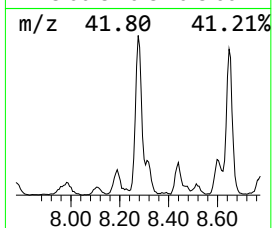
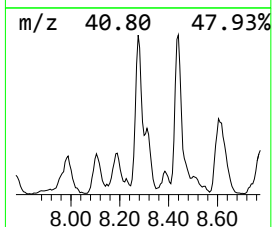
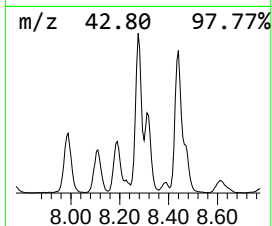
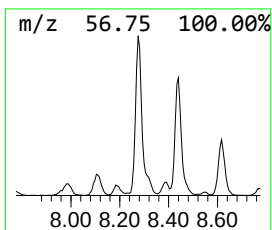
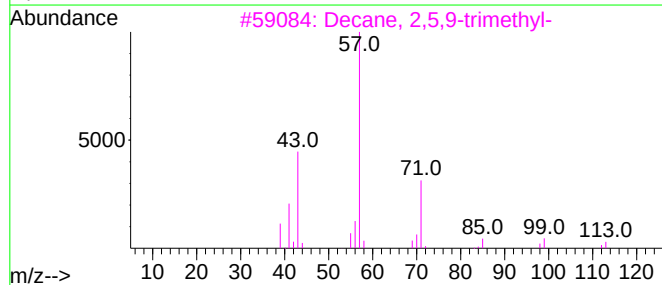
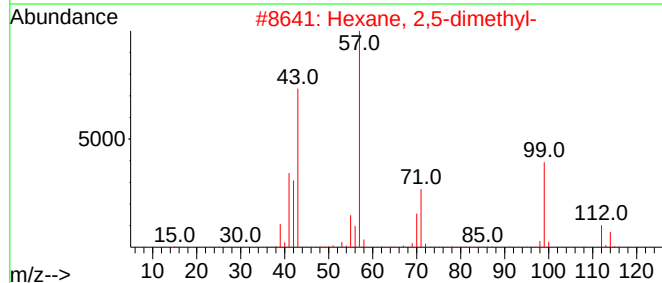
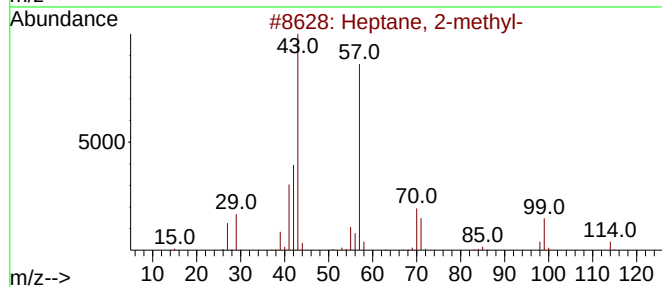
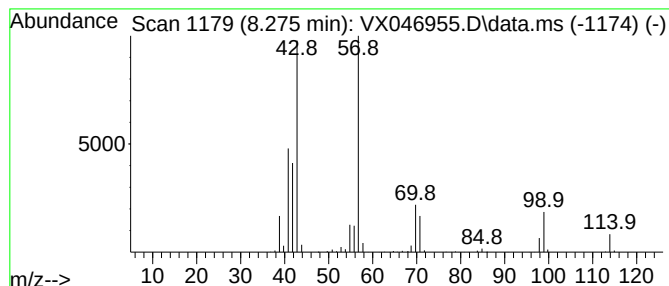
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Heptane, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.275	40.13 ug/l	866137	1,4-Difluorobenzene	6.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53
3			Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	43
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	38
5			Heptane, 3-ethyl-	128	C9H20	015869-80-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

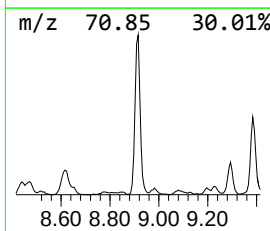
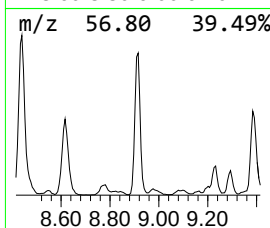
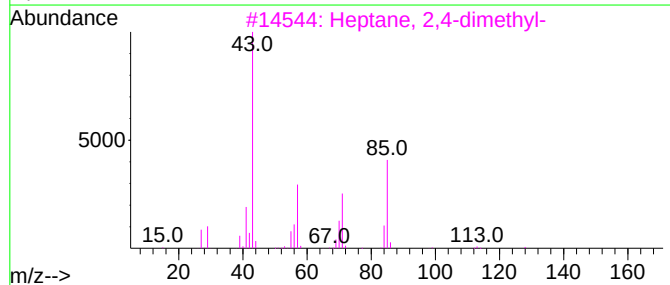
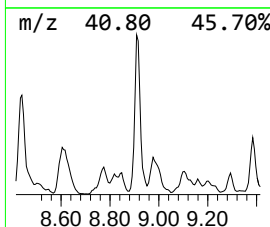
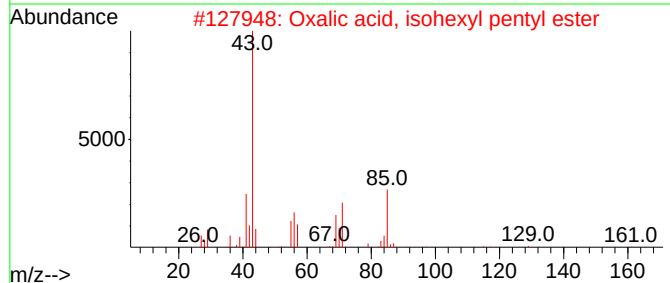
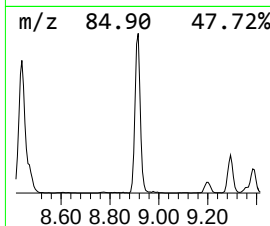
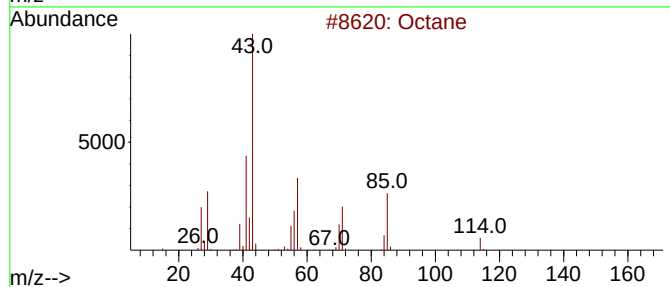
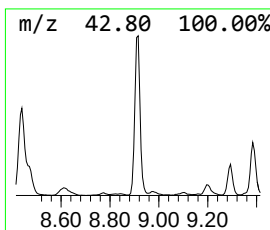
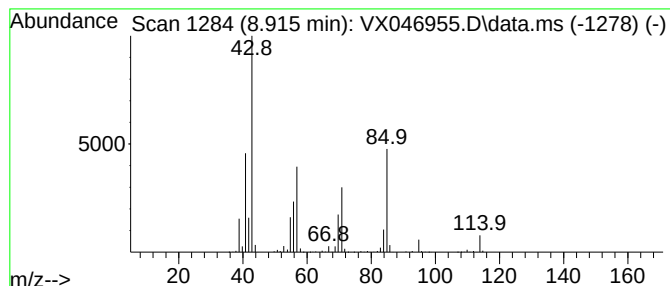
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Octane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.915	53.87 ug/l	1238070	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane			114	C8H18	000111-65-9	94
2	Oxalic acid, isohexyl pentyl ester			244	C13H24O4	1000309-32-8	78
3	Heptane, 2,4-dimethyl-			128	C9H20	002213-23-2	64
4	Undecane, 2,4-dimethyl-			184	C13H28	017312-80-0	59
5	Hexane, 2,4-dimethyl-			114	C8H18	000589-43-5	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

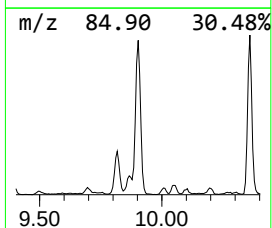
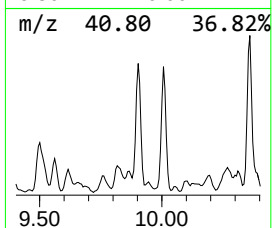
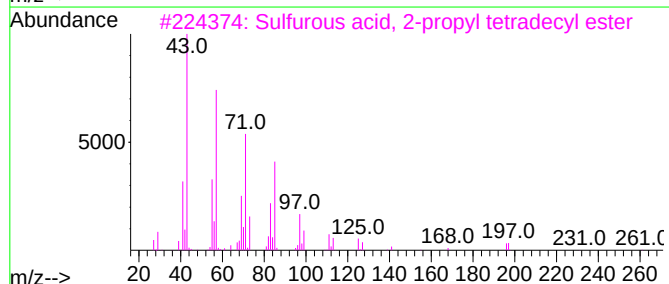
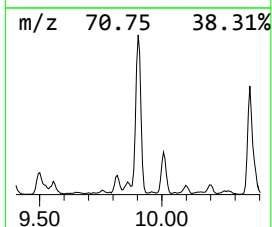
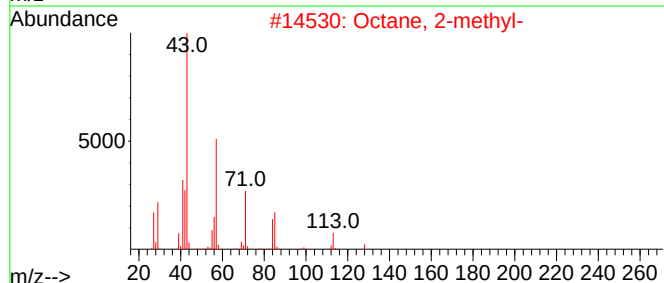
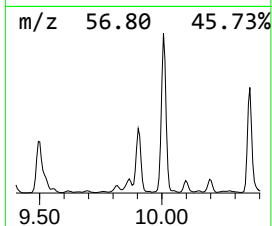
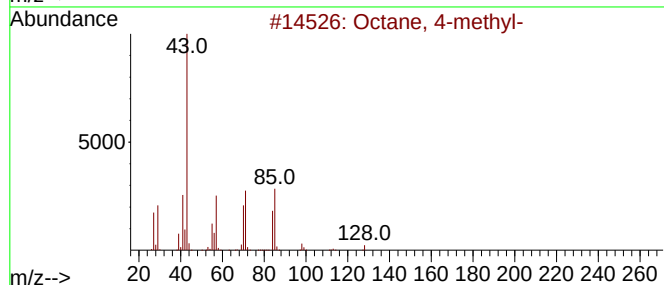
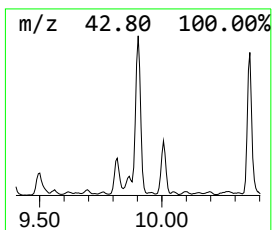
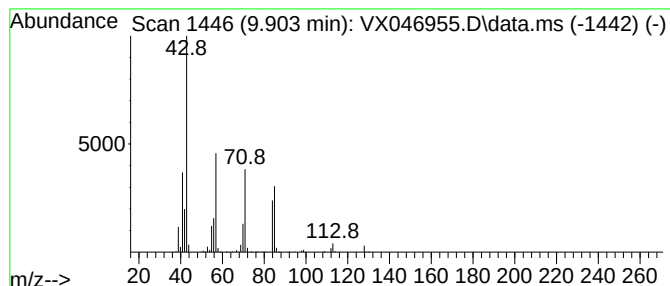
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Octane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.903	64.91 ug/l	1491610	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 4-methyl-	128	C9H20	002216-34-4	72
2			Octane, 2-methyl-	128	C9H20	003221-61-2	64
3			Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1010309-12-5	53
4			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
5			Carbonic acid, nonyl prop-1-en-2...	228	C13H24O3	1000382-53-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

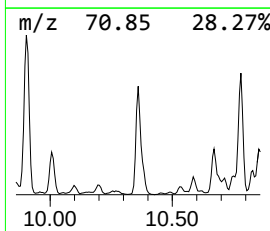
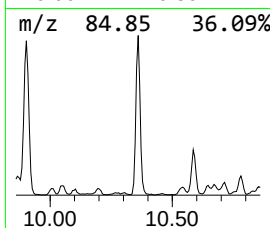
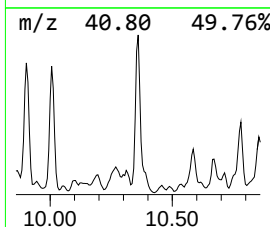
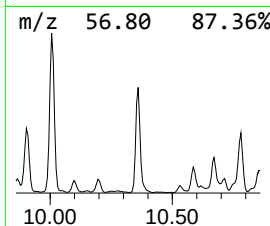
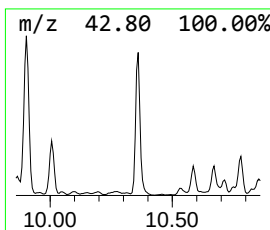
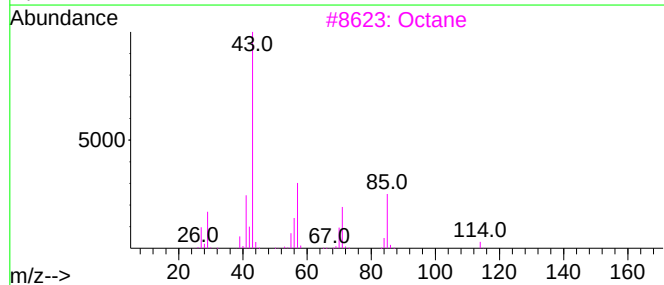
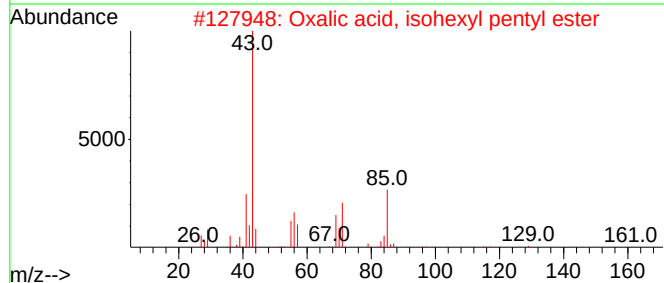
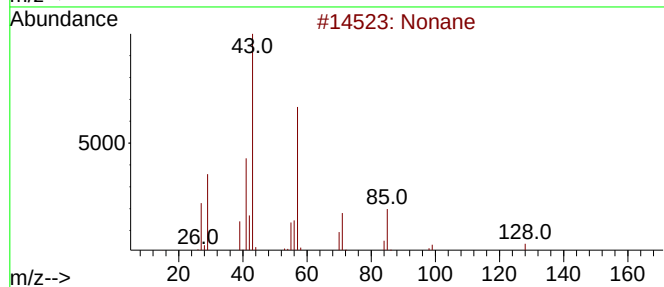
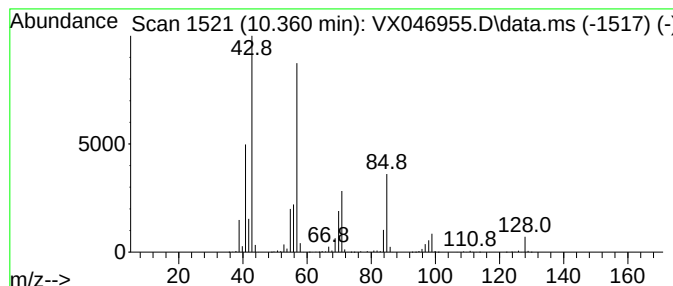
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Nonane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.360	82.02 ug/l	1884980	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane	128	C9H20	000111-84-2	95
2			Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	59
3			Octane	114	C8H18	000111-65-9	59
4			Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	53
5			Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

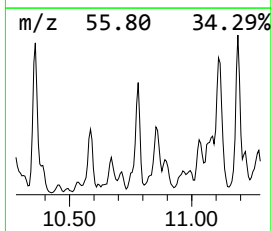
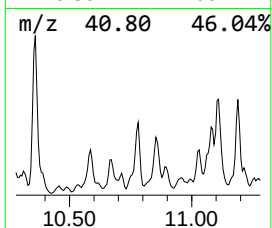
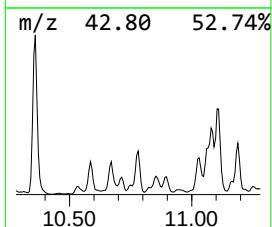
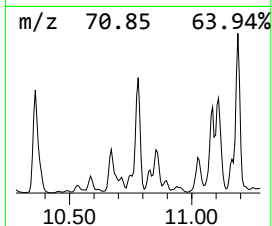
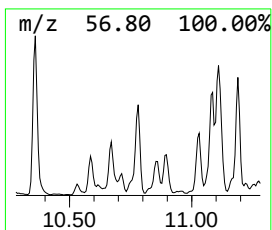
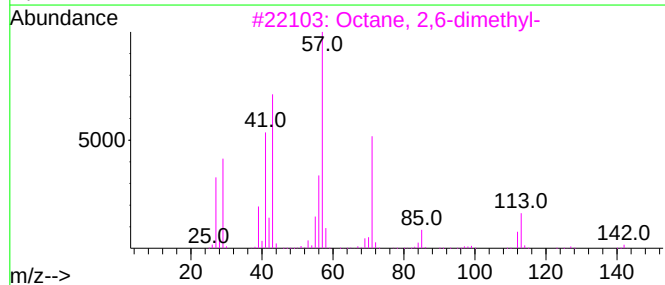
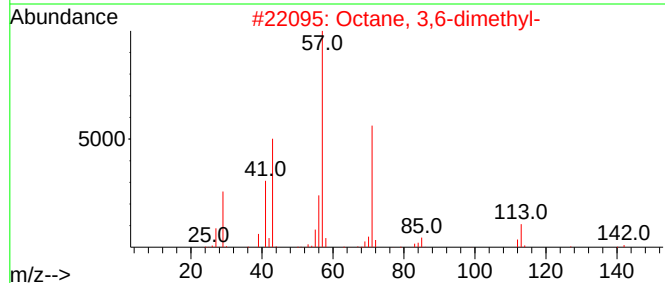
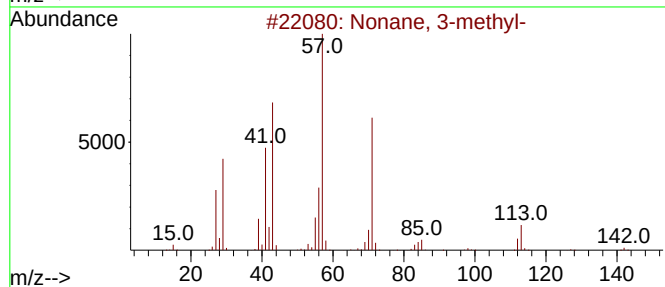
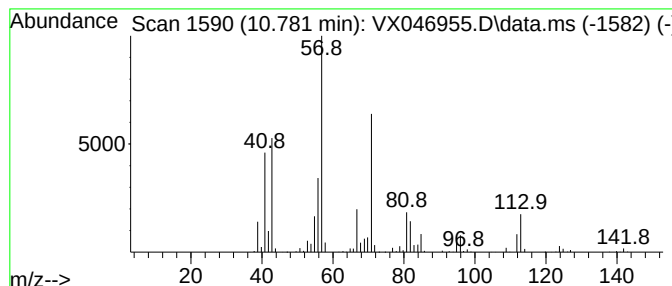
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Nonane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.781	43.47 ug/l	999044	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	76
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	76
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
4			Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	50
5			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

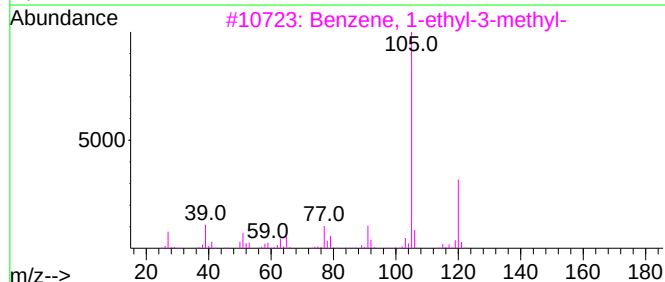
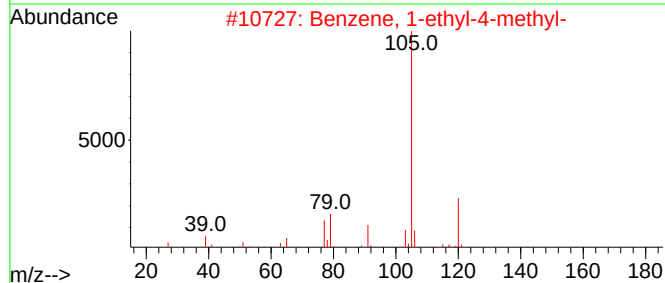
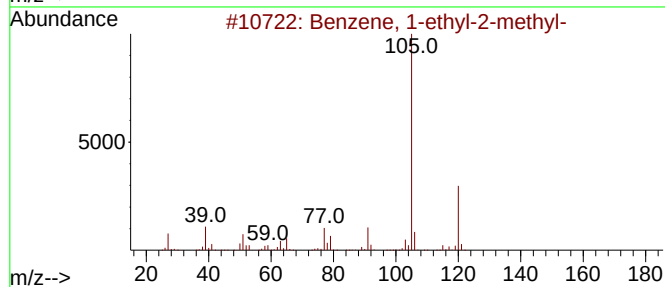
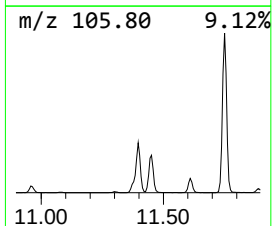
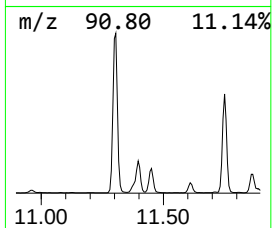
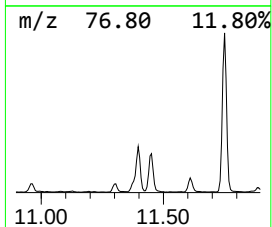
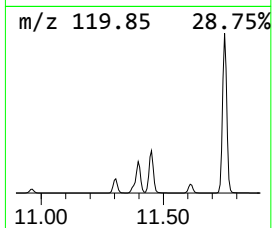
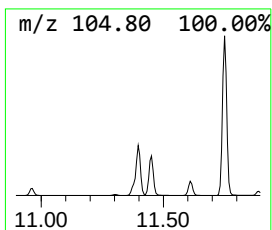
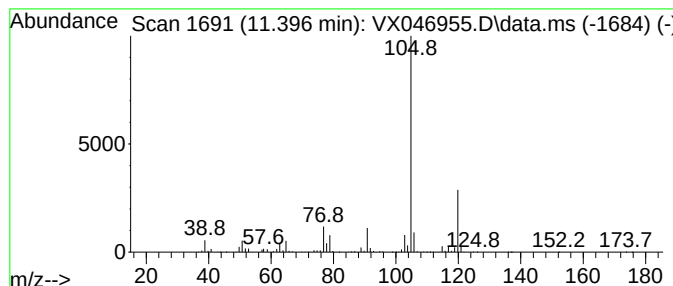
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.396	82.94 ug/l	2738000	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4			Mesitylene	120	C9H12	000108-67-8	91
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

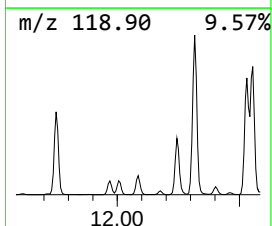
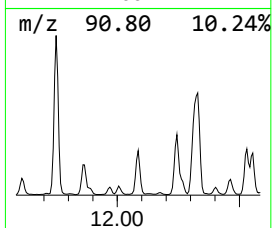
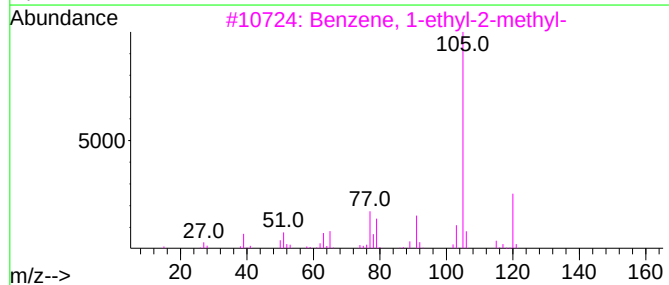
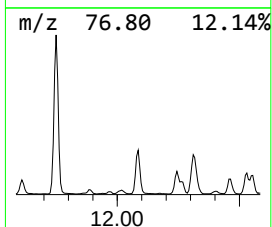
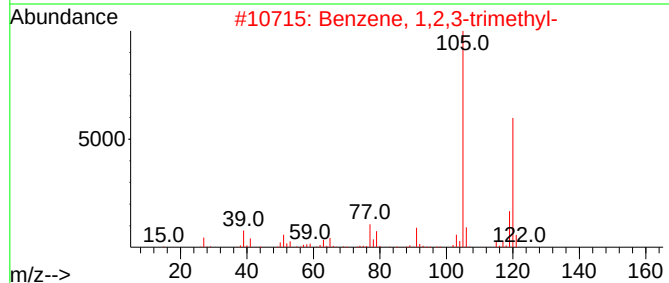
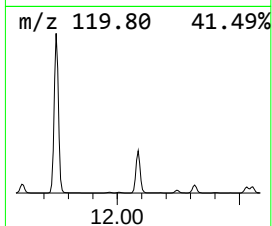
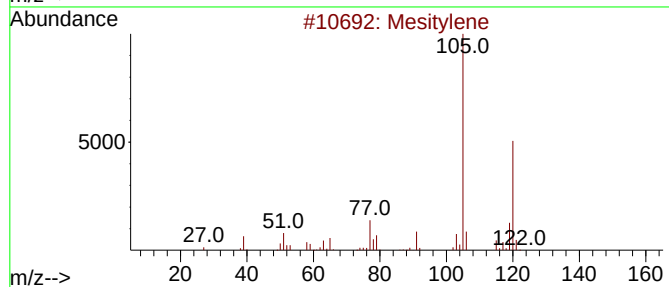
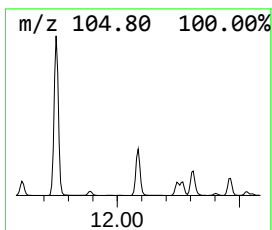
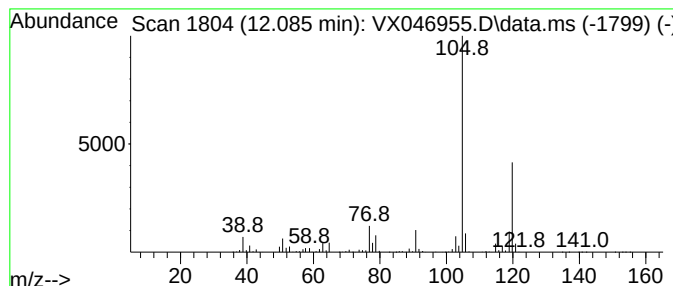
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.085	84.01 ug/l	2773380	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Mesitylene	120	C9H12	000108-67-8	97
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

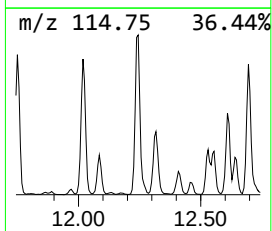
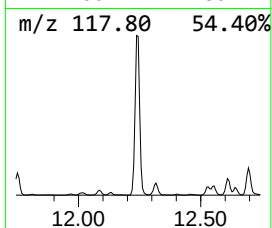
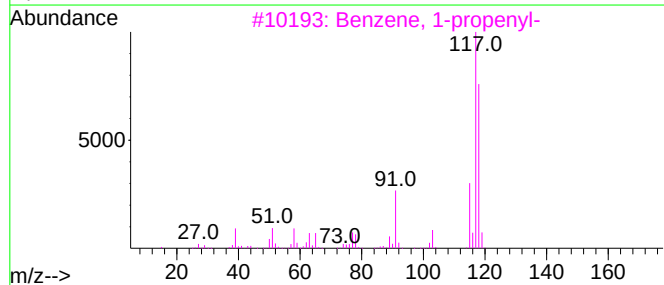
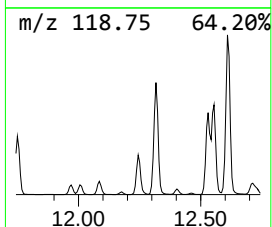
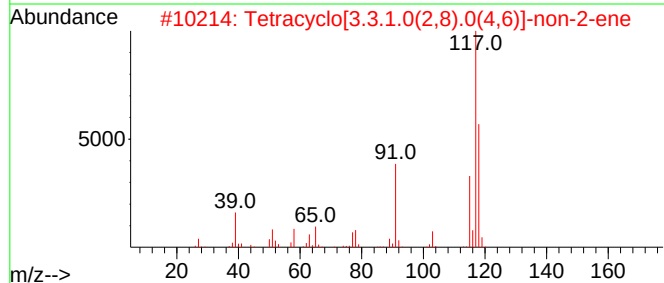
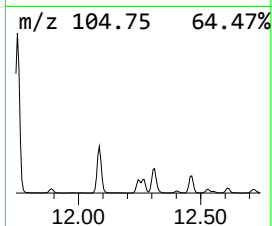
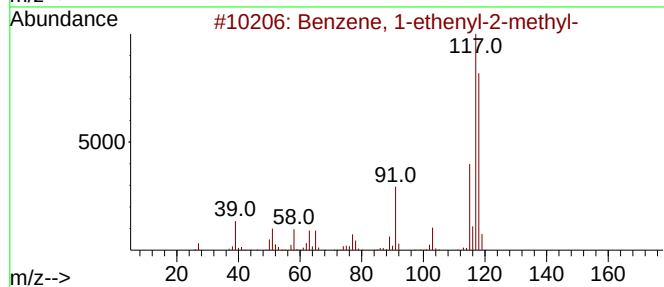
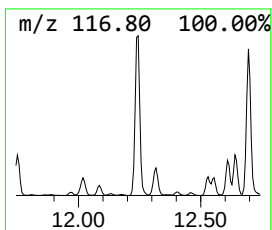
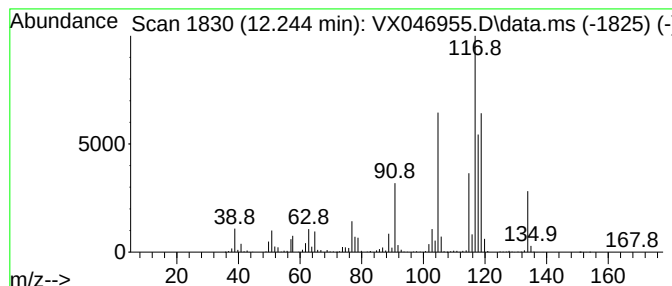
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Tetracyclo[3.3.1.0(2,8).0(4... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	86.10 ug/l	2842420	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
2			Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	60
3			Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
4			Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
5			(Z)-1-Phenylpropene	118	C9H10	000766-90-5	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

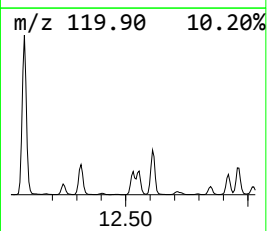
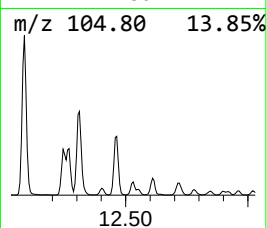
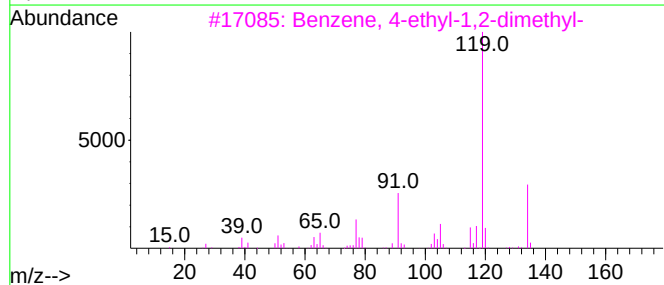
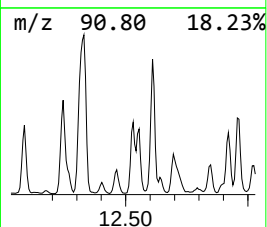
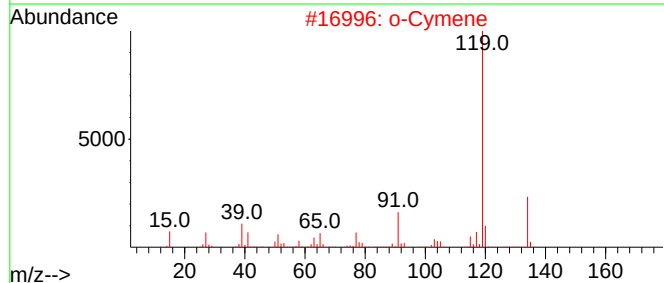
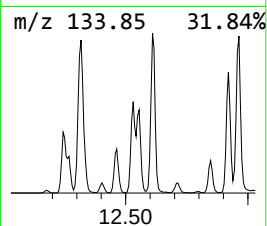
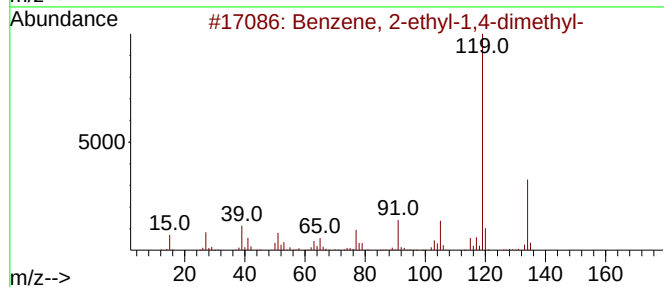
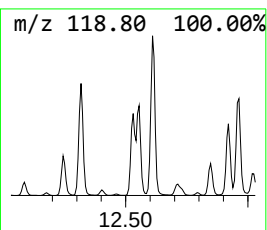
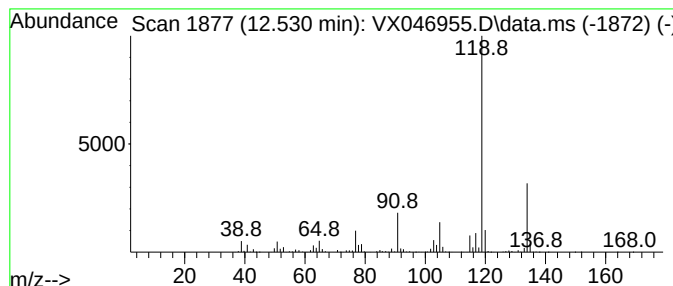
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.530	47.77 ug/l	1577020	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2			o-Cymene	134	C10H14	000527-84-4	95
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

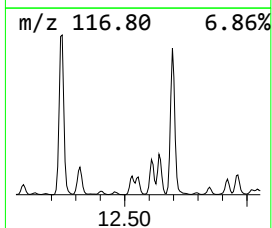
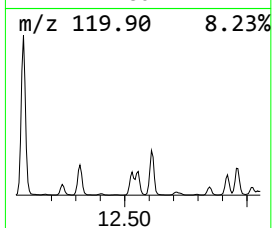
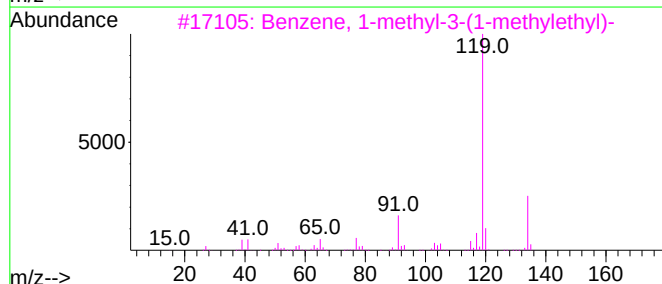
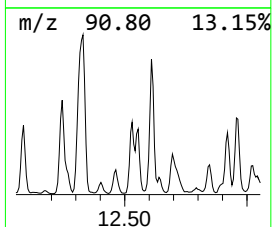
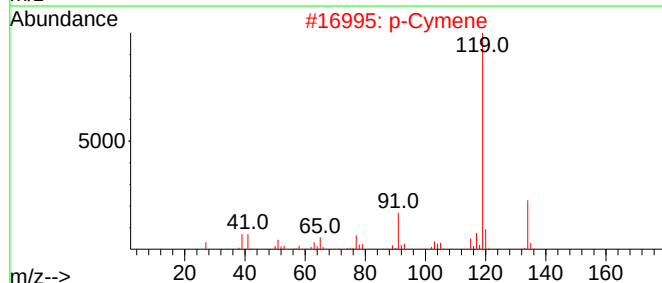
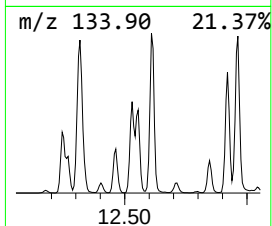
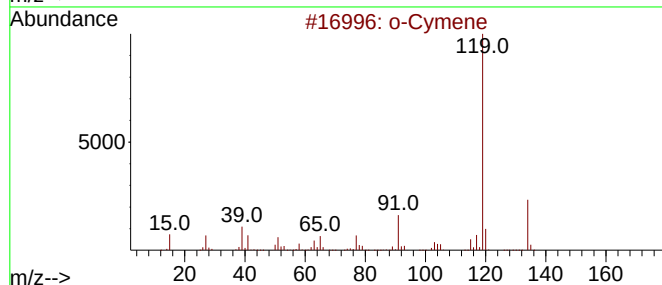
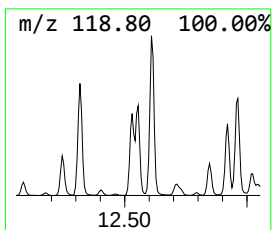
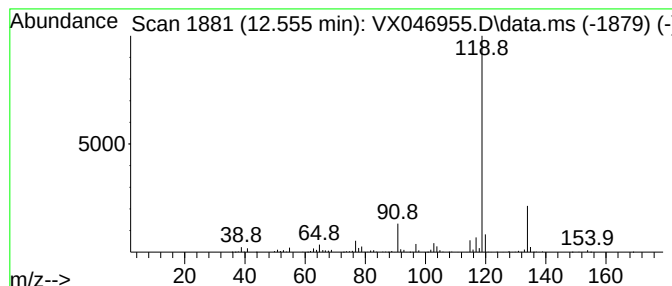
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 o-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.555	40.46 ug/l	1335880	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			p-Cymene	134	C10H14	000099-87-6	95
3			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

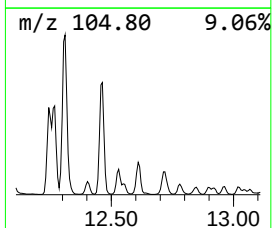
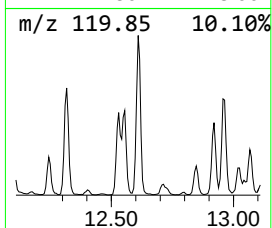
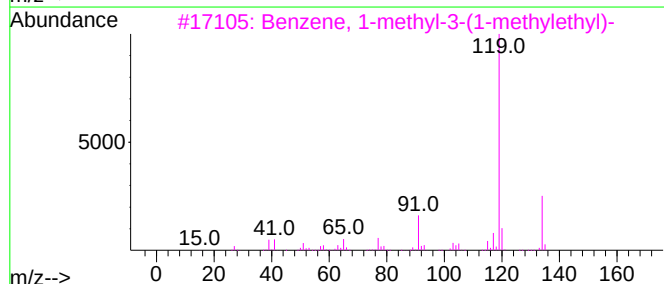
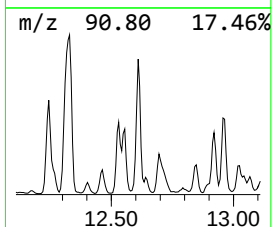
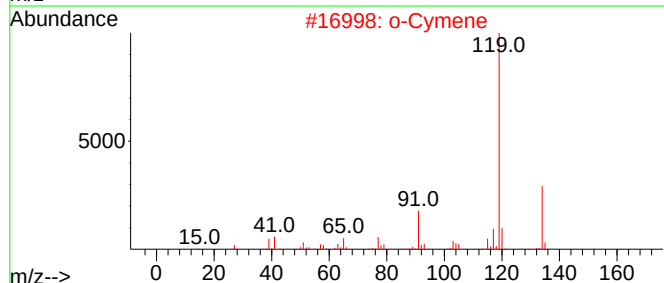
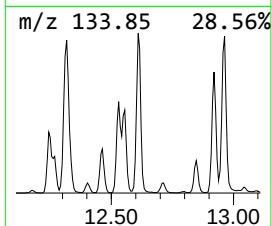
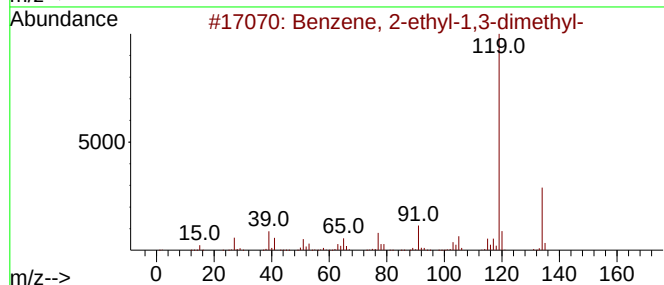
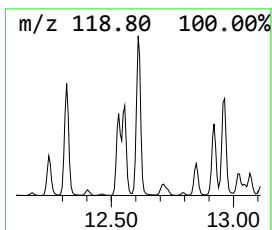
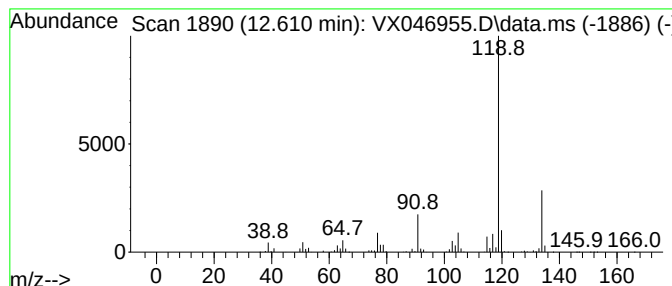
Instrument :
MSVOA_X
ClientSampleId :
GPX5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.610	79.01 ug/l	2608390	1,4-Dichlorobenzene-d4	12.018	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

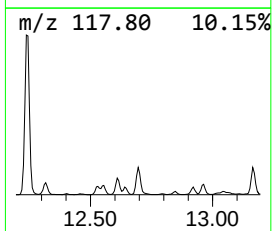
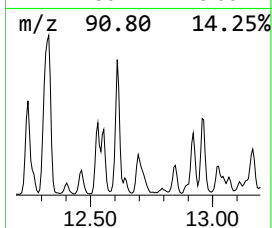
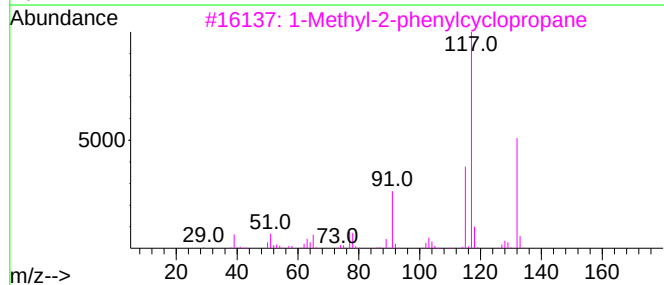
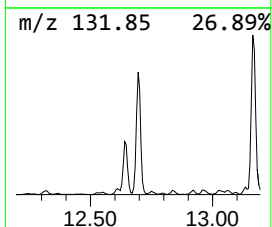
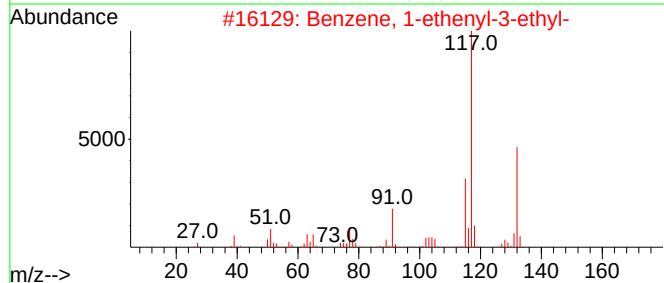
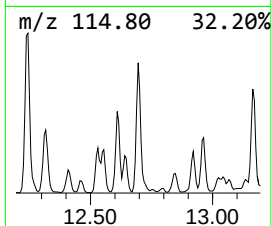
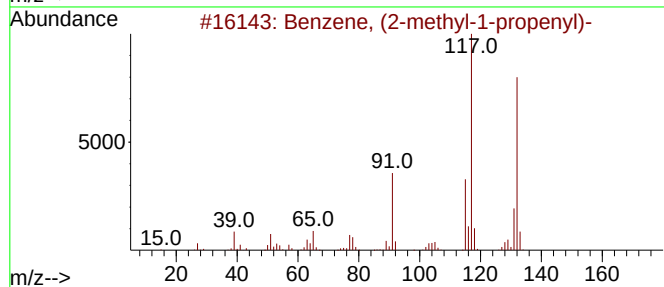
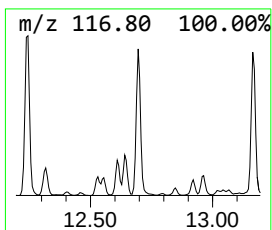
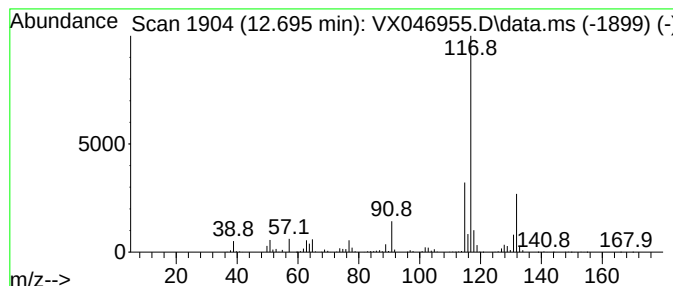
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzene, (2-methyl-1-propen... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.695	46.39 ug/l	1531370	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
4			1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5			Indan, 1-methyl-	132	C10H12	000767-58-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

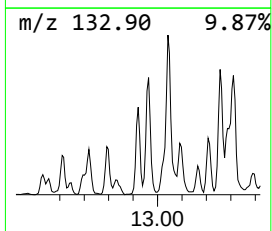
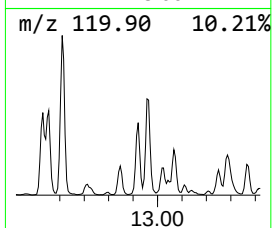
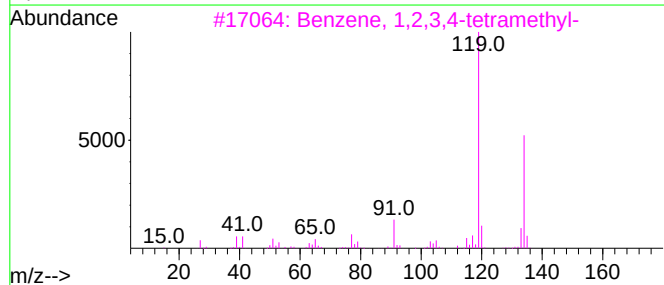
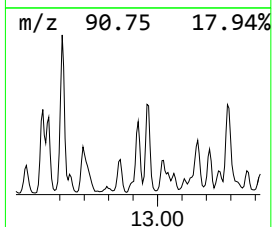
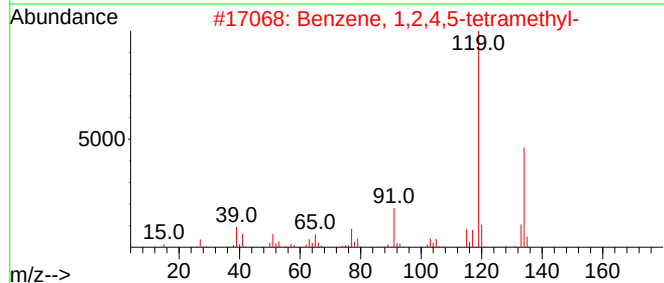
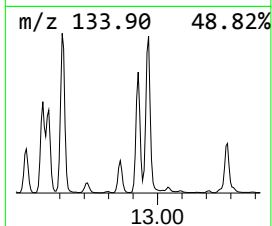
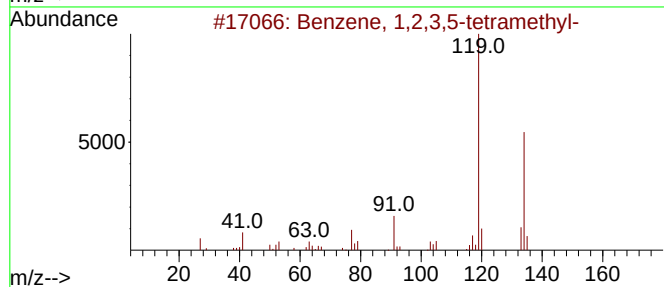
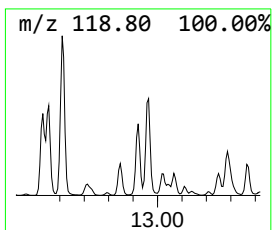
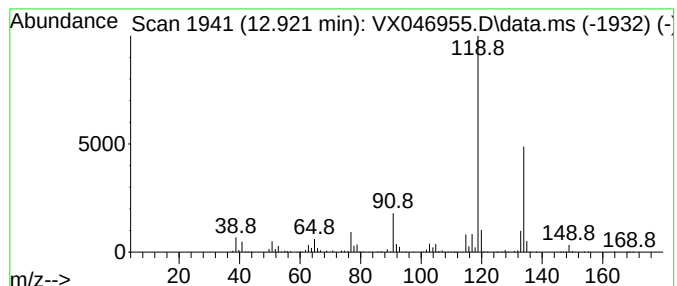
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.921	48.73 ug/l	1608650	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

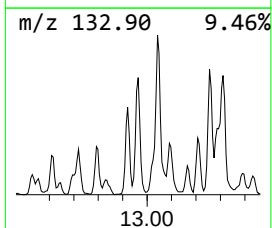
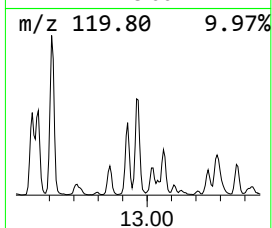
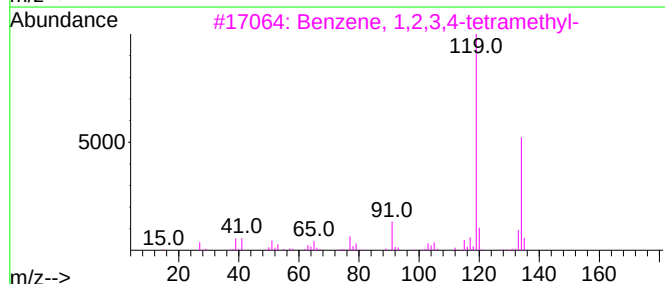
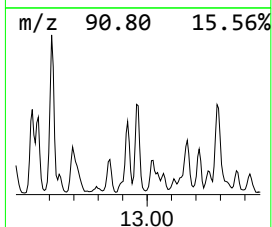
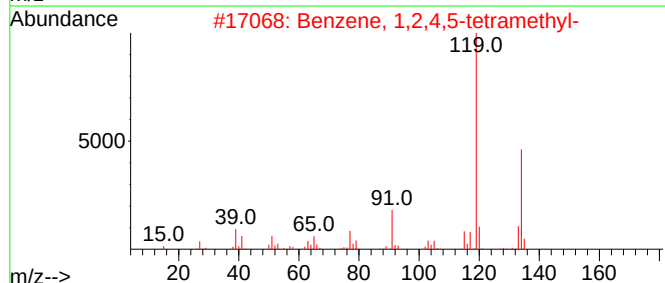
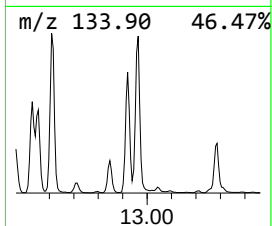
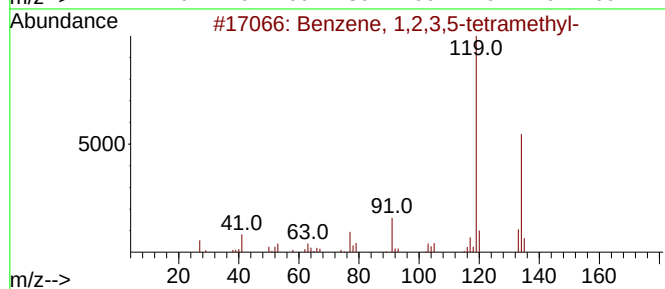
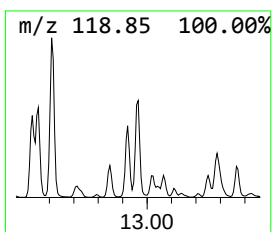
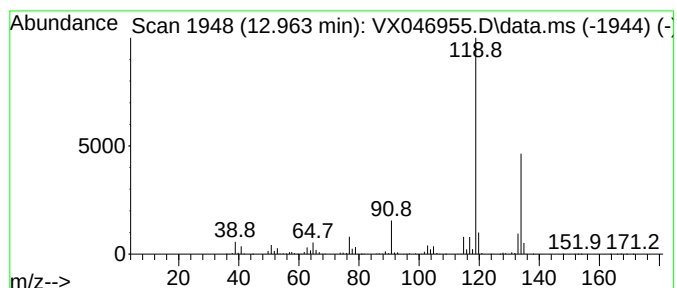
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.963	57.95 ug/l	1913110	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4			o-Cymene	134	C10H14	000527-84-4	94
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

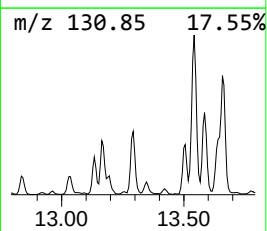
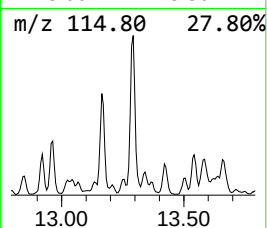
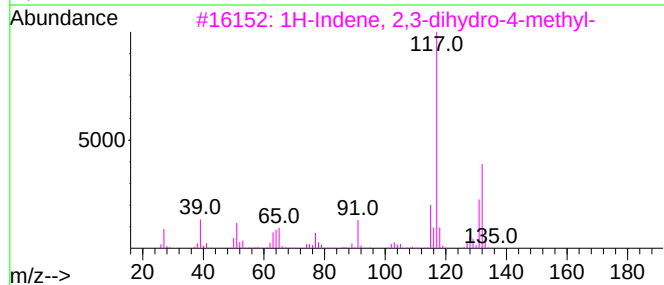
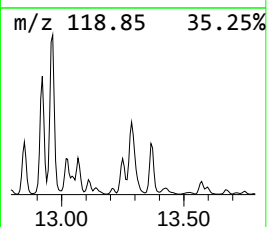
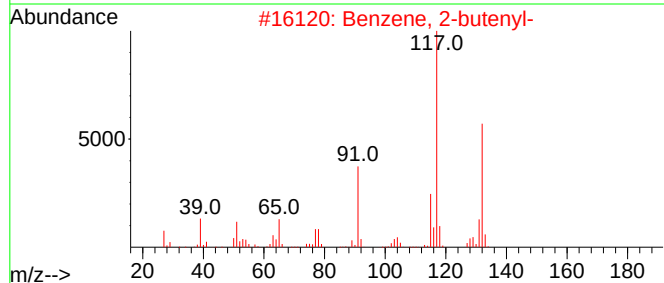
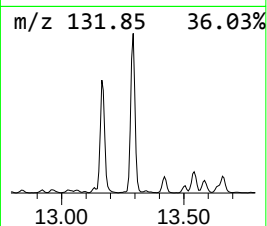
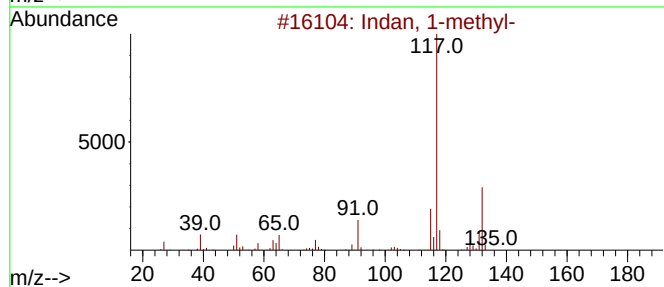
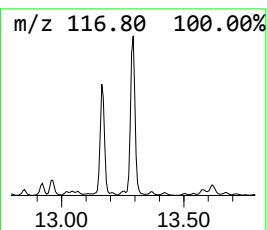
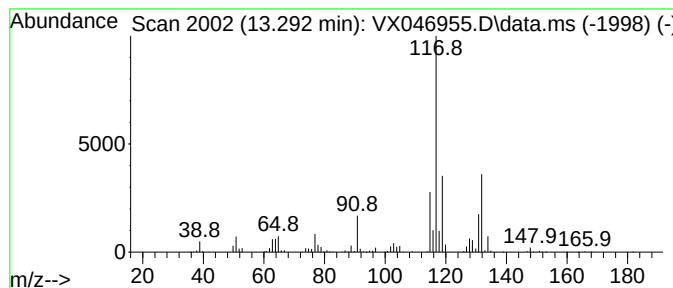
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Indan, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	67.45 ug/l	2226720	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	81
2			Benzene, 2-butenyl-	132	C10H12	001560-06-1	81
3			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
4			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
5			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046955.D
Acq On : 10 Jul 2025 18:59
Operator : JC/MD
Sample : Q2480-05 10X
Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Heptane, 2-methyl-	8.275	40.1	ug/l	866137	2	6.769	1079050	50.0
Octane	8.915	53.9	ug/l	1238070	3	10.055	1149050	50.0
Octane, 4-methyl-	9.903	64.9	ug/l	1491610	3	10.055	1149050	50.0
Nonane	10.360	82.0	ug/l	1884980	3	10.055	1149050	50.0
Nonane, 3-methyl-	10.781	43.5	ug/l	999044	3	10.055	1149050	50.0
Benzene, 1-ethy...	11.396	82.9	ug/l	2738000	4	12.018	1650670	50.0
Benzene, 1-ethy...	12.085	84.0	ug/l	2773380	4	12.018	1650670	50.0
Tetracyclo[3.3....	12.244	86.1	ug/l	2842420	4	12.018	1650670	50.0
Benzene, 2-ethy...	12.530	47.8	ug/l	1577020	4	12.018	1650670	50.0
o-Cymene	12.555	40.5	ug/l	1335880	4	12.018	1650670	50.0
Benzene, 2-ethy...	12.610	79.0	ug/l	2608390	4	12.018	1650670	50.0
Benzene, (2-met...	12.695	46.4	ug/l	1531370	4	12.018	1650670	50.0
Benzene, 1,2,3,...	12.921	48.7	ug/l	1608650	4	12.018	1650670	50.0
Benzene, 1,2,4,...	12.963	58.0	ug/l	1913110	4	12.018	1650670	50.0
Indan, 1-methyl-	13.292	67.5	ug/l	2226720	4	12.018	1650670	50.0

Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX6		SDG No.:	Q2480	
Lab Sample ID:	Q2480-06		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	86.9	
Sample Wt/Vol:	5.51	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031797.D	1	07/10/25 13:03	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.20	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.20	ug/Kg
75-01-4	Vinyl Chloride	0.82	U	0.82	5.20	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.20	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.20	ug/Kg
67-64-1	Acetone	4.90	U	4.90	26.1	ug/Kg
75-15-0	Carbon Disulfide	1.70	J	1.10	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.76	U	0.76	5.20	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.20	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.90	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	5.20	ug/Kg
110-82-7	Cyclohexane	0.82	U	0.82	5.20	ug/Kg
78-93-3	2-Butanone	6.80	U	6.80	26.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.78	U	0.78	5.20	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.20	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.97	U	0.97	5.20	ug/Kg
108-87-2	Methylcyclohexane	290	E	0.95	5.20	ug/Kg
71-43-2	Benzene	2.80	J	0.82	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.82	U	0.82	5.20	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.95	U	0.95	5.20	ug/Kg
75-27-4	Bromodichloromethane	0.81	U	0.81	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	26.1	ug/Kg
108-88-3	Toluene	0.81	U	0.81	5.20	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX6	SDG No.:	Q2480
Lab Sample ID:	Q2480-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	5.51	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031797.D	1	07/10/25 13:03	VW071025

[illegible]

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX6	SDG No.:	Q2480
Lab Sample ID:	Q2480-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	5.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031797.D	1	07/10/25 13:03	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000589-34-4	Hexane, 3-methyl-	200	J		9.76	ug/Kg
000609-26-7	Pentane, 3-ethyl-2-methyl-	220	J		9.90	ug/Kg
000589-81-1	Heptane, 3-methyl-	370	J		10.1	ug/Kg
002207-01-4	Cyclohexane, 1,2-dimethyl-, cis-	300	J		10.5	ug/Kg
006876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	200	J		10.7	ug/Kg
002207-04-7	Cyclohexane, 1,4-dimethyl-, trans-	340	J		10.8	ug/Kg
002216-30-0	Heptane, 2,5-dimethyl-	270	J		11.0	ug/Kg
001678-91-7	Cyclohexane, ethyl-	300	J		11.2	ug/Kg
001795-26-2	Cyclohexane, 1,3,5-trimethyl-, (1.	340	J		11.2	ug/Kg
002216-34-4	Octane, 4-methyl-	230	J		11.4	ug/Kg
002216-33-3	Octane, 3-methyl-	270	J		11.5	ug/Kg
003728-56-1	1-Ethyl-4-methylcyclohexane	280	J		12.1	ug/Kg
013152-05-1	Cyclooctene, 3-methyl-	320	J		12.3	ug/Kg
103-65-1	n-propylbenzene	160	J		12.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	260	J		12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	780	J		13.3	ug/Kg
135-98-8	sec-Butylbenzene	75.0	J		13.4	ug/Kg
99-87-6	p-Isopropyltoluene	34.3	J		13.5	ug/Kg
104-51-8	n-Butylbenzene	80.4	J		13.8	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	210	J		14.1	ug/Kg
001587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	220	J		14.8	ug/Kg
91-20-3	Naphthalene	110	J		15.4	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031797.D
 Acq On : 10 Jul 2025 13:03
 Operator : SY/MD
 Sample : Q2480-06
 Misc : 5.51g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX6

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 11 02:19:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	179251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	363855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	322565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	190018	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	123670	48.075	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	96.140%		
35) Dibromofluoromethane	7.898	113	113976	48.004	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	96.000%		
50) Toluene-d8	10.325	98	966069	109.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	218.680%#		
62) 4-Bromofluorobenzene	12.611	95	465295	143.098	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	286.200%#		
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.423	76	9140	1.599	ug/l	# 95
39) Methylcyclohexane	9.343	83	1169828m	273.667	ug/l	
40) Benzene	8.343	78	26996	2.656	ug/l	98
67) Ethyl Benzene	11.733	91	1959994	158.820	ug/l	95
68) m/p-Xylenes	11.843	106	1401145	295.347	ug/l	100
73) Isopropylbenzene	12.465	105	715293	49.488	ug/l	100
78) n-propylbenzene	12.800	91	2606277	150.581	ug/l	96
80) 1,3,5-Trimethylbenzene	12.940	105	2980928	249.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.251	105	9034854	745.313	ug/l	98
85) sec-Butylbenzene	13.379	105	1105459	71.865	ug/l	# 54
86) p-Isopropyltoluene	13.495	119	416601	32.862	ug/l	90
89) n-Butylbenzene	13.818	91	948503m	77.005	ug/l	
95) Naphthalene	15.360	128	939389	105.146	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

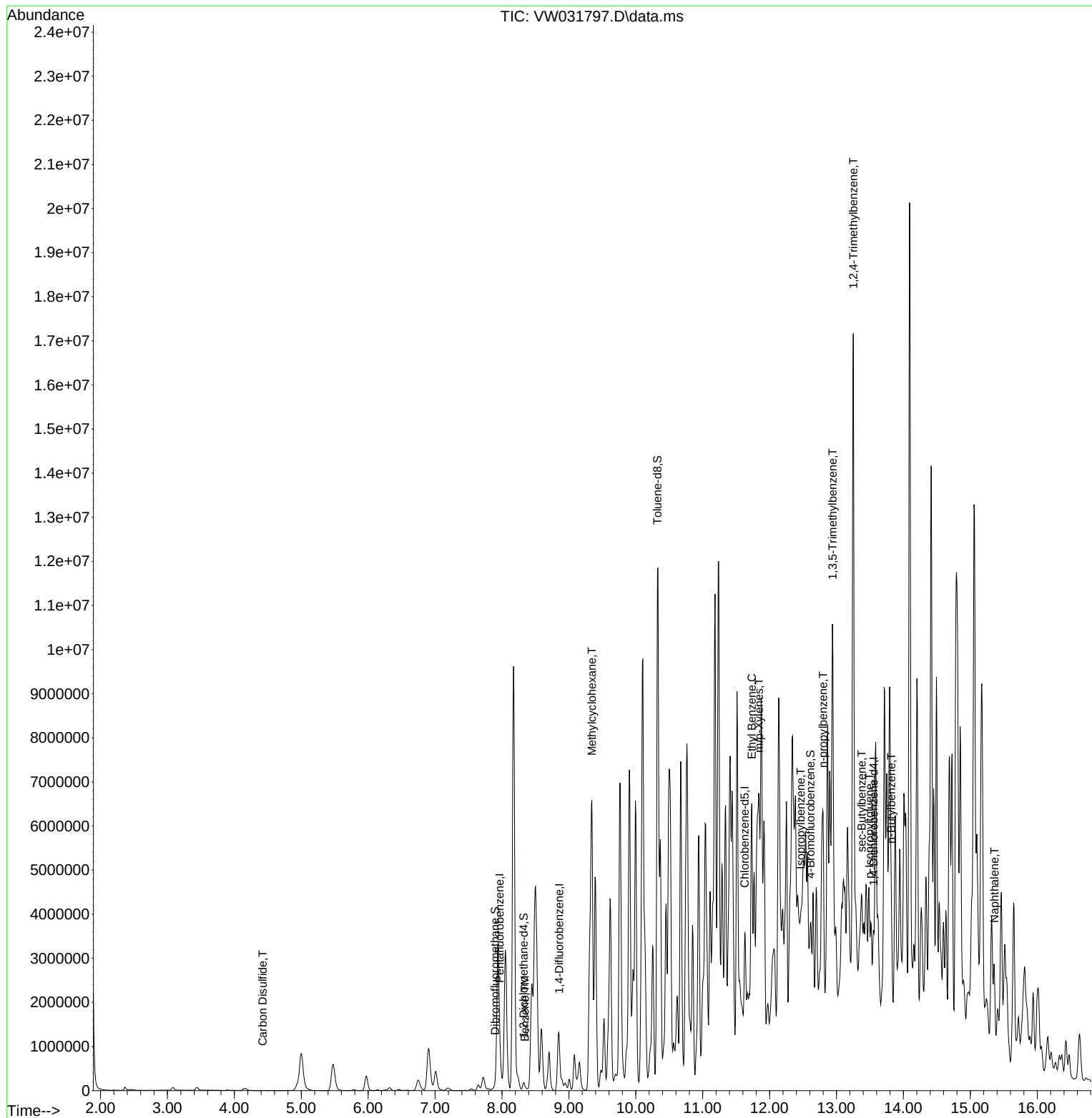
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Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

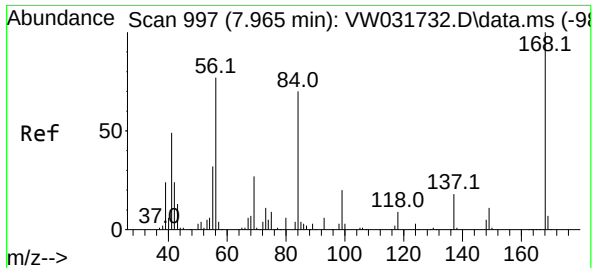
Instrument :
MSVOA_W
ClientSampleId :
GPX6

Manual Integrations
APPROVED

Reviewed By : Mahesh Dadoda 07/14/2025
Supervised By : Semsettin Yesilyurt 07/14/2025

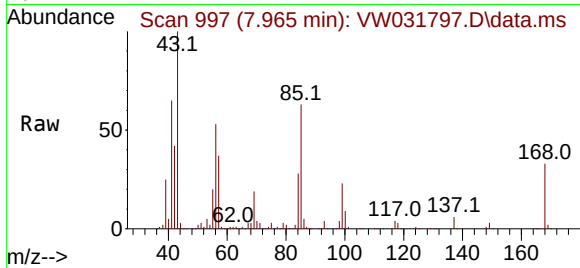
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Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

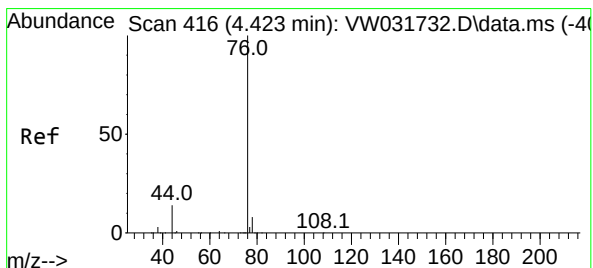
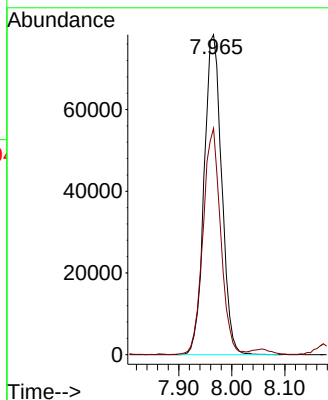
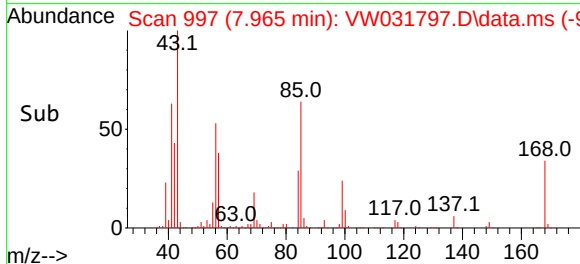
Instrument :
MSVOA_W
ClientSampleId :
GPX6



Tgt Ion:168 Resp: 17925
Ion Ratio Lower Upper
168 100
99 70.5 49.4 74.2

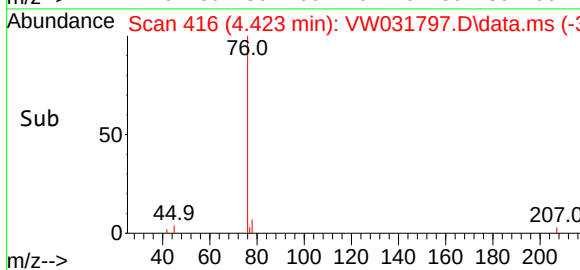
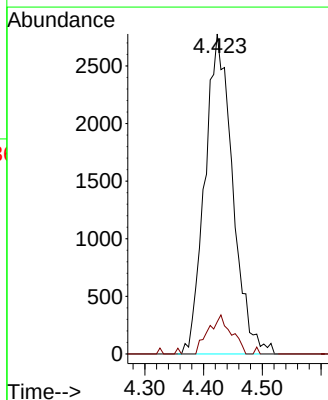
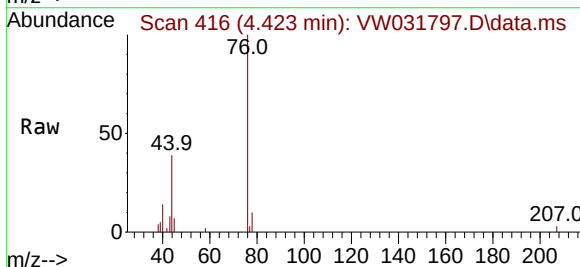
Manual Integrations
APPROVED

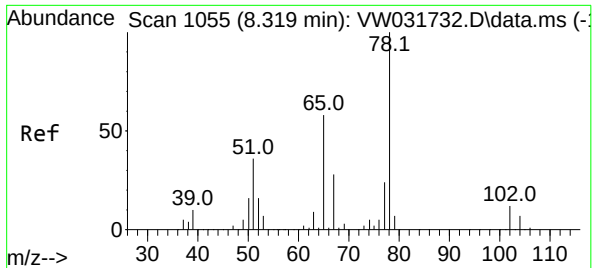
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#17
Carbon Disulfide
Concen: 1.599 ug/l
RT: 4.423 min Scan# 416
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

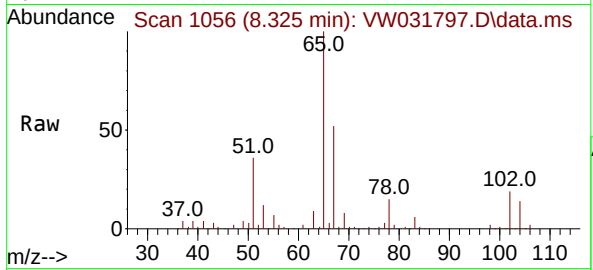
Tgt Ion: 76 Resp: 9140
Ion Ratio Lower Upper
76 100
78 10.0 6.6 10.0#





#33
1,2-Dichloroethane-d4
Concen: 48.075 ug/l
RT: 8.325 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

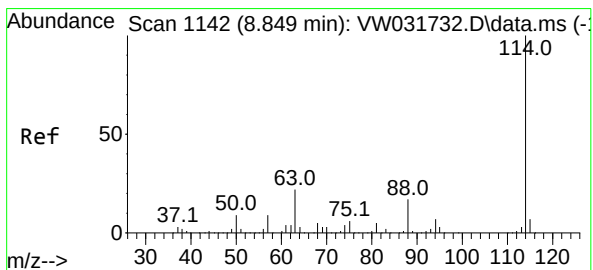
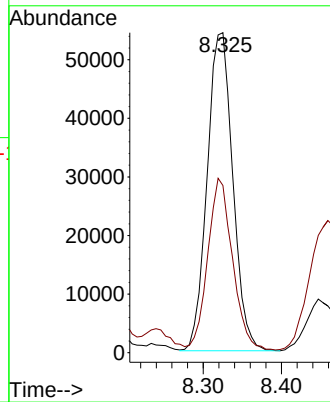
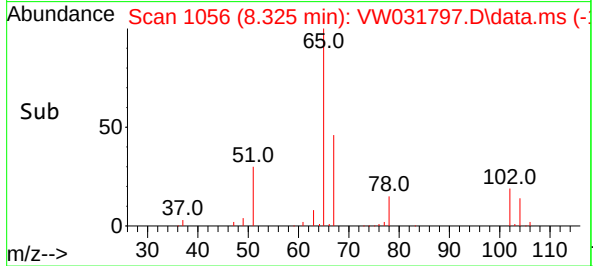
Instrument :
MSVOA_W
ClientSampleId :
GPX6



Tgt Ion: 65 Resp: 123670
Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.4

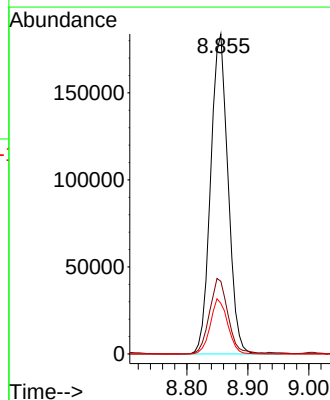
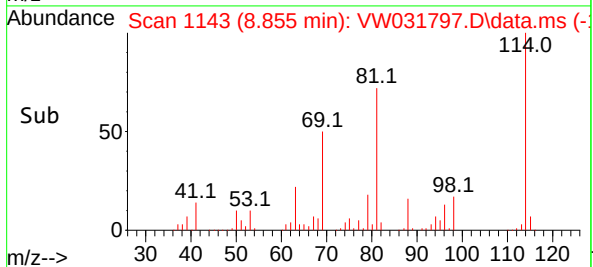
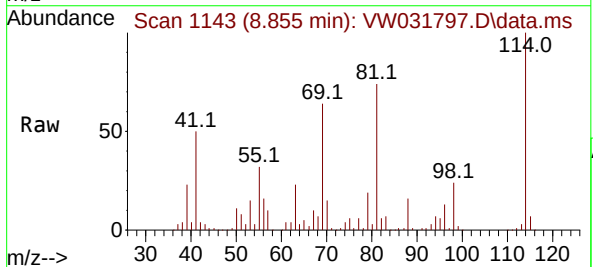
Manual Integrations
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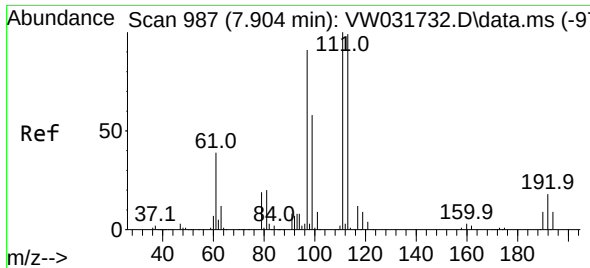
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

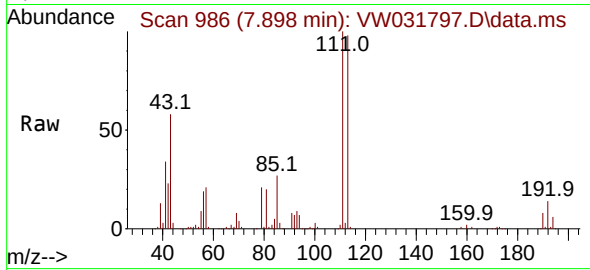
Tgt Ion:114 Resp: 363855
Ion Ratio Lower Upper
114 100
63 22.7 0.0 43.6
88 15.8 0.0 34.2





#35
Dibromofluoromethane
Concen: 48.004 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

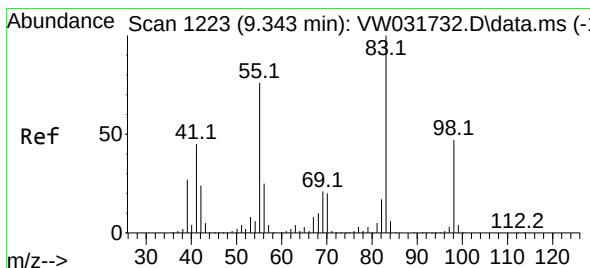
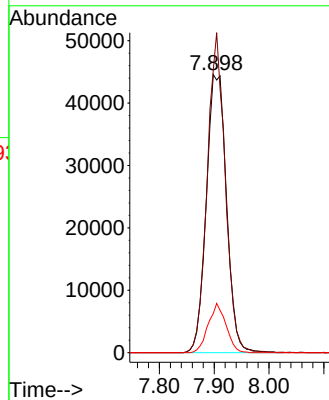
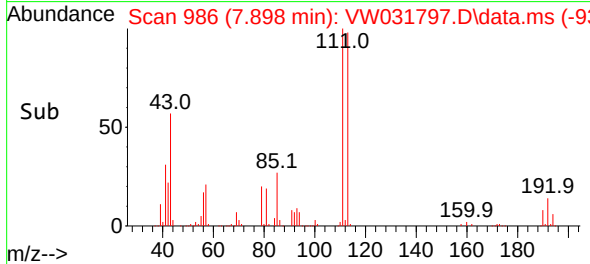
Instrument :
MSVOA_W
ClientSampleId :
GPX6



Tgt Ion:113 Resp: 113970
Ion Ratio Lower Upper
113 100
111 102.8 82.1 123.1
192 15.6 13.8 20.6

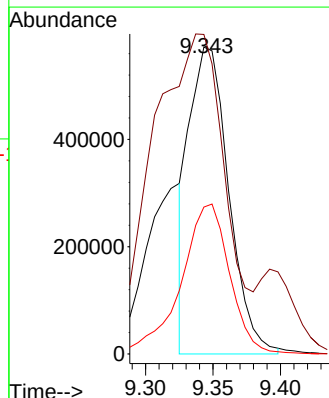
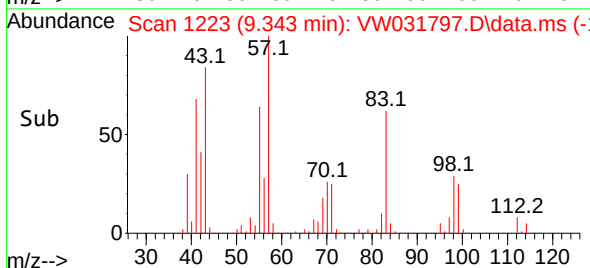
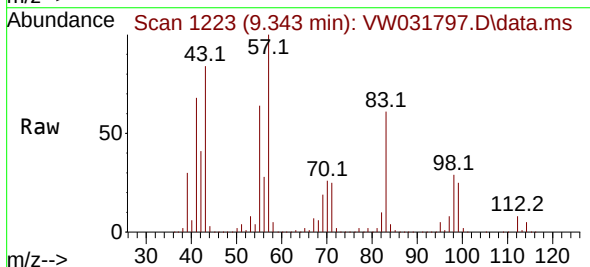
Manual Integrations
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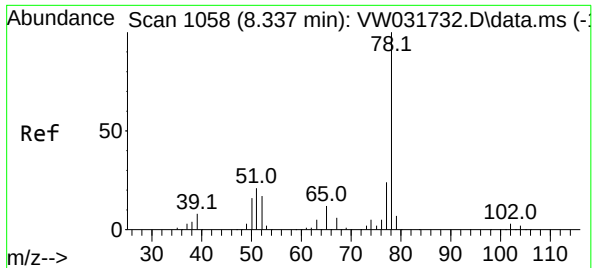
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#39
Methylcyclohexane
Concen: 273.667 ug/l m
RT: 9.343 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

Tgt Ion: 83 Resp: 1169828
Ion Ratio Lower Upper
83 100
55 104.2 61.0 91.4#
98 47.9 37.9 56.9





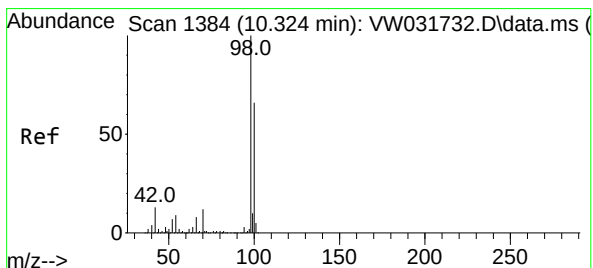
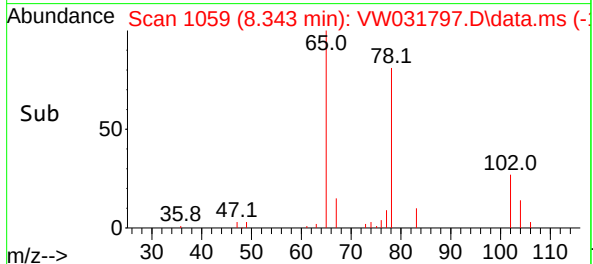
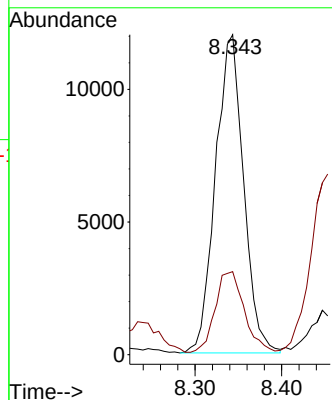
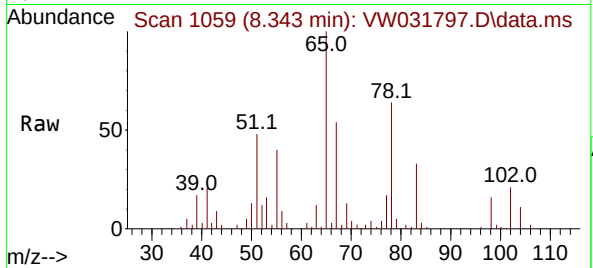
#40
Benzene
Concen: 2.656 ug/l
RT: 8.343 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

Instrument :
MSVOA_W
ClientSampleId :
GPX6

Tgt Ion: 78 Resp: 26990
Ion Ratio Lower Upper
78 100
77 24.8 19.2 28.8

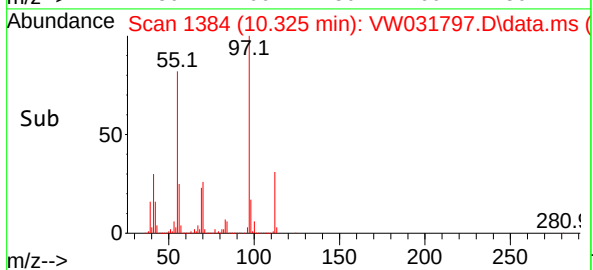
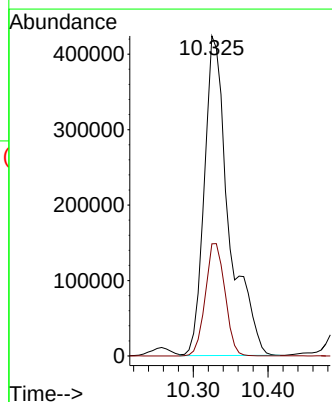
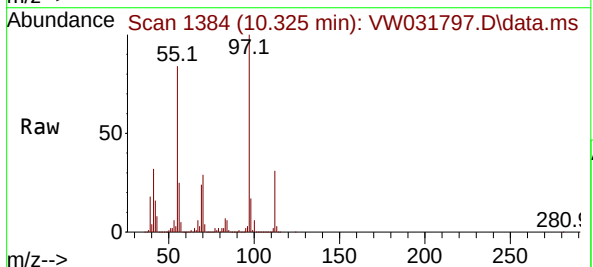
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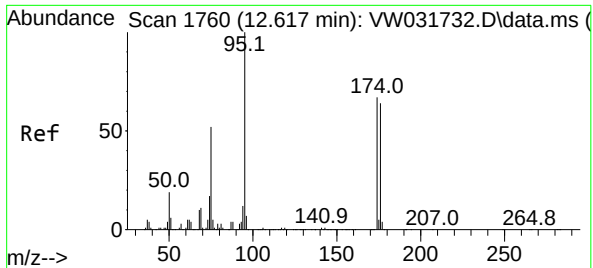
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#50
Toluene-d8
Concen: 109.336 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

Tgt Ion: 98 Resp: 966069
Ion Ratio Lower Upper
98 100
100 28.2 53.0 79.4#





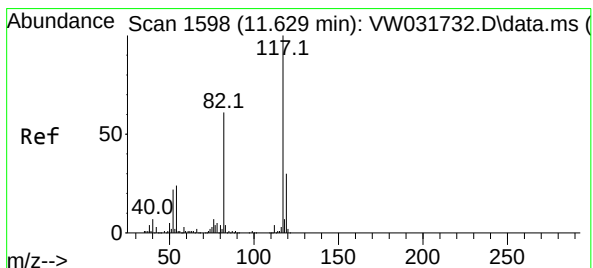
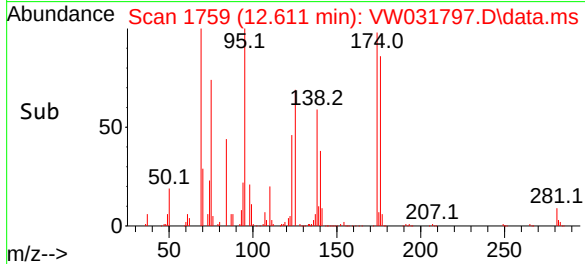
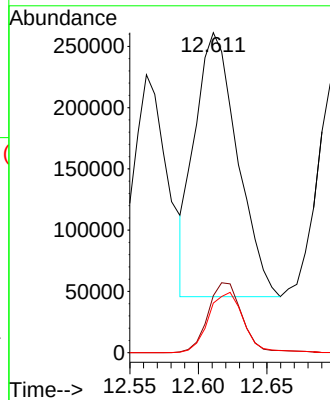
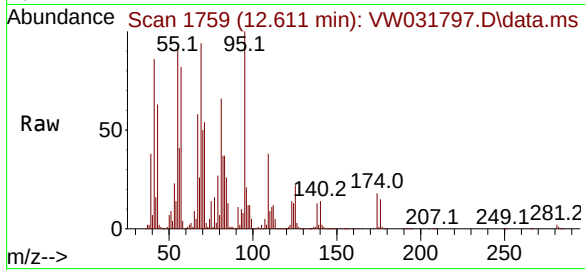
#62
4-Bromofluorobenzene
Concen: 143.098 ug/l
RT: 12.611 min Scan# 1759
Delta R.T. -0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

Instrument :
MSVOA_W
ClientSampleId :
GPX6

Tgt Ion: 95 Resp: 465295
Ion Ratio Lower Upper
95 100
174 21.5 0.0 133.8
176 19.1 0.0 126.0

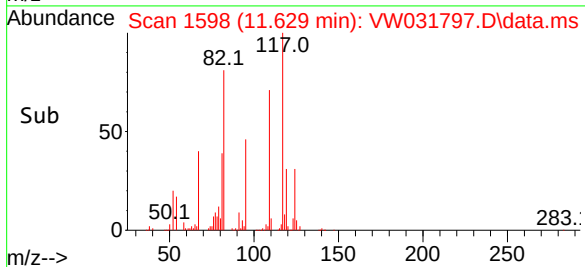
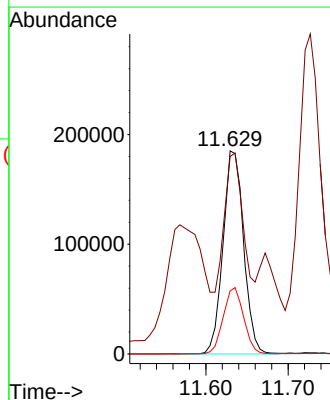
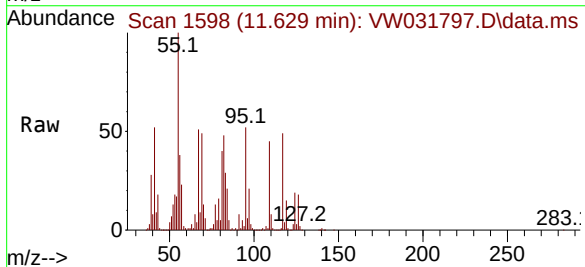
Manual Integrations
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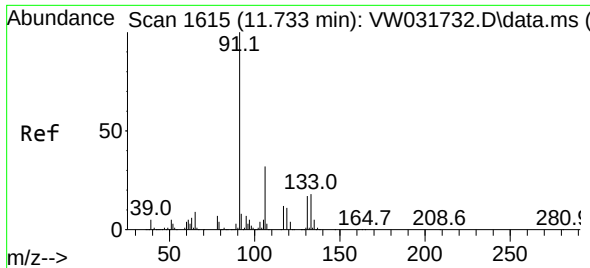
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

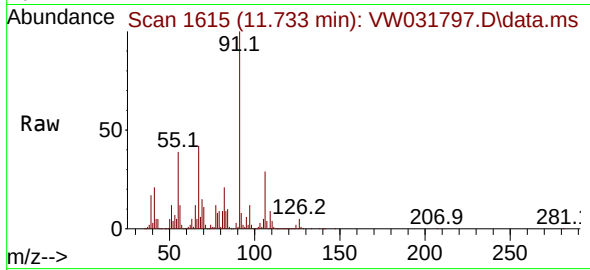
Tgt Ion:117 Resp: 322565
Ion Ratio Lower Upper
117 100
82 70.0 48.6 72.8
119 31.0 23.9 35.9





#67
Ethyl Benzene
Concen: 158.820 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

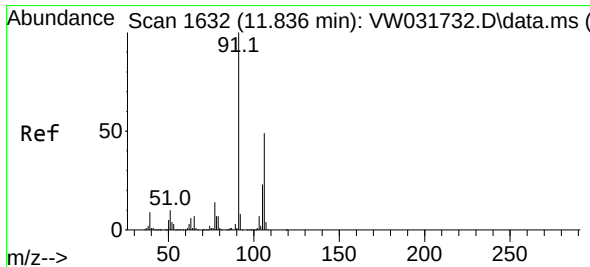
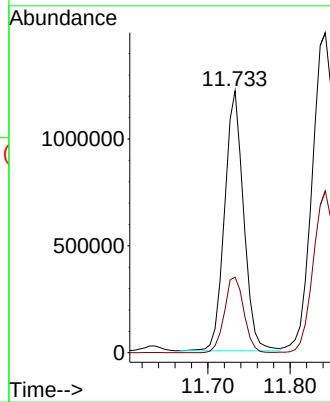
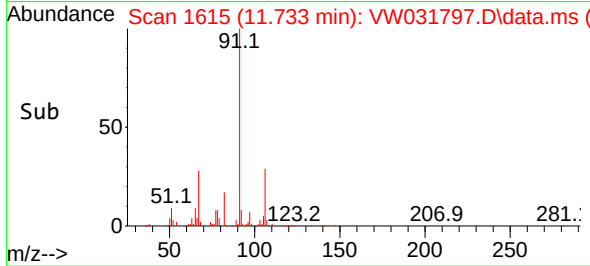
Instrument :
MSVOA_W
ClientSampleId :
GPX6



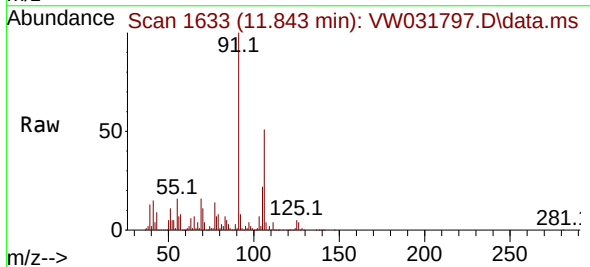
Tgt Ion: 91 Resp: 1959994
Ion Ratio Lower Upper
91 100
106 29.0 25.4 38.2

Manual Integrations
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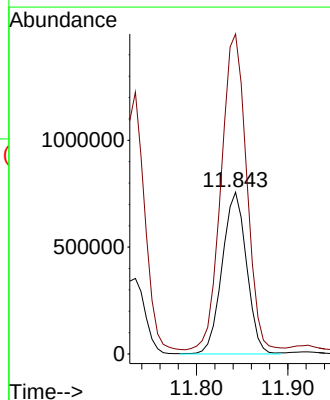
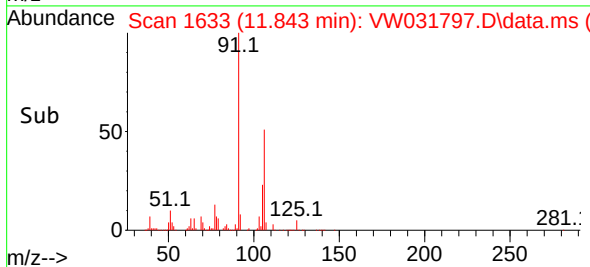
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

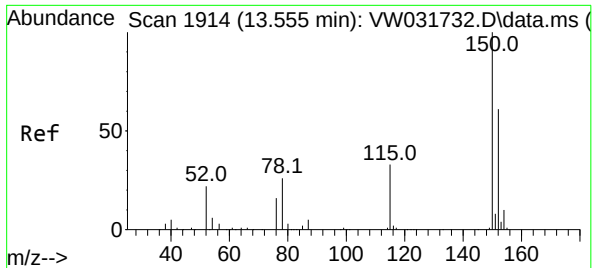


#68
m/p-Xylenes
Concen: 295.347 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03



Tgt Ion:106 Resp: 1401145
Ion Ratio Lower Upper
106 100
91 207.4 166.4 249.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031797.D

Acq: 10 Jul 2025 13:03

Instrument :

MSVOA_W

ClientSampleId :

GPX6

Tgt Ion:152 Resp: 190018

Ion Ratio Lower Upper

152 100

115 0.0 31.9 95.7

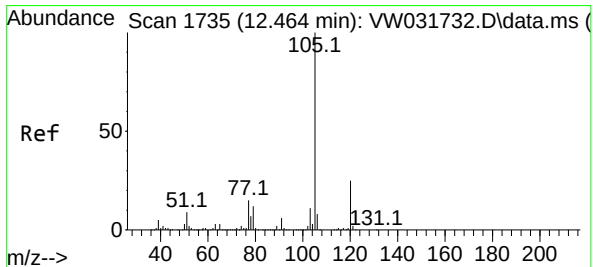
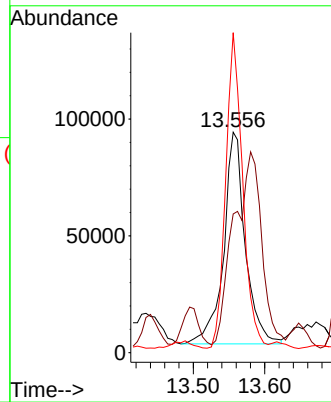
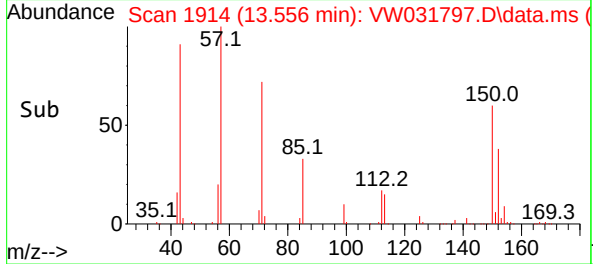
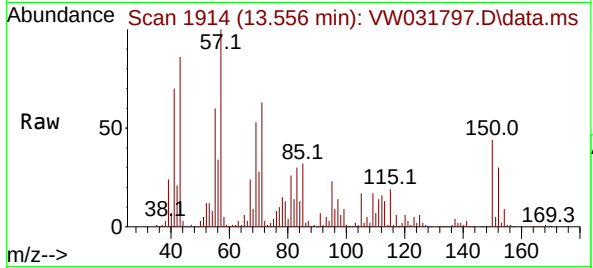
150 116.7 0.0 356.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025

Supervised By :Semsettin Yesilyurt 07/14/2025



#73

Isopropylbenzene

Concen: 49.488 ug/l

RT: 12.465 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VW031797.D

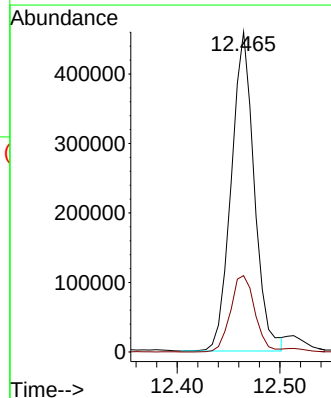
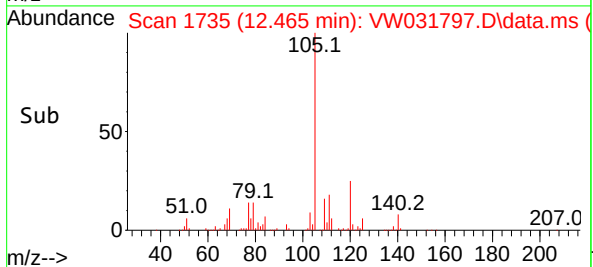
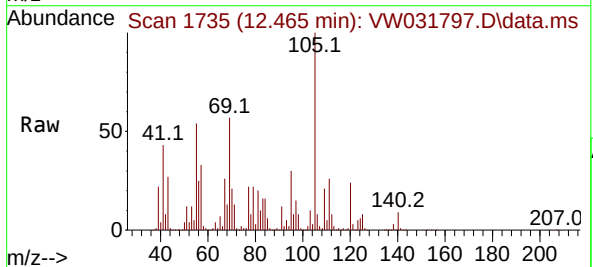
Acq: 10 Jul 2025 13:03

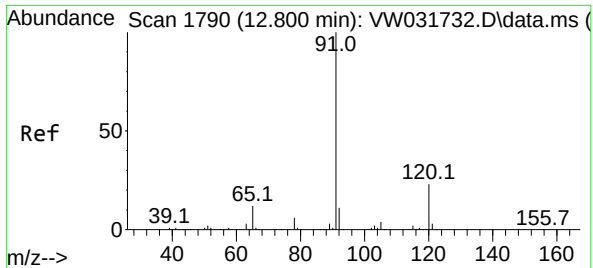
Tgt Ion:105 Resp: 715293

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.4





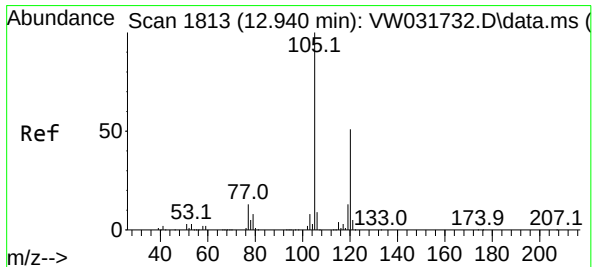
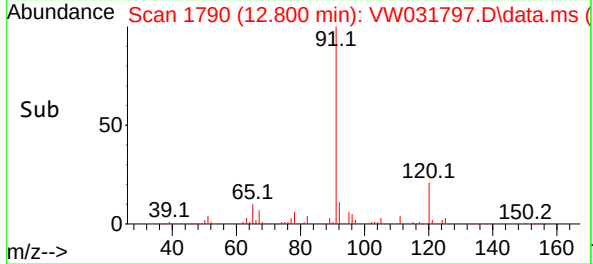
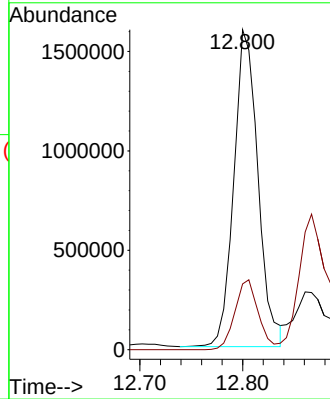
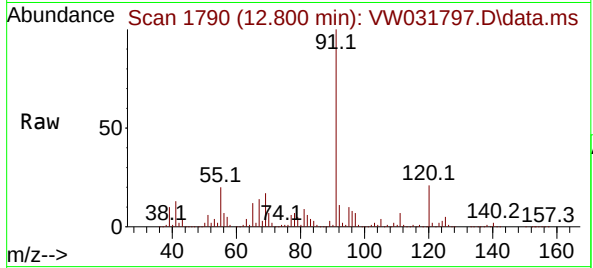
#78
n-propylbenzene
Concen: 150.581 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

Instrument :
MSVOA_W
ClientSampleId :
GPX6

Tgt Ion: 91 Resp: 260627
Ion Ratio Lower Upper
91 100
120 21.2 11.5 34.4

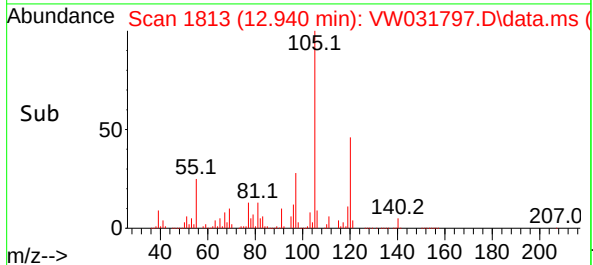
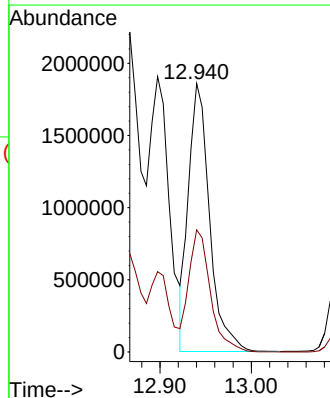
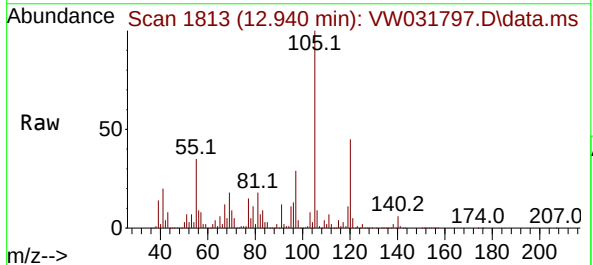
Manual Integrations
APPROVED

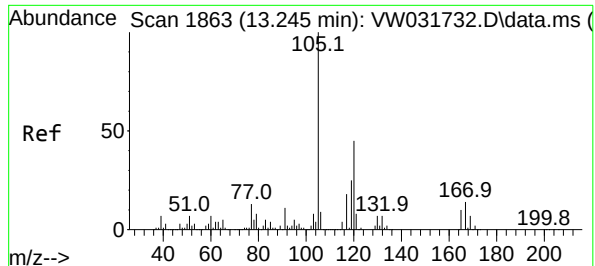
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 249.155 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

Tgt Ion:105 Resp: 2980928
Ion Ratio Lower Upper
105 100
120 46.7 23.8 71.2





#84

1,2,4-Trimethylbenzene

Concen: 745.313 ug/l

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW031797.D

Acq: 10 Jul 2025 13:03

Instrument :

MSVOA_W

ClientSampleId :

GPX6

Tgt Ion:105 Resp: 903485

Ion Ratio Lower Upper

105 100

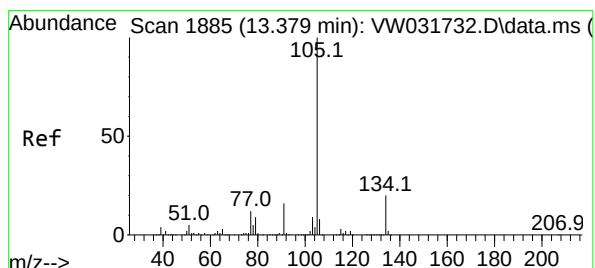
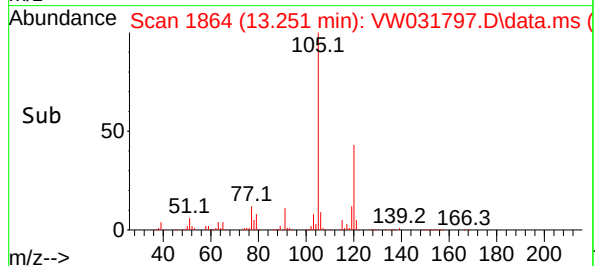
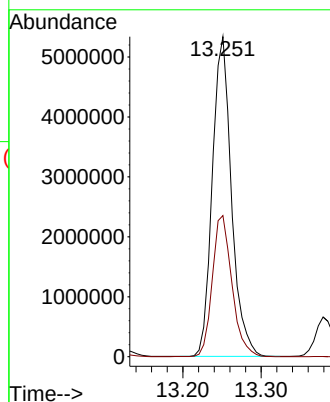
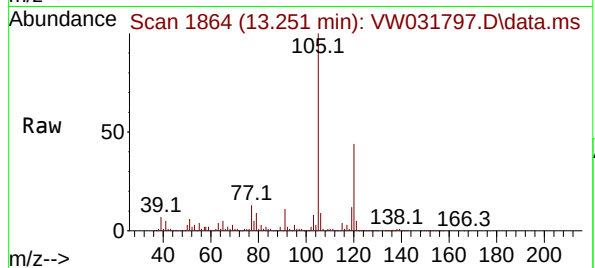
120 45.3 22.1 66.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025

Supervised By :Semsettin Yesilyurt 07/14/2025



#85

sec-Butylbenzene

Concen: 71.865 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031797.D

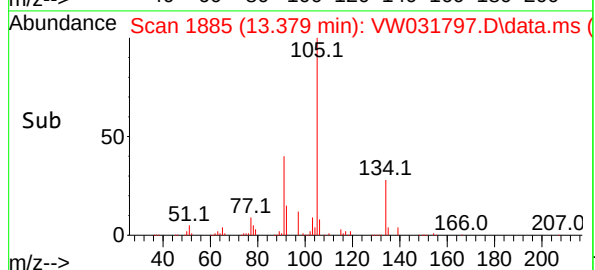
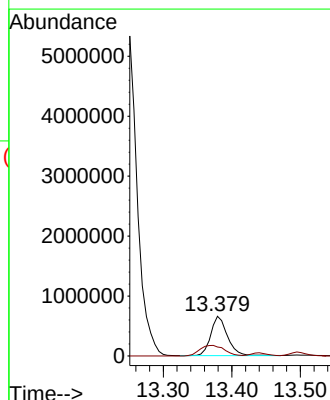
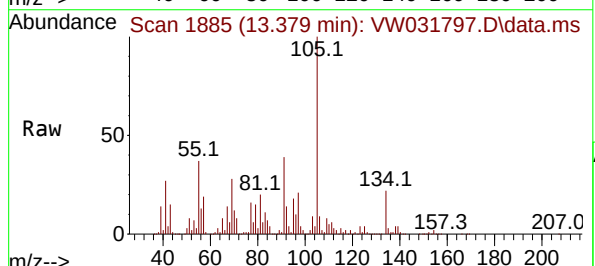
Acq: 10 Jul 2025 13:03

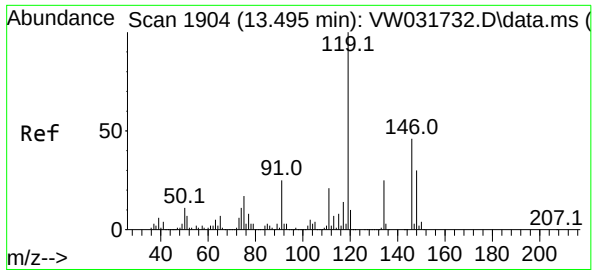
Tgt Ion:105 Resp: 1105459

Ion Ratio Lower Upper

105 100

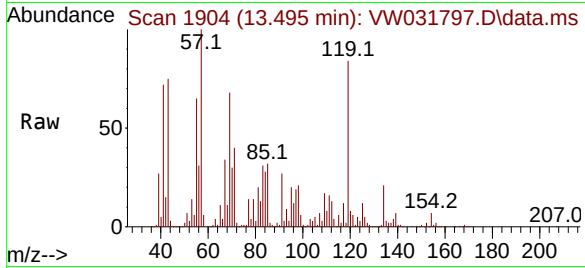
134 39.9 9.6 28.8#





#86
p-Isopropyltoluene
Concen: 32.862 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03

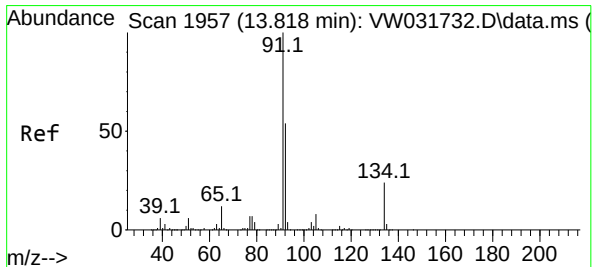
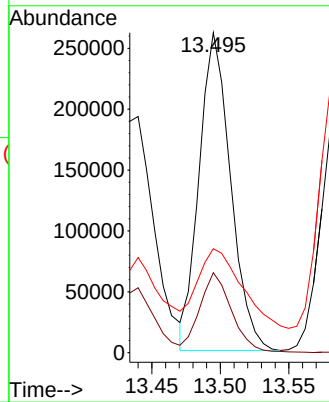
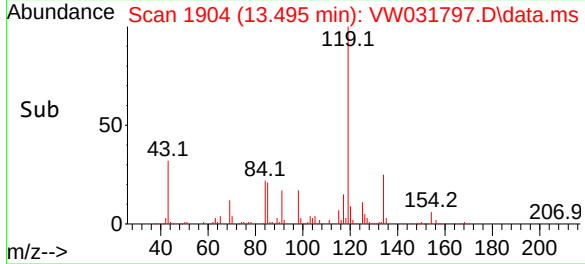
Instrument :
MSVOA_W
ClientSampleId :
GPX6



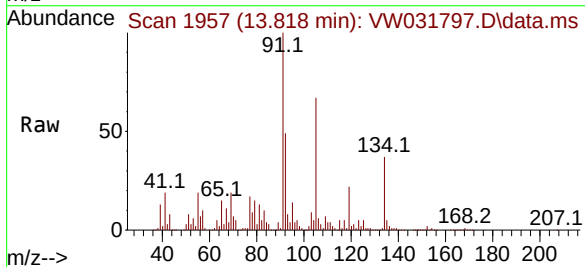
Tgt Ion: 119 Resp: 41660
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.7
91 34.9 12.7 38.0

Manual Integrations
APPROVED

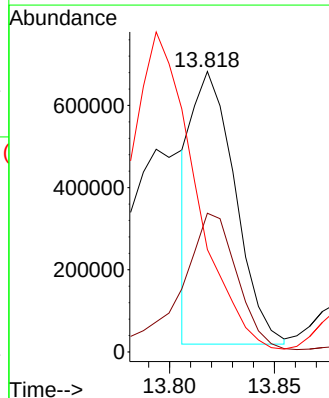
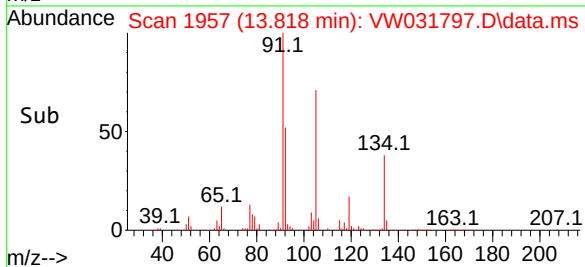
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

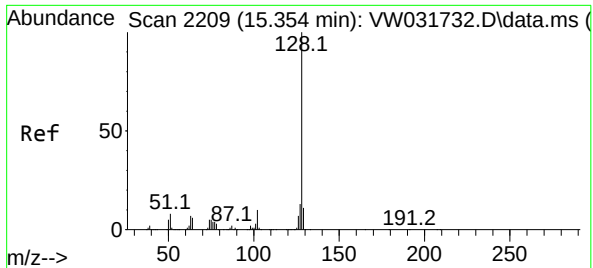


#89
n-Butylbenzene
Concen: 77.005 ug/l m
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW031797.D
Acq: 10 Jul 2025 13:03



Tgt Ion: 91 Resp: 948503
Ion Ratio Lower Upper
91 100
92 65.4 27.2 81.5
134 0.0 12.2 36.6#





#95

Naphthalene

Concen: 105.146 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW031797.D

Acq: 10 Jul 2025 13:03

Instrument :

MSVOA_W

ClientSampleId :

GPX6

Tgt Ion:128 Resp: 939389

Ion Ratio Lower Upper

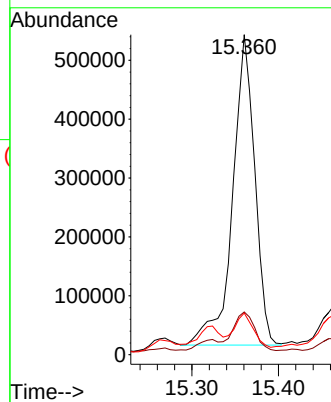
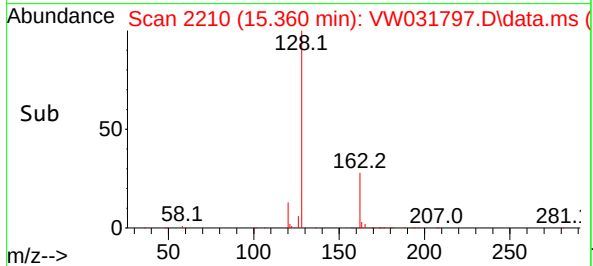
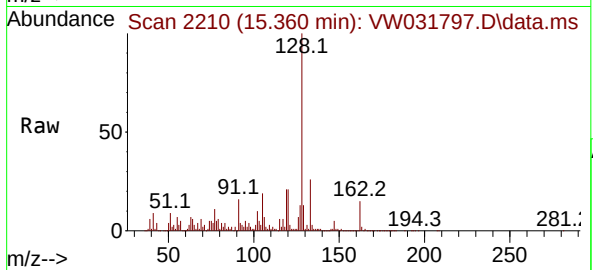
128 100

127 12.3 10.8 16.2

129 9.4 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260

Signal : TIC: VW031797.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.003	488	511	540	rBV	838747	3959415	14.04%	0.438%
2	5.478	573	589	616	rBV	597807	2383210	8.45%	0.264%
3	6.905	811	823	833	rVV	951066	3407840	12.08%	0.377%
4	7.008	833	840	859	rVV	435528	1455520	5.16%	0.161%
5	7.941	975	993	1003	rBV	3319322	9656646	34.24%	1.069%
6	8.051	1003	1011	1022	rVB	3119602	8494397	30.12%	0.940%
7	8.173	1022	1031	1050	rVB	9583291	23448518	83.13%	2.595%
8	8.447	1066	1076	1079	rBV2	2383386	5963425	21.14%	0.660%
9	8.502	1079	1085	1094	rVV2	4391534	14190778	50.31%	1.570%
10	8.587	1094	1099	1109	rVB	1347527	3358026	11.91%	0.372%
11	8.703	1109	1118	1132	rVB3	859151	2148603	7.62%	0.238%
12	8.849	1132	1142	1154	rBV3	1312801	3832308	13.59%	0.424%
13	9.081	1173	1180	1186	rBV	775931	1814841	6.43%	0.201%
14	9.160	1187	1193	1208	rVB2	639284	1699818	6.03%	0.188%
15	9.343	1208	1223	1227	rBV4	6573851	19990931	70.88%	2.212%
16	9.392	1227	1231	1240	rVB	4753998	10114220	35.86%	1.119%
17	9.526	1248	1253	1258	rVB2	1371885	2455148	8.70%	0.272%
18	9.618	1258	1268	1276	rVB3	4131081	10353314	36.71%	1.146%
19	9.764	1285	1292	1303	rVB2	6686862	14937167	52.96%	1.653%
20	9.904	1303	1315	1320	rBV	6980289	15840198	56.16%	1.753%
21	9.959	1320	1324	1326	rVV3	2032607	3635035	12.89%	0.402%
22	9.995	1326	1330	1338	rVB	6379423	12207093	43.28%	1.351%
23	10.105	1338	1348	1360	rBV2	9581976	26901613	95.38%	2.977%
24	10.252	1360	1372	1378	rBV4	2995470	7090213	25.14%	0.785%
25	10.331	1378	1385	1389	rBV	11471731	24305039	86.17%	2.690%
26	10.367	1389	1391	1396	rVB	4969575	6422050	22.77%	0.711%
27	10.453	1396	1405	1408	rBV	3509697	6818727	24.18%	0.755%
28	10.502	1408	1413	1421	rVB5	6389700	17713313	62.80%	1.960%
29	10.617	1427	1432	1436	rBV4	1239987	2236979	7.93%	0.248%
30	10.672	1436	1441	1448	rVB	6869668	12238955	43.39%	1.354%
31	10.764	1448	1456	1466	rBV5	7272895	20076075	71.18%	2.222%
32	10.849	1466	1470	1476	rVB	3400523	6042099	21.42%	0.669%
33	10.940	1476	1485	1490	rBV	5429543	10885307	38.59%	1.205%
34	11.038	1490	1501	1509	rBV3	5259121	15916837	56.43%	1.761%
35	11.111	1509	1513	1516	rVV2	3049856	4984187	17.67%	0.552%
36	11.184	1520	1525	1529	rVV	9710074	18161445	64.39%	2.010%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260

37	11.239	1529	1534	1539	rVV	10381497	20302869	71.98%	2.247%
38	11.288	1539	1542	1546	rVV2	3479741	5883134	20.86%	0.651%
39	11.343	1546	1551	1555	rVV2	4733519	8364474	29.66%	0.926%
40	11.410	1555	1562	1565	rVV	5789301	13441962	47.66%	1.488%
41	11.440	1565	1567	1574	rVB3	5533723	9116874	32.32%	1.009%
42	11.514	1574	1579	1594	rBV	7783889	16245686	57.60%	1.798%
43	11.629	1594	1598	1603	rBV3	1881378	3117884	11.05%	0.345%
44	11.733	1610	1615	1618	rBV2	4332870	7015063	24.87%	0.776%
45	11.770	1618	1621	1624	rVV2	2615772	3836227	13.60%	0.425%
46	11.837	1624	1632	1635	rVV4	4251428	13374471	47.42%	1.480%
47	11.873	1635	1638	1642	rVV	6227293	10826398	38.38%	1.198%
48	11.916	1642	1645	1650	rVB2	4609112	7690897	27.27%	0.851%
49	12.068	1661	1670	1675	rVB4	1527442	4986692	17.68%	0.552%
50	12.135	1675	1681	1688	rBV2	7222003	16830142	59.67%	1.863%
51	12.251	1696	1700	1704	rVB	4552288	7193152	25.50%	0.796%
52	12.343	1704	1715	1719	rBV5	6026465	19288600	68.39%	2.135%
53	12.647	1763	1765	1769	rVB	2151035	2593737	9.20%	0.287%
54	12.696	1769	1773	1778	rVB4	2310433	3753320	13.31%	0.415%
55	12.794	1783	1789	1795	rVB3	4139537	10061210	35.67%	1.113%
56	12.867	1795	1801	1804	rBV	6081033	10923346	38.73%	1.209%
57	12.897	1804	1806	1809	rVV	3959845	5803110	20.57%	0.642%
58	12.940	1809	1813	1819	rVB	7077837	12277613	43.53%	1.359%
59	13.080	1831	1836	1837	rBV3	1636100	2438113	8.64%	0.270%
60	13.166	1846	1850	1858	rVB4	3064180	6177231	21.90%	0.684%
61	13.251	1858	1864	1875	rVB	14438910	26034952	92.30%	2.881%
62	13.440	1892	1895	1899	rVB4	1294635	1878390	6.66%	0.208%
63	13.483	1899	1902	1905	rBV3	1226837	1418359	5.03%	0.157%
64	13.586	1915	1919	1923	rVV	4442676	6819028	24.18%	0.755%
65	13.714	1935	1940	1943	rBV	6717152	11222592	39.79%	1.242%
66	13.751	1943	1946	1949	rVV2	4174700	6736977	23.89%	0.746%
67	13.794	1949	1953	1962	rVB4	7153564	15629886	55.41%	1.730%
68	13.879	1962	1967	1972	rBV2	4237038	7823458	27.74%	0.866%
69	13.946	1974	1978	1983	rVB	2550062	3437851	12.19%	0.380%
70	14.007	1984	1988	1991	rBV	3718887	6522770	23.13%	0.722%
71	14.092	1997	2002	2010	rBV	17464034	27400240	97.14%	3.032%
72	14.202	2015	2020	2026	rVB2	7281962	13134951	46.57%	1.454%
73	14.269	2026	2031	2037	rBV4	2089149	4469139	15.84%	0.495%
74	14.336	2037	2042	2046	rBV3	2591496	4454692	15.79%	0.493%
75	14.415	2046	2055	2059	rVV	11593154	22795757	80.82%	2.523%
76	14.452	2059	2061	2064	rVV	4298620	5238566	18.57%	0.580%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031797.D
 Acq On : 10 Jul 2025 13:03
 Operator : SY/MD
 Sample : Q2480-06
 Misc : 5.51g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Title : SW846 8260

77	14.495	2064	2068	2072	rVV	6827067	9500870	33.68%	1.051%
78	14.537	2072	2075	2082	rVB3	1768157	3184982	11.29%	0.352%
79	14.598	2082	2085	2088	rBV	1312126	1681286	5.96%	0.186%
80	14.635	2088	2091	2095	rVB	2018494	2766670	9.81%	0.306%
81	14.690	2095	2100	2103	rBV3	5509900	10721310	38.01%	1.186%
82	14.726	2103	2106	2111	rVB	5811482	8365260	29.66%	0.926%
83	14.793	2111	2117	2123	rBV3	9925522	28205684	100.00%	3.121%
84	14.848	2123	2126	2132	rVB	5822709	9253787	32.81%	1.024%
85	15.056	2150	2160	2165	rBV2	10958385	25394797	90.03%	2.810%
86	15.171	2173	2179	2186	rVB3	7334070	16910299	59.95%	1.871%
87	15.318	2198	2203	2207	rBV5	2648693	5188469	18.40%	0.574%
88	15.354	2207	2209	2214	rVB2	1624136	2252452	7.99%	0.249%
89	15.409	2214	2218	2221	rBV3	598922	1044559	3.70%	0.116%
90	15.464	2221	2227	2231	rBV2	2907297	5159991	18.29%	0.571%
91	15.513	2231	2235	2239	rBV4	1368553	2467910	8.75%	0.273%
92	15.647	2249	2257	2264	rBV3	3592480	8166332	28.95%	0.904%
93	15.720	2265	2269	2273	rVV2	789404	1476722	5.24%	0.163%
94	15.812	2275	2284	2295	rVB4	1708079	6587143	23.35%	0.729%
95	15.940	2300	2305	2310	rVV2	1331436	2383447	8.45%	0.264%
96	16.013	2310	2317	2323	rVV5	1398976	3691914	13.09%	0.409%
97	16.159	2333	2341	2346	rBV4	744613	1917683	6.80%	0.212%
98	16.427	2380	2385	2390	rBV2	700159	1523854	5.40%	0.169%
99	16.476	2390	2393	2405	rVB3	549908	1109010	3.93%	0.123%
100	16.635	2410	2419	2430	rVB2	1051825	2972782	10.54%	0.329%

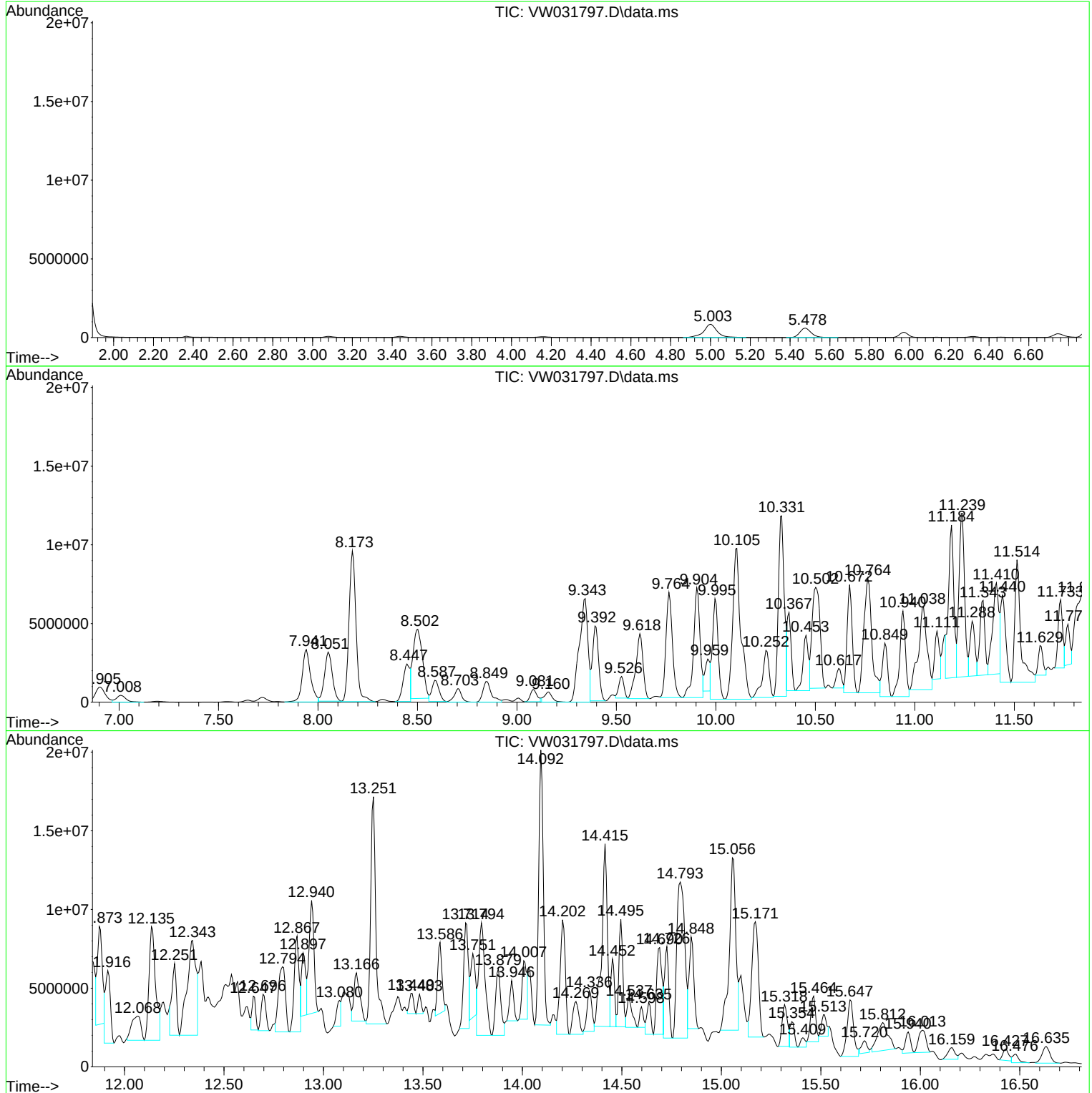
Sum of corrected areas: 903626316

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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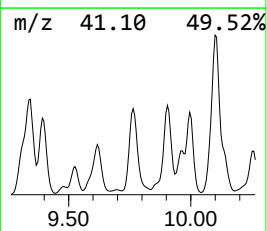
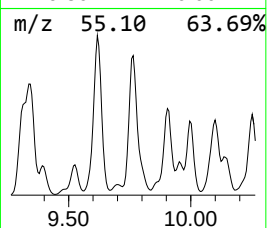
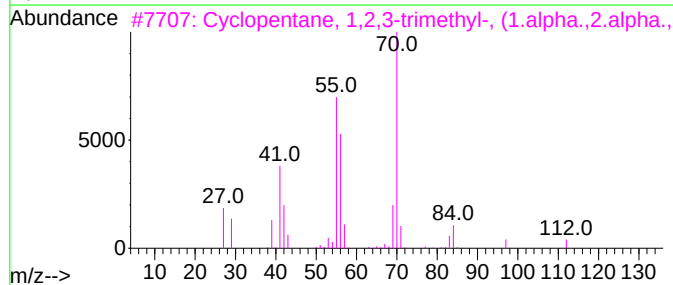
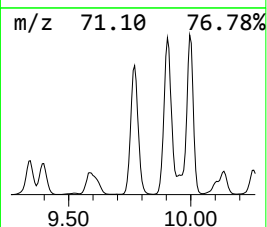
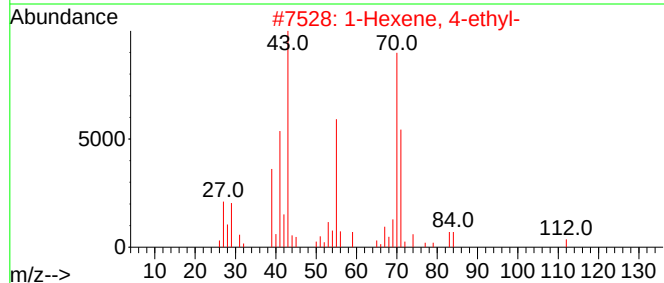
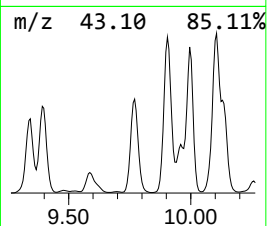
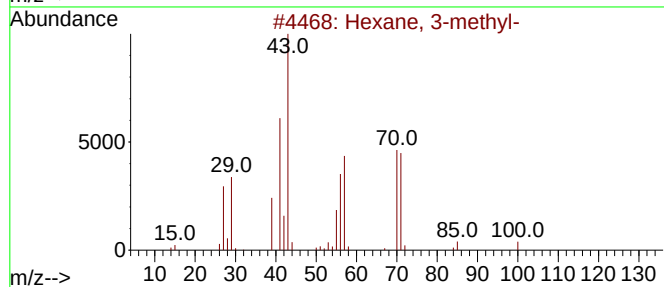
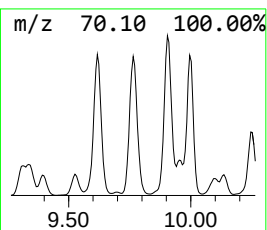
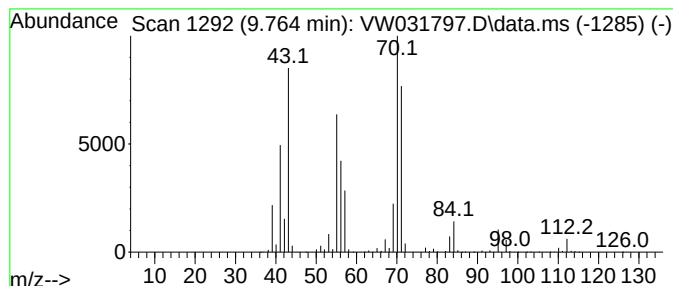
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Hexane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.764	194.88 ug/l	14937200	1,4-Difluorobenzene	8.855

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 3-methyl-	100	C7H16	000589-34-4	53
2		1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	53
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	49
4		Propanoic acid, 2-methyl-, 2-met...	172	C10H20O2	084254-82-0	43
5		2,4-Dimethyl-1-heptene	126	C9H18	019549-87-2	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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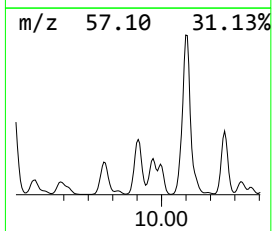
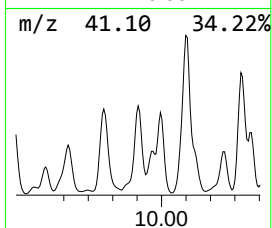
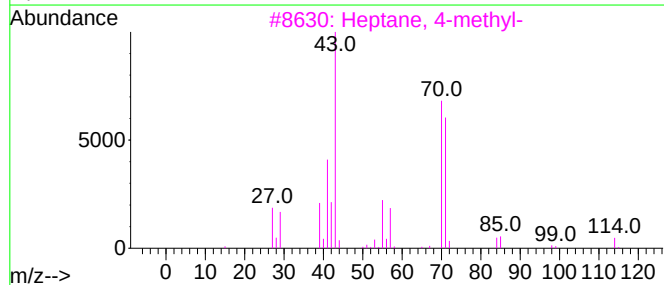
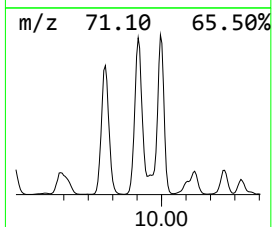
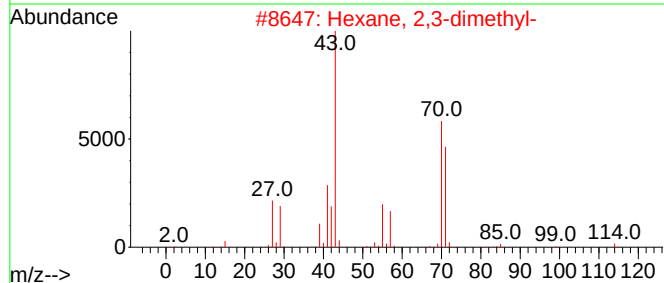
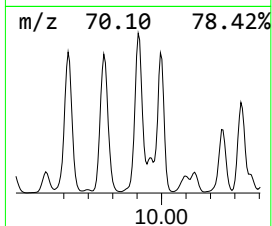
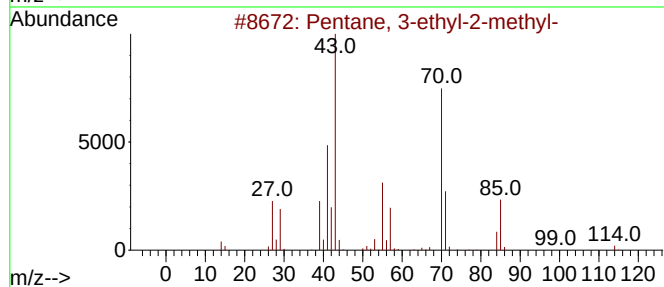
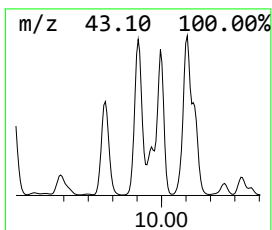
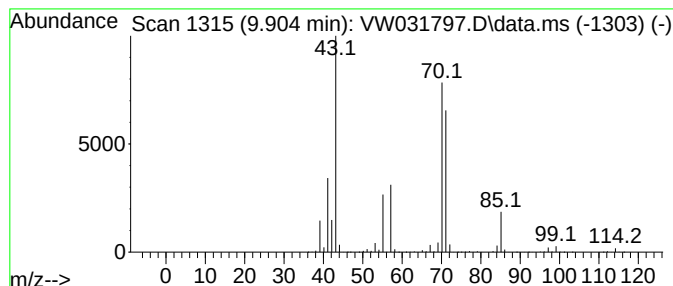
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentane, 3-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.904	206.67 ug/l	15840200	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	83
2			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	80
3			Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78
5			Pyrrolidine	71	C4H9N	000123-75-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX6

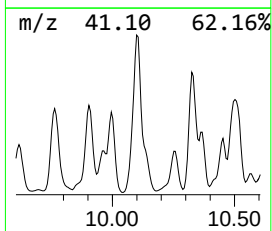
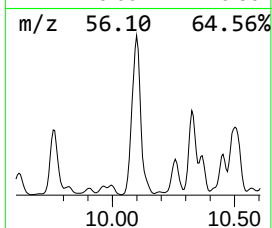
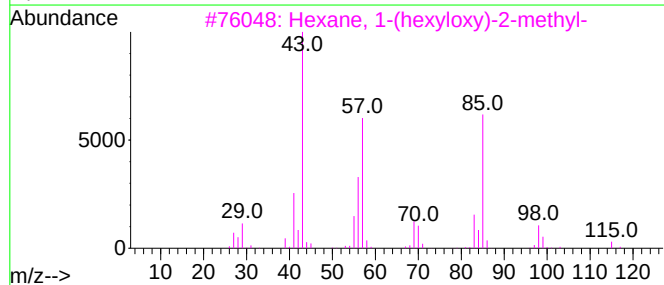
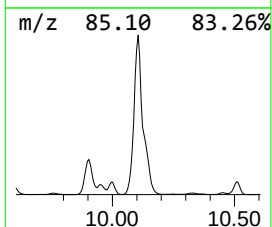
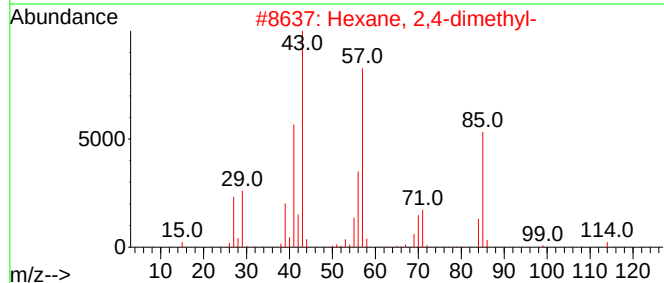
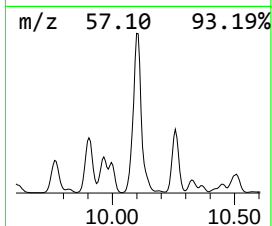
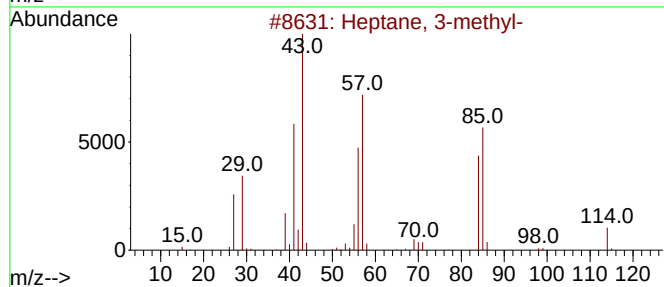
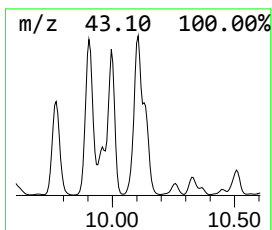
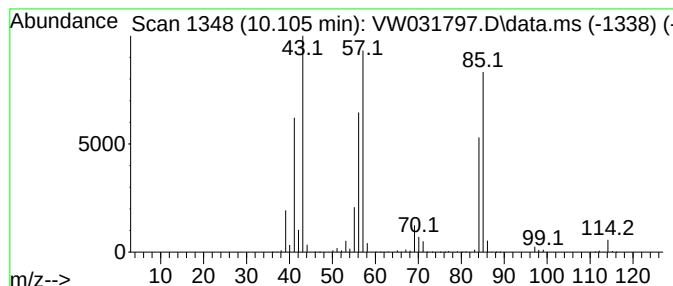
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Heptane, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.105	350.98 ug/l	26901600	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	94
2			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
3			Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	64
4			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59
5			Hexane, 3-ethyl-	114	C8H18	000619-99-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX6

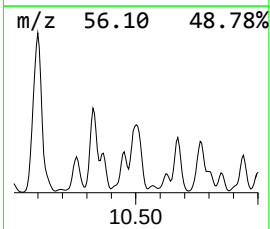
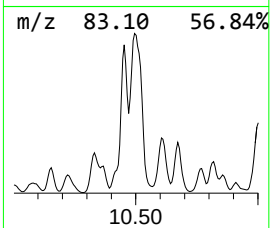
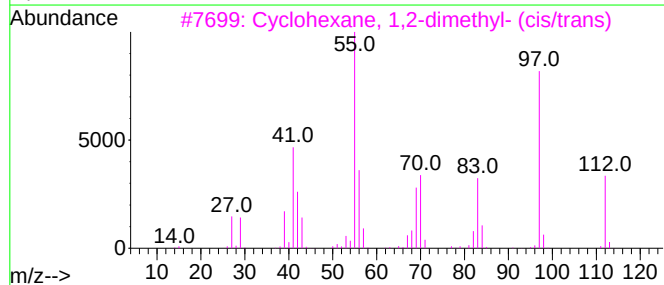
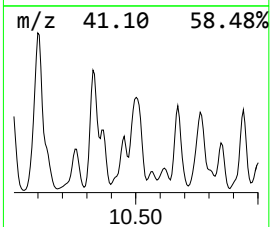
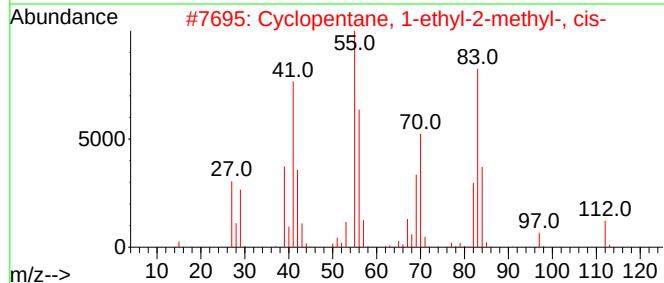
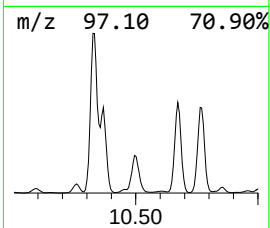
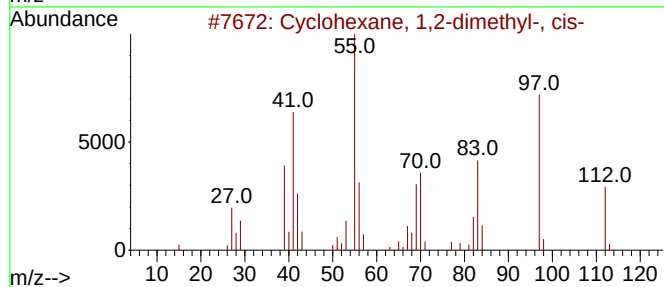
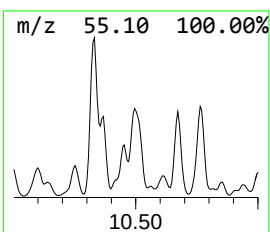
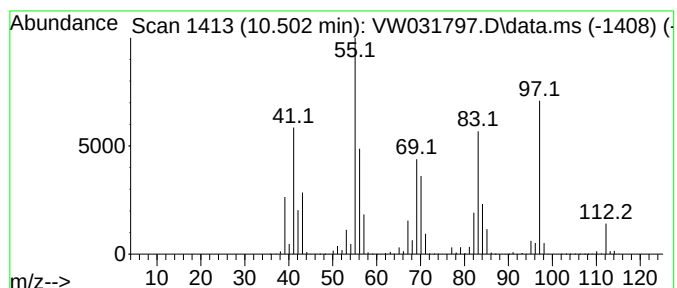
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.502	284.06 ug/l	17713300	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	81
2			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	76
3			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	64
4			Cycloheptane, methyl-	112	C8H16	004126-78-7	62
5			Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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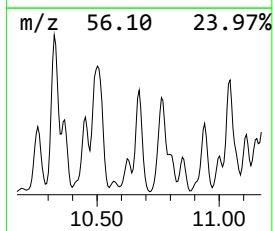
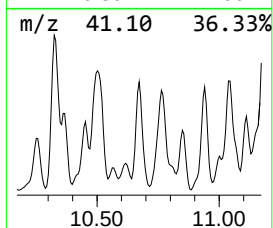
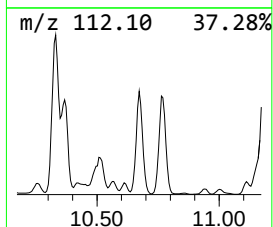
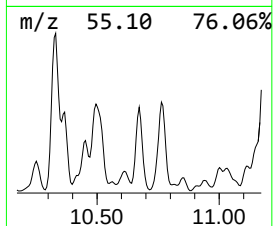
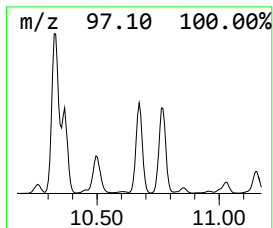
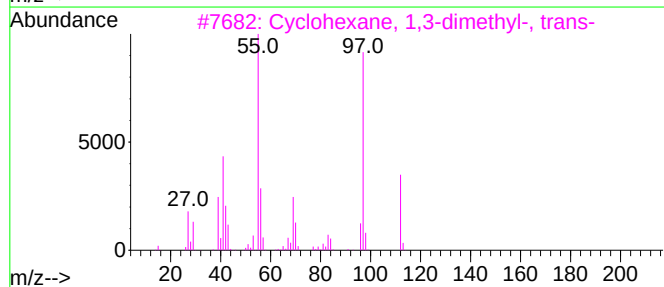
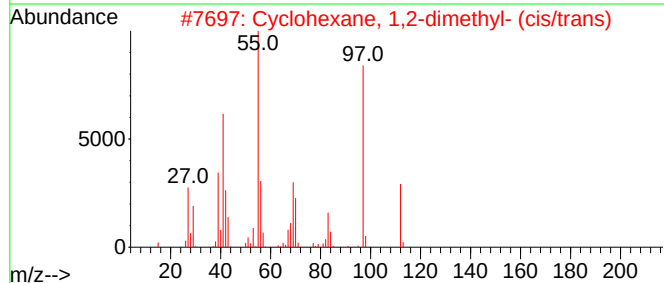
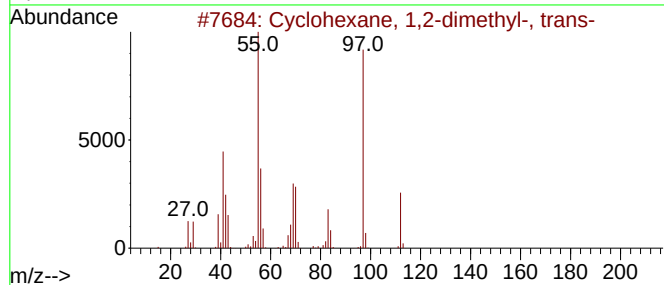
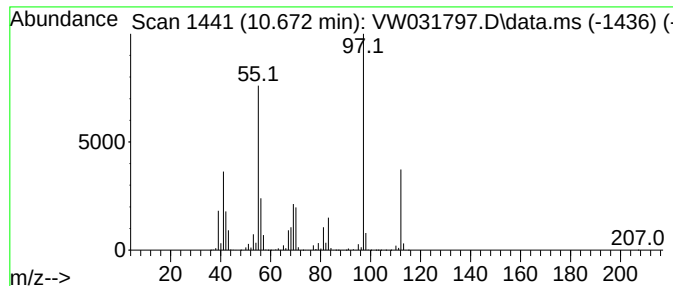
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.672	196.27 ug/l	12239000	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX6

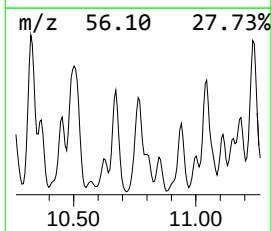
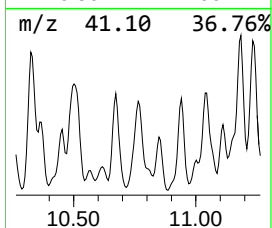
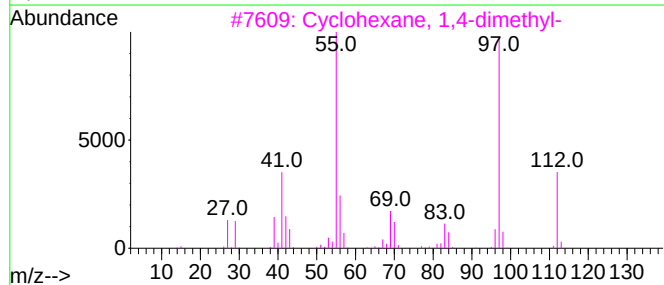
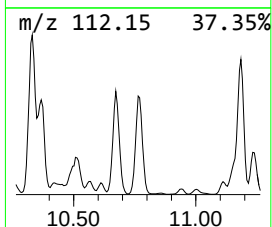
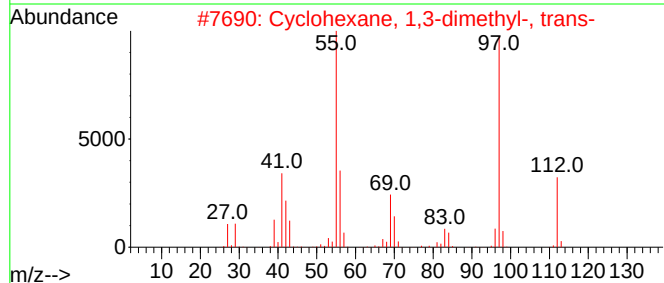
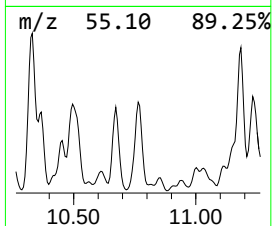
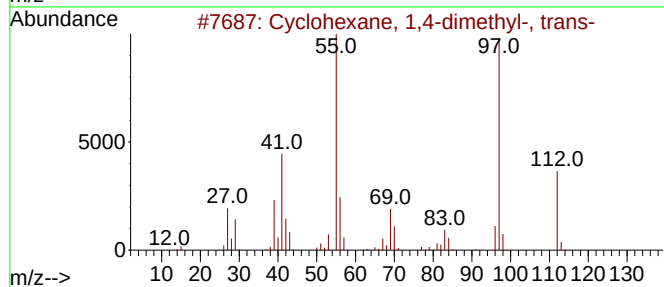
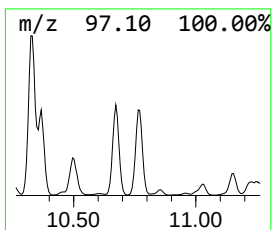
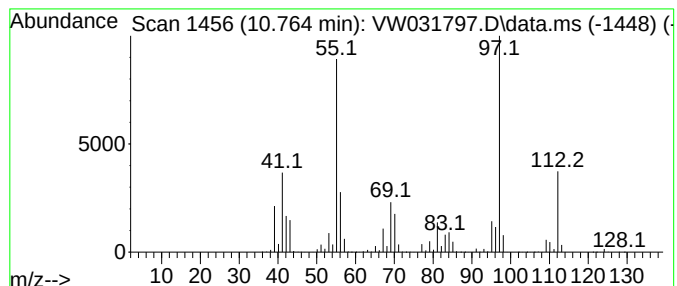
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.764	321.95 ug/l	20076100	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	86
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX6

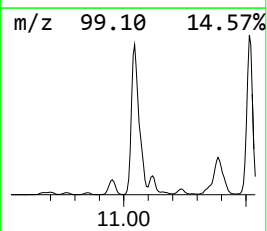
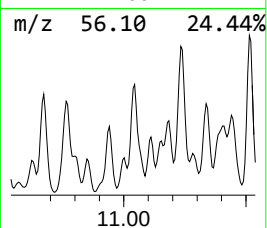
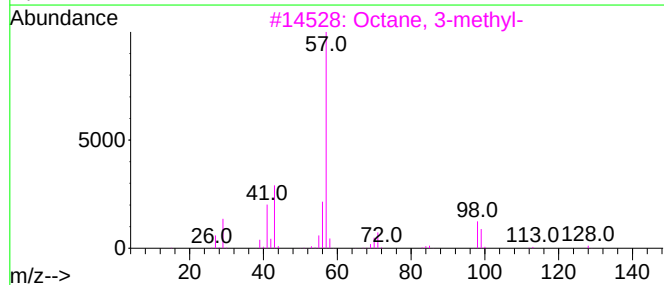
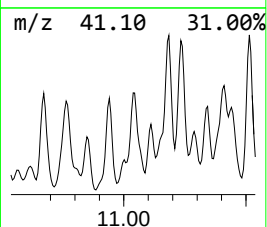
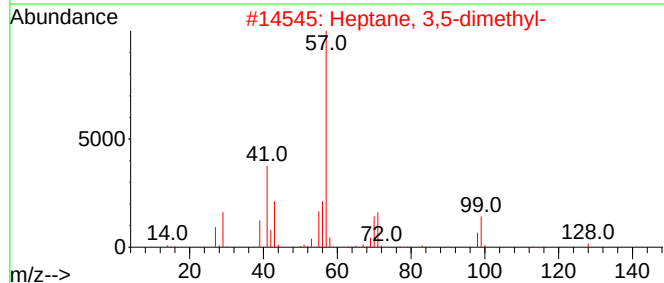
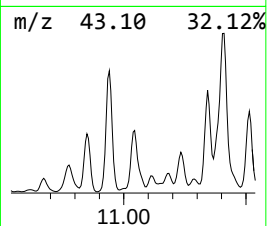
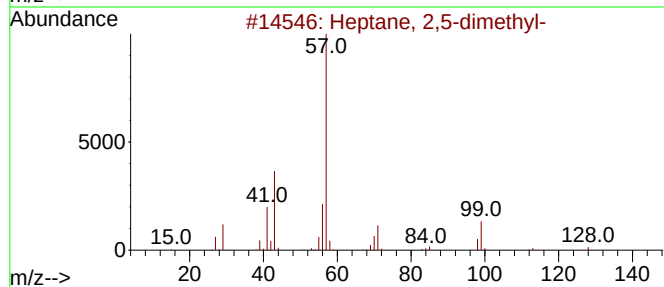
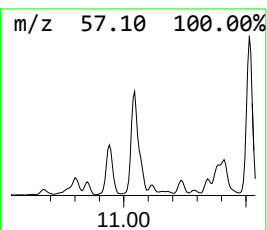
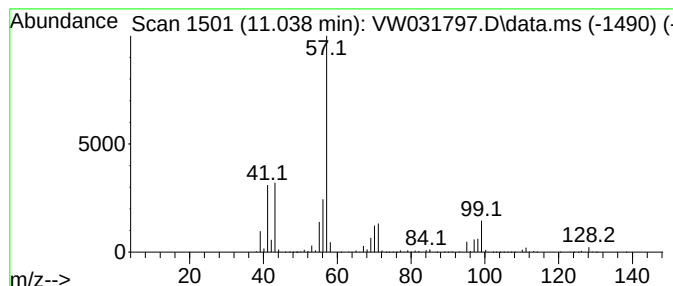
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Heptane, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.038	255.25 ug/l	15916800	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	76
3			Octane, 3-methyl-	128	C9H20	002216-33-3	64
4			1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	53
5			Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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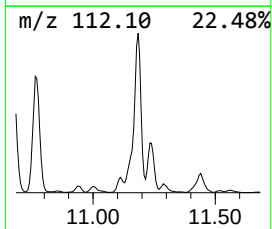
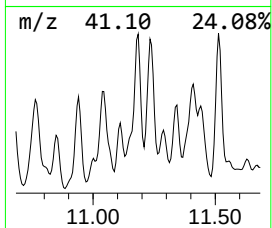
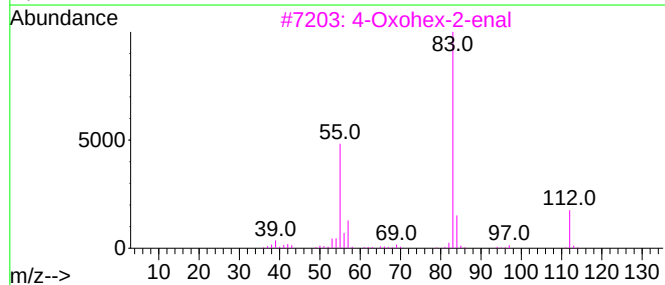
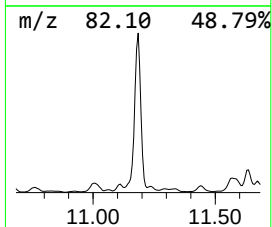
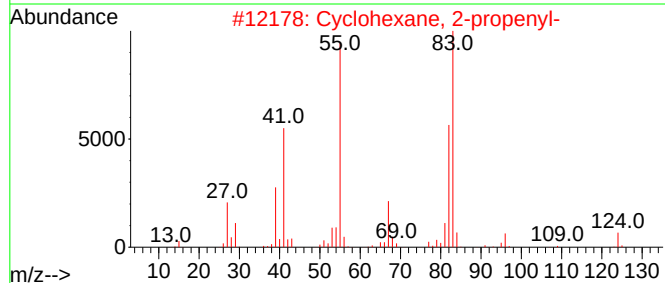
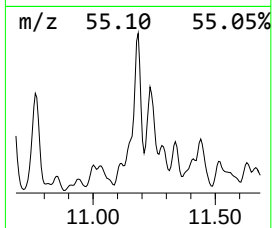
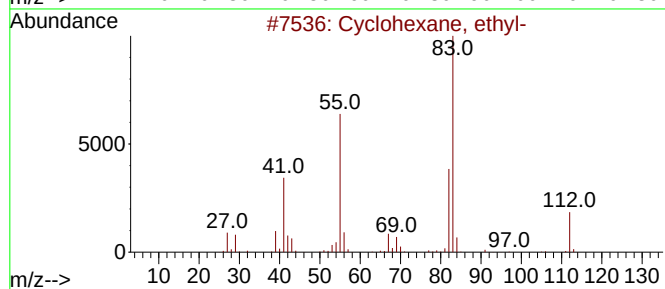
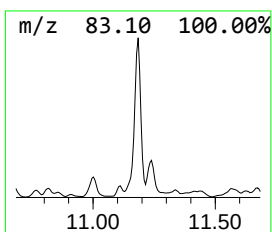
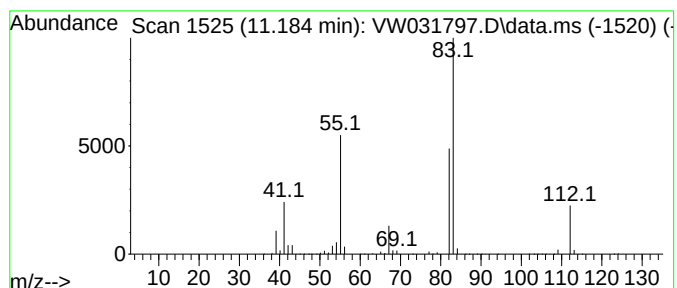
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Cyclohexane, ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.184	291.25 ug/l	18161400	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	56
3			4-Oxohex-2-enal	112	C6H8O2	020697-55-6	50
4			3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	50
5			Hexanal 2E-hexenyl 3Z-hexenyl ac...	282	C18H34O2	1000431-43-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX6

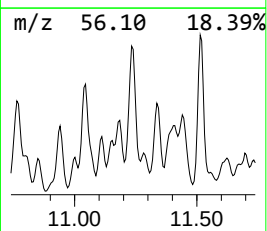
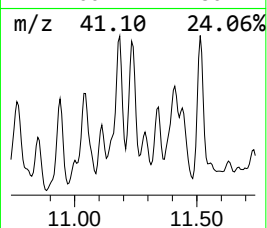
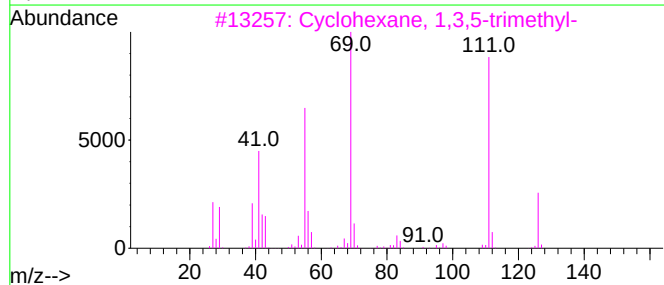
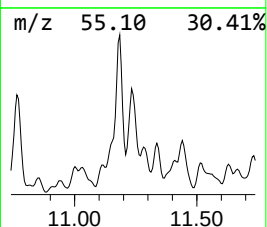
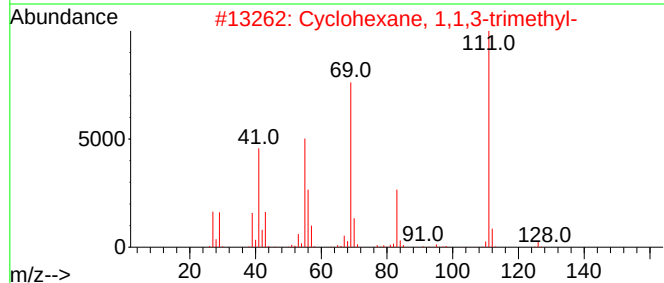
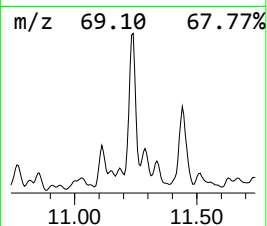
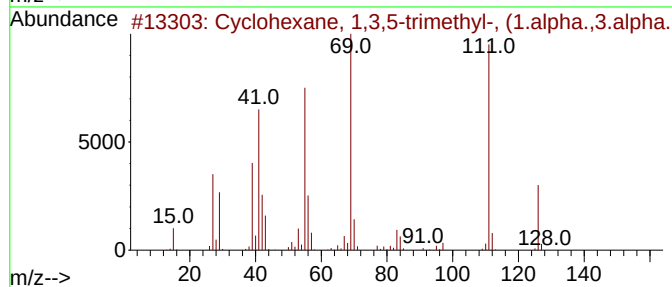
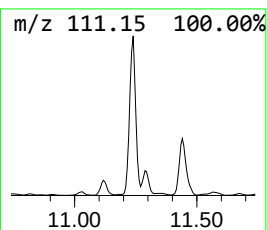
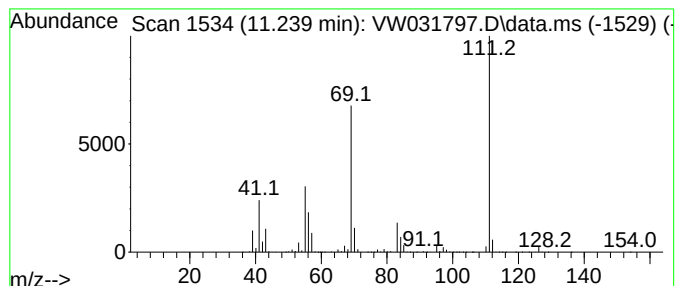
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Cyclohexane, 1,3,5-trimethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.239	325.59 ug/l	20302900	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	74
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	50
4		Benzenamine, 2-fluoro-	111	C6H6FN	000348-54-9	42
5		1-Aminocyclopropanecarboxylic ac...	156	C7H12N2O2	1000375-50-8	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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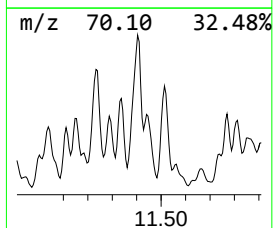
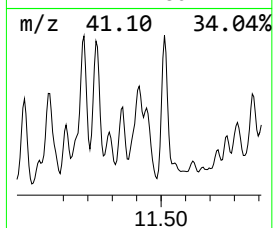
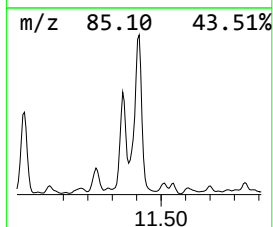
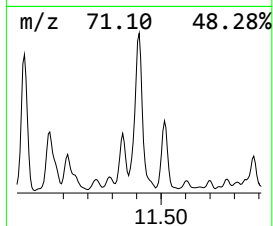
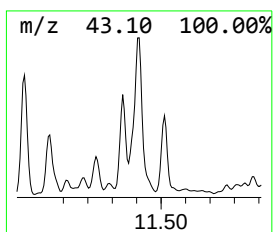
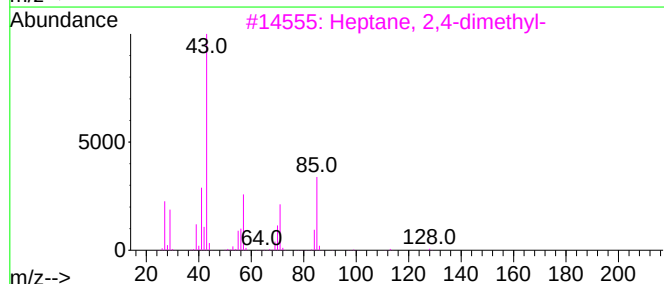
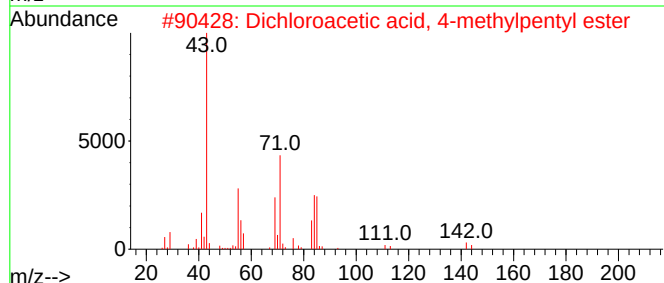
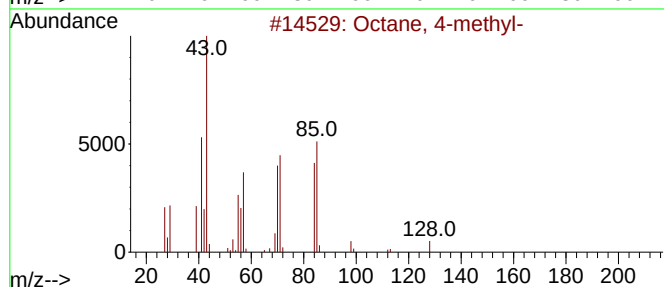
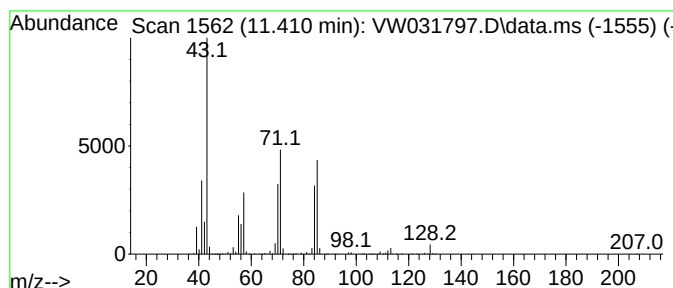
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Octane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.410	215.56 ug/l	13442000	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 4-methyl-	128	C9H20	002216-34-4	87
2			Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	53
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4			1-Pentanol, 2-ethyl-	116	C7H16O	027522-11-8	50
5			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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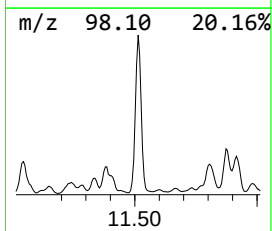
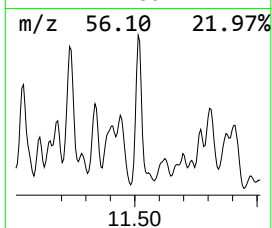
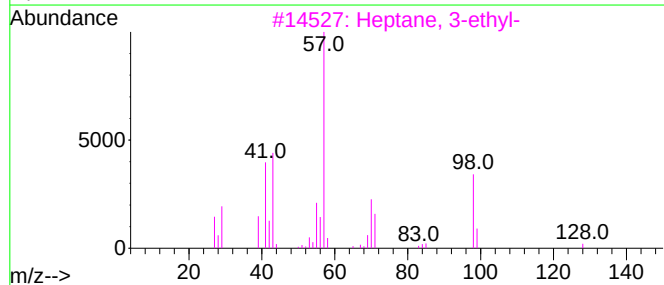
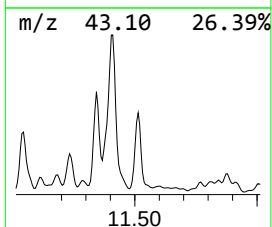
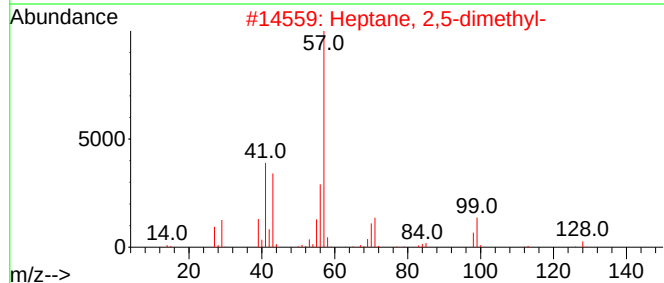
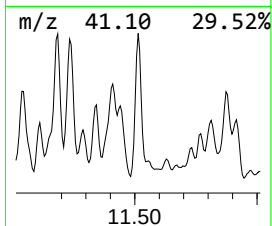
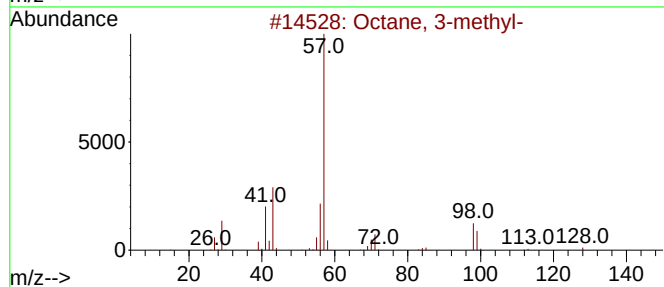
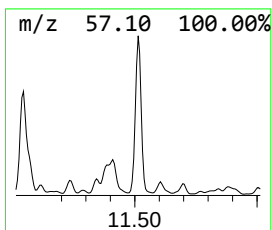
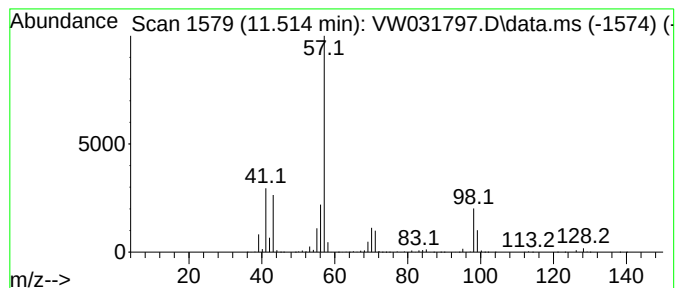
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Octane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.514	260.52 ug/l	16245700	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	72
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70
3		Heptane, 3-ethyl-	128	C9H20	015869-80-4	52
4		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50
5		Undecane, 6-methyl-	170	C12H26	017302-33-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

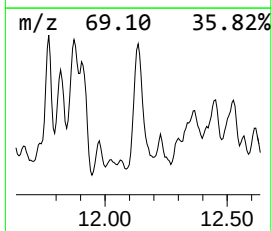
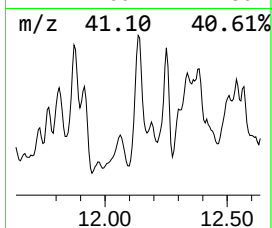
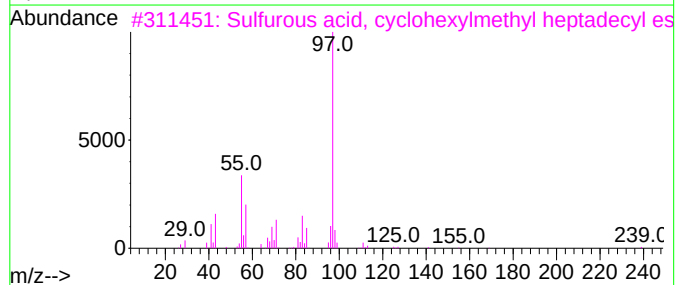
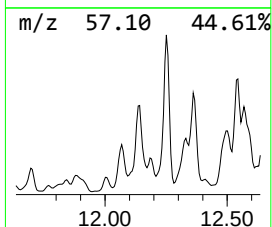
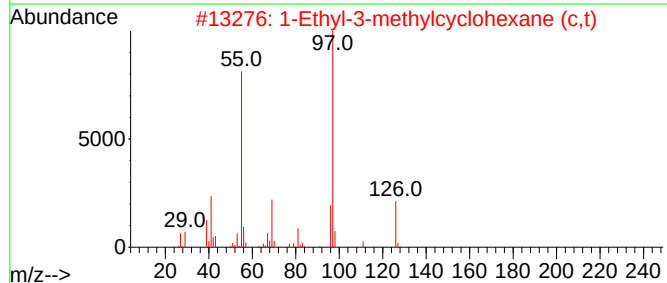
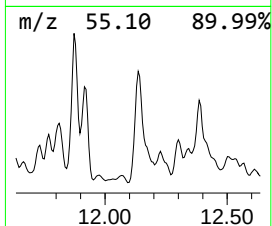
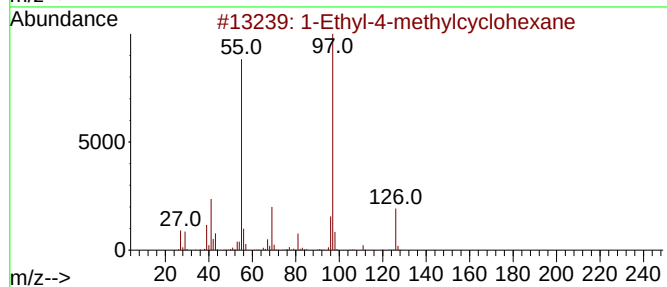
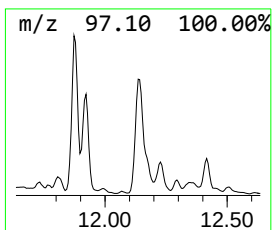
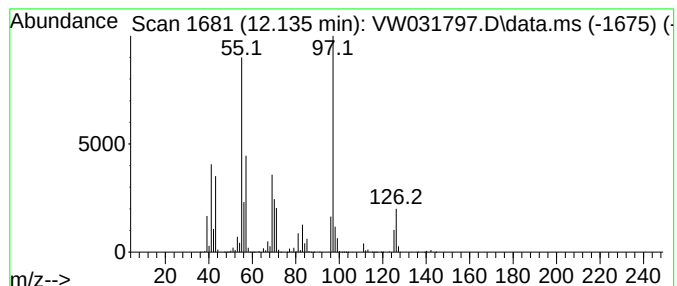
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ClientSampleId :
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 1-Ethyl-4-methylcyclohexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.135	269.90 ug/l	16830100	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	70
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	70
3	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	59
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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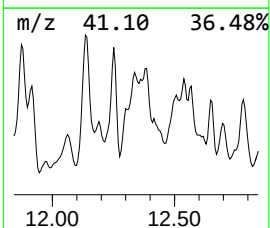
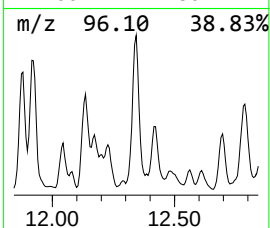
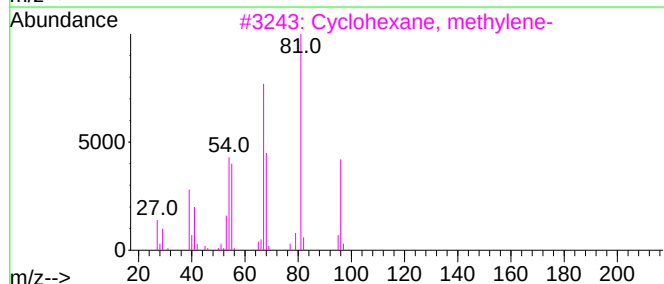
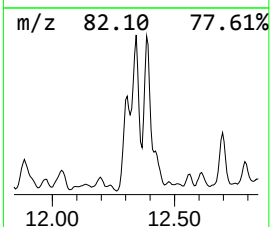
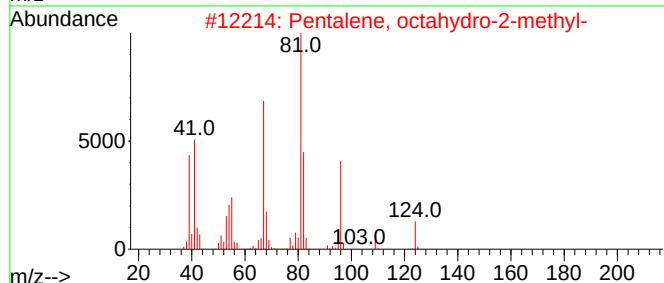
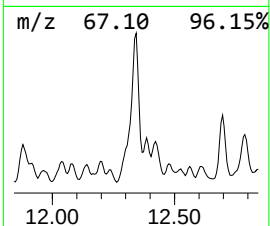
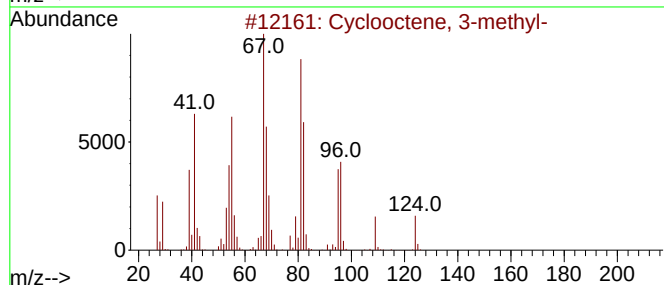
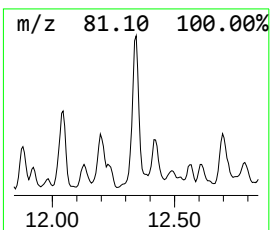
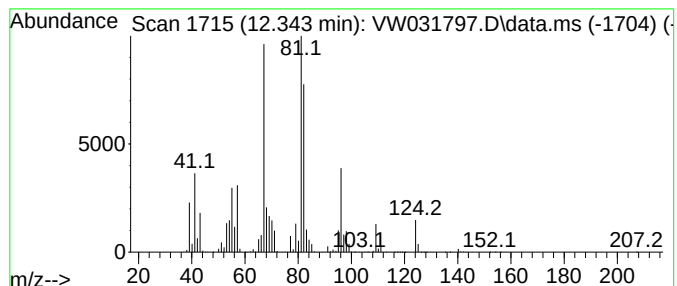
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Cyclooctene, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.343	309.32 ug/l	19288600	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	68
2			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	58
3			Cyclohexane, methylene-	96	C7H12	001192-37-6	49
4			Cyclopentene, 3-methyl-1-(1-meth...	124	C9H16	051115-02-7	49
5			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX6

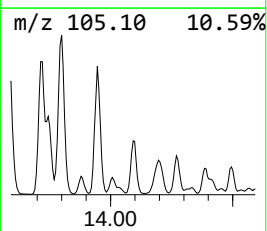
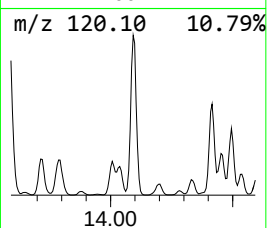
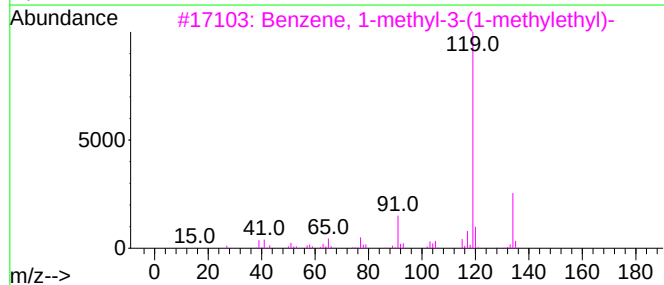
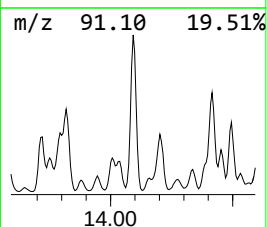
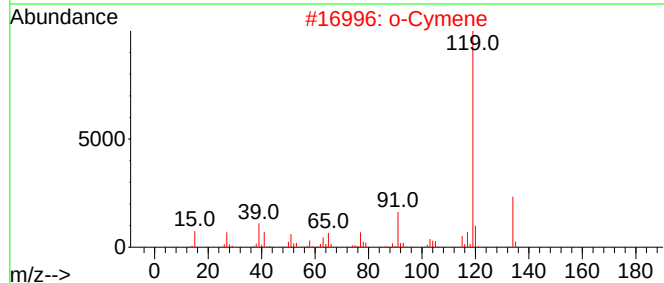
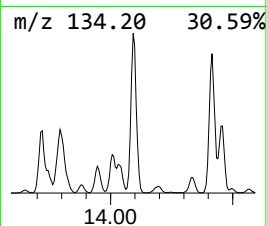
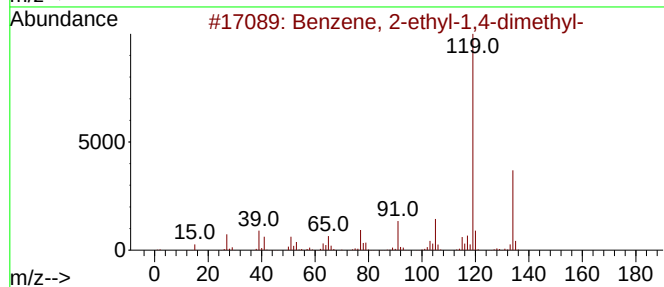
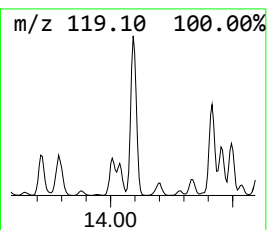
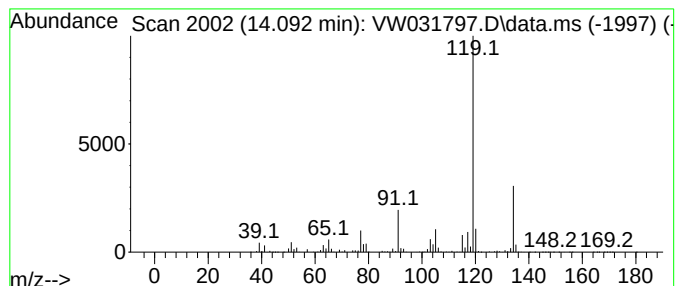
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	200.91 ug/l	27400200	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			o-Cymene	134	C10H14	000527-84-4	95
3			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

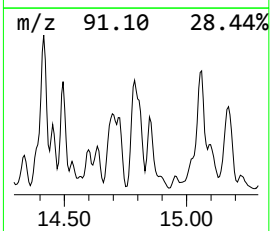
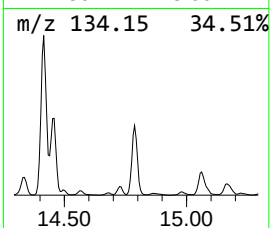
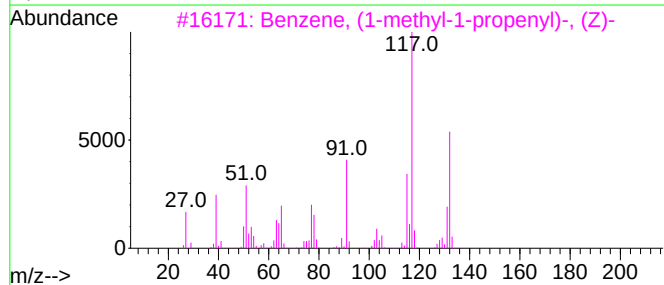
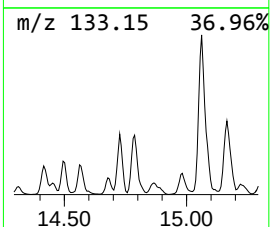
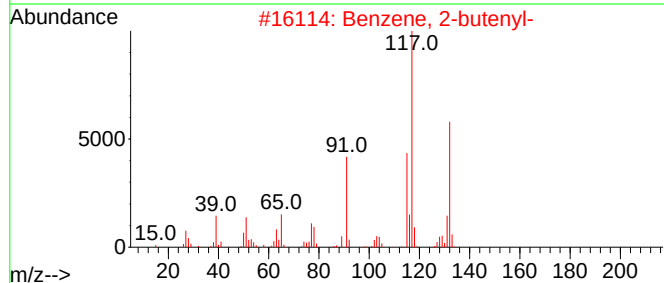
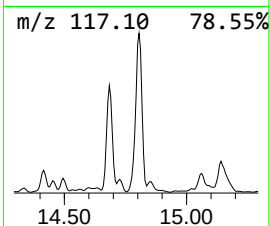
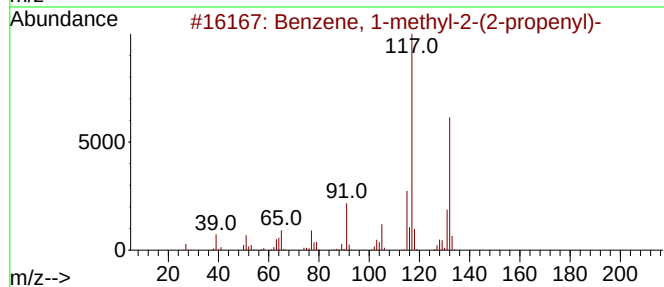
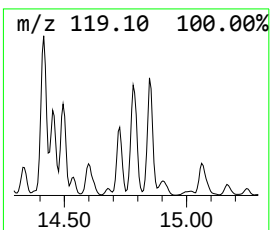
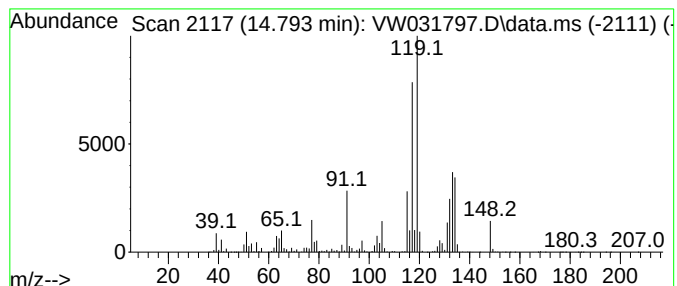
Instrument :
MSVOA_W
ClientSampleId :
GPX6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzene, 1-methyl-2-(2-prop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.793	206.82 ug/l	28205700	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-		132	C10H12	001587-04-8	87
2	Benzene, 2-butenyl-		132	C10H12	001560-06-1	86
3	Benzene, (1-methyl-1-propenyl)-,...		132	C10H12	000767-99-7	64
4	3-Phenylbut-1-ene		132	C10H12	000934-10-1	50
5	1H-Indene, 2,3-dihydro-4-methyl-		132	C10H12	000824-22-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031797.D
Acq On : 10 Jul 2025 13:03
Operator : SY/MD
Sample : Q2480-06
Misc : 5.51g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Hexane, 3-methyl-	9.764	194.9	ug/l	14937200	2	8.855	3832310	50.0
Pentane, 3-ethy...	9.904	206.7	ug/l	15840200	2	8.855	3832310	50.0
Heptane, 3-methyl-	10.105	351.0	ug/l	26901600	2	8.855	3832310	50.0
Cyclohexane, 1,...	10.502	284.1	ug/l	17713300	3	11.629	3117880	50.0
Cyclohexane, 1,...	10.672	196.3	ug/l	12239000	3	11.629	3117880	50.0
Cyclohexane, 1,...	10.764	321.9	ug/l	20076100	3	11.629	3117880	50.0
Heptane, 2,5-di...	11.038	255.3	ug/l	15916800	3	11.629	3117880	50.0
Cyclohexane, et...	11.184	291.3	ug/l	18161400	3	11.629	3117880	50.0
Cyclohexane, 1,...	11.239	325.6	ug/l	20302900	3	11.629	3117880	50.0
Octane, 4-methyl-	11.410	215.6	ug/l	13442000	3	11.629	3117880	50.0
Octane, 3-methyl-	11.514	260.5	ug/l	16245700	3	11.629	3117880	50.0
1-Ethyl-4-methy...	12.135	269.9	ug/l	16830100	3	11.629	3117880	50.0
Cyclooctene, 3-...	12.343	309.3	ug/l	19288600	3	11.629	3117880	50.0
Benzene, 2-ethy...	14.092	200.9	ug/l	27400200	4	13.556	6819030	50.0
Benzene, 1-meth...	14.793	206.8	ug/l	28205700	4	13.556	6819030	50.0

Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX6ME		SDG No.:	Q2480	
Lab Sample ID:	Q2480-06ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	86.9	
Sample Wt/Vol:	6.16	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046956.D	10	07/10/25 19:20	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	530	UD	530	2300	ug/Kg
74-87-3	Chloromethane	530	UD	530	2300	ug/Kg
75-01-4	Vinyl Chloride	370	UD	370	2300	ug/Kg
74-83-9	Bromomethane	500	UDQ	500	2300	ug/Kg
75-00-3	Chloroethane	590	UD	590	2300	ug/Kg
75-69-4	Trichlorofluoromethane	570	UD	570	2300	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	500	UD	500	2300	ug/Kg
75-35-4	1,1-Dichloroethene	470	UD	470	2300	ug/Kg
67-64-1	Acetone	2200	UD	2200	11700	ug/Kg
75-15-0	Carbon Disulfide	500	UD	500	2300	ug/Kg
1634-04-4	Methyl tert-butyl Ether	340	UD	340	2300	ug/Kg
79-20-9	Methyl Acetate	720	UD	720	2300	ug/Kg
75-09-2	Methylene Chloride	1600	UD	1600	4700	ug/Kg
156-60-5	trans-1,2-Dichloroethene	400	UD	400	2300	ug/Kg
75-34-3	1,1-Dichloroethane	370	UD	370	2300	ug/Kg
110-82-7	Cyclohexane	370	UD	370	2300	ug/Kg
78-93-3	2-Butanone	3100	UD	3100	11700	ug/Kg
56-23-5	Carbon Tetrachloride	450	UD	450	2300	ug/Kg
156-59-2	cis-1,2-Dichloroethene	350	UD	350	2300	ug/Kg
74-97-5	Bromochloromethane	540	UD	540	2300	ug/Kg
67-66-3	Chloroform	390	UD	390	2300	ug/Kg
71-55-6	1,1,1-Trichloroethane	430	UD	430	2300	ug/Kg
108-87-2	Methylcyclohexane	2000	JD	420	2300	ug/Kg
71-43-2	Benzene	370	UD	370	2300	ug/Kg
107-06-2	1,2-Dichloroethane	370	UD	370	2300	ug/Kg
79-01-6	Trichloroethene	380	UD	380	2300	ug/Kg
78-87-5	1,2-Dichloropropane	420	UD	420	2300	ug/Kg
75-27-4	Bromodichloromethane	360	UD	360	2300	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1700	UD	1700	11700	ug/Kg
108-88-3	Toluene	360	UD	360	2300	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX6ME		SDG No.:	Q2480	
Lab Sample ID:	Q2480-06ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	86.9	
Sample Wt/Vol:	6.16	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046956.D	10	07/10/25 19:20	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	300	UD	300	2300	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	290	UD	290	2300	ug/Kg
79-00-5	1,1,2-Trichloroethane	430	UD	430	2300	ug/Kg
591-78-6	2-Hexanone	1700	UD	1700	11700	ug/Kg
124-48-1	Dibromochloromethane	410	UD	410	2300	ug/Kg
106-93-4	1,2-Dibromoethane	410	UD	410	2300	ug/Kg
127-18-4	Tetrachloroethene	490	UD	490	2300	ug/Kg
108-90-7	Chlorobenzene	420	UD	420	2300	ug/Kg
100-41-4	Ethyl Benzene	690	JD	310	2300	ug/Kg
179601-23-1	m/p-Xylenes	580	UD	580	4700	ug/Kg
95-47-6	o-Xylene	380	UD	380	2300	ug/Kg
100-42-5	Styrene	330	UD	330	2300	ug/Kg
75-25-2	Bromoform	400	UD	400	2300	ug/Kg
98-82-8	Isopropylbenzene	360	UD	360	2300	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	570	UD	570	2300	ug/Kg
541-73-1	1,3-Dichlorobenzene	800	UD	800	2300	ug/Kg
106-46-7	1,4-Dichlorobenzene	730	UD	730	2300	ug/Kg
95-50-1	1,2-Dichlorobenzene	680	UD	680	2300	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	860	UD	860	2300	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400	UD	1400	2300	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1500	UD	1500	2300	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		70 - 134	95%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	353000	5.562			
540-36-3	1,4-Difluorobenzene	617000	6.763			
3114-55-4	Chlorobenzene-d5	564000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	282000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX6ME	SDG No.:	Q2480
Lab Sample ID:	Q2480-06ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	6.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046956.D	10	07/10/25 19:20	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046956.D
 Acq On : 10 Jul 2025 19:20
 Operator : JC/MD
 Sample : Q2480-06ME 10X
 Misc : 6.16g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GPX6ME

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/11/2025
 Supervised By : Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:38:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	352552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	617302	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	563552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	282479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	237906	51.080	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.160%			
35) Dibromofluoromethane	5.397	113	198418	47.352	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.700%			
50) Toluene-d8	8.647	98	739021	49.987	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.980%			
62) 4-Bromofluorobenzene	11.079	95	289792	51.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.160%			
Target Compounds						Qvalue
39) Methylcyclohexane	7.385	83	30073	4.252	ug/l	91
67) Ethyl Benzene	10.195	91	31018	1.487	ug/l	97
68) m/p-Xylenes	10.305	106	8349	1.062	ug/l	91
78) n-propylbenzene	11.305	91	42293	1.766	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	21020	1.303	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	77750	4.767	ug/l	100
89) n-Butylbenzene	12.329	91	23853m	1.443	ug/l	
95) Naphthalene	13.774	128	27891	1.738	ug/l #	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

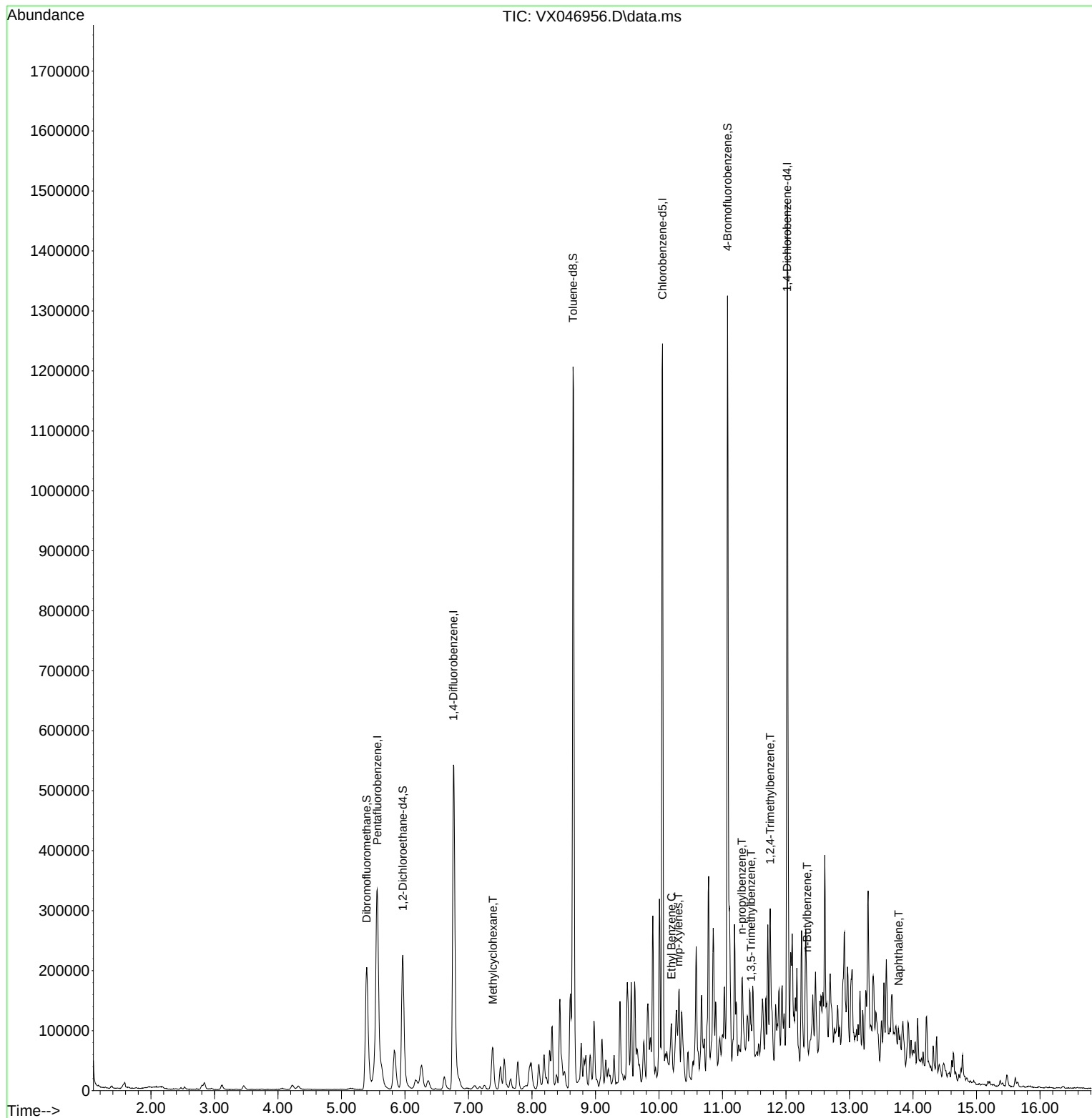
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Acq On : 10 Jul 2025 19:20
Operator : JC/MD
Sample : Q2480-06ME 10X
Misc : 6.16g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 25 Sample Multiplier: 1

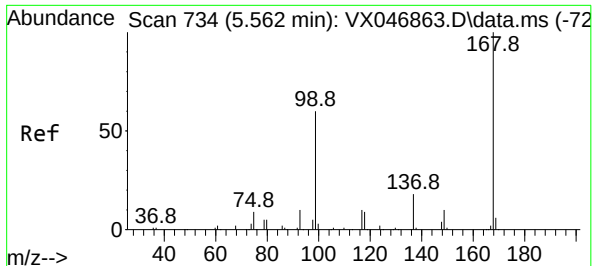
Instrument :
MSVOA_X
ClientSampleId :
GPX6ME

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/11/2025
Supervised By : Mahesh Dadoda 07/14/2025

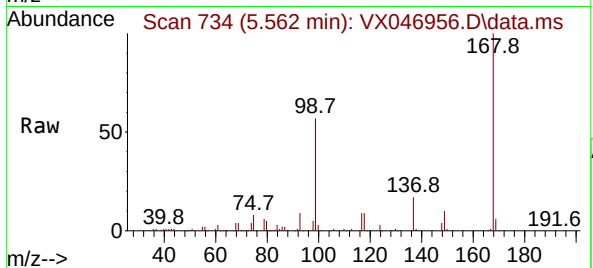
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Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046956.D
Acq: 10 Jul 2025 19:20

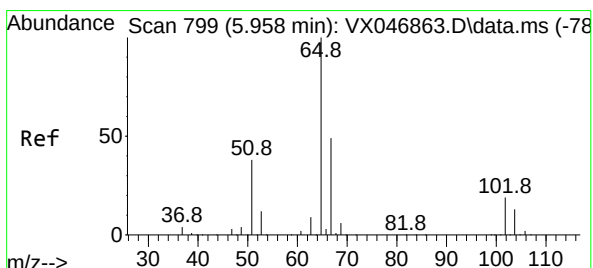
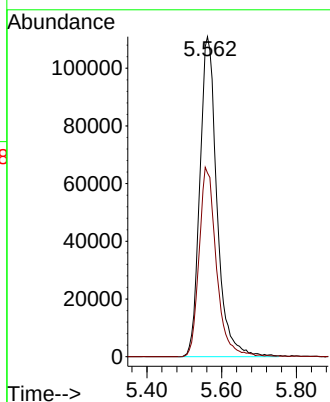
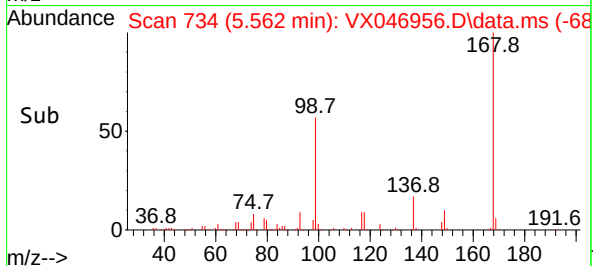
Instrument :
MSVOA_X
ClientSampleId :
GPX6ME



Tgt Ion:168 Resp: 35255
Ion Ratio Lower Upper
168 100
99 57.4 48.8 73.2

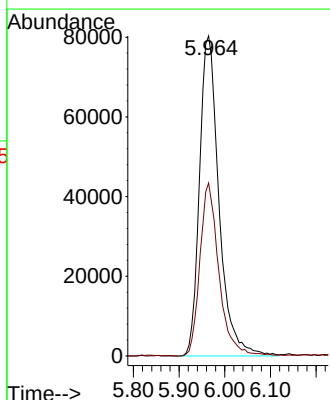
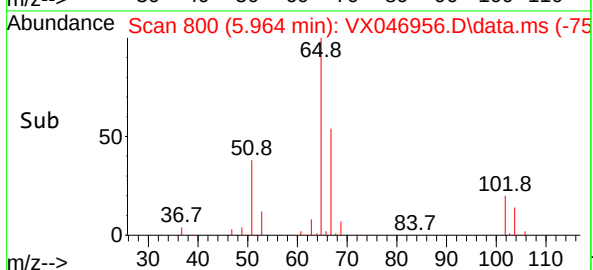
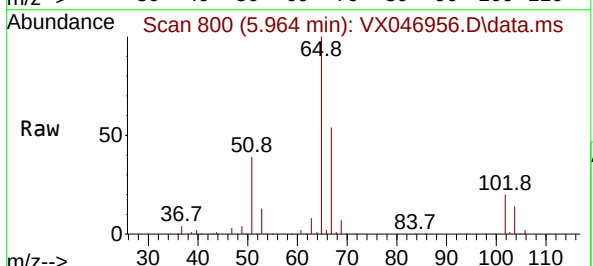
Manual Integrations
APPROVED

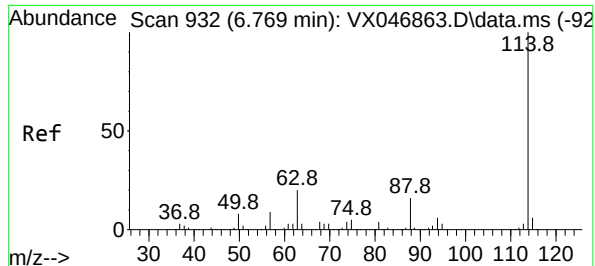
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#33
1,2-Dichloroethane-d4
Concen: 51.080 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046956.D
Acq: 10 Jul 2025 19:20

Tgt Ion: 65 Resp: 237906
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX046956.D

Acq: 10 Jul 2025 19:20

Instrument :

MSVOA_X

ClientSampleId :

GPX6ME

Tgt Ion:114 Resp: 61730

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.4

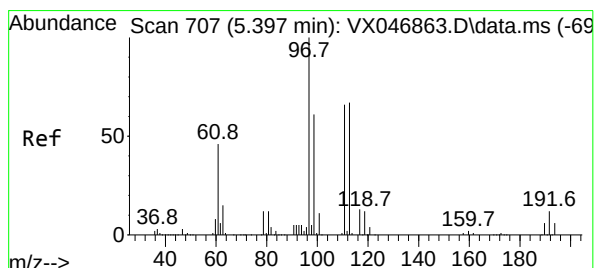
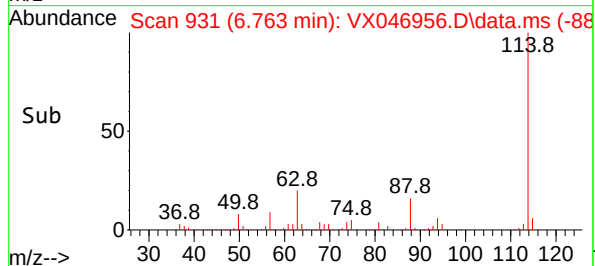
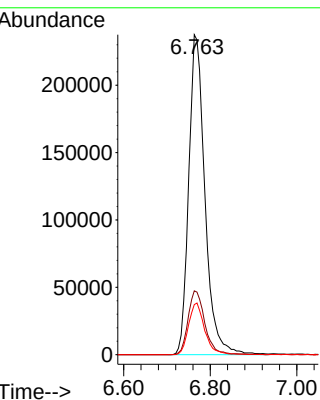
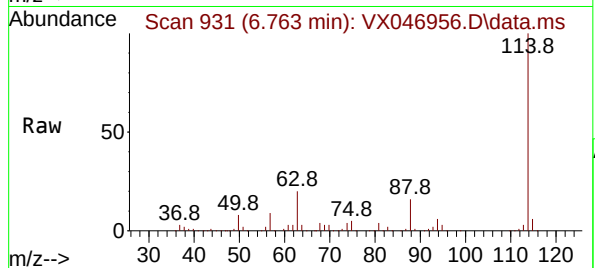
88 15.6 0.0 31.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#35

Dibromofluoromethane

Concen: 47.352 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX046956.D

Acq: 10 Jul 2025 19:20

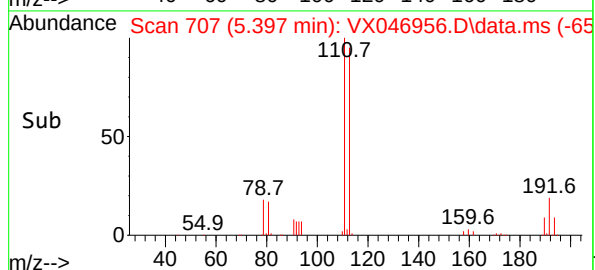
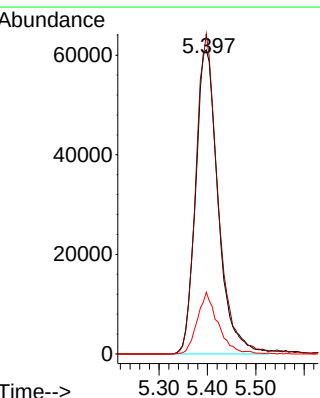
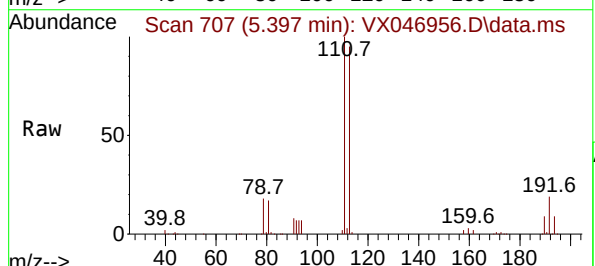
Tgt Ion:113 Resp: 198418

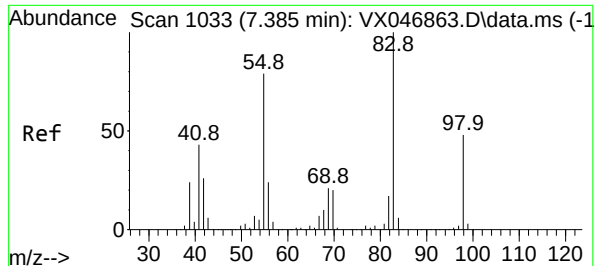
Ion Ratio Lower Upper

113 100

111 102.5 81.2 121.8

192 18.7 15.3 22.9





#39

Methylcyclohexane

Concen: 4.252 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX046956.D

Acq: 10 Jul 2025 19:20

Instrument :

MSVOA_X

ClientSampleId :

GPX6ME

Tgt Ion: 83 Resp: 3007

Ion Ratio Lower Upper

83 100

55 83.9 63.0 94.4

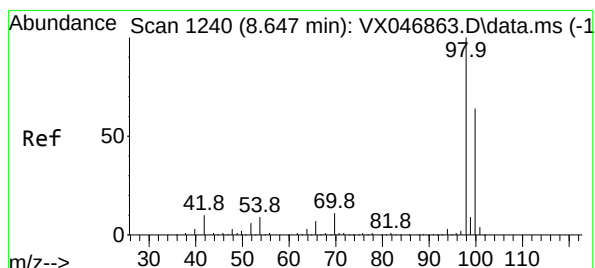
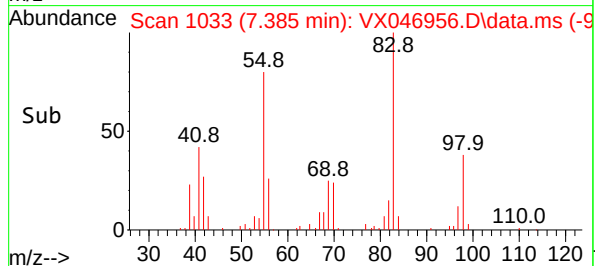
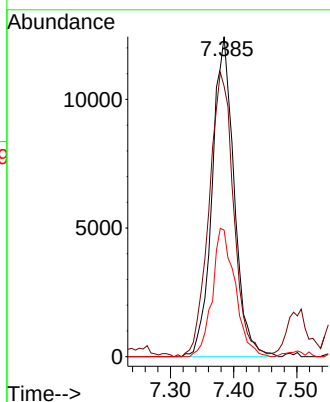
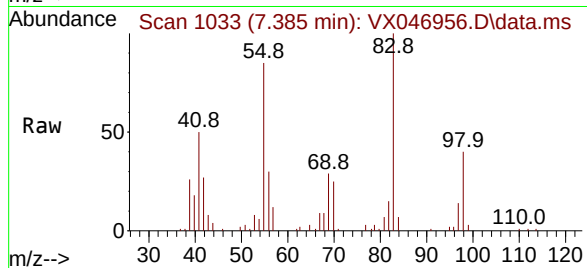
98 39.5 38.5 57.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#50

Toluene-d8

Concen: 49.987 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046956.D

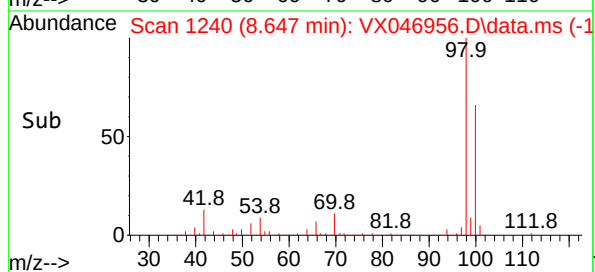
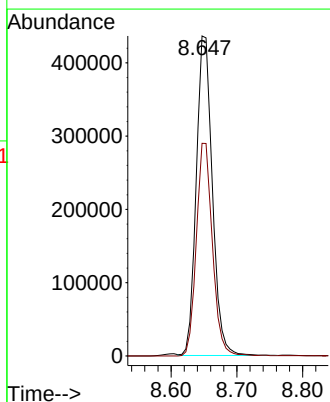
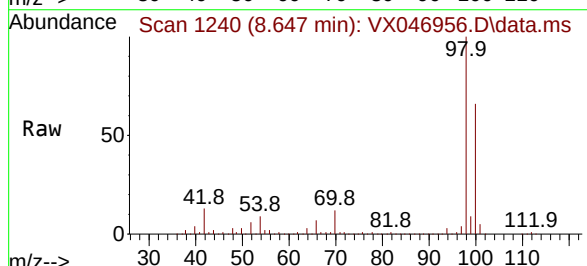
Acq: 10 Jul 2025 19:20

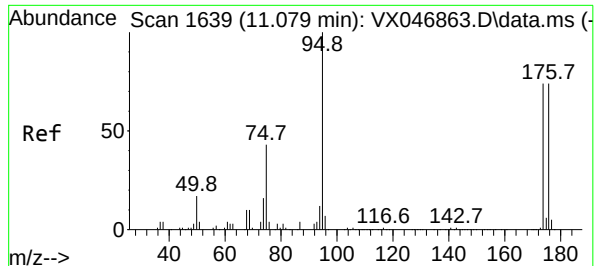
Tgt Ion: 98 Resp: 739021

Ion Ratio Lower Upper

98 100

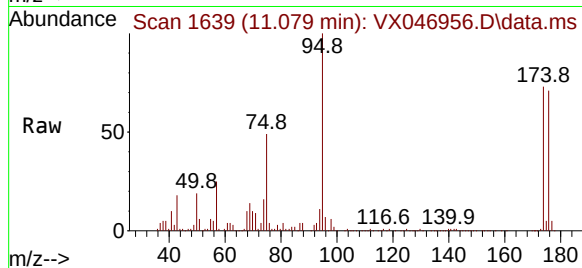
100 66.6 53.0 79.6





#62
4-Bromofluorobenzene
Concen: 51.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046956.D
Acq: 10 Jul 2025 19:20

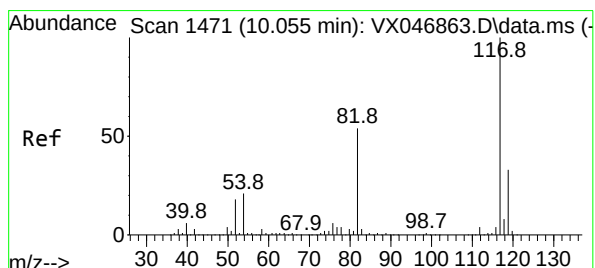
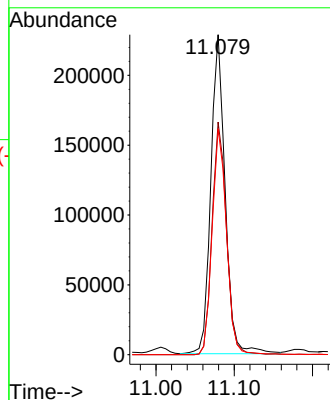
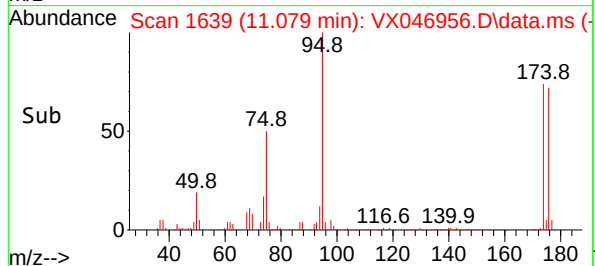
Instrument :
MSVOA_X
ClientSampleId :
GPX6ME



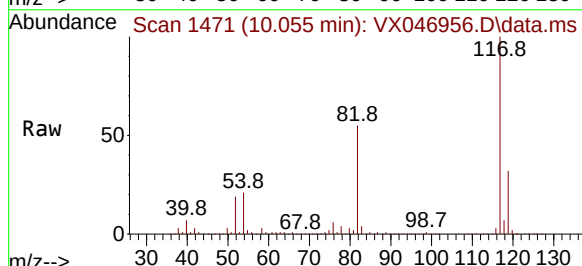
Tgt Ion: 95 Resp: 289792
Ion Ratio Lower Upper
95 100
174 73.0 0.0 152.0
176 71.1 0.0 145.2

Manual Integrations
APPROVED

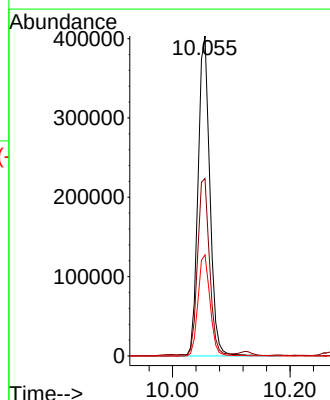
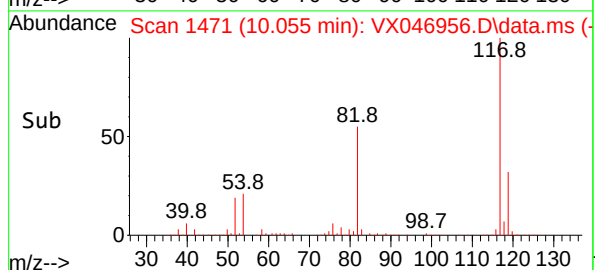
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

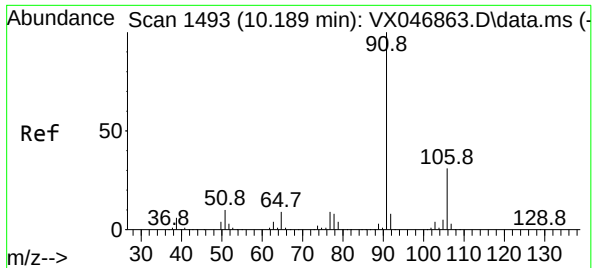


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046956.D
Acq: 10 Jul 2025 19:20



Tgt Ion:117 Resp: 563552
Ion Ratio Lower Upper
117 100
82 55.1 43.3 64.9
119 31.6 26.4 39.6





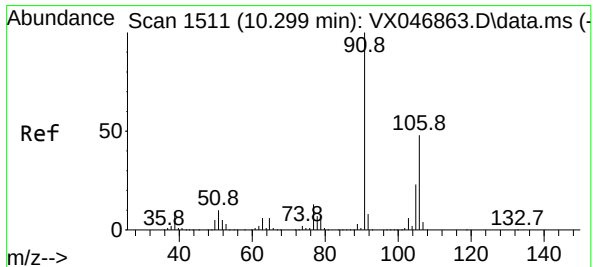
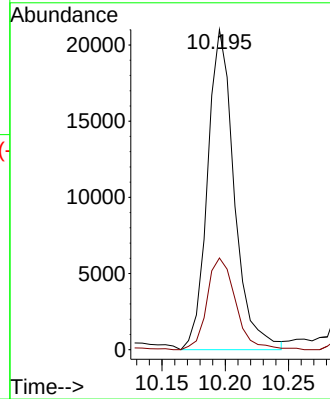
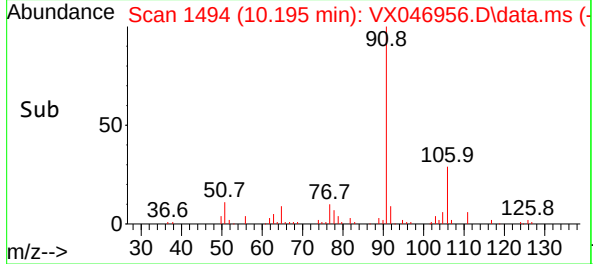
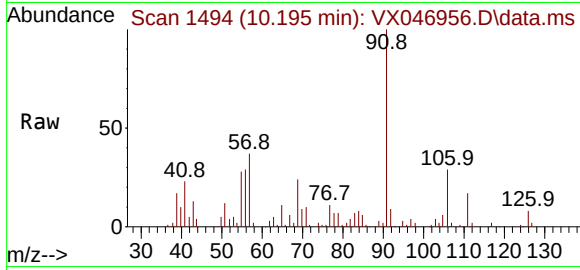
#67
Ethyl Benzene
Concen: 1.487 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046956.D
Acq: 10 Jul 2025 19:20

Instrument :
MSVOA_X
ClientSampleId :
GPX6ME

Tgt Ion: 91 Resp: 31018
Ion Ratio Lower Upper
91 100
106 28.6 24.4 36.6

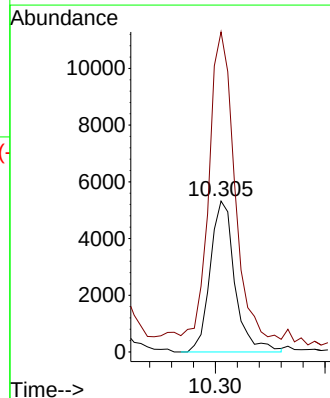
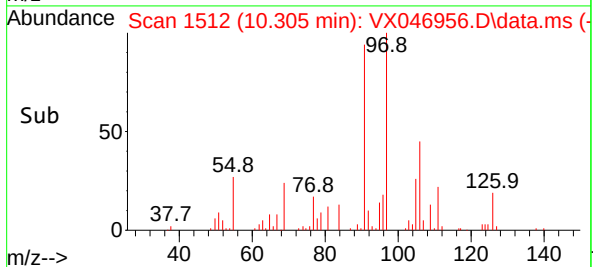
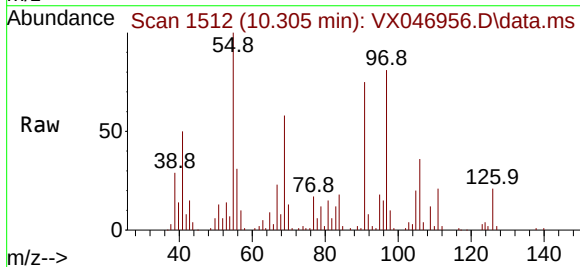
Manual Integrations
APPROVED

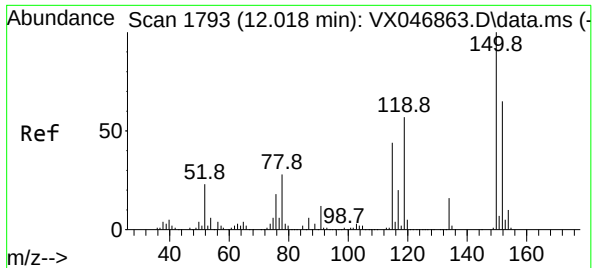
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#68
m/p-Xylenes
Concen: 1.062 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046956.D
Acq: 10 Jul 2025 19:20

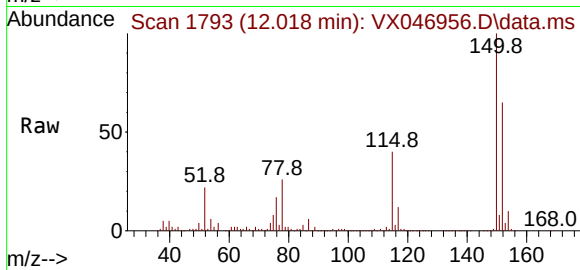
Tgt Ion:106 Resp: 8349
Ion Ratio Lower Upper
106 100
91 220.0 164.6 246.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046956.D
Acq: 10 Jul 2025 19:20

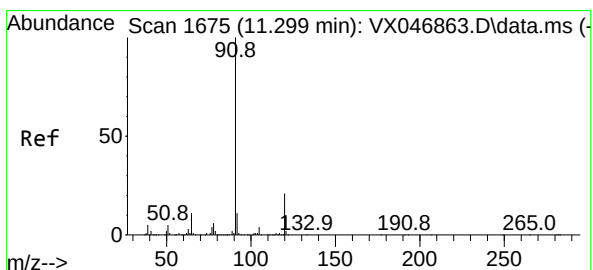
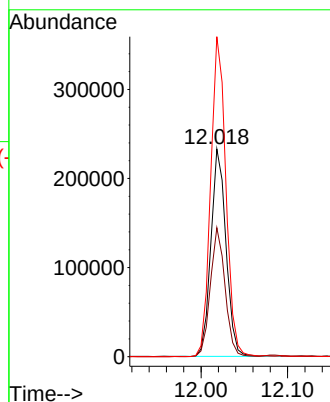
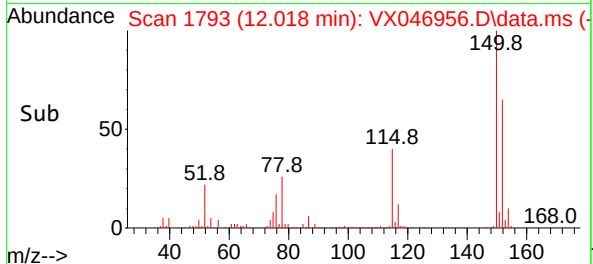
Instrument :
MSVOA_X
ClientSampleId :
GPX6ME



Tgt Ion:152 Resp: 282479
Ion Ratio Lower Upper
152 100
115 60.7 42.4 127.1
150 155.5 0.0 349.2

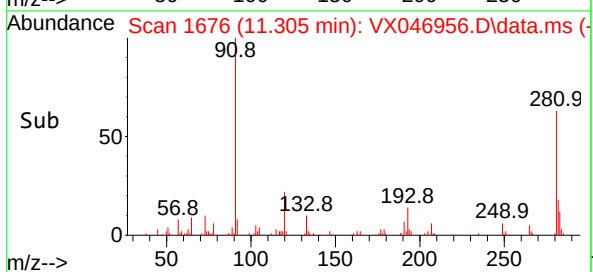
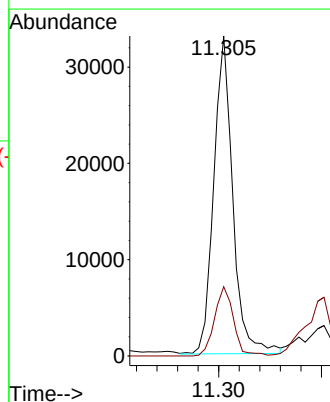
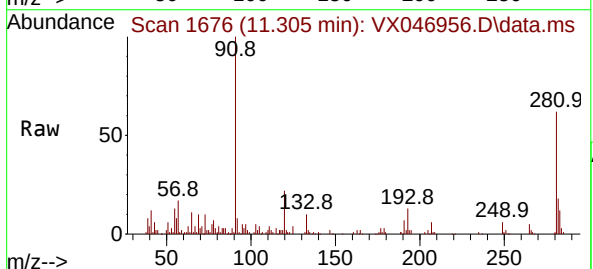
Manual Integrations
APPROVED

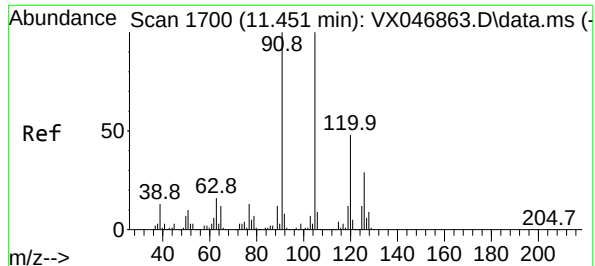
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#78
n-propylbenzene
Concen: 1.766 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046956.D
Acq: 10 Jul 2025 19:20

Tgt Ion: 91 Resp: 42293
Ion Ratio Lower Upper
91 100
120 21.7 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 1.303 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX046956.D

Acq: 10 Jul 2025 19:20

Instrument :

MSVOA_X

ClientSampleId :

GPX6ME

Tgt Ion:105 Resp: 21020

Ion Ratio Lower Upper

105 100

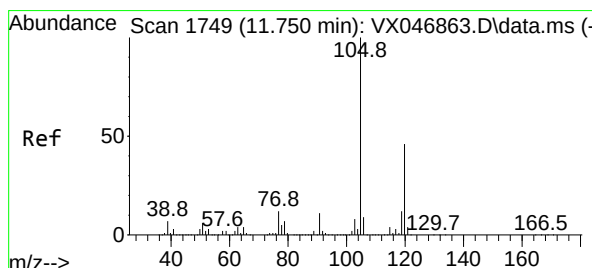
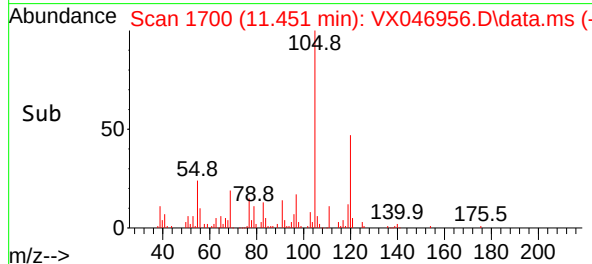
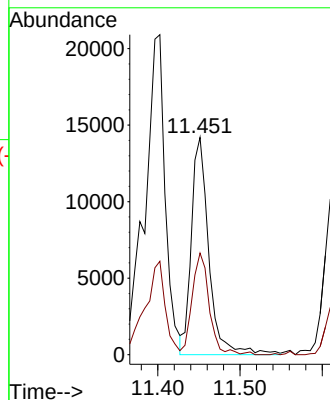
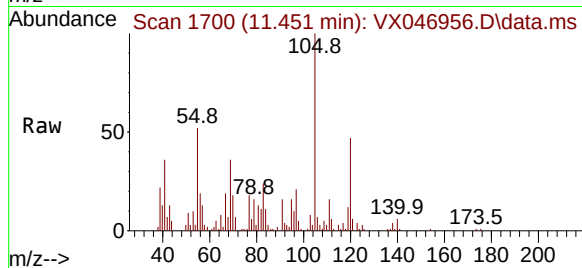
120 45.6 24.1 72.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.767 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX046956.D

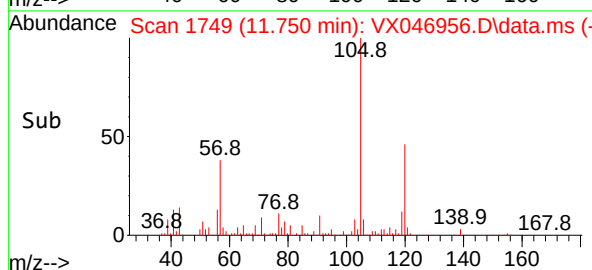
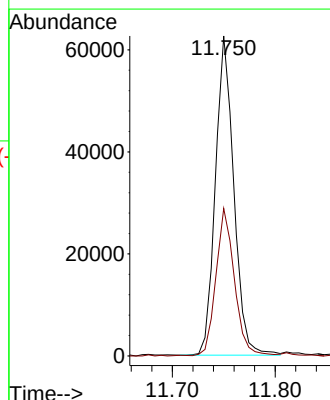
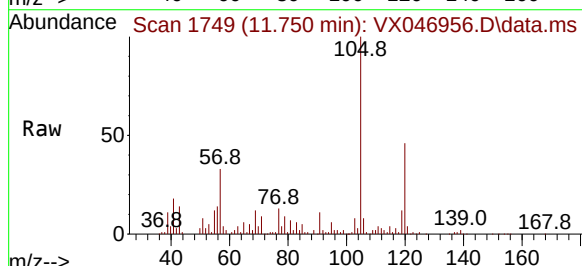
Acq: 10 Jul 2025 19:20

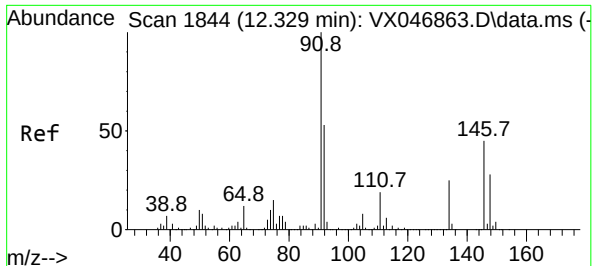
Tgt Ion:105 Resp: 77750

Ion Ratio Lower Upper

105 100

120 46.7 23.3 69.8





#89

n-Butylbenzene

Concen: 1.443 ug/l m

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046956.D

Acq: 10 Jul 2025 19:20

Instrument :

MSVOA_X

ClientSampleId :

GPX6ME

Tgt Ion: 91 Resp: 2385

Ion Ratio Lower Upper

91 100

92 56.3 27.0 81.0

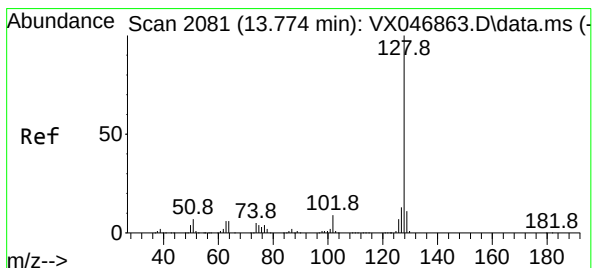
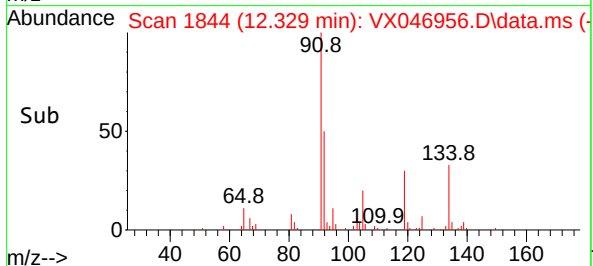
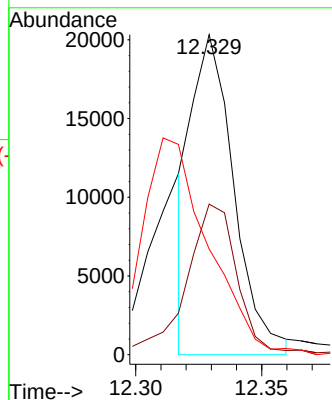
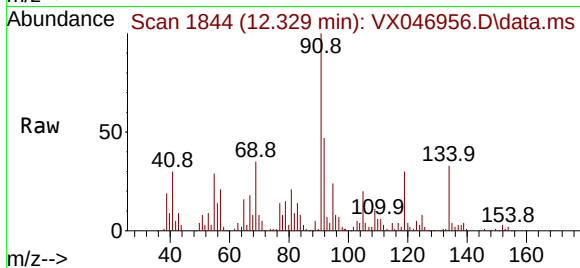
134 104.4 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#95

Naphthalene

Concen: 1.738 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX046956.D

Acq: 10 Jul 2025 19:20

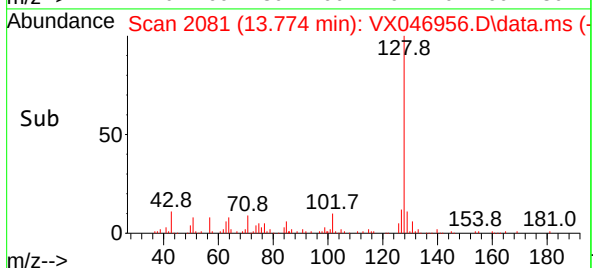
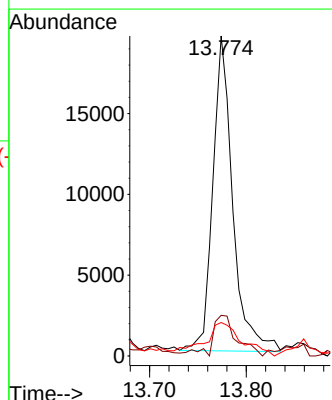
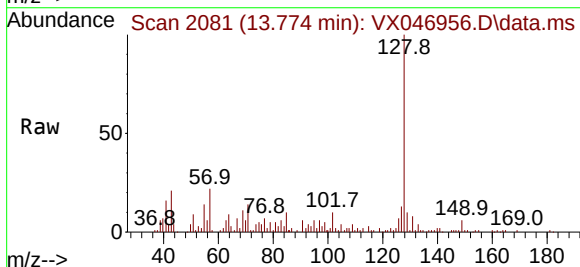
Tgt Ion:128 Resp: 27891

Ion Ratio Lower Upper

128 100

127 14.8 10.2 15.4

129 20.1 8.6 13.0#



Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX7	SDG No.:	Q2480
Lab Sample ID:	Q2480-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.8
Sample Wt/Vol:	8.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031777.D	1	07/09/25 15:40	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.75	U	0.75	3.30	ug/Kg
74-87-3	Chloromethane	0.75	U	0.75	3.30	ug/Kg
75-01-4	Vinyl Chloride	0.52	U	0.52	3.30	ug/Kg
74-83-9	Bromomethane	0.70	U	0.70	3.30	ug/Kg
75-00-3	Chloroethane	0.83	U	0.83	3.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.79	U	0.79	3.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.69	U	0.69	3.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.66	U	0.66	3.30	ug/Kg
67-64-1	Acetone	3.10	U	3.10	16.4	ug/Kg
75-15-0	Carbon Disulfide	0.90	J	0.69	3.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.48	U	0.48	3.30	ug/Kg
79-20-9	Methyl Acetate	1.00	U	1.00	3.30	ug/Kg
75-09-2	Methylene Chloride	2.30	UQ	2.30	6.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.56	U	0.56	3.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.52	U	0.52	3.30	ug/Kg
110-82-7	Cyclohexane	450	E	0.52	3.30	ug/Kg
78-93-3	2-Butanone	4.30	U	4.30	16.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.64	U	0.64	3.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.49	UQ	0.49	3.30	ug/Kg
74-97-5	Bromochloromethane	0.75	U	0.75	3.30	ug/Kg
67-66-3	Chloroform	0.55	U	0.55	3.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.61	U	0.61	3.30	ug/Kg
108-87-2	Methylcyclohexane	1500	E	0.60	3.30	ug/Kg
71-43-2	Benzene	3.70		0.52	3.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.52	U	0.52	3.30	ug/Kg
79-01-6	Trichloroethene	0.53	U	0.53	3.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.60	U	0.60	3.30	ug/Kg
75-27-4	Bromodichloromethane	0.51	U	0.51	3.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.30	U	2.30	16.4	ug/Kg
108-88-3	Toluene	0.51	U	0.51	3.30	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX7	SDG No.:	Q2480
Lab Sample ID:	Q2480-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.8
Sample Wt/Vol:	8.69	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10
GC Column:	RXI-624	Level :	LOW
Prep Method :	ID : 0.25		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031777.D	1	07/09/25 15:40	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.43	U	0.43	3.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.41	U	0.41	3.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.60	U	0.60	3.30	ug/Kg
591-78-6	2-Hexanone	2.40	U	2.40	16.4	ug/Kg
124-48-1	Dibromochloromethane	0.57	U	0.57	3.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.58	U	0.58	3.30	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	3.30	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	3.30	ug/Kg
100-41-4	Ethyl Benzene	0.44	U	0.44	3.30	ug/Kg
179601-23-1	m/p-Xylenes	12.7		0.81	6.60	ug/Kg
95-47-6	o-Xylene	9.60		0.54	3.30	ug/Kg
100-42-5	Styrene	0.47	U	0.47	3.30	ug/Kg
75-25-2	Bromoform	0.56	U	0.56	3.30	ug/Kg
98-82-8	Isopropylbenzene	0.51	U	0.51	3.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.79	U	0.79	3.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.10	U	1.10	3.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.00	U	1.00	3.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.95	U	0.95	3.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.90	U	1.90	3.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.10	U	2.10	3.30	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	46.7		63 - 155	93%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		70 - 134	95%	SPK: 50
2037-26-5	Toluene-d8	100	*	74 - 123	209%	SPK: 50
460-00-4	4-Bromofluorobenzene	100	*	17 - 146	201%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	203000	7.965
540-36-3	1,4-Difluorobenzene	393000	8.855
3114-55-4	Chlorobenzene-d5	351000	11.629
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.556

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX7	SDG No.:	Q2480
Lab Sample ID:	Q2480-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.8
Sample Wt/Vol:	8.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031777.D	1	07/09/25 15:40	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000142-82-5	Heptane	42.9	J		8.70	ug/Kg
000589-81-1	Heptane, 3-methyl-	55.3	J		10.1	ug/Kg
	unknown10.514	210	J		10.5	ug/Kg
006876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	89.5	J		10.7	ug/Kg
018669-52-8	1,4-Hexadiene, 2,3-dimethyl-	170	J		10.8	ug/Kg
	unknown10.849	38.3	J		10.8	ug/Kg
001072-05-5	Heptane, 2,6-dimethyl-	60.2	J		10.9	ug/Kg
000823-17-6	Cyclohexene, 3,5-dimethyl-	120	J		11.1	ug/Kg
019780-56-4	Methyl ethyl cyclopentene	48.2	J		11.1	ug/Kg
001678-91-7	Cyclohexane, ethyl-	120	J		11.2	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	85.9	J		11.2	ug/Kg
001636-43-7	Decane, 5,6-dimethyl-	44.5	J		11.3	ug/Kg
002213-23-2	Heptane, 2,4-dimethyl-	150	J		11.4	ug/Kg
002216-33-3	Octane, 3-methyl-	74.3	J		11.5	ug/Kg
013152-05-1	Cyclooctene, 3-methyl-	89.3	J		12.3	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	180	J		12.9	ug/Kg
98-06-6	tert-Butylbenzene	6.00	J		13.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3.50	J		13.3	ug/Kg
135-98-8	sec-Butylbenzene	19.1	J		13.4	ug/Kg
99-87-6	p-Isopropyltoluene	41.2	J		13.5	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031777.D
 Acq On : 09 Jul 2025 15:40
 Operator : SY/MD
 Sample : Q2480-07
 Misc : 8.69g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:27:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	202570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	393419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	350819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	185596	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135752	46.697	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	93.400%		
35) Dibromofluoromethane	7.904	113	121682	47.398	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.800%		
50) Toluene-d8	10.325	98	996185	104.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	208.540%#		
62) 4-Bromofluorobenzene	12.611	95	352944	100.389	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	200.780%#		
Target Compounds						
						Qvalue
17) Carbon Disulfide	4.435	76	8839	1.368	ug/l	97
31) Cyclohexane	7.971	56	2838173	685.663	ug/l #	95
39) Methylcyclohexane	9.349	83	10589796	2291.187	ug/l	95
40) Benzene	8.337	78	61300	5.577	ug/l	93
68) m/p-Xylenes	11.849	106	99754	19.334	ug/l #	72
69) o-Xylene	12.166	106	70146	14.683	ug/l	83
80) 1,3,5-Trimethylbenzene	12.940	105	3120859	267.066	ug/l	98
83) tert-Butylbenzene	13.202	119	92110	9.202	ug/l	95
84) 1,2,4-Trimethylbenzene	13.251	105	63485m	5.362	ug/l	
85) sec-Butylbenzene	13.385	105	436986m	29.085	ug/l	
86) p-Isopropyltoluene	13.501	119	778666	62.885	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

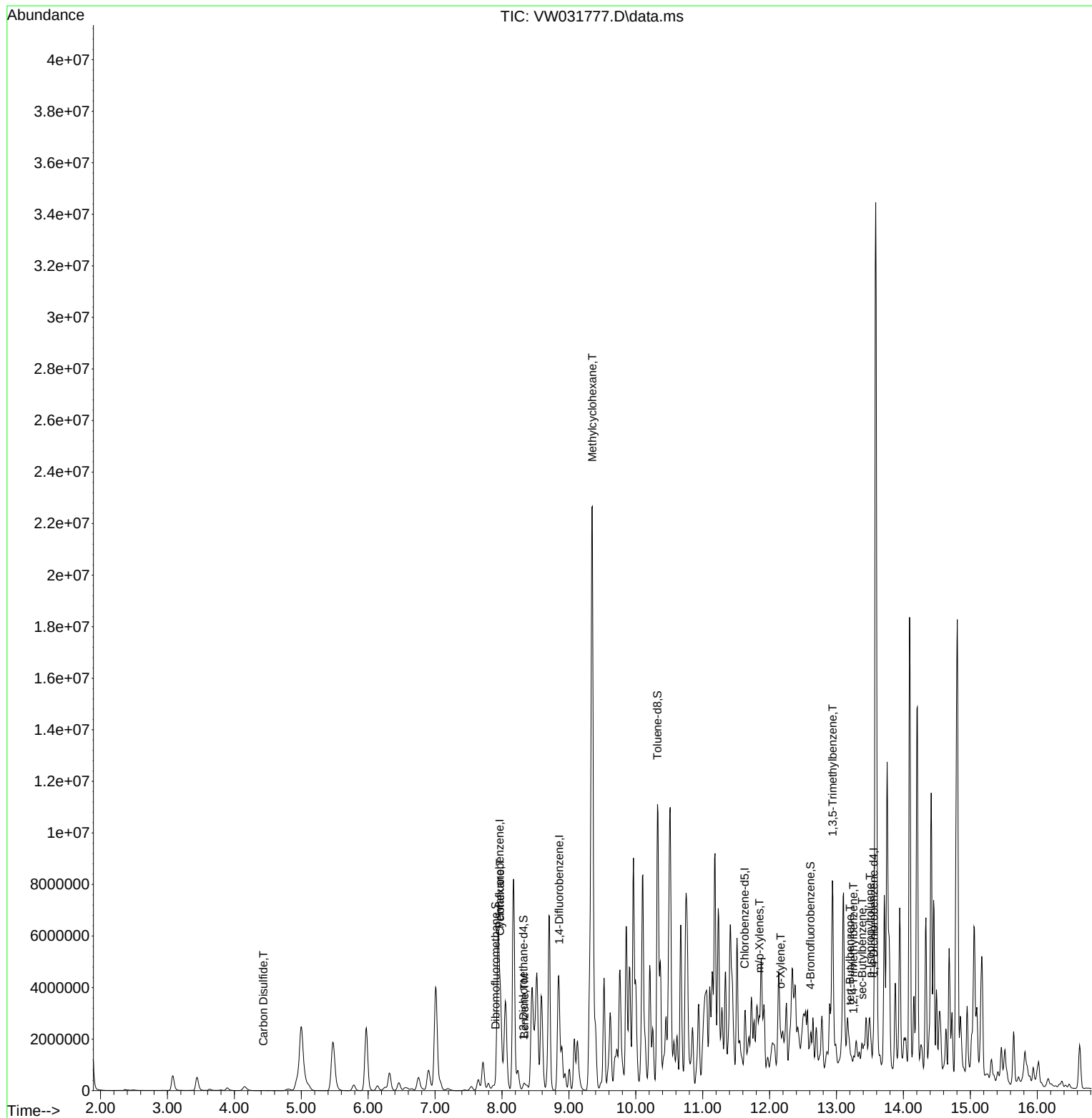
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Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

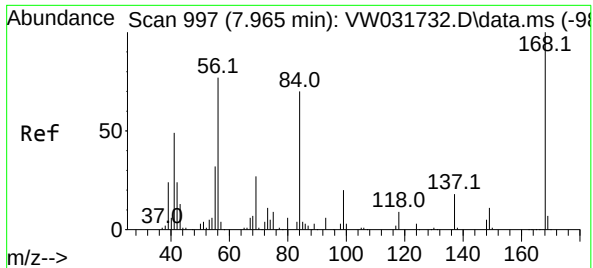
Instrument :
MSVOA_W
ClientSampleId :
GPX7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

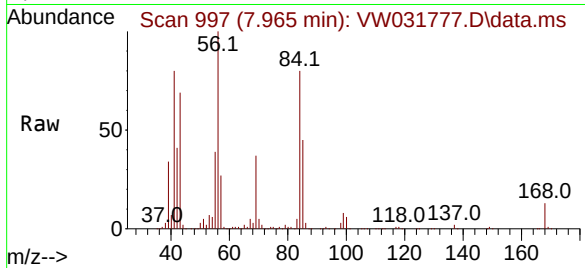
Quant Time: Jul 10 01:27:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

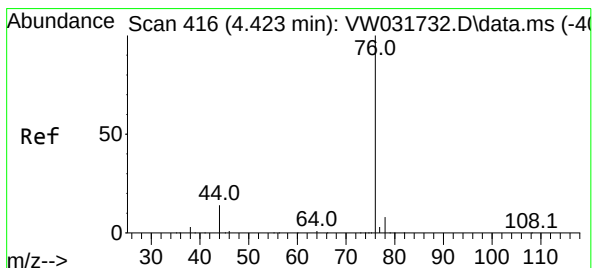
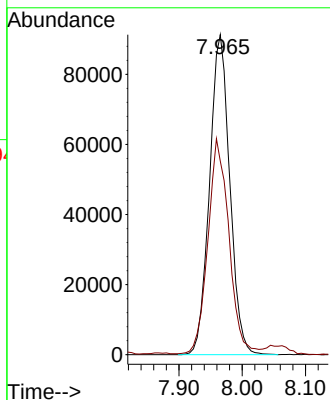
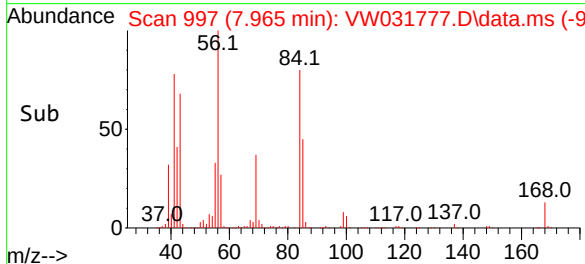
Instrument :
MSVOA_W
ClientSampleId :
GPX7



Tgt Ion:168 Resp: 202570
Ion Ratio Lower Upper
168 100
99 60.2 49.4 74.2

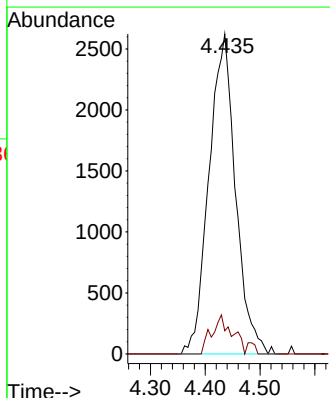
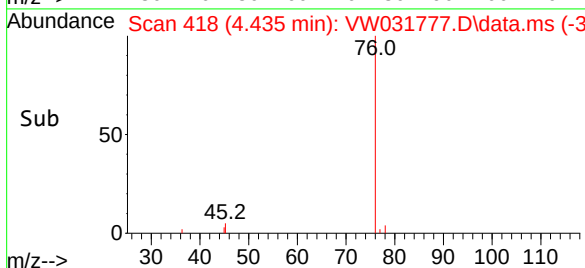
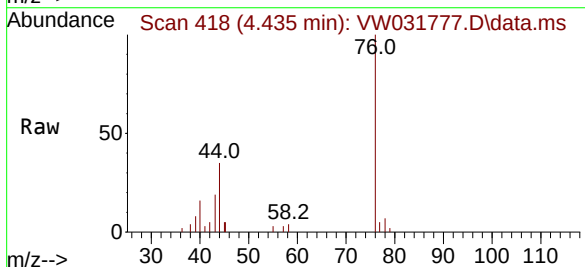
Manual Integrations
APPROVED

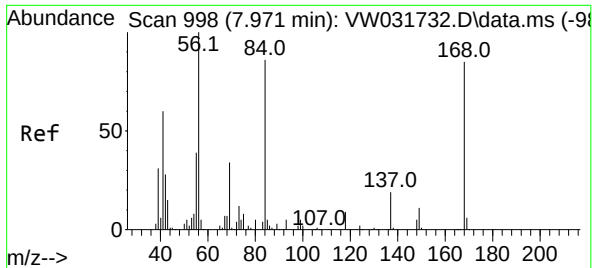
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#17
Carbon Disulfide
Concen: 1.368 ug/l
RT: 4.435 min Scan# 418
Delta R.T. 0.012 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

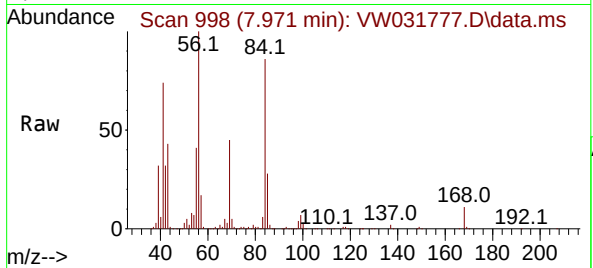
Tgt Ion: 76 Resp: 8839
Ion Ratio Lower Upper
76 100
78 7.2 6.6 10.0





#31
Cyclohexane
Concen: 685.663 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

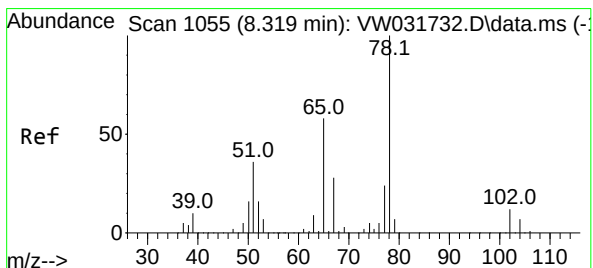
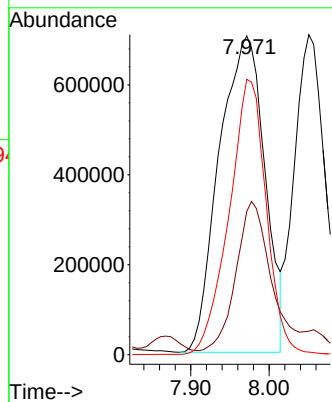
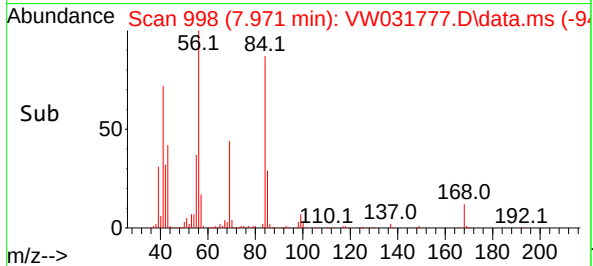
Instrument :
MSVOA_W
ClientSampleId :
GPX7



Tgt Ion: 56 Resp: 283817
Ion Ratio Lower Upper
56 100
69 41.7 27.2 40.8
84 86.9 68.5 102.7

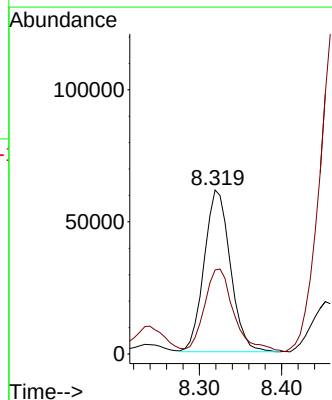
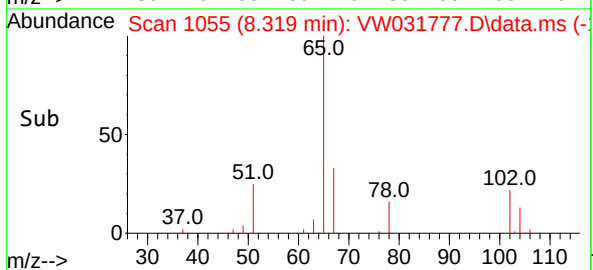
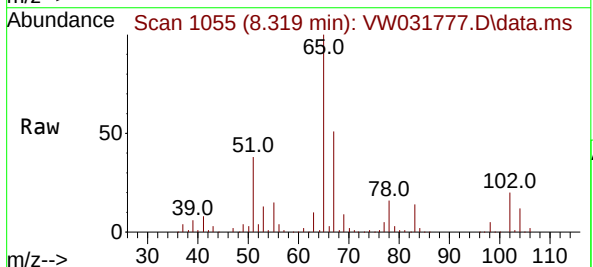
Manual Integrations
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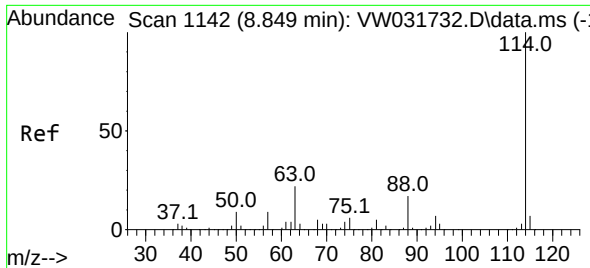
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#33
1,2-Dichloroethane-d4
Concen: 46.697 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

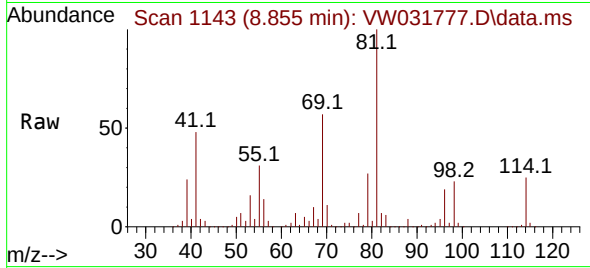
Tgt Ion: 65 Resp: 135752
Ion Ratio Lower Upper
65 100
67 57.2 0.0 99.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

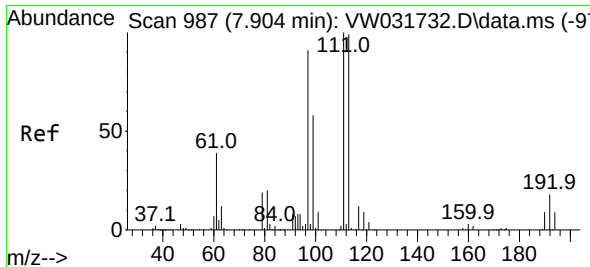
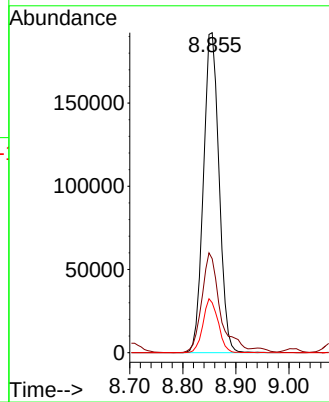
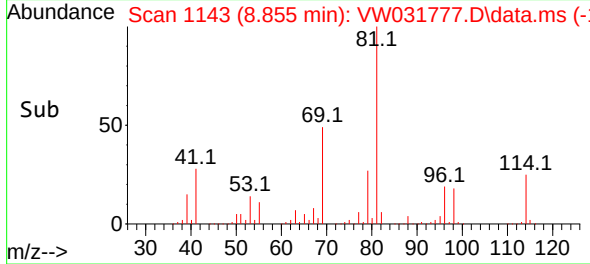
Instrument :
MSVOA_W
ClientSampleId :
GPX7



Tgt Ion:114 Resp: 393419
Ion Ratio Lower Upper
114 100
63 29.3 0.0 43.6
88 15.6 0.0 34.2

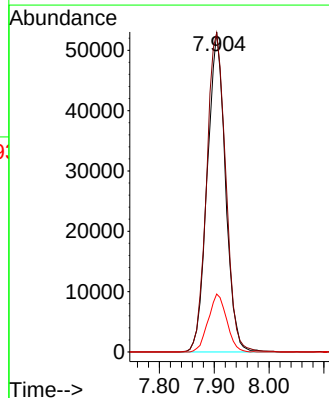
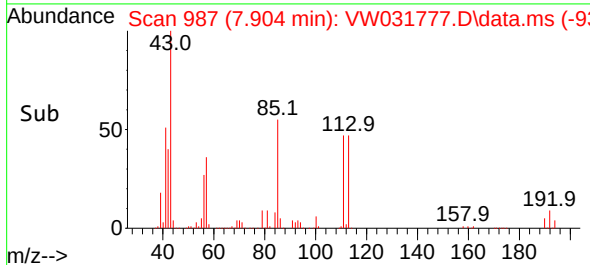
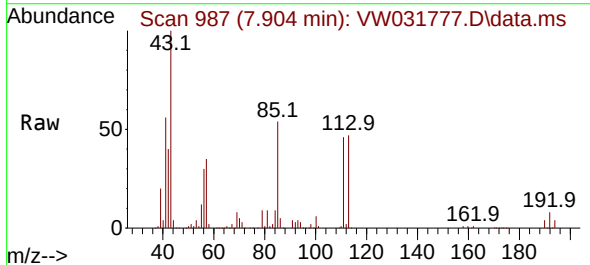
Manual Integrations
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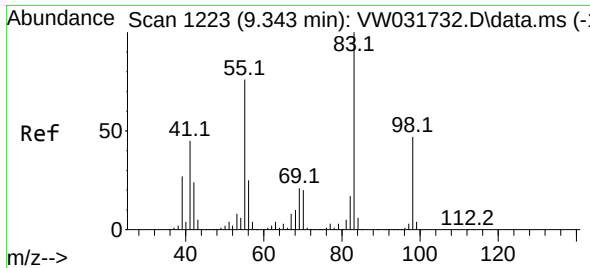
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#35
Dibromofluoromethane
Concen: 47.398 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

Tgt Ion:113 Resp: 121682
Ion Ratio Lower Upper
113 100
111 105.0 82.1 123.1
192 18.4 13.8 20.6





#39

Methylcyclohexane

Concen: 2291.187 ug/l

RT: 9.349 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031777.D

Acq: 09 Jul 2025 15:40

Instrument :

MSVOA_W

ClientSampleId :

GPX7

Tgt Ion: 83 Resp:1058979

Ion Ratio Lower Upper

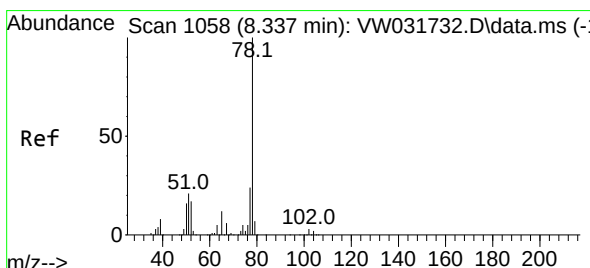
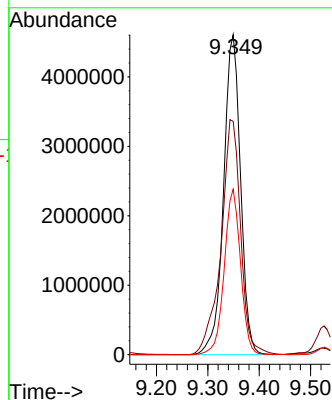
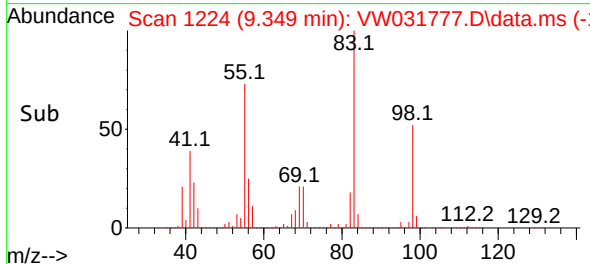
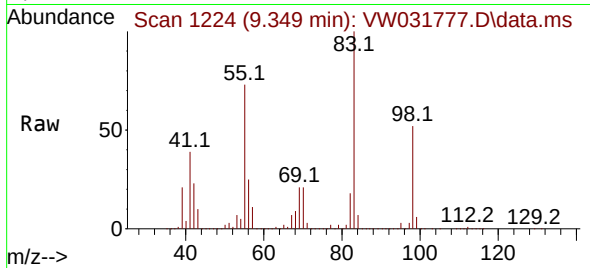
83 100

55 72.9 61.0 91.4

98 51.7 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

#40

Benzene

Concen: 5.577 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031777.D

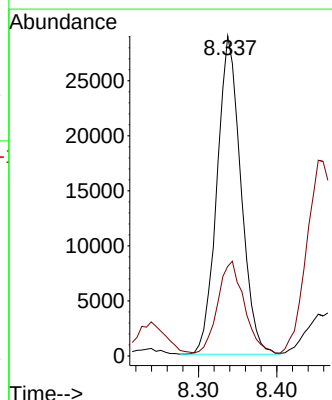
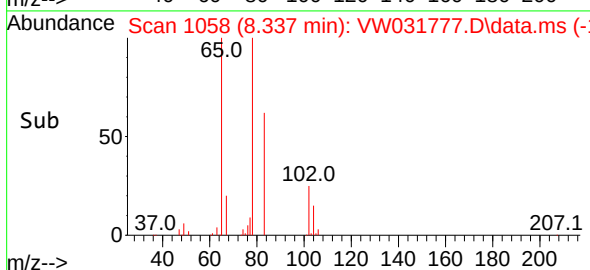
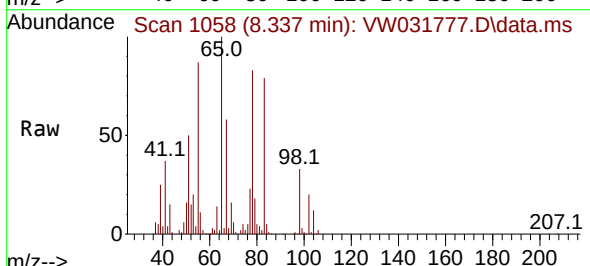
Acq: 09 Jul 2025 15:40

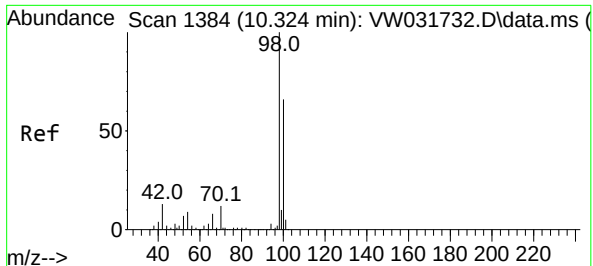
Tgt Ion: 78 Resp: 61300

Ion Ratio Lower Upper

78 100

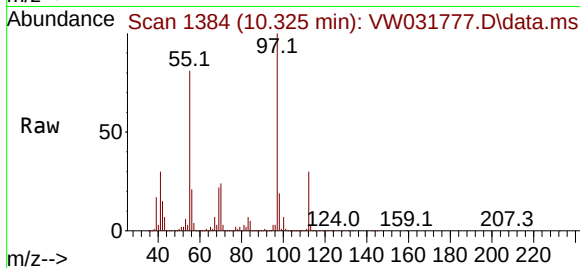
77 27.2 19.2 28.8





#50
Toluene-d8
Concen: 104.272 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

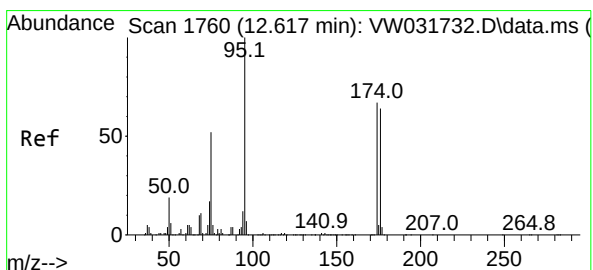
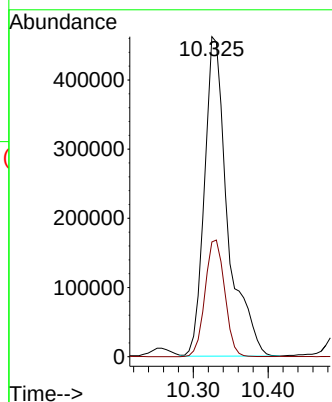
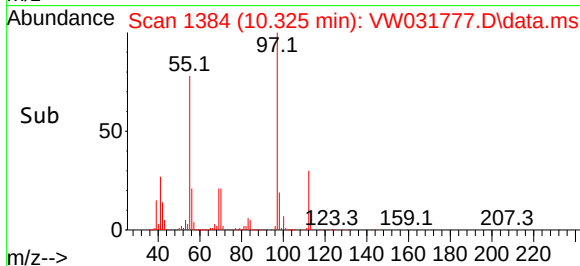
Instrument :
MSVOA_W
ClientSampleId :
GPX7



Tgt Ion: 98 Resp: 996185
Ion Ratio Lower Upper
98 100
100 31.0 53.0 79.4

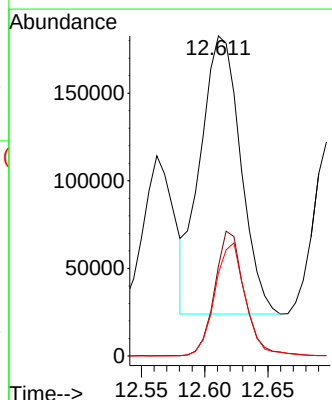
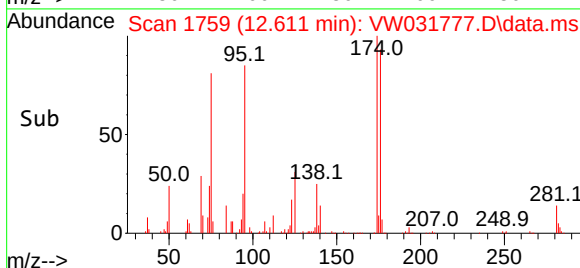
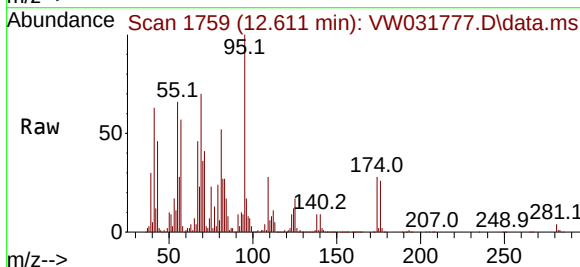
Manual Integrations
APPROVED

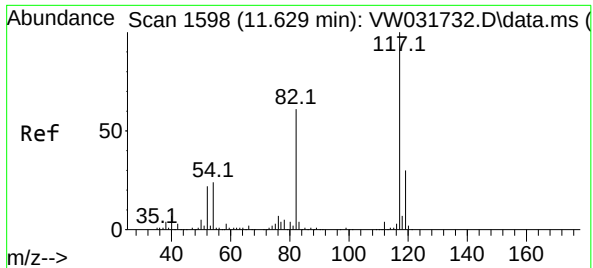
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#62
4-Bromofluorobenzene
Concen: 100.389 ug/l
RT: 12.611 min Scan# 1759
Delta R.T. -0.006 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

Tgt Ion: 95 Resp: 352944
Ion Ratio Lower Upper
95 100
174 32.9 0.0 133.8
176 31.0 0.0 126.0





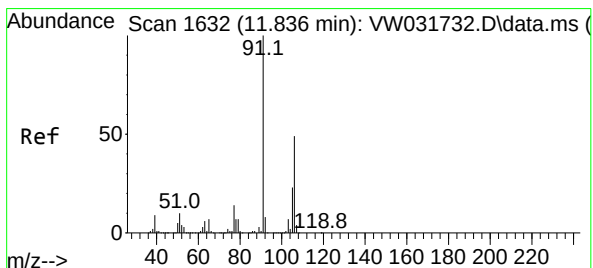
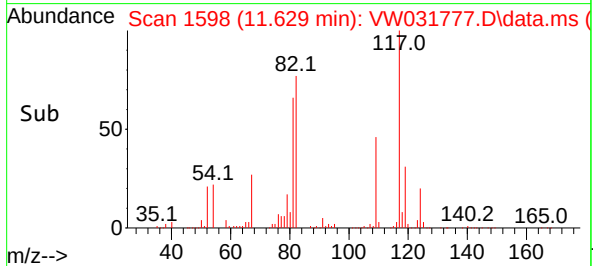
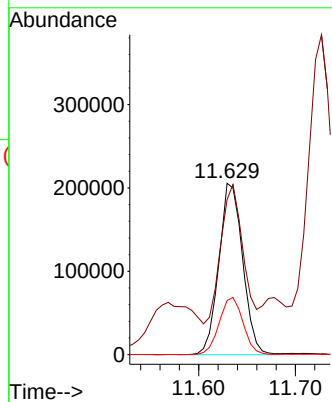
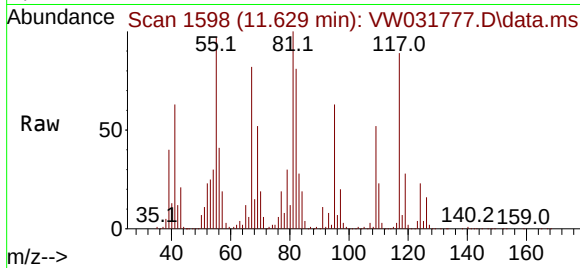
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

Instrument :
MSVOA_W
ClientSampleId :
GPX7

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.5	48.6	72.8
119	31.4	23.9	35.9

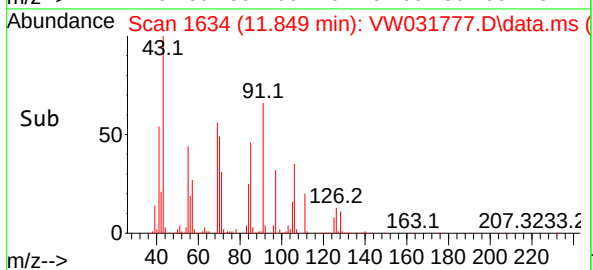
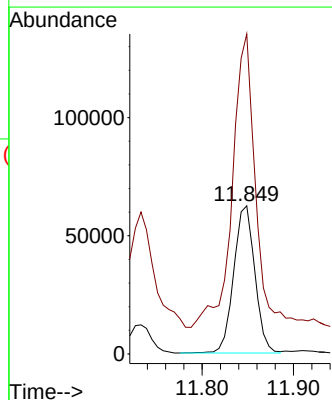
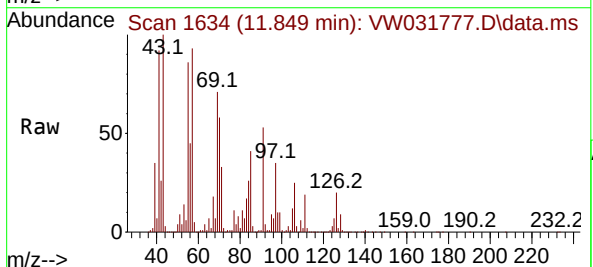
Manual Integrations
APPROVED

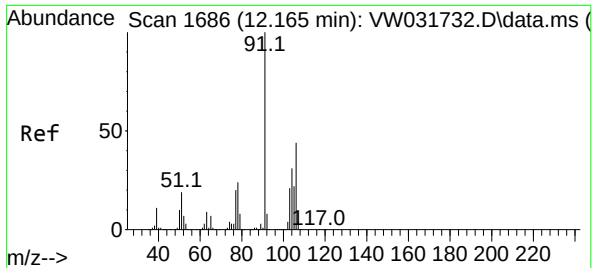
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#68
m/p-Xylenes
Concen: 19.334 ug/l
RT: 11.849 min Scan# 1634
Delta R.T. 0.012 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

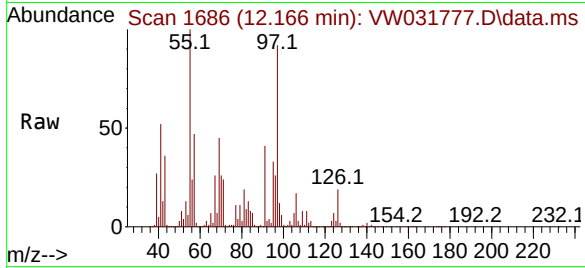
Tgt Ion	Ratio	Lower	Upper
106	100		
91	252.2	166.4	249.6





#69
o-Xylene
Concen: 14.683 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

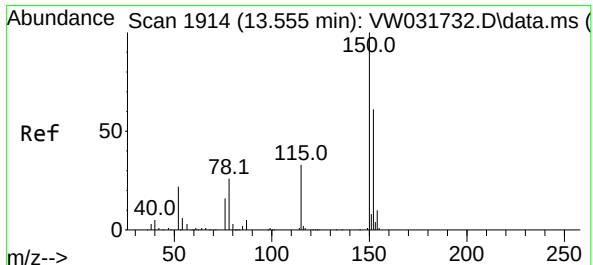
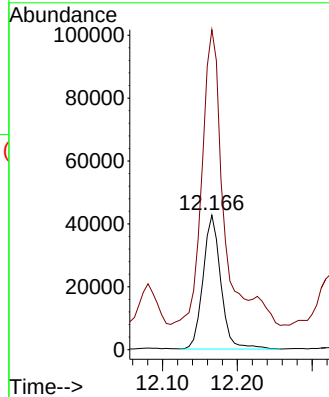
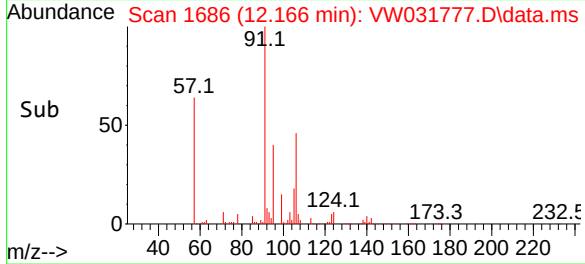
Instrument :
MSVOA_W
ClientSampleId :
GPX7



Tgt Ion:106 Resp: 70140
Ion Ratio Lower Upper
106 100
91 250.9 111.5 334.4

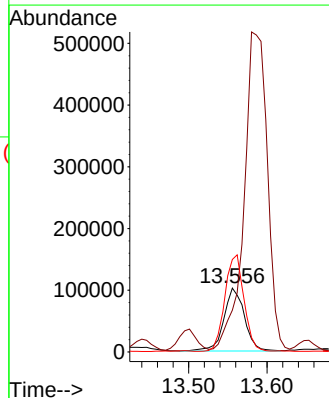
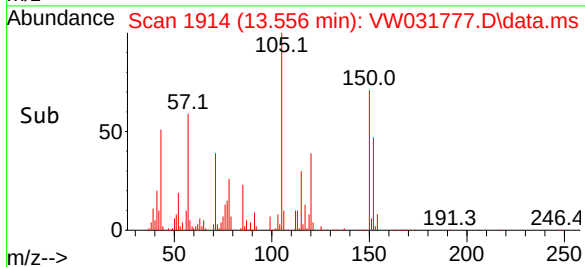
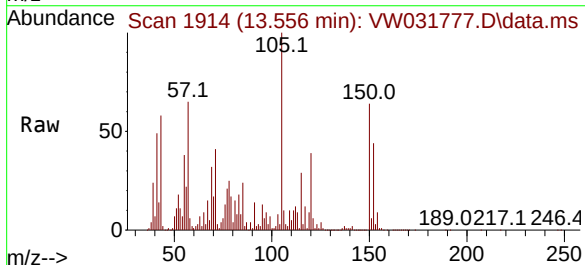
Manual Integrations
APPROVED

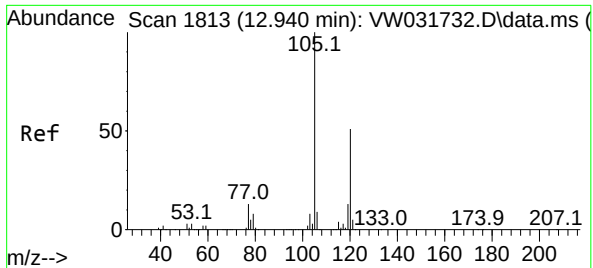
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

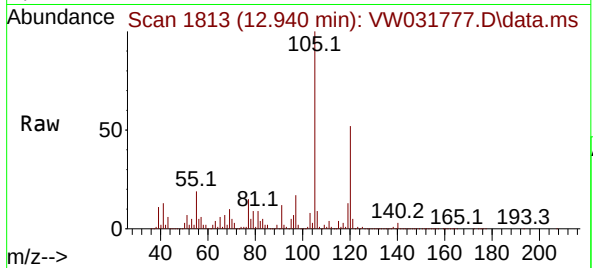
Tgt Ion:152 Resp: 185596
Ion Ratio Lower Upper
152 100
115 0.0 31.9 95.7#
150 143.2 0.0 356.4





#80
1,3,5-Trimethylbenzene
Concen: 267.066 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

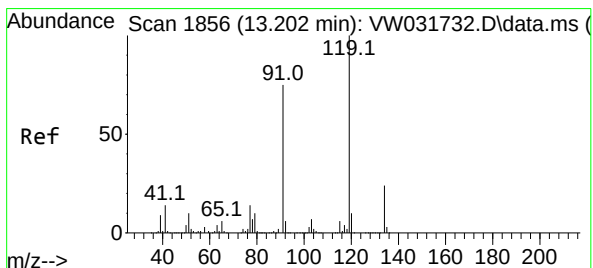
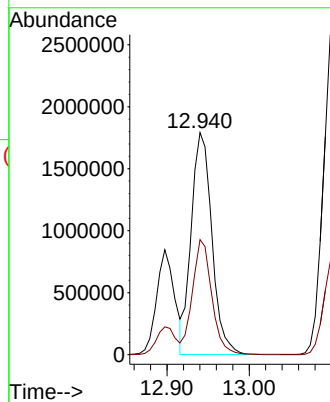
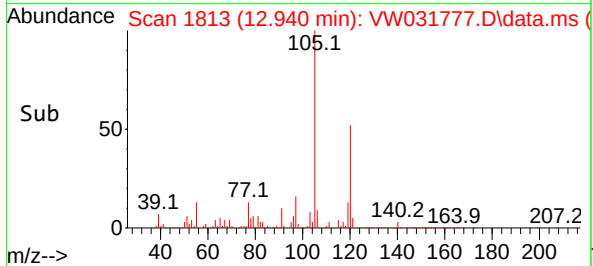
Instrument :
MSVOA_W
ClientSampleId :
GPX7



Tgt Ion:105 Resp: 3120859
Ion Ratio Lower Upper
105 100
120 48.6 23.8 71.2

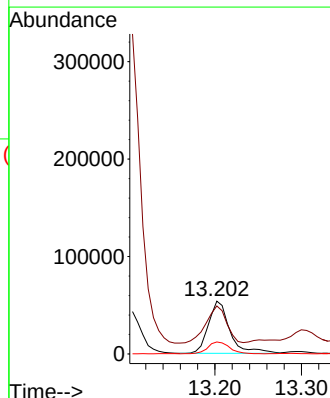
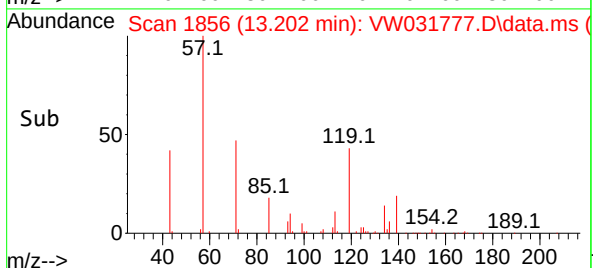
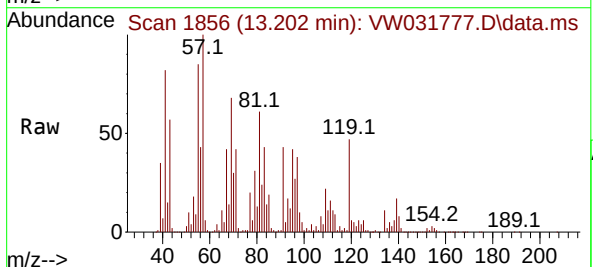
Manual Integrations
APPROVED

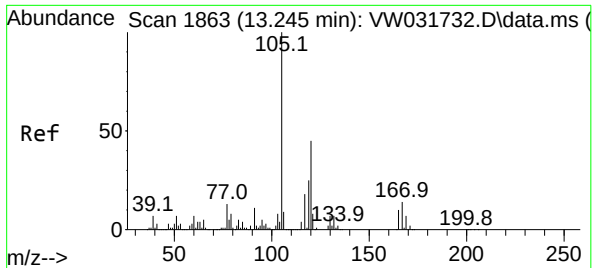
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#83
tert-Butylbenzene
Concen: 9.202 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

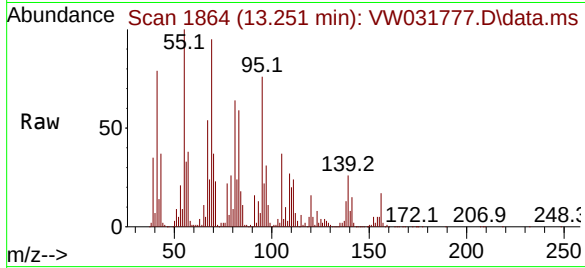
Tgt Ion:119 Resp: 92110
Ion Ratio Lower Upper
119 100
91 68.4 36.0 108.1
134 22.3 12.4 37.2





#84
1,2,4-Trimethylbenzene
Concen: 5.362 ug/l m
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

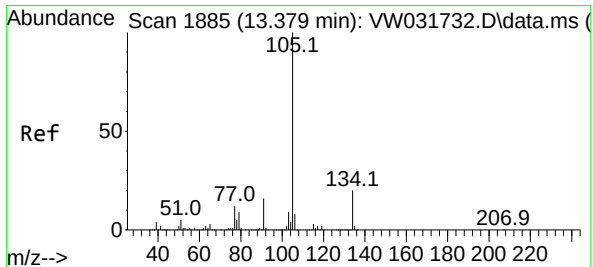
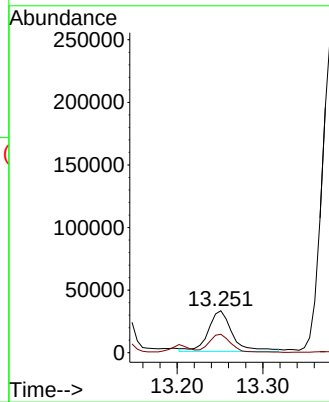
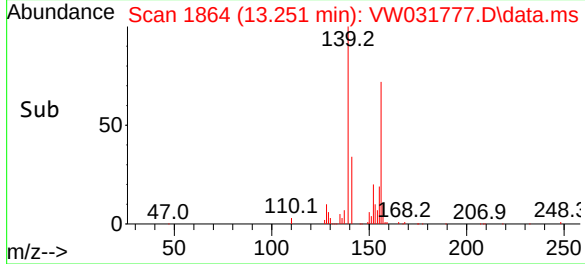
Instrument :
MSVOA_W
ClientSampleId :
GPX7



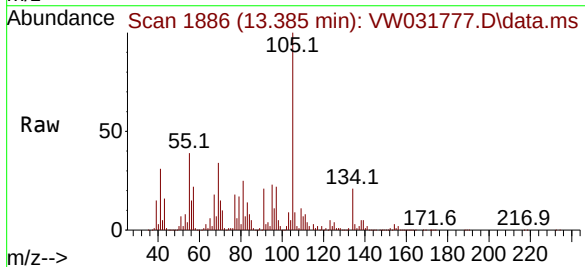
Tgt Ion:105 Resp: 6348
Ion Ratio Lower Upper
105 100
120 2089.4 22.1 66.1

Manual Integrations
APPROVED

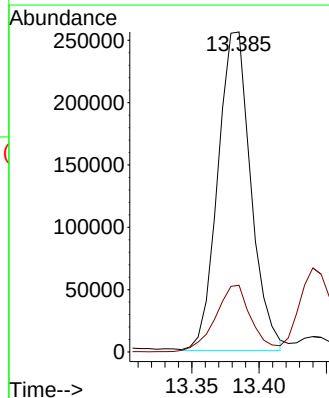
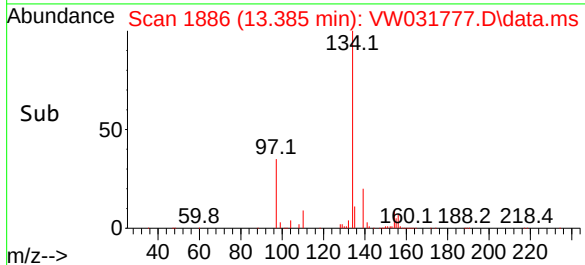
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

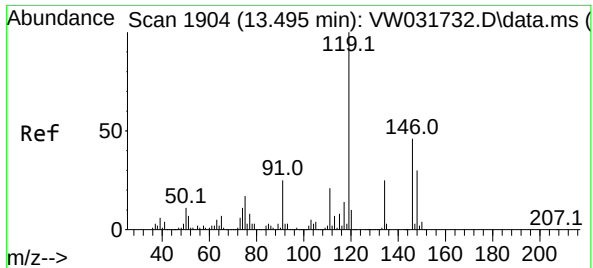


#85
sec-Butylbenzene
Concen: 29.085 ug/l m
RT: 13.385 min Scan# 1886
Delta R.T. 0.006 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40



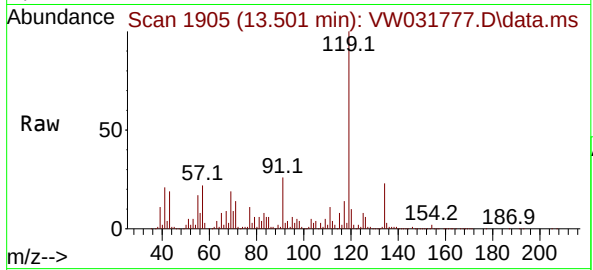
Tgt Ion:105 Resp: 436986
Ion Ratio Lower Upper
105 100
134 0.0 9.6 28.8#





#86
p-Isopropyltoluene
Concen: 62.885 ug/l
RT: 13.501 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VW031777.D
Acq: 09 Jul 2025 15:40

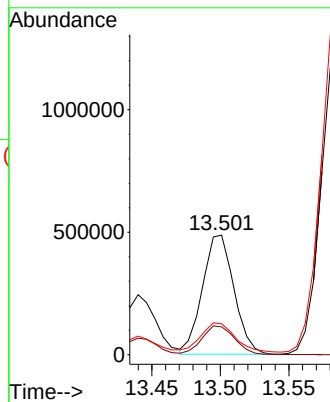
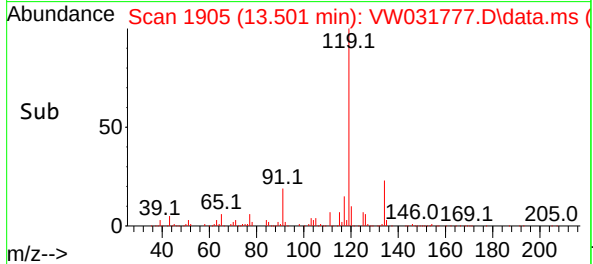
Instrument :
MSVOA_W
ClientSampleId :
GPX7



Tgt Ion:119 Resp: 778660
Ion Ratio Lower Upper
119 100
134 25.0 12.9 38.7
91 26.4 12.7 38.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031777.D
 Acq On : 09 Jul 2025 15:40
 Operator : SY/MD
 Sample : Q2480-07
 Misc : 8.69g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX7

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Title : SW846 8260

Signal : TIC: VW031777.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.076	185	195	214	rBV	564169	1677103	2.57%	0.187%
2	3.442	245	255	278	rVB	506528	1523940	2.34%	0.170%
3	5.002	488	511	550	rVB	2472477	13155891	20.17%	1.465%
4	5.472	571	588	625	rBV	1878030	7539089	11.56%	0.840%
5	5.972	656	670	687	rBV2	2427556	7658269	11.74%	0.853%
6	6.319	719	727	739	rVB	669591	2082659	3.19%	0.232%
7	6.752	788	798	812	rBV2	480871	1655494	2.54%	0.184%
8	6.905	812	823	831	rVV	764673	2609395	4.00%	0.291%
9	7.008	831	840	862	rVB	3984260	13600429	20.86%	1.515%
10	7.715	949	956	964	rVV2	1041727	2748163	4.21%	0.306%
11	7.947	976	994	1005	rVV3	6097572	23593391	36.18%	2.628%
12	8.051	1005	1011	1022	rVB	3388850	9555024	14.65%	1.064%
13	8.173	1022	1031	1039	rBV	8126343	19527527	29.94%	2.175%
14	8.240	1039	1042	1051	rVB	712326	1480151	2.27%	0.165%
15	8.453	1068	1077	1082	rBV3	3866817	11324858	17.37%	1.262%
16	8.520	1083	1088	1094	rVB3	3567773	8248311	12.65%	0.919%
17	8.587	1094	1099	1109	rVB	3543461	8865374	13.59%	0.988%
18	8.703	1109	1118	1131	rVB2	6781973	15246861	23.38%	1.698%
19	8.849	1131	1142	1147	rBV3	4445218	11655234	17.87%	1.298%
20	9.008	1163	1168	1173	rVB	747468	1371992	2.10%	0.153%
21	9.081	1173	1180	1184	rBV	1932600	4133293	6.34%	0.460%
22	9.130	1184	1188	1207	rVB2	1909415	4795289	7.35%	0.534%
23	9.349	1208	1224	1240	rBV2	22654149	65213815	100.00%	7.264%
24	9.526	1240	1253	1259	rBV	4266548	8780612	13.46%	0.978%
25	9.617	1259	1268	1275	rBV3	2709931	6338610	9.72%	0.706%
26	9.715	1275	1284	1287	rBV2	1232631	3843756	5.89%	0.428%
27	9.764	1287	1292	1302	rVB3	4063345	8965010	13.75%	0.999%
28	9.855	1302	1307	1312	rBV	5746898	11029186	16.91%	1.229%
29	9.904	1312	1315	1320	rVB2	3090012	5010262	7.68%	0.558%
30	9.965	1320	1325	1329	rBV	7323267	12904297	19.79%	1.437%
31	10.105	1339	1348	1359	rBV2	7995726	19670737	30.16%	2.191%
32	10.209	1359	1365	1369	rBV	4377064	8277267	12.69%	0.922%
33	10.252	1369	1372	1378	rVB2	1992914	3516064	5.39%	0.392%
34	10.325	1378	1384	1389	rBV	10682369	22599096	34.65%	2.517%
35	10.453	1396	1405	1407	rBV3	1977286	3842554	5.89%	0.428%
36	10.514	1407	1415	1421	rVV5	10024934	24063047	36.90%	2.680%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX7

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260

37	10.569	1421	1424	1428	rVV2	877469	1239290	1.90%	0.138%
38	10.617	1428	1432	1436	rVB4	1294276	2079750	3.19%	0.232%
39	10.672	1436	1441	1448	rVB	5667672	10106564	15.50%	1.126%
40	10.751	1448	1454	1464	rBV3	6911228	19207386	29.45%	2.140%
41	10.849	1465	1470	1476	rVB2	2166753	4329765	6.64%	0.482%
42	10.940	1476	1485	1490	rBV2	3069139	6800531	10.43%	0.758%
43	11.056	1490	1504	1508	rBV5	3274001	13593901	20.85%	1.514%
44	11.105	1508	1512	1515	rVV3	2546501	4157567	6.38%	0.463%
45	11.142	1515	1518	1521	rVV2	3096301	5447607	8.35%	0.607%
46	11.184	1521	1525	1529	rVV	7642547	13041474	20.00%	1.453%
47	11.233	1529	1533	1538	rVV	5463642	9702038	14.88%	1.081%
48	11.288	1538	1542	1546	rVB3	1610173	2424337	3.72%	0.270%
49	11.343	1546	1551	1555	rVB2	3180688	5025821	7.71%	0.560%
50	11.410	1555	1562	1574	rVB3	5427687	17147202	26.29%	1.910%
51	11.513	1574	1579	1584	rBV	4914928	8399965	12.88%	0.936%
52	11.635	1594	1599	1603	rBV2	2105822	3702162	5.68%	0.412%
53	11.727	1610	1614	1618	rVV2	1965364	3005140	4.61%	0.335%
54	11.812	1624	1628	1631	rBV4	1399143	2558564	3.92%	0.285%
55	11.873	1635	1638	1642	rVB2	2391831	3482300	5.34%	0.388%
56	12.044	1658	1666	1675	rBV5	933147	3630089	5.57%	0.404%
57	12.135	1675	1681	1688	rBV2	3617668	8511658	13.05%	0.948%
58	12.251	1696	1700	1704	rVB	2229067	3531769	5.42%	0.393%
59	12.336	1704	1714	1718	rBV5	3574044	10092773	15.48%	1.124%
60	12.507	1735	1742	1745	rBV5	1321781	3575418	5.48%	0.398%
61	12.568	1749	1752	1755	rVV	1627234	2211839	3.39%	0.246%
62	12.617	1757	1760	1762	rVV4	875162	1253109	1.92%	0.140%
63	12.647	1762	1765	1769	rVV	1537108	2022108	3.10%	0.225%
64	12.696	1769	1773	1778	rVB3	1273125	2079597	3.19%	0.232%
65	12.782	1783	1787	1793	rVB3	2012222	3719560	5.70%	0.414%
66	12.897	1802	1806	1808	rBV	1946587	2799886	4.29%	0.312%
67	12.940	1808	1813	1819	rVB	6394371	11480644	17.60%	1.279%
68	13.105	1832	1840	1846	rBV	6383719	12703792	19.48%	1.415%
69	13.166	1846	1850	1862	rVB4	1697979	4282573	6.57%	0.477%
70	13.440	1892	1895	1899	rVV3	1537890	2645608	4.06%	0.295%
71	13.495	1899	1904	1910	rVB3	1511706	3384594	5.19%	0.377%
72	13.586	1910	1919	1928	rBV	33139702	62081929	95.20%	6.915%
73	13.714	1934	1940	1943	rBV	6525280	10506376	16.11%	1.170%
74	13.757	1943	1947	1951	rVV	8819699	13843568	21.23%	1.542%
75	13.879	1961	1967	1972	rBV	3318994	5780060	8.86%	0.644%
76	13.946	1972	1978	1984	rVB	5835194	9219677	14.14%	1.027%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX7

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260

77	14.092	1996	2002	2008	rBV	17225660	26628628	40.83%	2.966%
78	14.159	2008	2013	2015	rVV	2380877	3529775	5.41%	0.393%
79	14.208	2015	2021	2026	rVB2	13653446	23800257	36.50%	2.651%
80	14.263	2026	2030	2036	rVB5	900709	2032655	3.12%	0.226%
81	14.336	2036	2042	2047	rBV2	5833517	9592595	14.71%	1.069%
82	14.415	2047	2055	2058	rBV	10286450	17104805	26.23%	1.905%
83	14.452	2058	2061	2065	rVB	5628428	7774475	11.92%	0.866%
84	14.495	2065	2068	2072	rVB	2307420	2727901	4.18%	0.304%
85	14.543	2072	2076	2083	rVB4	2229013	4983357	7.64%	0.555%
86	14.635	2086	2091	2095	rBV2	1420451	2044811	3.14%	0.228%
87	14.684	2095	2099	2103	rBV2	4501487	7291584	11.18%	0.812%
88	14.726	2103	2106	2110	rVB	2283675	3241611	4.97%	0.361%
89	14.806	2110	2119	2124	rBV3	17532027	38708357	59.36%	4.312%
90	14.848	2124	2126	2138	rVB3	2131664	4161931	6.38%	0.464%
91	14.952	2138	2143	2149	rBV2	2525442	4269382	6.55%	0.476%
92	15.056	2150	2160	2165	rBV2	5421856	13331136	20.44%	1.485%
93	15.171	2172	2179	2187	rVB2	4611234	10843111	16.63%	1.208%
94	15.318	2197	2203	2213	rVB5	824872	2013840	3.09%	0.224%
95	15.464	2222	2227	2231	rVV2	1307480	2576515	3.95%	0.287%
96	15.519	2231	2236	2249	rVB2	1347104	3613417	5.54%	0.403%
97	15.647	2249	2257	2264	rBV	2046177	4032796	6.18%	0.449%
98	15.818	2276	2285	2295	rBV2	1136143	3672478	5.63%	0.409%
99	16.019	2311	2318	2333	rVB3	966955	2910231	4.46%	0.324%
100	16.634	2410	2419	2431	rVB	1679165	3926838	6.02%	0.437%

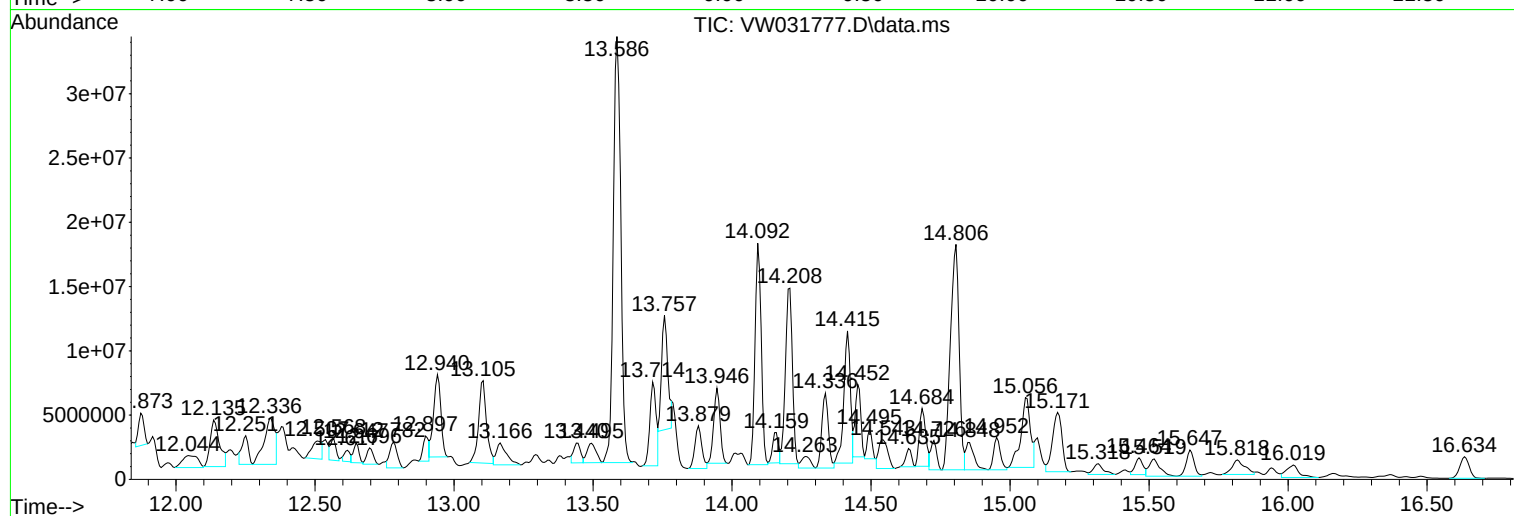
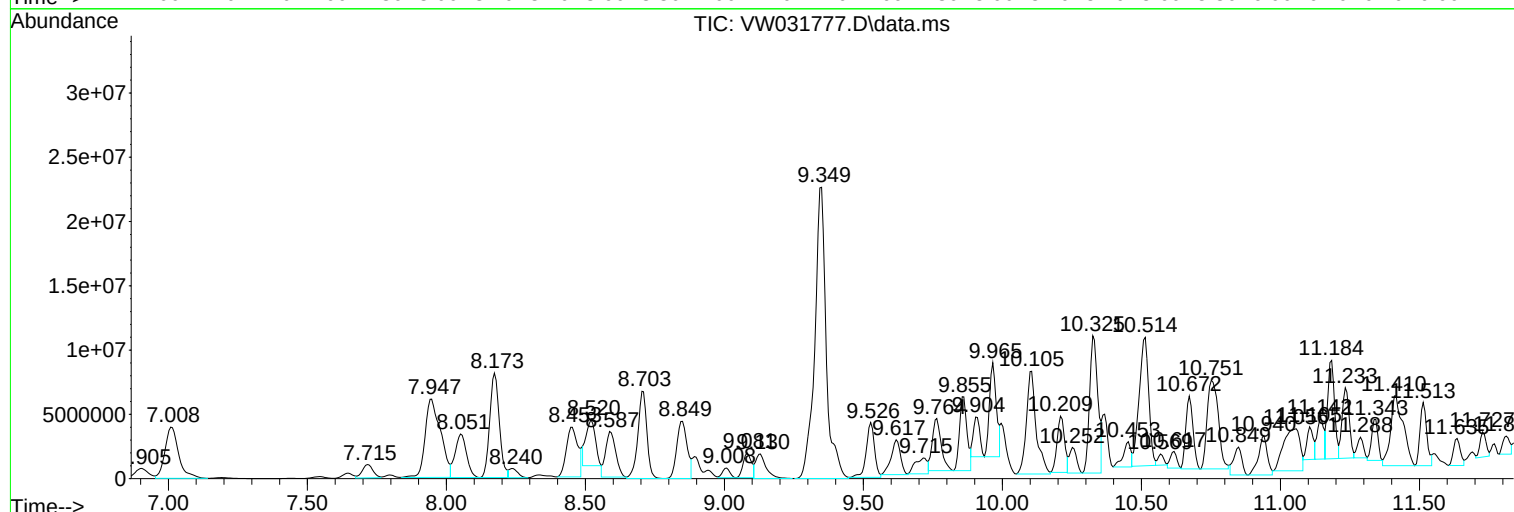
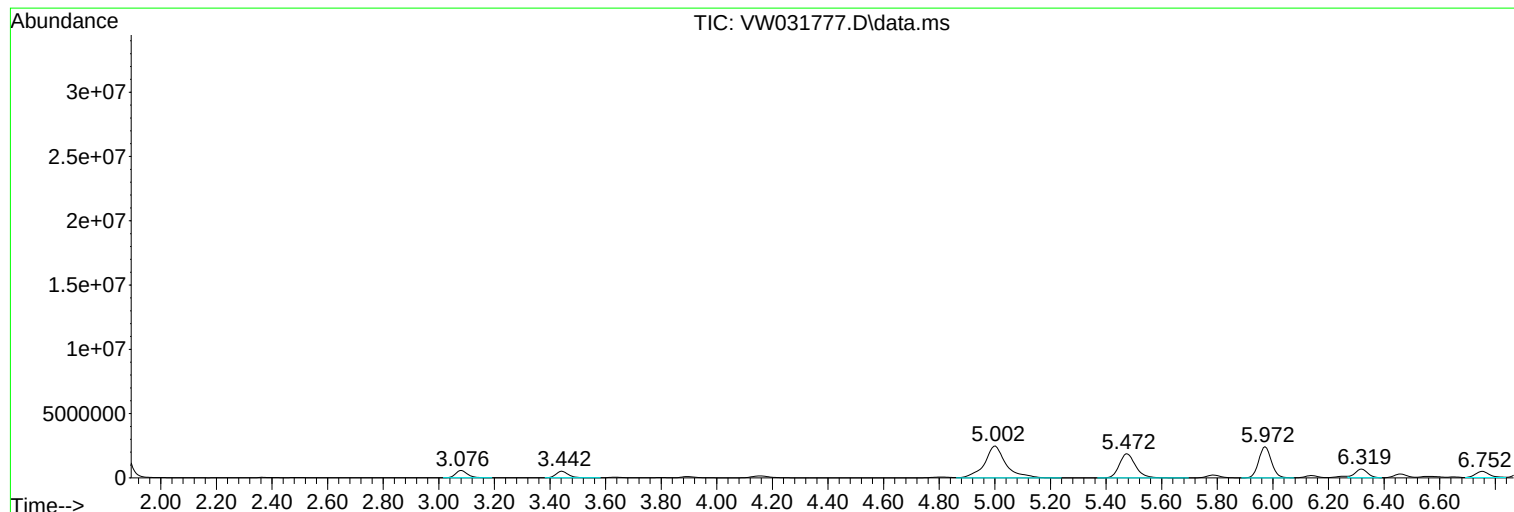
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Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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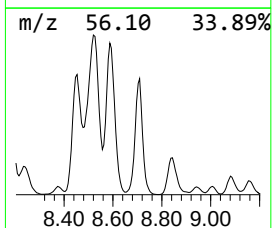
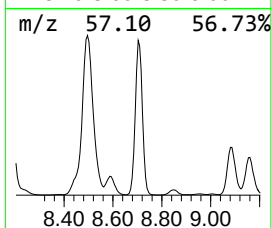
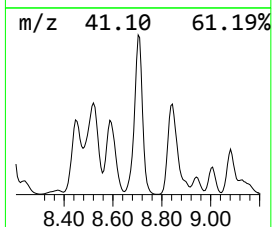
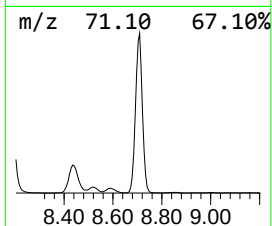
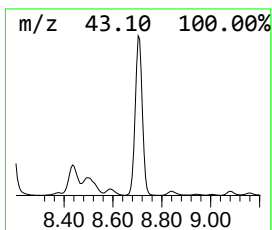
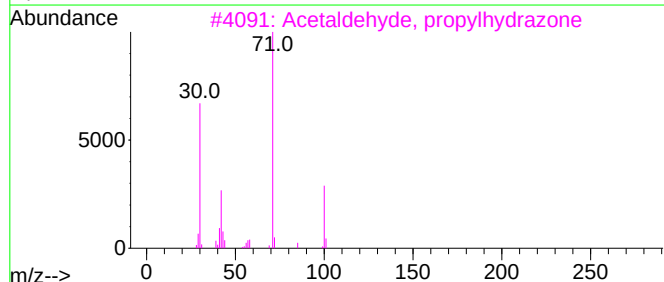
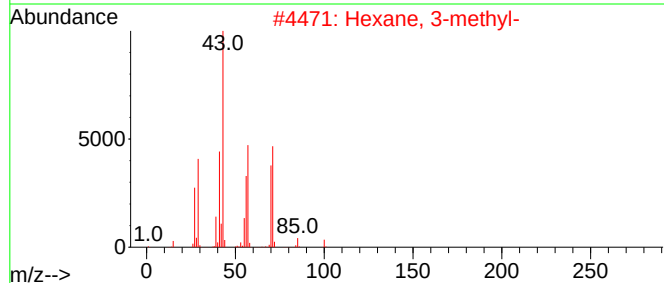
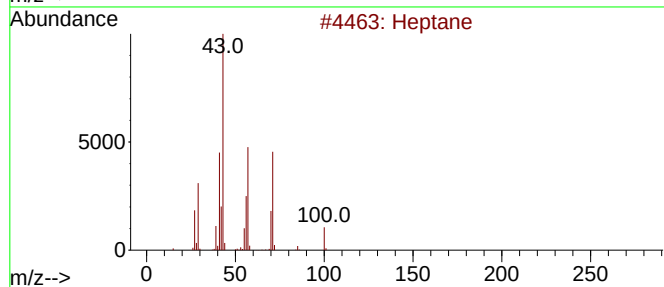
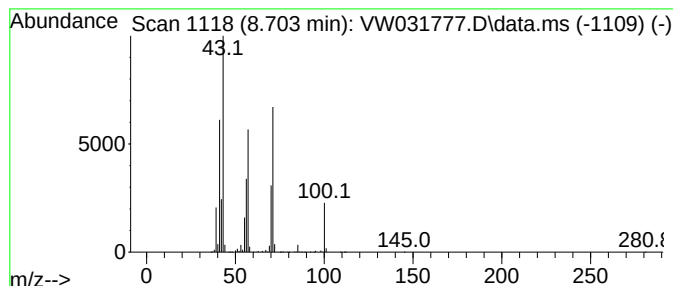
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Heptane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.703	65.41 ug/l	15246900	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	91
2			Hexane, 3-methyl-	100	C7H16	000589-34-4	50
3			Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	47
4			3-Hexanone	100	C6H12O	000589-38-8	43
5			Pentane, 2-methyl-	86	C6H14	000107-83-5	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX7

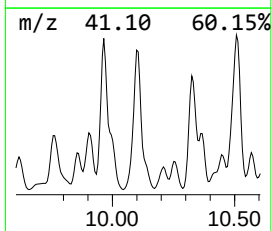
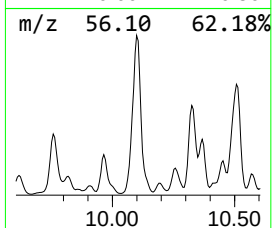
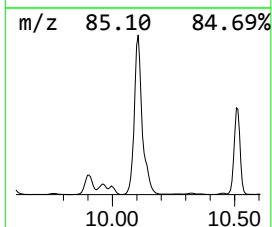
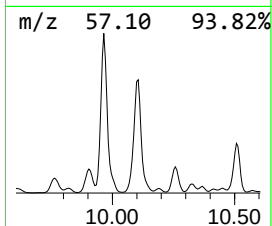
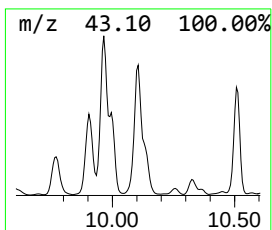
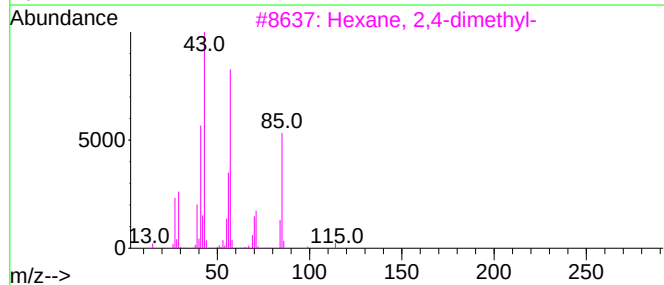
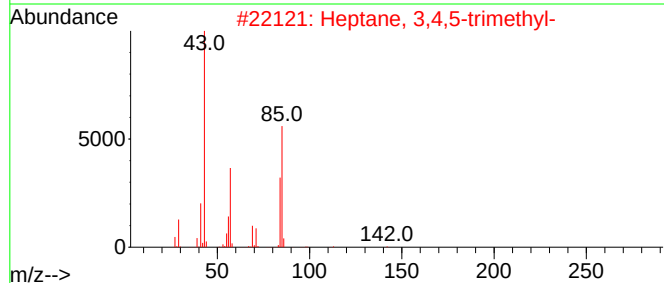
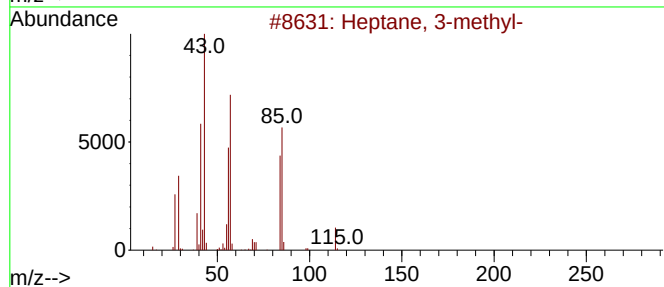
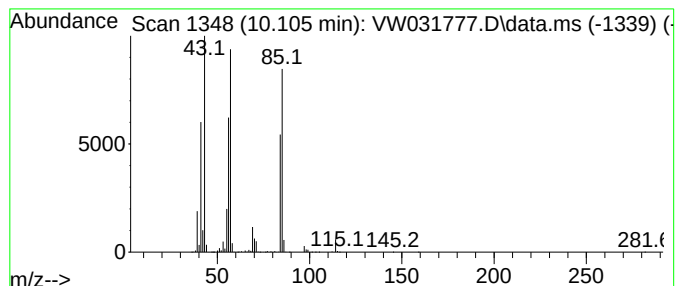
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heptane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.105	84.39 ug/l	19670700	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	94
2			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4			Hexane, 2-methyl-	100	C7H16	000591-76-4	59
5			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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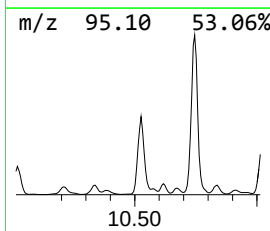
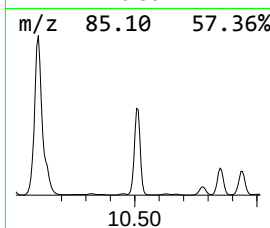
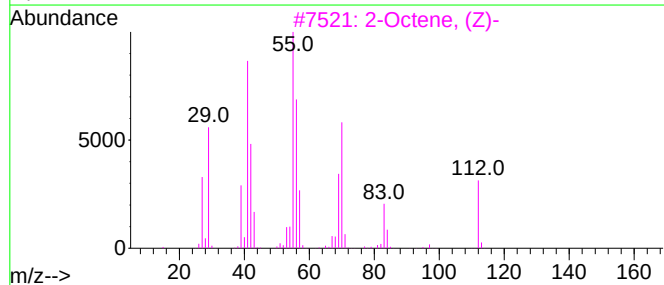
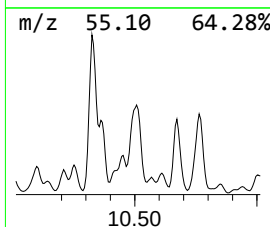
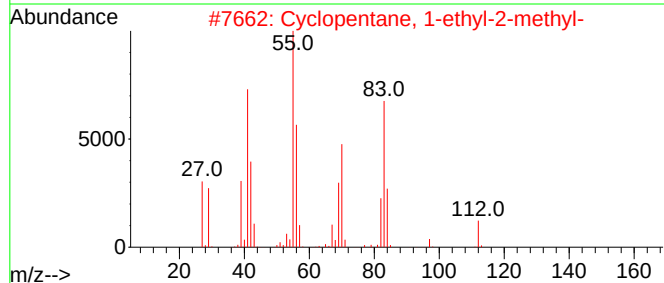
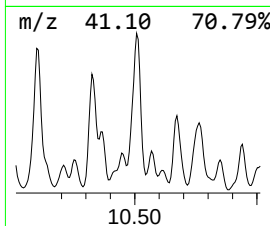
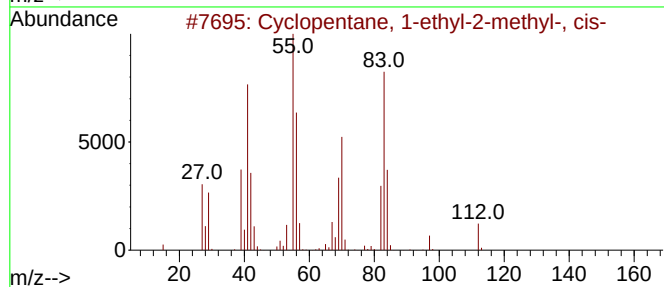
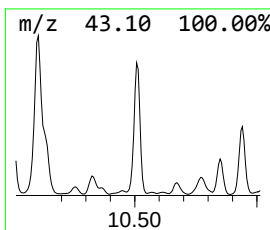
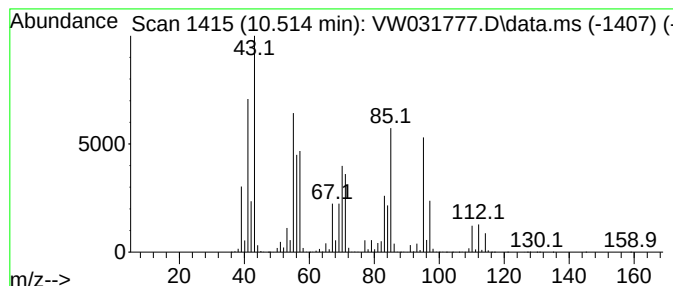
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown10.514 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.514	324.99 ug/l	24063000	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	41
2			Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	38
3			2-Octene, (Z)-	112	C8H16	007642-04-8	38
4			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	35
5			1-Octene	112	C8H16	000111-66-0	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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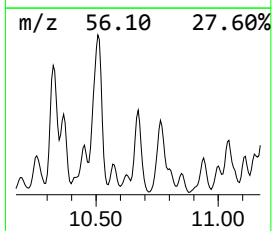
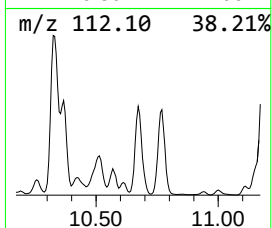
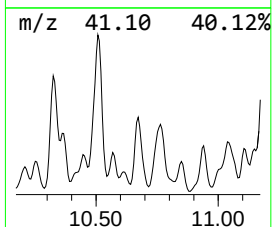
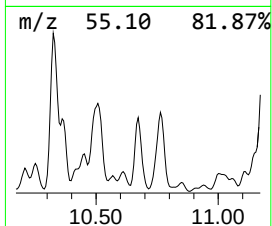
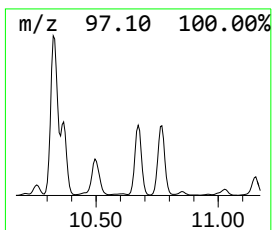
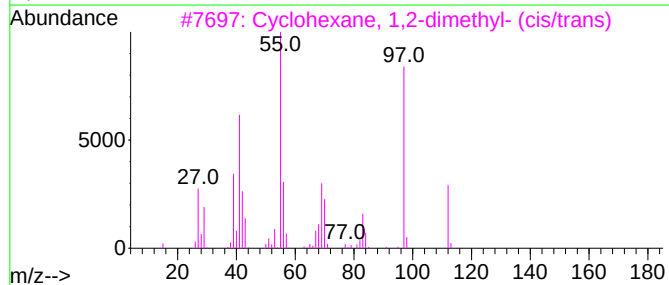
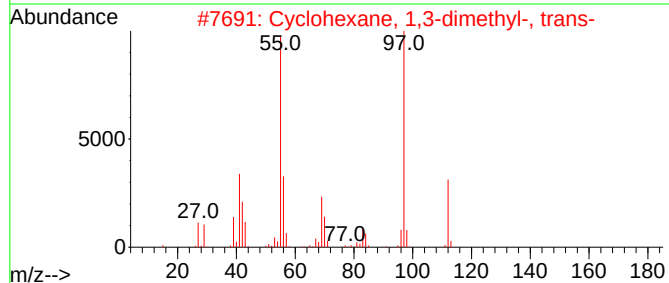
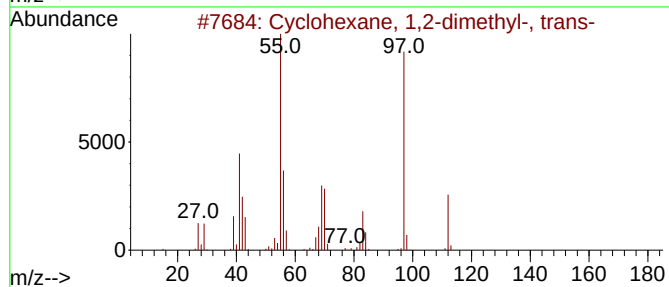
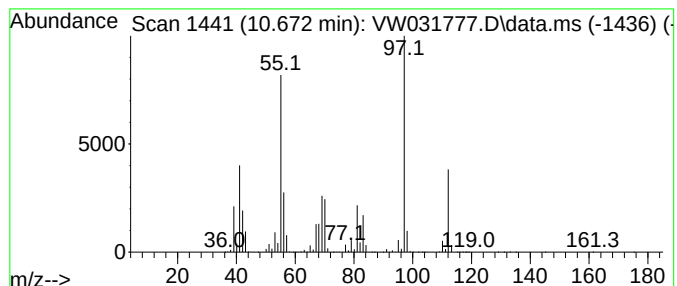
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.672	136.50 ug/l	10106600	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
3			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
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Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

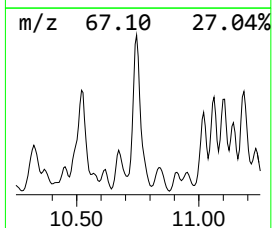
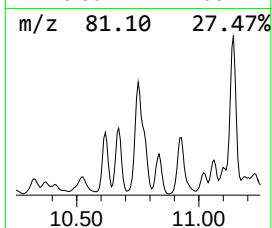
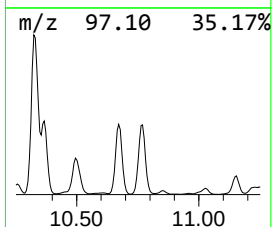
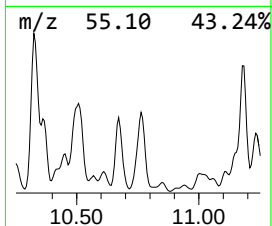
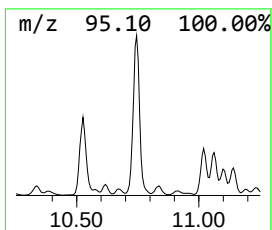
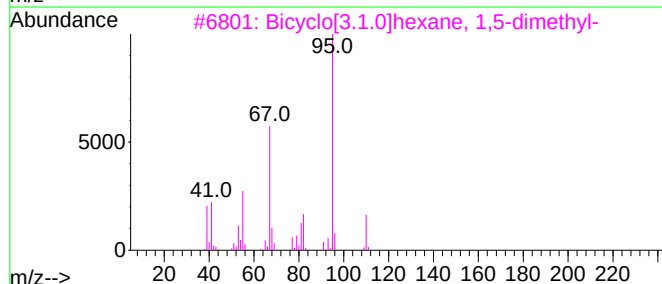
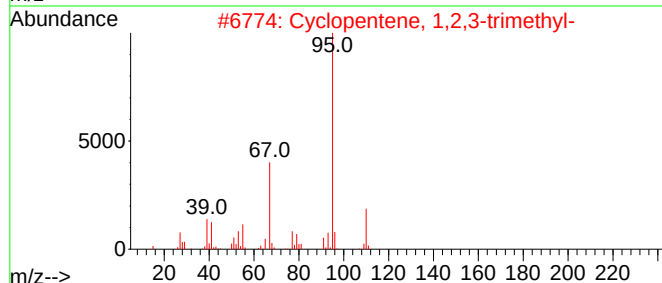
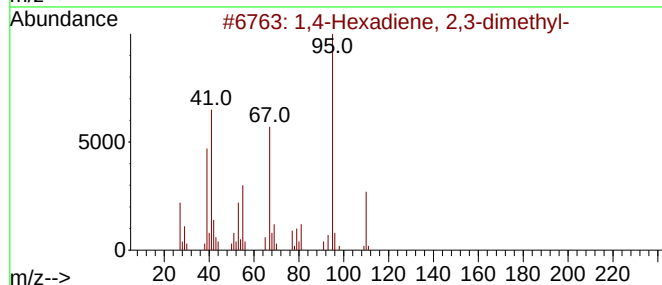
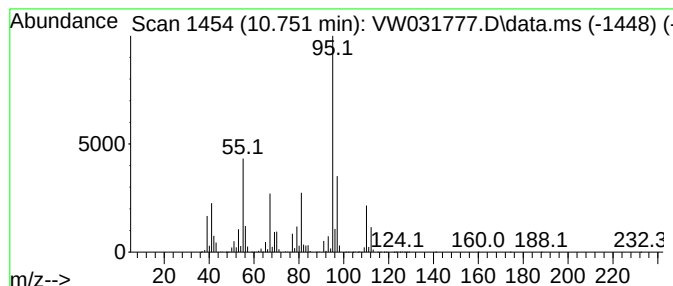
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1,4-Hexadiene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.751	259.41 ug/l	19207400	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	68
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	60
3	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	60
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	58
5	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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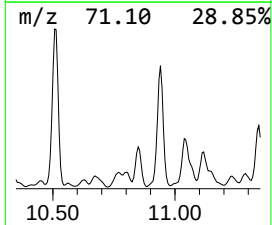
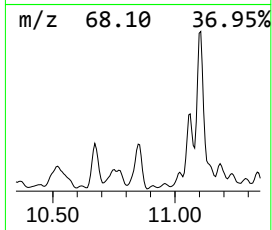
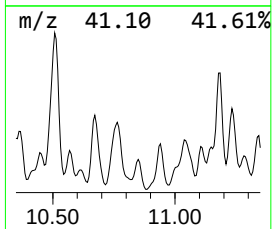
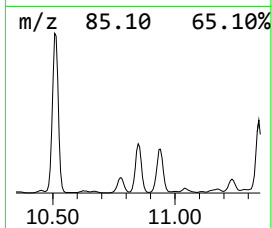
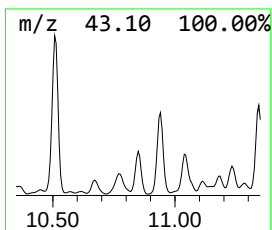
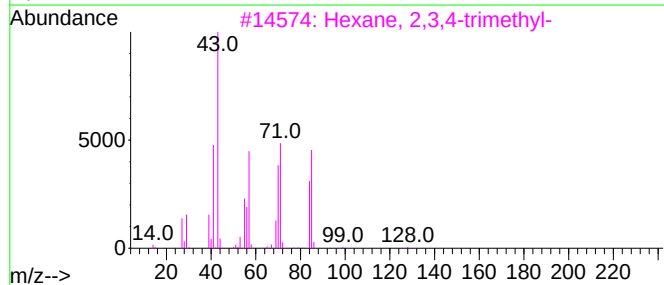
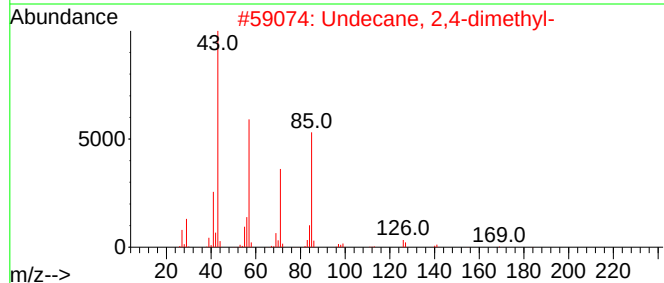
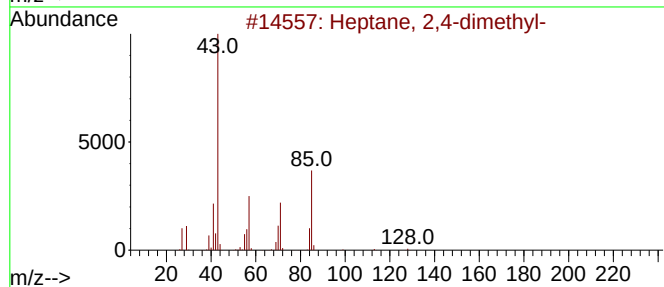
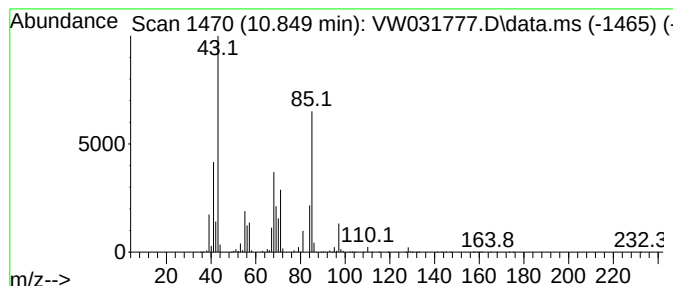
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown10.849 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.849	58.48 ug/l	4329770	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
2		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	38
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38
4		Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	38
5		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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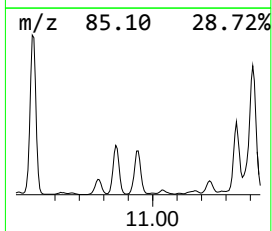
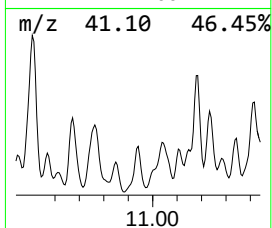
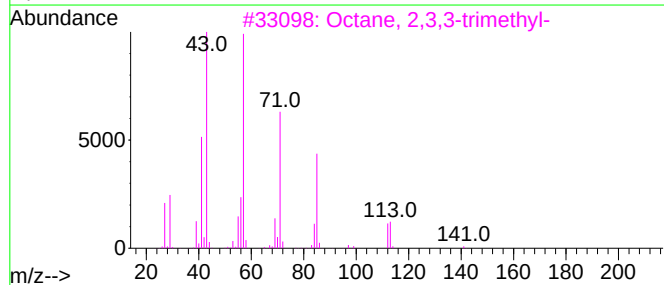
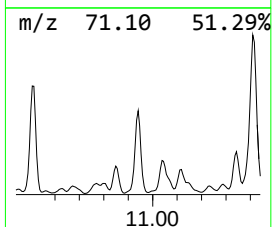
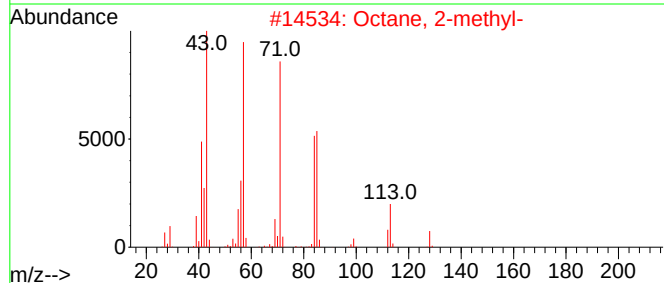
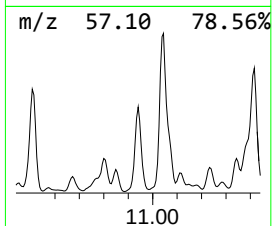
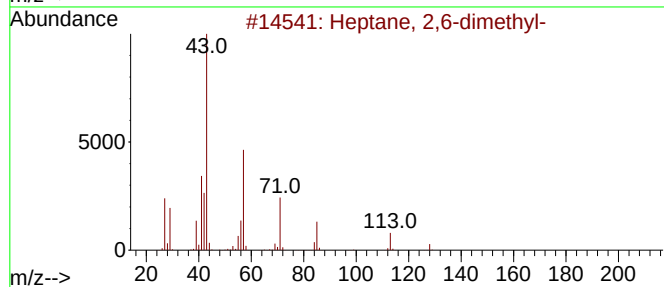
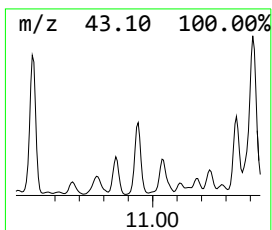
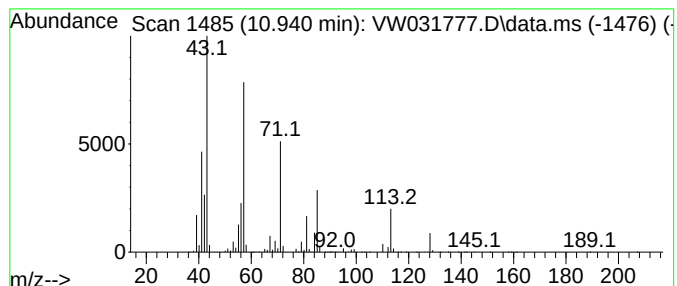
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Heptane, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.940	91.85 ug/l	6800530	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	94
2			Octane, 2-methyl-	128	C9H20	003221-61-2	72
3			Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	53
4			Nonane	128	C9H20	000111-84-2	52
5			Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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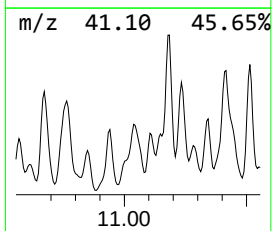
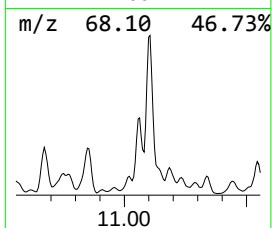
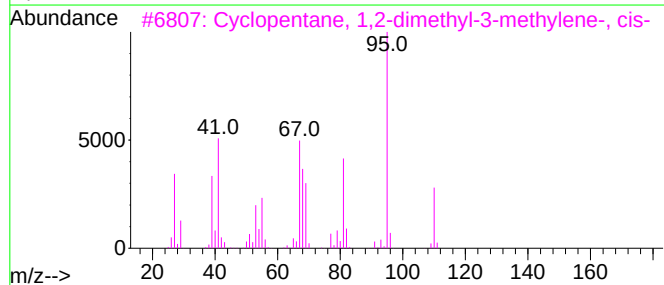
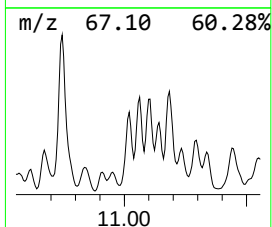
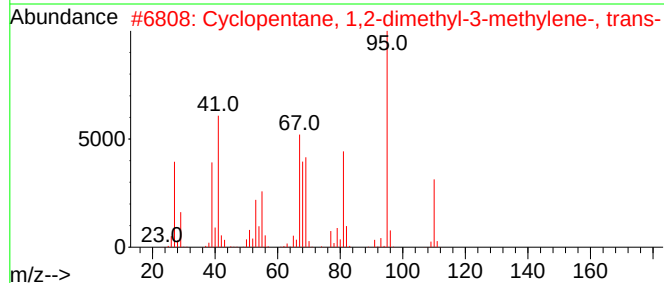
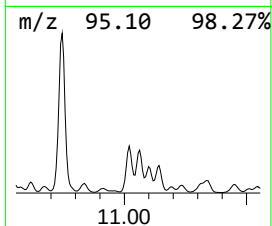
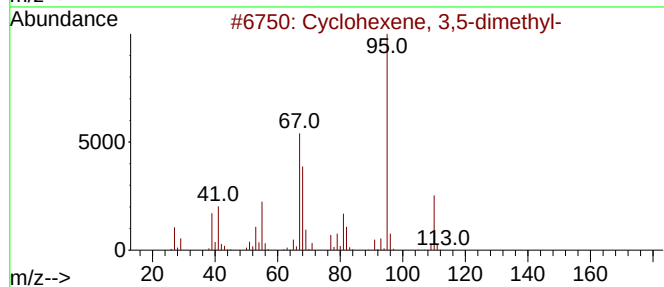
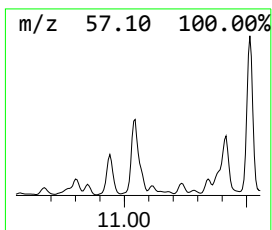
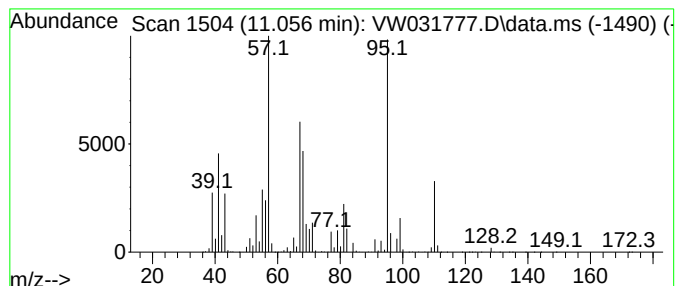
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Cyclohexene, 3,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.056	183.59 ug/l	13593900	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	94
2			Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	1000150-99-3	64
3			Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	64
4			trans-3,5-Dimethylcyclohexene	110	C8H14	056021-63-7	64
5			Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX7

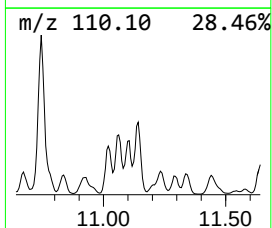
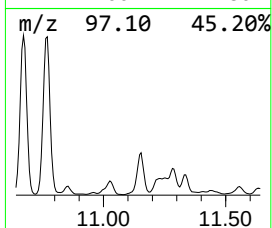
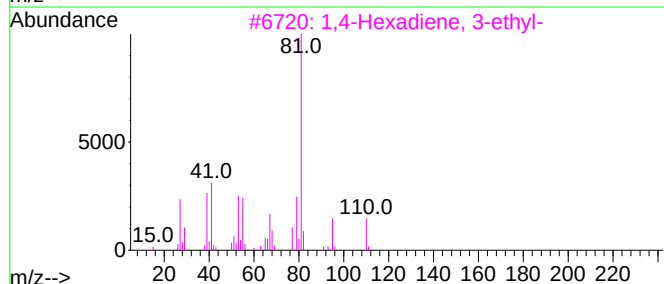
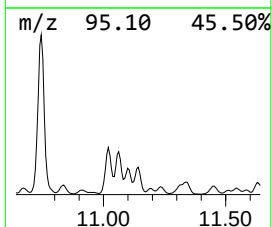
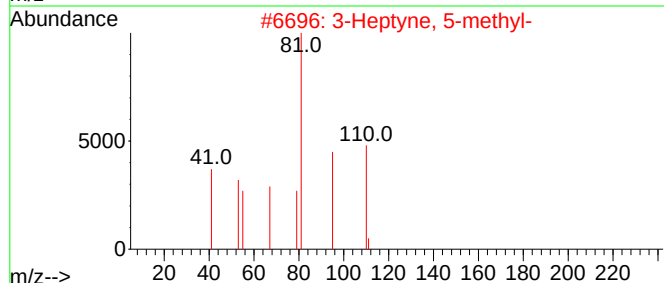
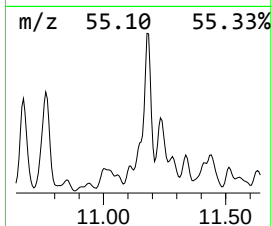
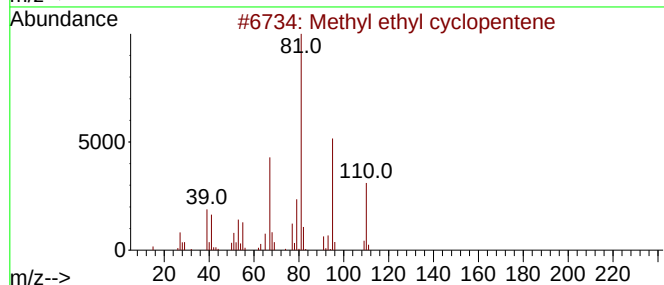
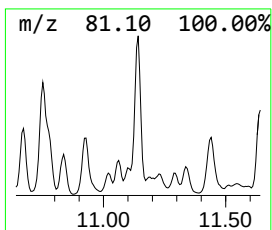
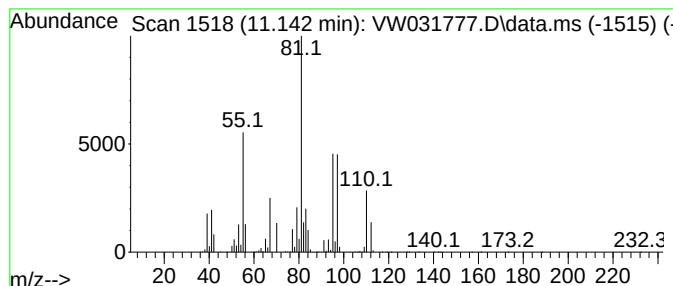
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Methyl ethyl cyclopentene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.142	73.57 ug/l	5447610	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methyl ethyl cyclopentene	110	C8H14	019780-56-4	60
2			3-Heptyne, 5-methyl-	110	C8H14	061228-09-9	47
3			1,4-Hexadiene, 3-ethyl-	110	C8H14	002080-89-9	43
4			4-Ethylcyclohexene	110	C8H14	003742-42-5	38
5			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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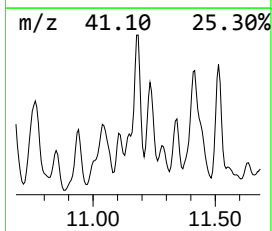
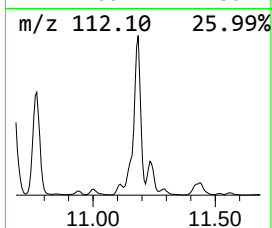
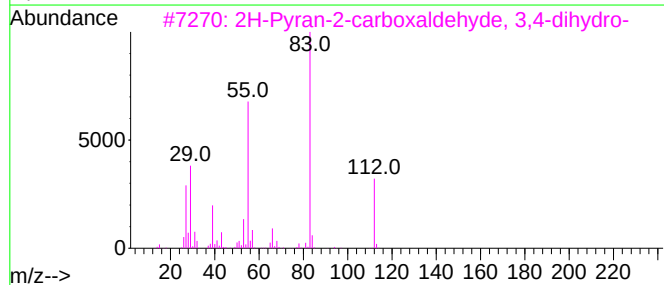
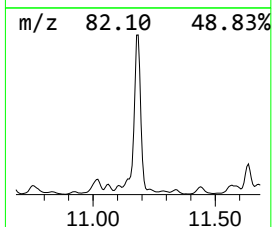
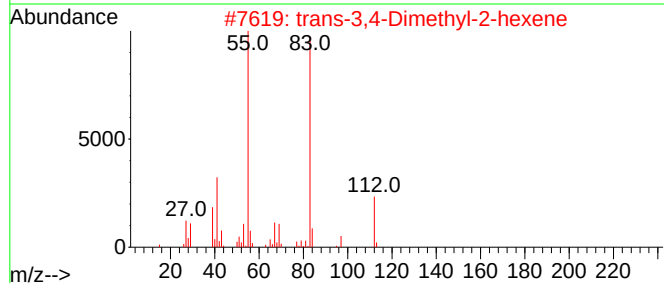
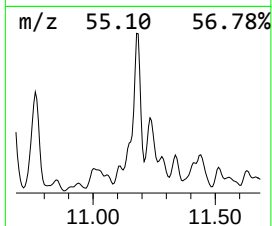
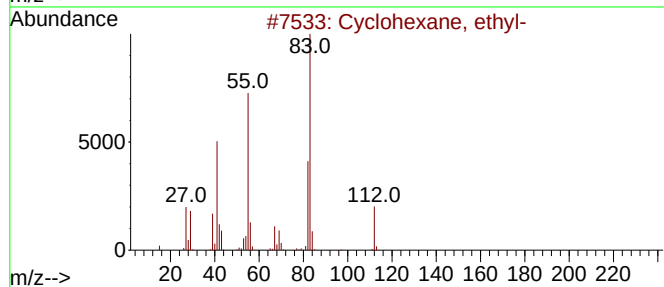
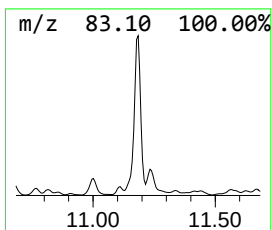
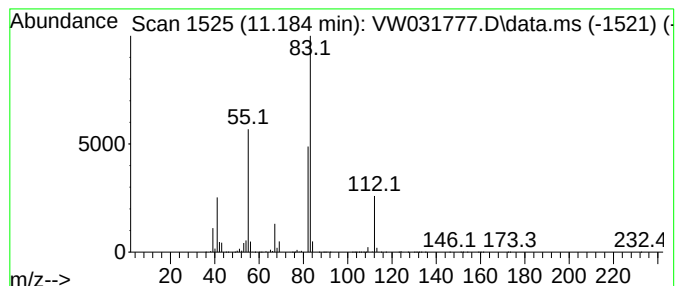
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Cyclohexane, ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.184	176.13 ug/l	13041500	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
2			trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	53
3			2H-Pyran-2-carboxaldehyde, 3,4-d...	112	C6H8O2	000100-73-2	50
4			1-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-66-6	50
5			2H-Pyran-2-carboxaldehyde, 5,6-d...	112	C6H8O2	053897-26-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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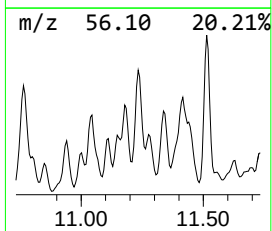
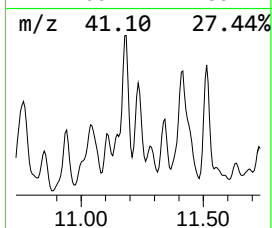
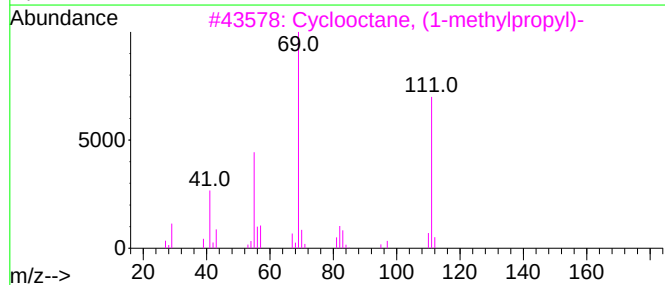
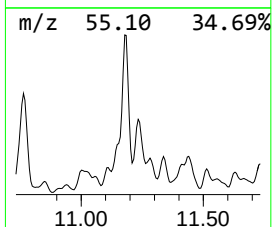
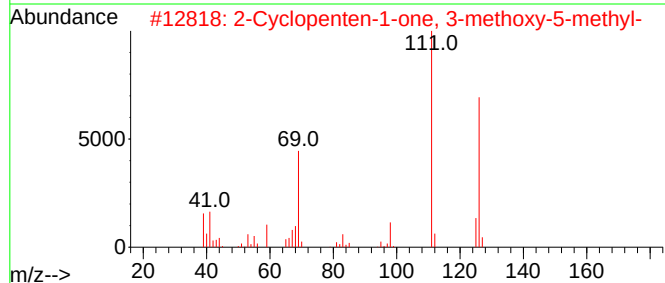
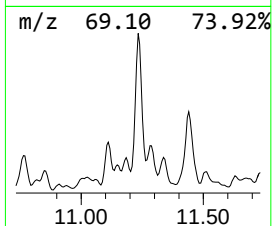
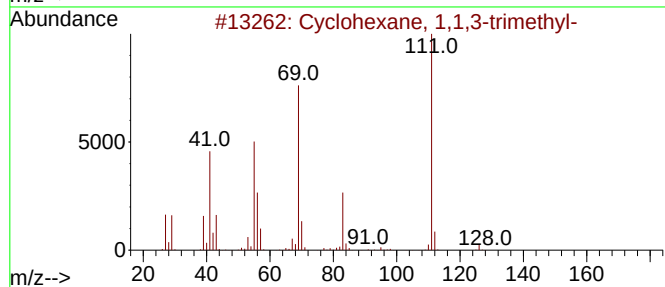
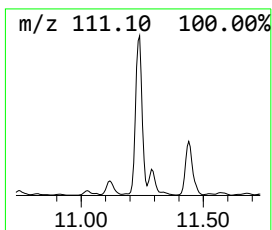
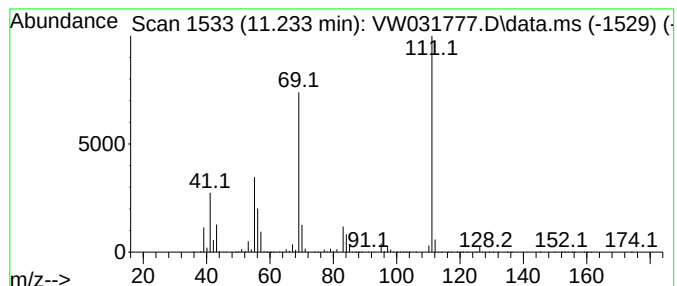
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	131.03 ug/l	9702040	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2			2-Cyclopenten-1-one, 3-methoxy-5...	126	C7H10O2	007180-60-1	64
3			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	50
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
5			3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

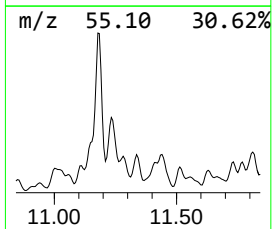
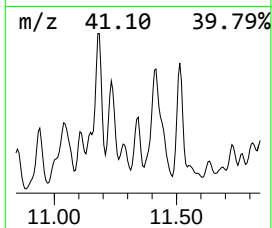
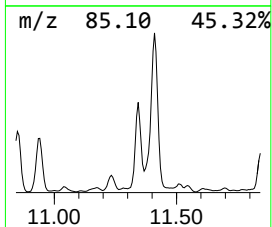
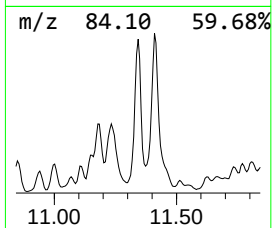
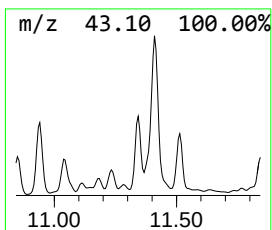
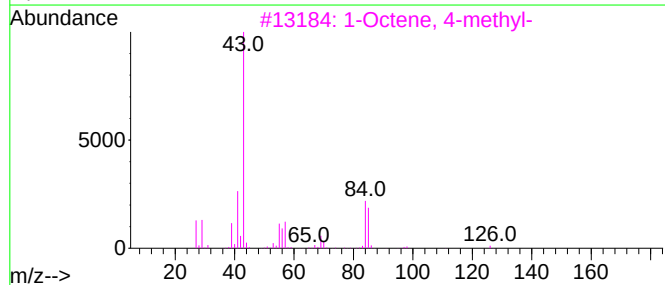
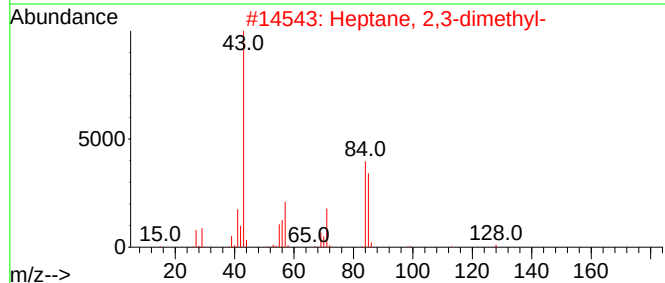
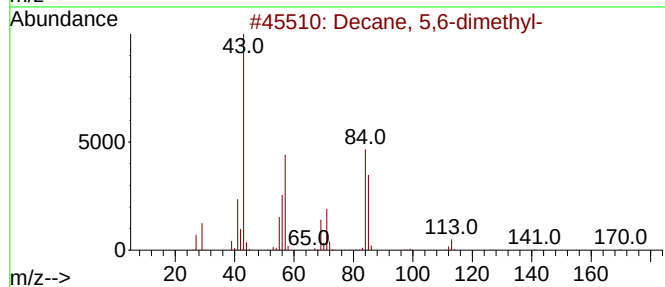
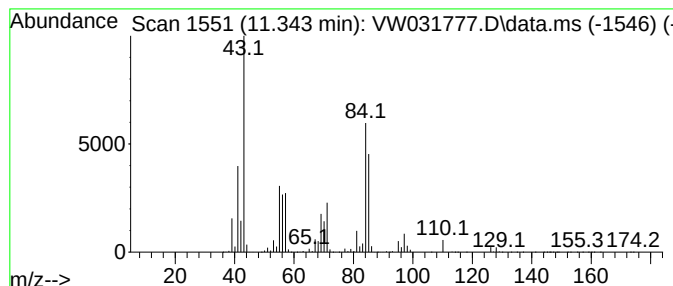
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Decane, 5,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.343	67.88 ug/l	5025820	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	64
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
3	1-Octene, 4-methyl-	126	C9H18	013151-12-7	49
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	46
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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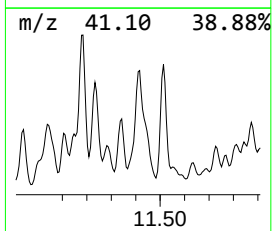
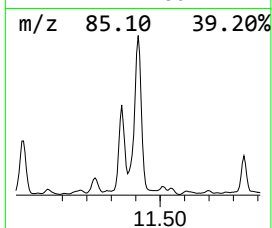
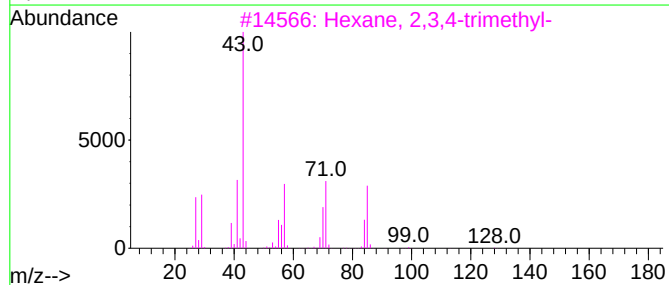
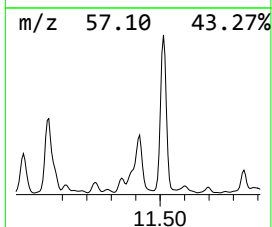
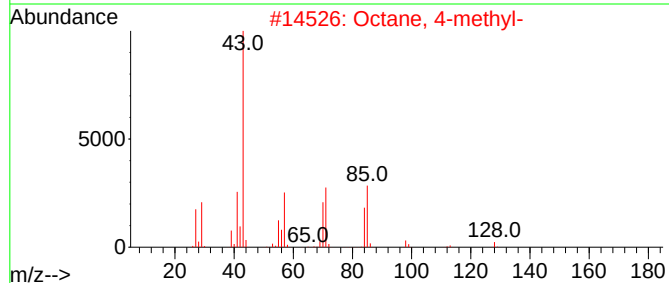
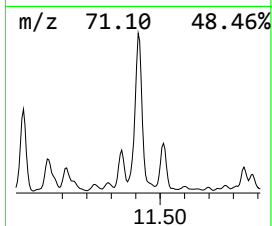
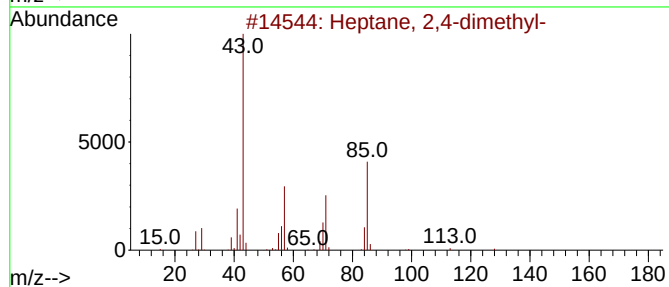
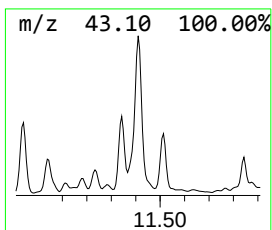
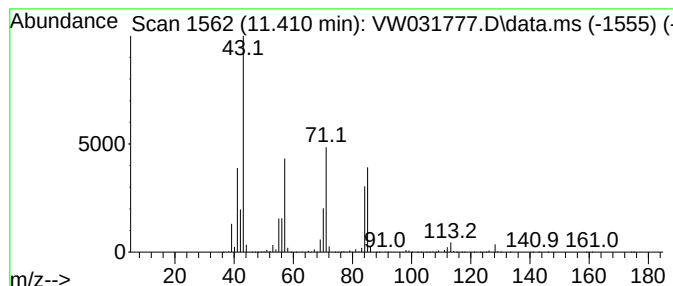
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heptane, 2,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.410	231.58 ug/l	17147200	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
2		Octane, 4-methyl-	128	C9H20	002216-34-4	68
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4		Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
5		Octane	114	C8H18	000111-65-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX7

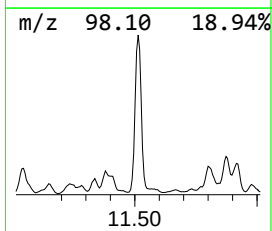
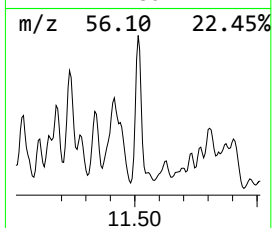
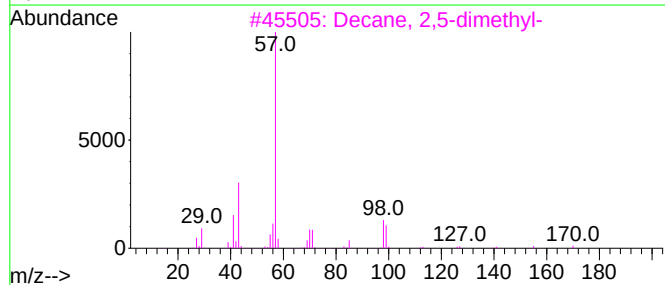
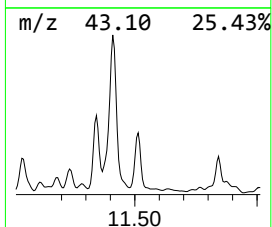
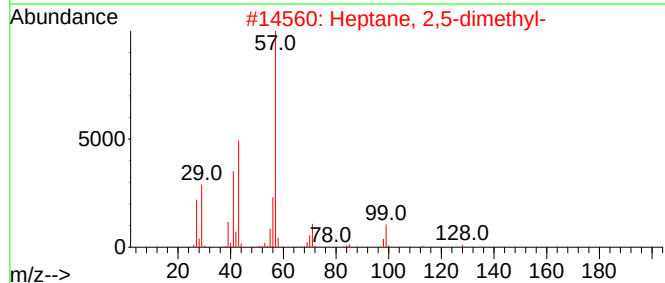
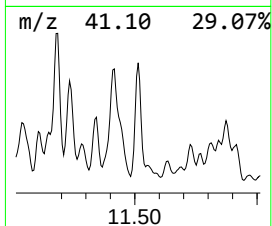
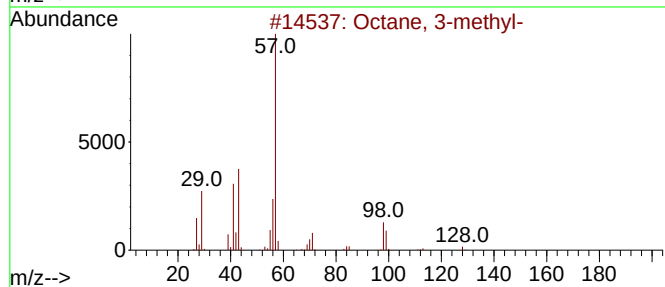
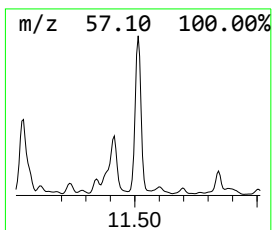
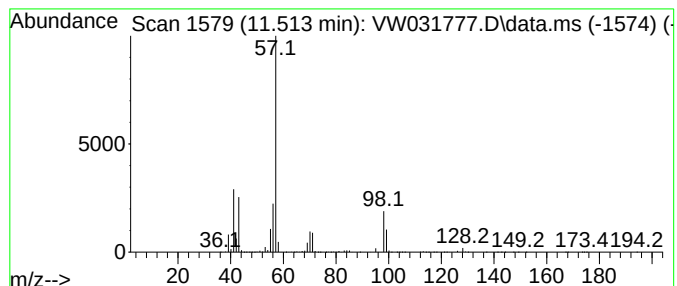
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Octane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.514	113.45 ug/l	8399970	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3-methyl-	128	C9H20	002216-33-3	91
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
3			Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	64
4			Undecane, 6-methyl-	170	C12H26	017302-33-9	59
5			Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX7

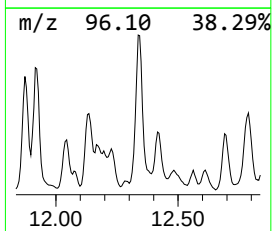
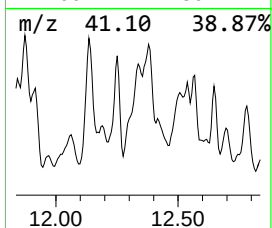
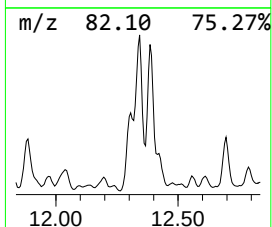
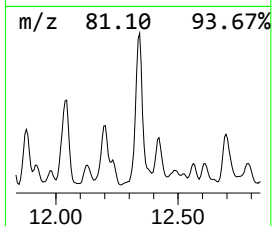
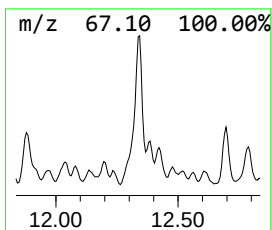
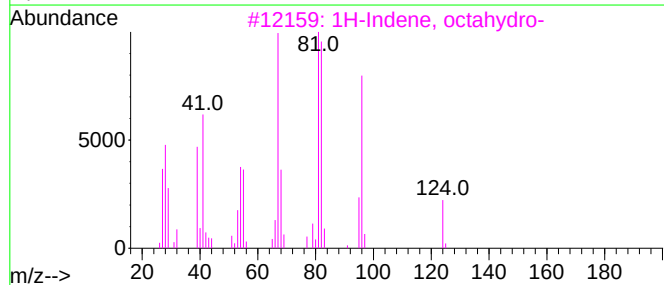
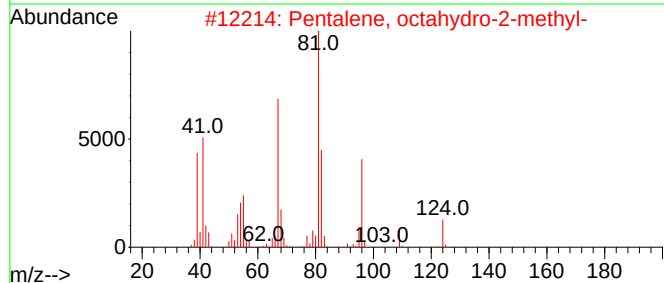
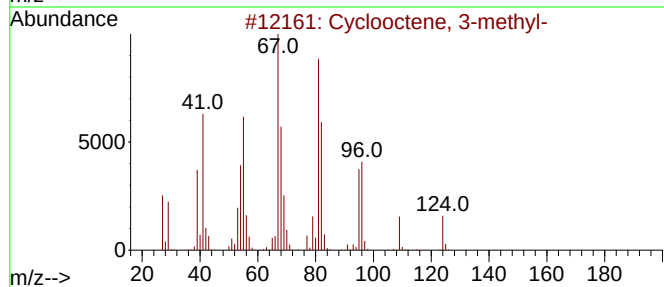
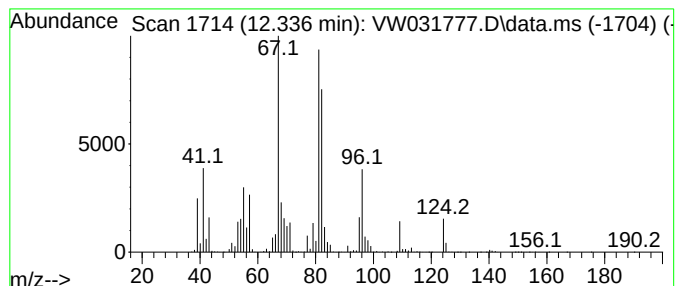
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclooctene, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.336	136.31 ug/l	10092800	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	87
2		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	64
3		1H-Indene, octahydro-	124	C9H16	000496-10-6	58
4		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	53
5		Cyclohexane, ethenyl-	110	C8H14	000695-12-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031777.D
Acq On : 09 Jul 2025 15:40
Operator : SY/MD
Sample : Q2480-07
Misc : 8.69g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GPX7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Heptane	8.703	65.4	ug/l	15246900	2	8.855	11655200	50.0
Heptane, 3-methyl-	10.105	84.4	ug/l	19670700	2	8.855	11655200	50.0
unknown10.514	10.514	325.0	ug/l	24063000	3	11.629	3702160	50.0
Cyclohexane, 1,...	10.672	136.5	ug/l	10106600	3	11.629	3702160	50.0
1,4-Hexadiene, ...	10.751	259.4	ug/l	19207400	3	11.629	3702160	50.0
unknown10.849	10.849	58.5	ug/l	4329770	3	11.629	3702160	50.0
Heptane, 2,6-di...	10.940	91.8	ug/l	6800530	3	11.629	3702160	50.0
Cyclohexene, 3,...	11.056	183.6	ug/l	13593900	3	11.629	3702160	50.0
Methyl ethyl cy...	11.142	73.6	ug/l	5447610	3	11.629	3702160	50.0
Cyclohexane, et...	11.184	176.1	ug/l	13041500	3	11.629	3702160	50.0
Cyclohexane, 1,...	11.233	131.0	ug/l	9702040	3	11.629	3702160	50.0
Decane, 5,6-dim...	11.343	67.9	ug/l	5025820	3	11.629	3702160	50.0
Heptane, 2,4-di...	11.410	231.6	ug/l	17147200	3	11.629	3702160	50.0
Octane, 3-methyl-	11.514	113.5	ug/l	8399970	3	11.629	3702160	50.0
Cyclooctene, 3-...	12.336	136.3	ug/l	10092800	3	11.629	3702160	50.0

Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX7ME		SDG No.:	Q2480	
Lab Sample ID:	Q2480-07ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	87.8	
Sample Wt/Vol:	7.88	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046957.D	10	07/10/25 19:41	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	410	UD	410	1800	ug/Kg
74-87-3	Chloromethane	410	UD	410	1800	ug/Kg
75-01-4	Vinyl Chloride	290	UD	290	1800	ug/Kg
74-83-9	Bromomethane	390	UDQ	390	1800	ug/Kg
75-00-3	Chloroethane	460	UD	460	1800	ug/Kg
75-69-4	Trichlorofluoromethane	440	UD	440	1800	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	380	UD	380	1800	ug/Kg
75-35-4	1,1-Dichloroethene	360	UD	360	1800	ug/Kg
67-64-1	Acetone	1700	UD	1700	9000	ug/Kg
75-15-0	Carbon Disulfide	380	UD	380	1800	ug/Kg
1634-04-4	Methyl tert-butyl Ether	260	UD	260	1800	ug/Kg
79-20-9	Methyl Acetate	560	UD	560	1800	ug/Kg
75-09-2	Methylene Chloride	1300	UD	1300	3600	ug/Kg
156-60-5	trans-1,2-Dichloroethene	310	UD	310	1800	ug/Kg
75-34-3	1,1-Dichloroethane	290	UD	290	1800	ug/Kg
110-82-7	Cyclohexane	4500	D	290	1800	ug/Kg
78-93-3	2-Butanone	2400	UD	2400	9000	ug/Kg
56-23-5	Carbon Tetrachloride	350	UD	350	1800	ug/Kg
156-59-2	cis-1,2-Dichloroethene	270	UD	270	1800	ug/Kg
74-97-5	Bromochloromethane	420	UD	420	1800	ug/Kg
67-66-3	Chloroform	300	UD	300	1800	ug/Kg
71-55-6	1,1,1-Trichloroethane	340	UD	340	1800	ug/Kg
108-87-2	Methylcyclohexane	14900	D	330	1800	ug/Kg
71-43-2	Benzene	290	UD	290	1800	ug/Kg
107-06-2	1,2-Dichloroethane	290	UD	290	1800	ug/Kg
79-01-6	Trichloroethene	290	UD	290	1800	ug/Kg
78-87-5	1,2-Dichloropropane	330	UD	330	1800	ug/Kg
75-27-4	Bromodichloromethane	280	UD	280	1800	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1300	UD	1300	9000	ug/Kg
108-88-3	Toluene	280	UD	280	1800	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX7ME	SDG No.:	Q2480
Lab Sample ID:	Q2480-07ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.8
Sample Wt/Vol:	7.88 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046957.D	10	07/10/25 19:41	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	230	UD	230	1800	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	220	UD	220	1800	ug/Kg
79-00-5	1,1,2-Trichloroethane	330	UD	330	1800	ug/Kg
591-78-6	2-Hexanone	1300	UD	1300	9000	ug/Kg
124-48-1	Dibromochloromethane	310	UD	310	1800	ug/Kg
106-93-4	1,2-Dibromoethane	320	UD	320	1800	ug/Kg
127-18-4	Tetrachloroethene	380	UD	380	1800	ug/Kg
108-90-7	Chlorobenzene	330	UD	330	1800	ug/Kg
100-41-4	Ethyl Benzene	11100	D	240	1800	ug/Kg
179601-23-1	m/p-Xylenes	3600	D	450	3600	ug/Kg
95-47-6	o-Xylene	300	UD	300	1800	ug/Kg
100-42-5	Styrene	260	UD	260	1800	ug/Kg
75-25-2	Bromoform	310	UD	310	1800	ug/Kg
98-82-8	Isopropylbenzene	2500	D	280	1800	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	440	UD	440	1800	ug/Kg
541-73-1	1,3-Dichlorobenzene	620	UD	620	1800	ug/Kg
106-46-7	1,4-Dichlorobenzene	560	UD	560	1800	ug/Kg
95-50-1	1,2-Dichlorobenzene	520	UD	520	1800	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	660	UD	660	1800	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100	UD	1100	1800	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1100	UD	1100	1800	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		17 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	5.562			
540-36-3	1,4-Difluorobenzene	446000	6.769			
3114-55-4	Chlorobenzene-d5	406000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	201000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX7ME	SDG No.:	Q2480
Lab Sample ID:	Q2480-07ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.8
Sample Wt/Vol:	7.88 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046957.D	10	07/10/25 19:41	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046957.D
 Acq On : 10 Jul 2025 19:41
 Operator : JC/MD
 Sample : Q2480-07ME 10X
 Misc : 7.88g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GPX7ME

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:38:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	249557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	445780	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	406077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	201295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	175050	53.095	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.200%			
35) Dibromofluoromethane	5.397	113	145159	47.971	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.940%			
50) Toluene-d8	8.653	98	533493	49.970	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.940%			
62) 4-Bromofluorobenzene	11.079	95	204209	50.328	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.660%			
Target Compounds						
					Qvalue	
20) Methylene Chloride	2.806	84	3627	1.198	ug/l	90
31) Cyclohexane	5.507	56	58210	12.352	ug/l #	62
39) Methylcyclohexane	7.385	83	210127	41.145	ug/l	96
67) Ethyl Benzene	10.195	91	462128	30.736	ug/l	100
68) m/p-Xylenes	10.305	106	55922	9.871	ug/l	99
73) Isopropylbenzene	10.963	105	95991	6.784	ug/l	99
78) n-propylbenzene	11.305	91	328485	19.252	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	112636	9.796	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	503498	43.324	ug/l	96
85) sec-Butylbenzene	11.890	105	44919	3.000	ug/l	94
86) p-Isopropyltoluene	12.006	119	24833	1.981	ug/l	92
89) n-Butylbenzene	12.329	91	88954m	7.550	ug/l	
95) Naphthalene	13.774	128	261095	22.832	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

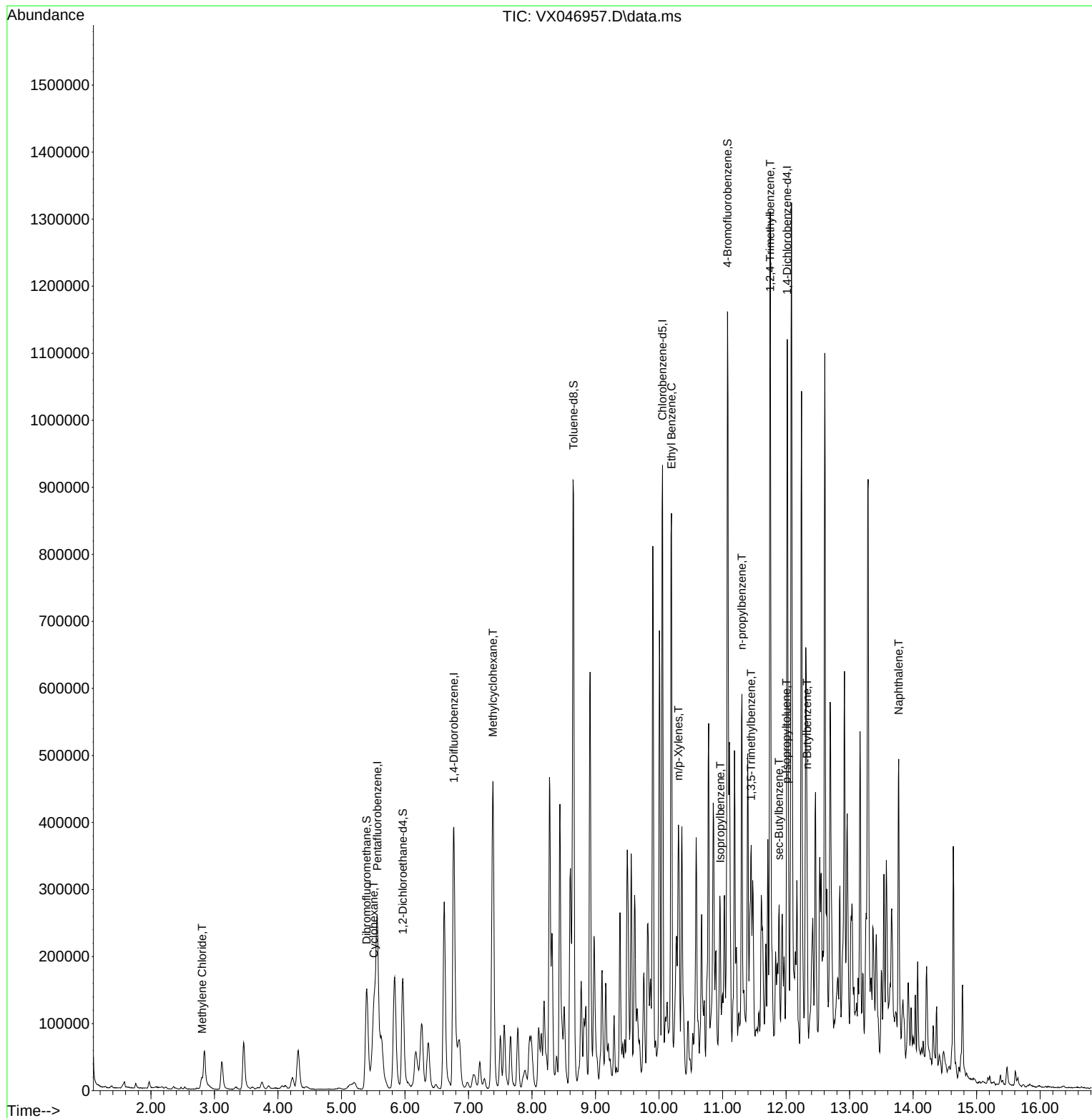
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Acq On : 10 Jul 2025 19:41
Operator : JC/MD
Sample : Q2480-07ME 10X
Misc : 7.88g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 26 Sample Multiplier: 1

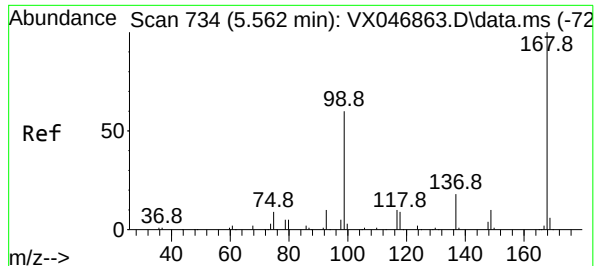
Instrument :
MSVOA_X
ClientSampleId :
GPX7ME

Quant Time: Jul 11 01:38:43 2025
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Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

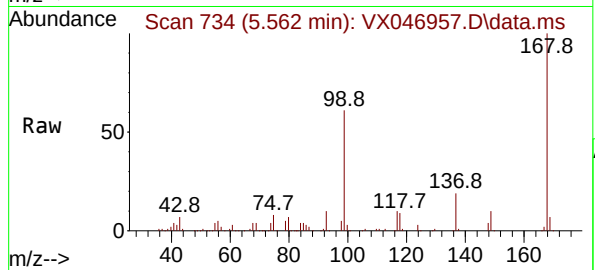
Reviewed By : John Carlone 07/11/2025
Supervised By : Mahesh Dadoda 07/14/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046957.D
Acq: 10 Jul 2025 19:41

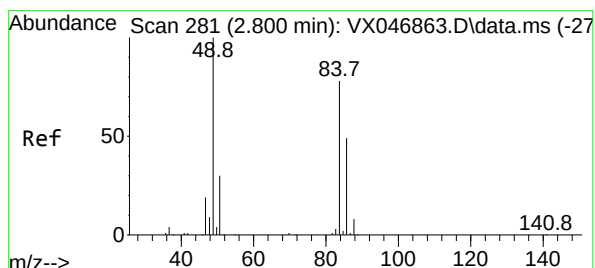
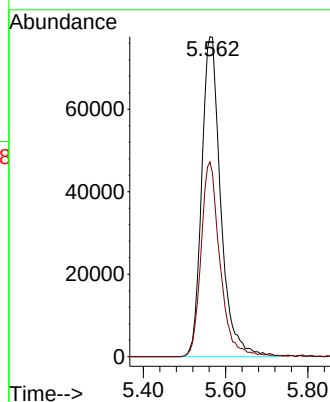
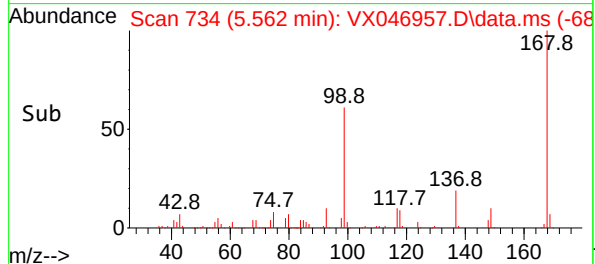
Instrument :
MSVOA_X
ClientSampleId :
GPX7ME



Tgt Ion:168 Resp: 24955
Ion Ratio Lower Upper
168 100
99 60.9 48.8 73.2

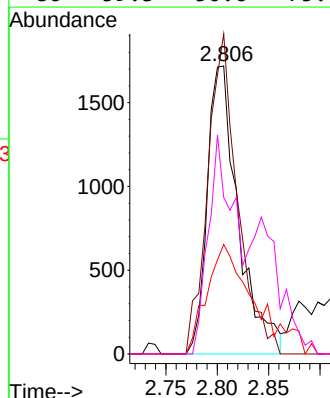
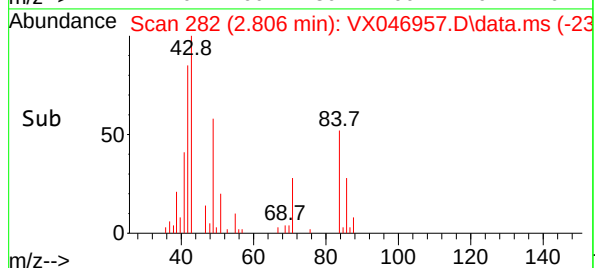
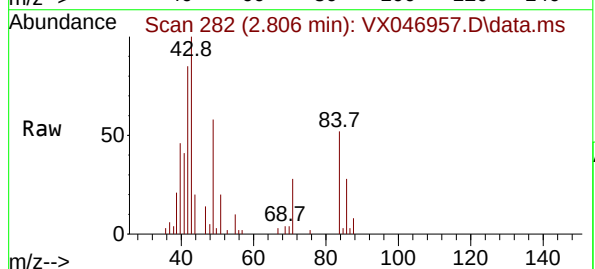
Manual Integrations
APPROVED

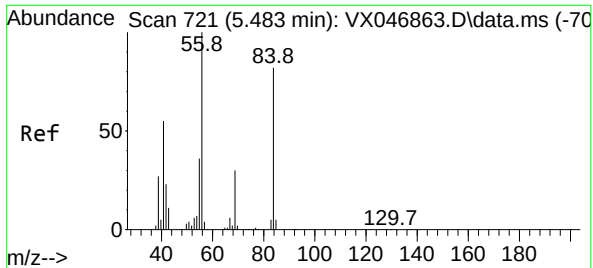
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#20
Methylene Chloride
Concen: 1.198 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046957.D
Acq: 10 Jul 2025 19:41

Tgt Ion: 84 Resp: 3627
Ion Ratio Lower Upper
84 100
49 111.1 102.8 154.2
51 38.0 31.1 46.7
86 59.3 50.6 75.8





#31

Cyclohexane

Concen: 12.352 ug/l

RT: 5.507 min Scan# 70

Delta R.T. 0.024 min

Lab File: VX046957.D

Acq: 10 Jul 2025 19:41

Instrument :

MSVOA_X

ClientSampleId :

GPX7ME

Tgt Ion: 56 Resp: 58210

Ion Ratio Lower Upper

56 100

69 11.5 24.0 36.0

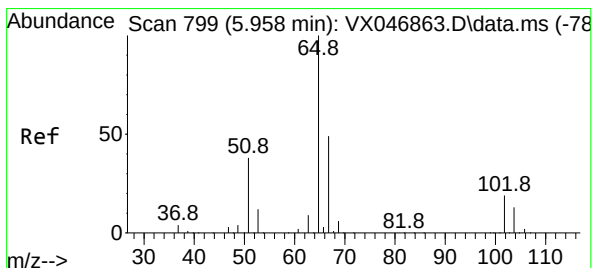
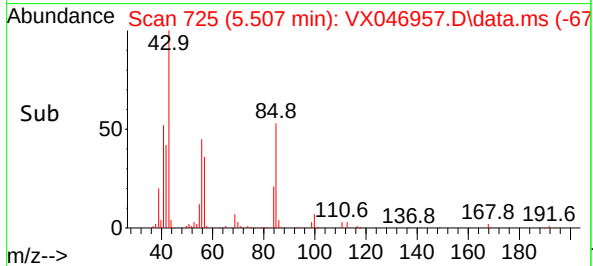
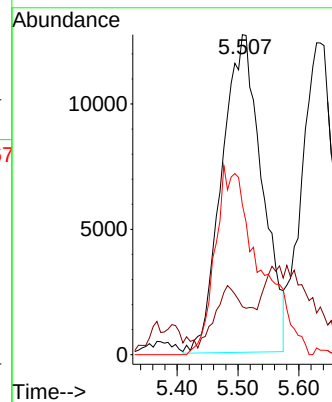
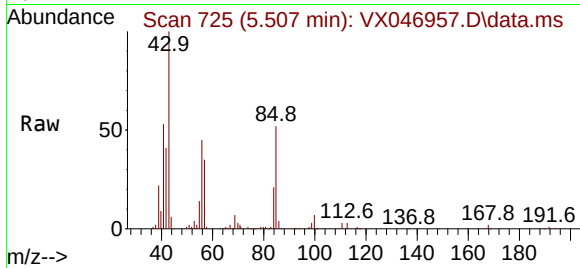
84 47.2 66.5 99.7

Manual Integrations

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Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#33

1,2-Dichloroethane-d4

Concen: 53.095 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046957.D

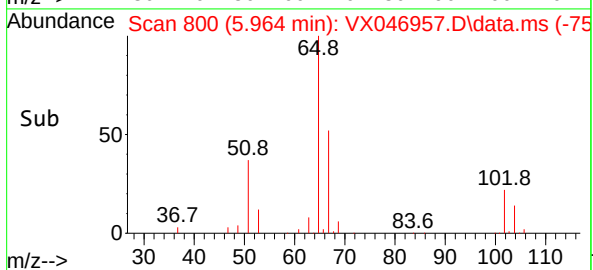
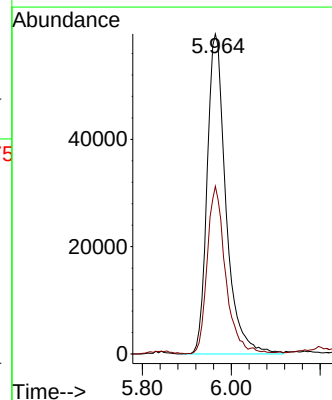
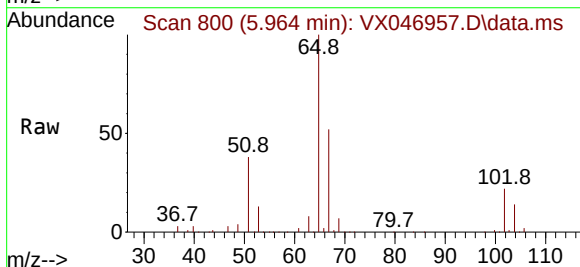
Acq: 10 Jul 2025 19:41

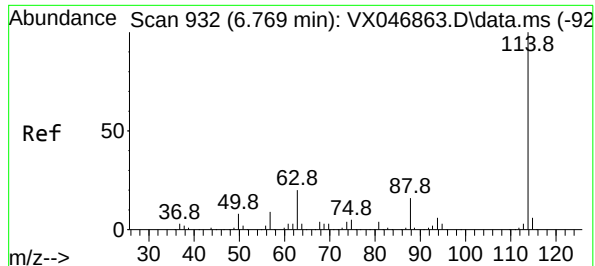
Tgt Ion: 65 Resp: 175050

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046957.D

Acq: 10 Jul 2025 19:41

Instrument :

MSVOA_X

ClientSampleId :

GPX7ME

Tgt Ion:114 Resp: 445780

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.4

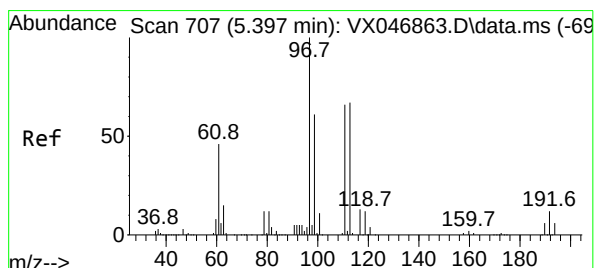
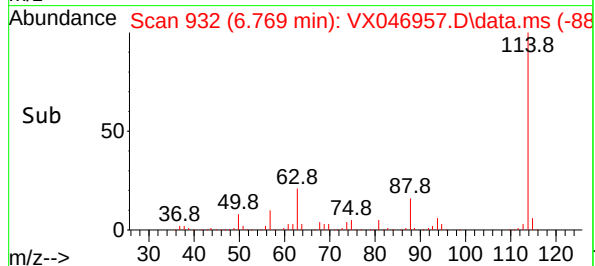
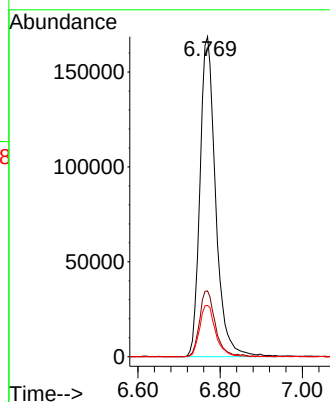
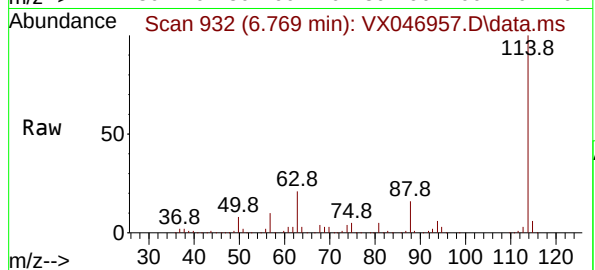
88 16.0 0.0 31.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#35

Dibromofluoromethane

Concen: 47.971 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046957.D

Acq: 10 Jul 2025 19:41

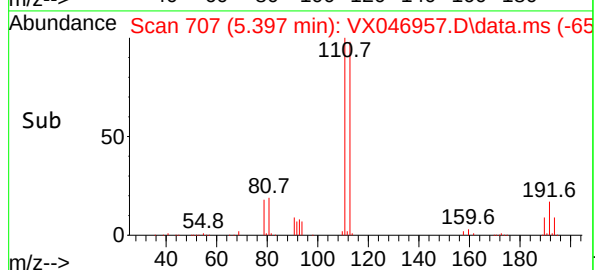
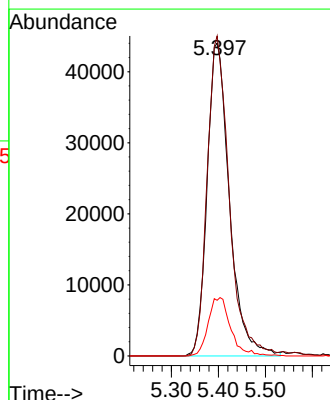
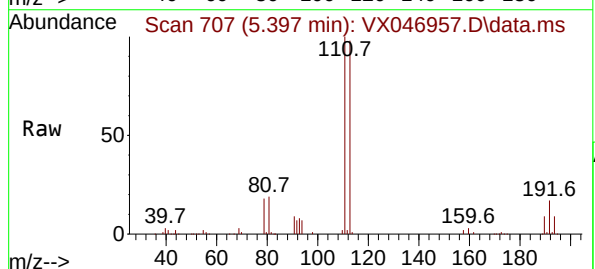
Tgt Ion:113 Resp: 145159

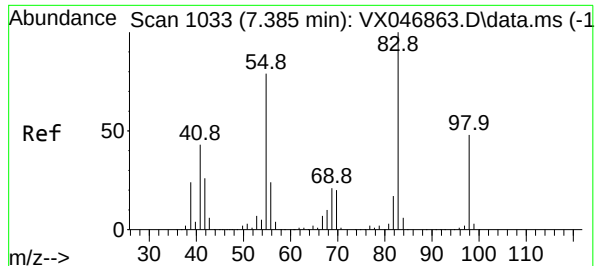
Ion Ratio Lower Upper

113 100

111 100.8 81.2 121.8

192 18.8 15.3 22.9





#39

Methylcyclohexane

Concen: 41.145 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX046957.D

Acq: 10 Jul 2025 19:41

Instrument :

MSVOA_X

ClientSampleId :

GPX7ME

Tgt Ion: 83 Resp: 21012

Ion Ratio Lower Upper

83 100

55 82.6 63.0 94.4

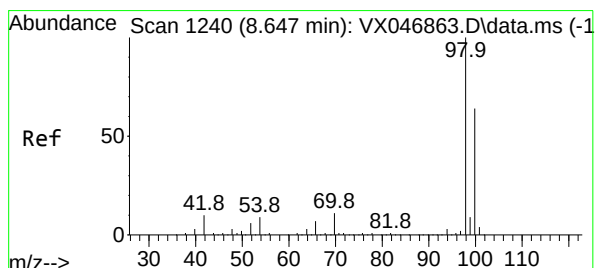
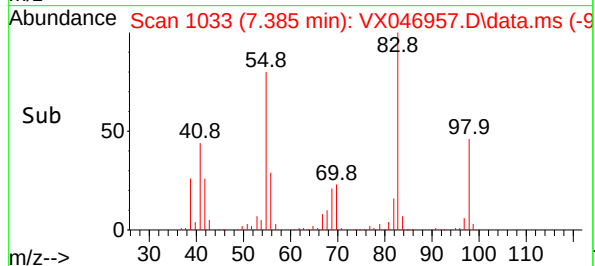
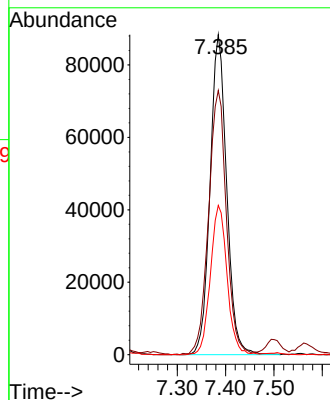
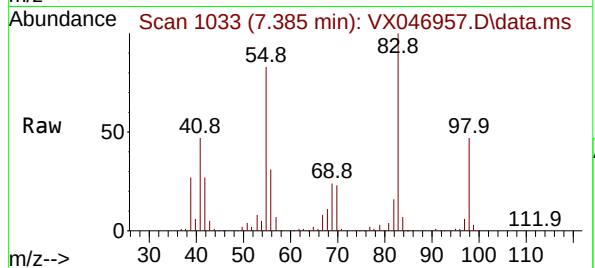
98 46.7 38.5 57.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#50

Toluene-d8

Concen: 49.970 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX046957.D

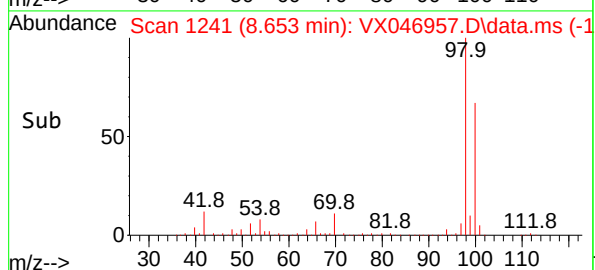
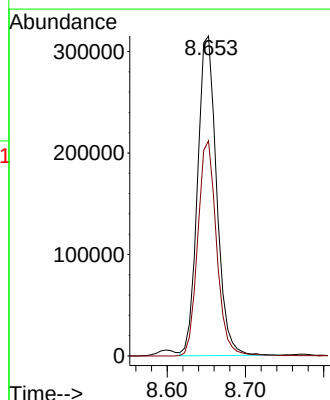
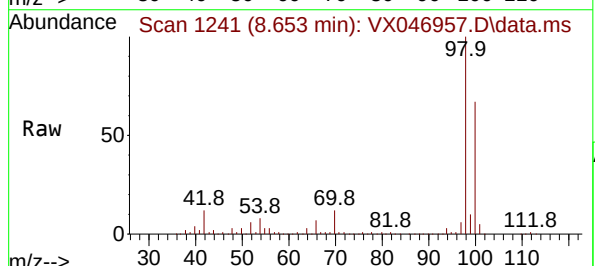
Acq: 10 Jul 2025 19:41

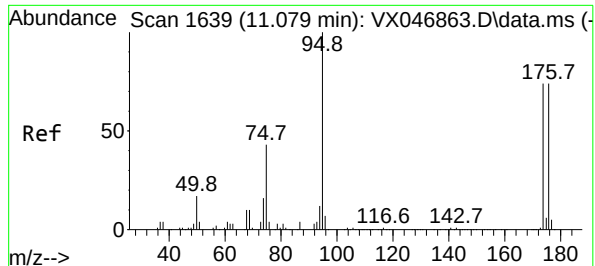
Tgt Ion: 98 Resp: 533493

Ion Ratio Lower Upper

98 100

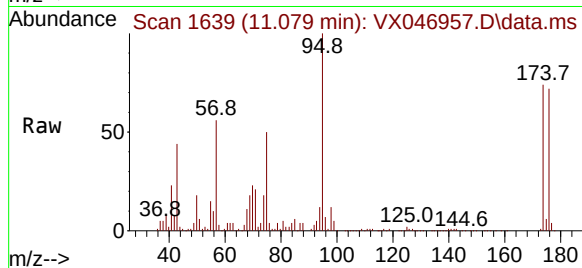
100 66.4 53.0 79.6





#62
4-Bromofluorobenzene
Concen: 50.328 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046957.D
Acq: 10 Jul 2025 19:41

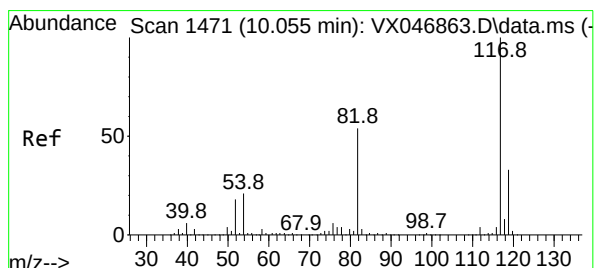
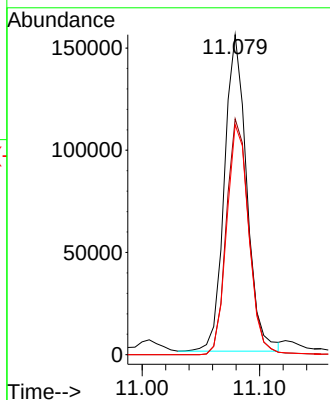
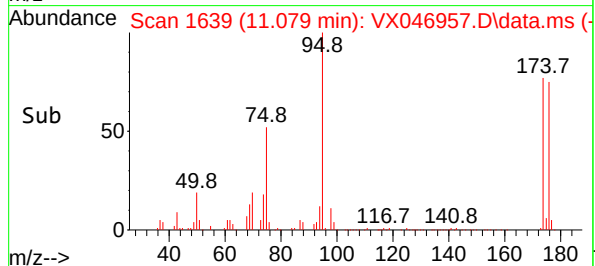
Instrument :
MSVOA_X
ClientSampleId :
GPX7ME



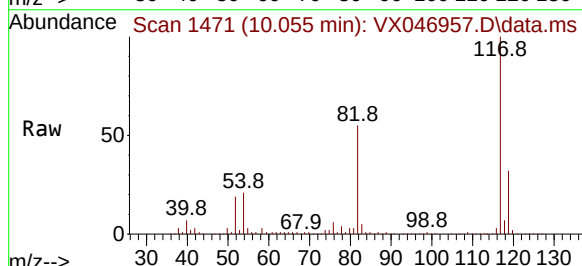
Tgt Ion: 95 Resp: 204209
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.0
176 72.5 0.0 145.2

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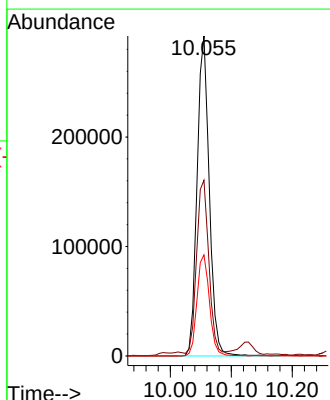
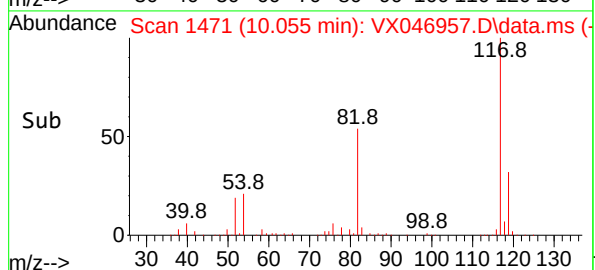
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

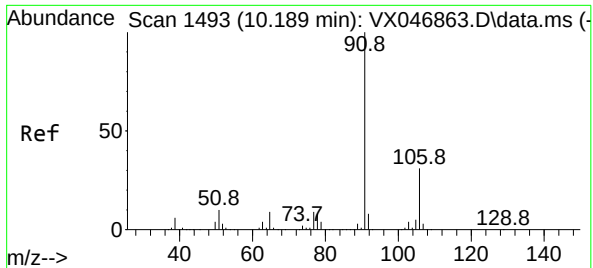


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046957.D
Acq: 10 Jul 2025 19:41



Tgt Ion:117 Resp: 406077
Ion Ratio Lower Upper
117 100
82 54.3 43.3 64.9
119 31.6 26.4 39.6





#67

Ethyl Benzene

Concen: 30.736 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046957.D

Acq: 10 Jul 2025 19:41

Instrument :

MSVOA_X

ClientSampleId :

GPX7ME

Tgt Ion: 91 Resp: 462128

Ion Ratio Lower Upper

91 100

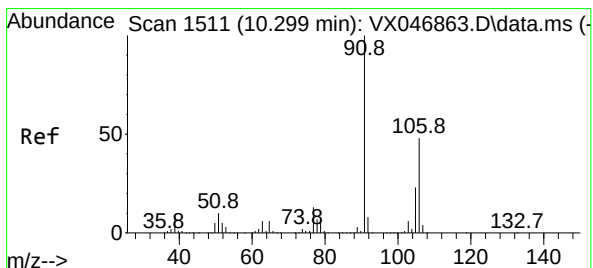
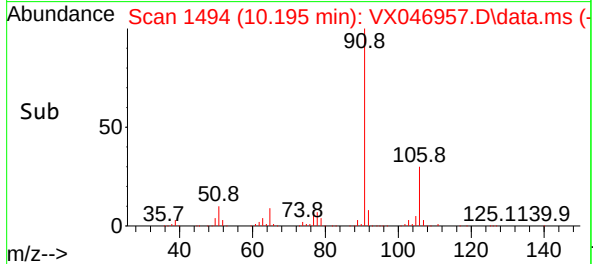
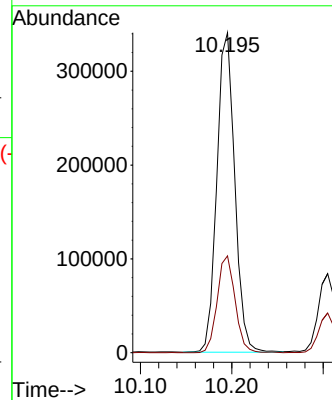
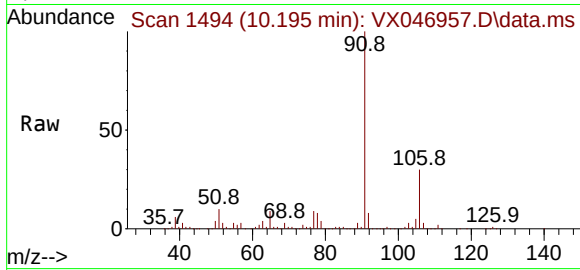
106 30.3 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#68

m/p-Xylenes

Concen: 9.871 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046957.D

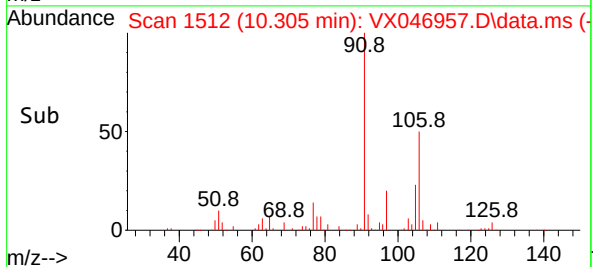
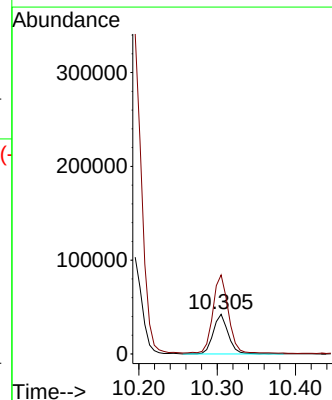
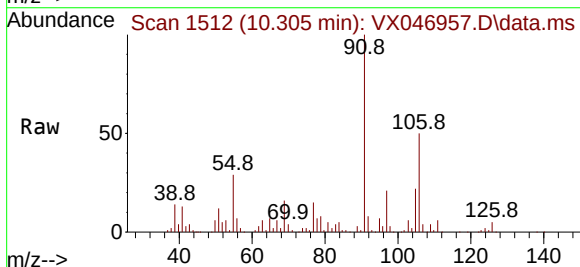
Acq: 10 Jul 2025 19:41

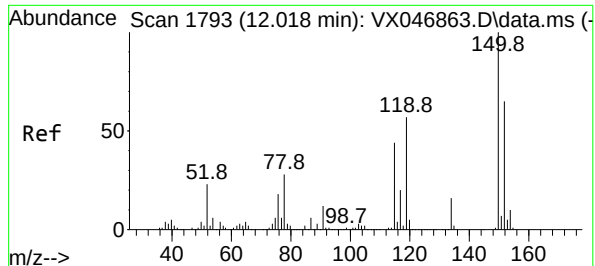
Tgt Ion:106 Resp: 55922

Ion Ratio Lower Upper

106 100

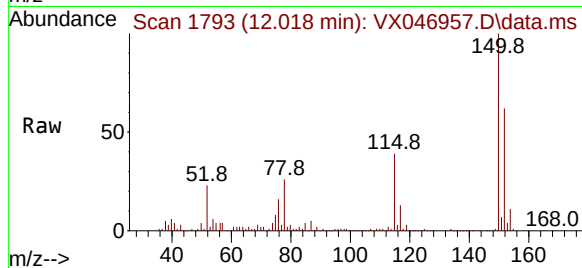
91 207.5 164.6 246.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046957.D
Acq: 10 Jul 2025 19:41

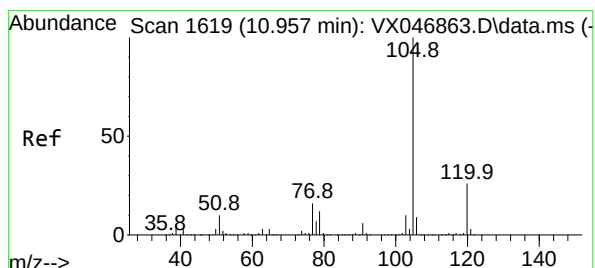
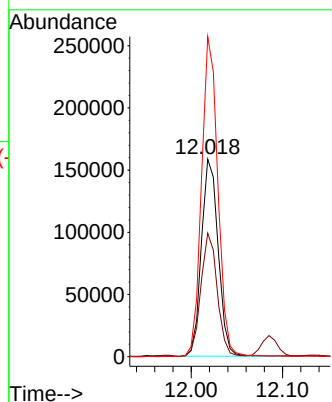
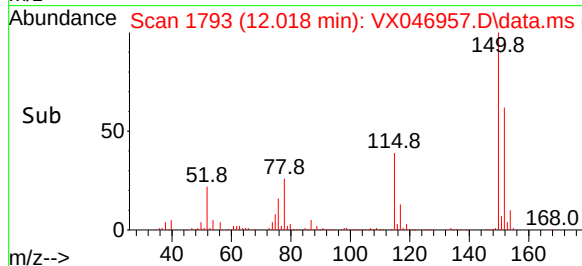
Instrument :
MSVOA_X
ClientSampleId :
GPX7ME



Tgt Ion:152 Resp: 20129
Ion Ratio Lower Upper
152 100
115 61.2 42.4 127.1
150 158.6 0.0 349.2

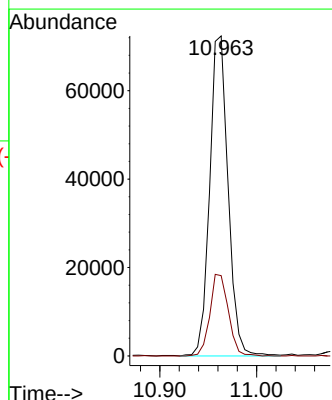
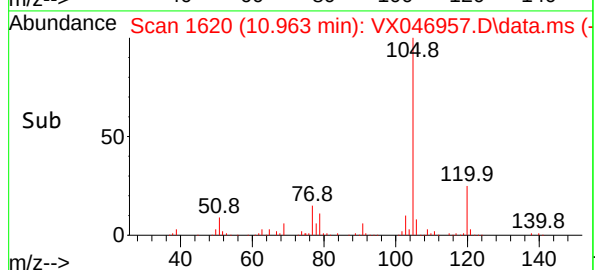
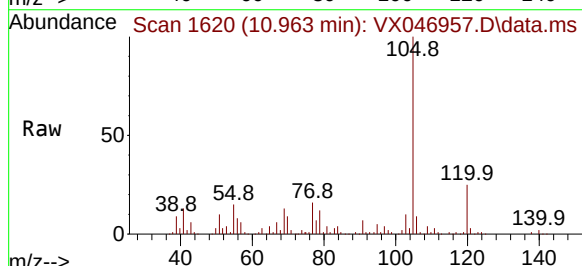
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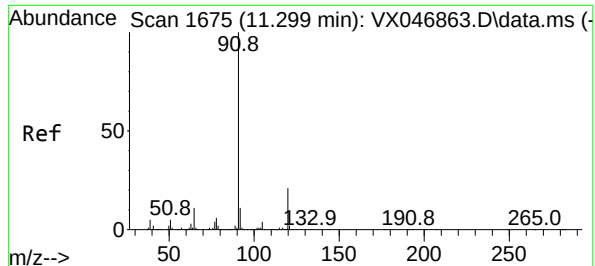
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#73
Isopropylbenzene
Concen: 6.784 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046957.D
Acq: 10 Jul 2025 19:41

Tgt Ion:105 Resp: 95991
Ion Ratio Lower Upper
105 100
120 25.5 13.2 39.5





#78

n-propylbenzene

Concen: 19.252 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046957.D

Acq: 10 Jul 2025 19:41

Instrument :

MSVOA_X

ClientSampleId :

GPX7ME

Tgt Ion: 91 Resp: 32848

Ion Ratio Lower Upper

91 100

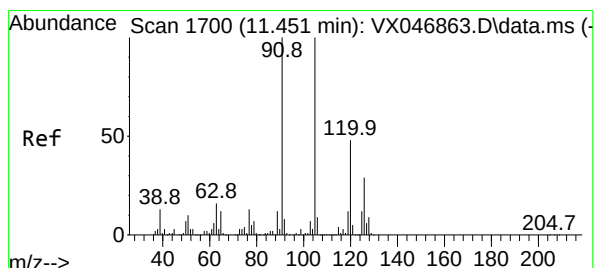
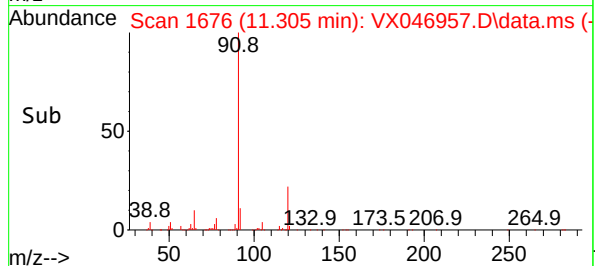
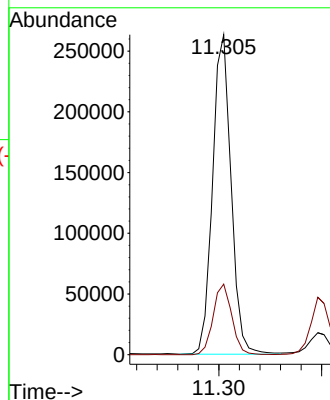
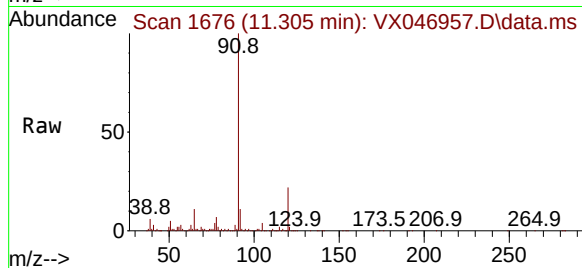
120 22.2 11.2 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 9.796 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046957.D

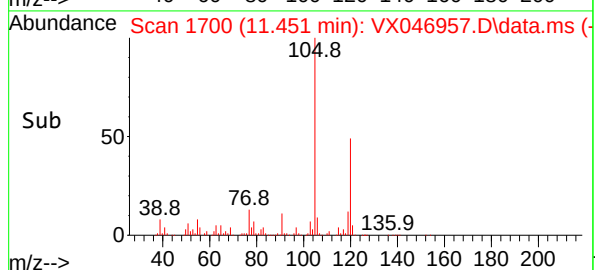
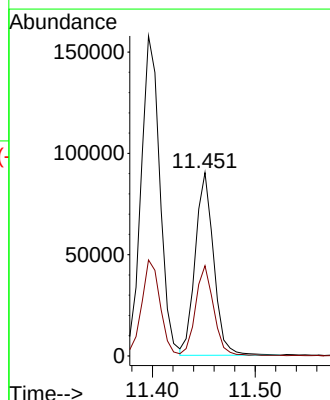
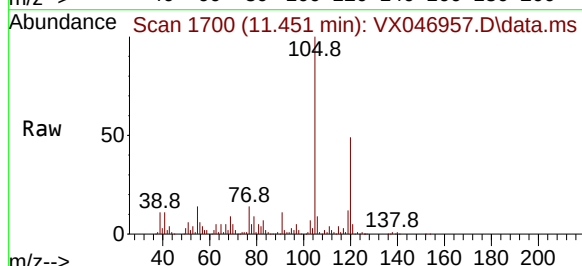
Acq: 10 Jul 2025 19:41

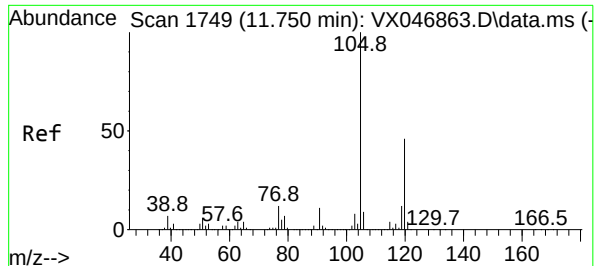
Tgt Ion:105 Resp: 112636

Ion Ratio Lower Upper

105 100

120 49.8 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 43.324 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046957.D

Acq: 10 Jul 2025 19:41

Instrument :

MSVOA_X

ClientSampleId :

GPX7ME

Tgt Ion:105 Resp: 503498

Ion Ratio Lower Upper

105 100

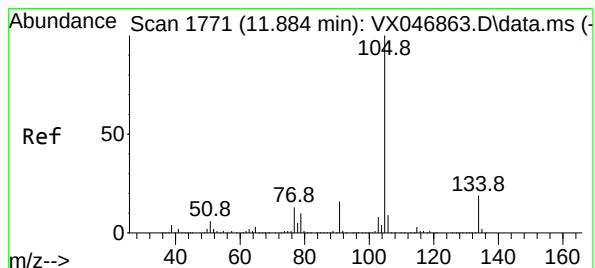
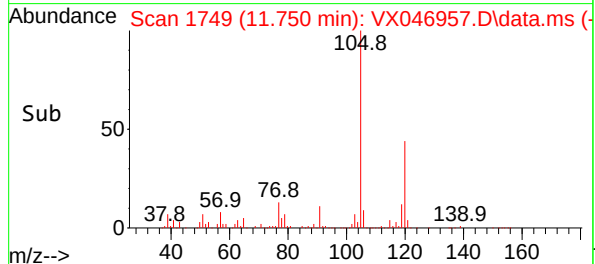
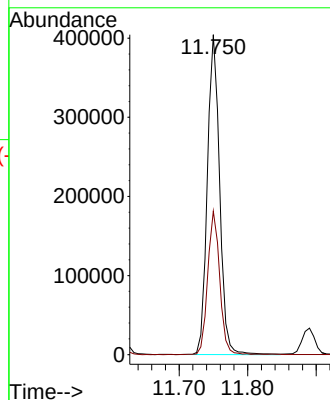
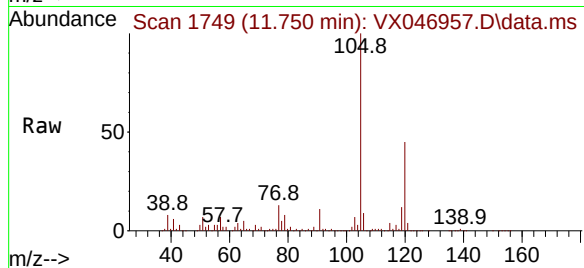
120 43.8 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#85

sec-Butylbenzene

Concen: 3.000 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VX046957.D

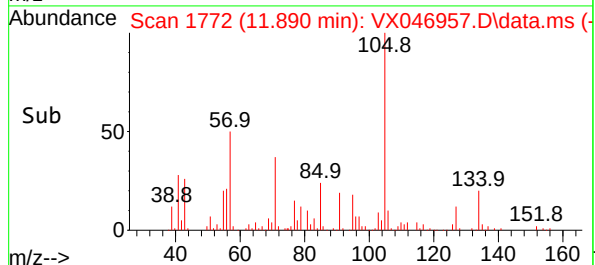
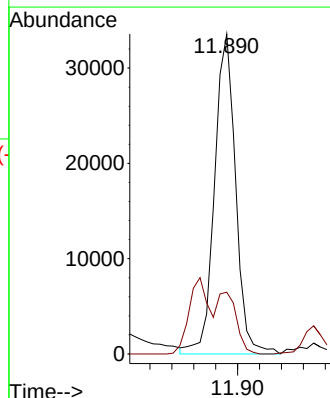
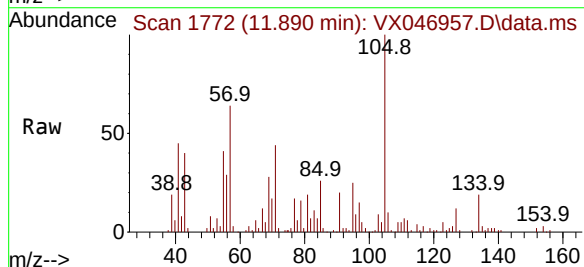
Acq: 10 Jul 2025 19:41

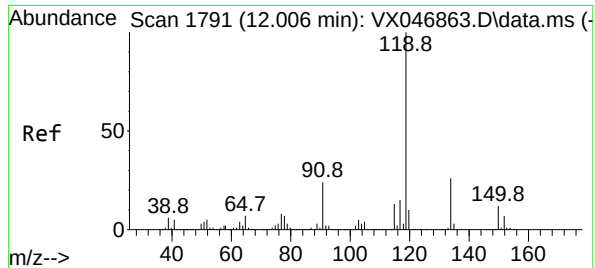
Tgt Ion:105 Resp: 44919

Ion Ratio Lower Upper

105 100

134 17.0 9.9 29.7





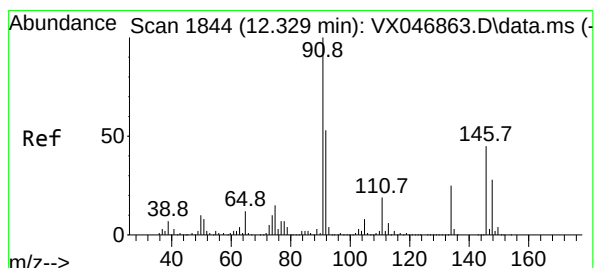
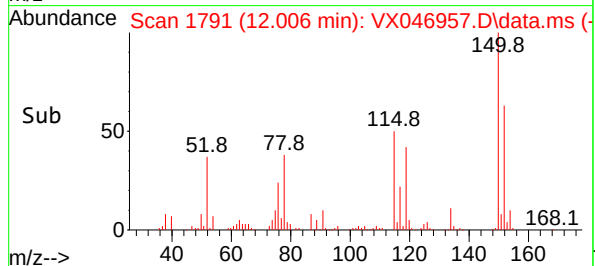
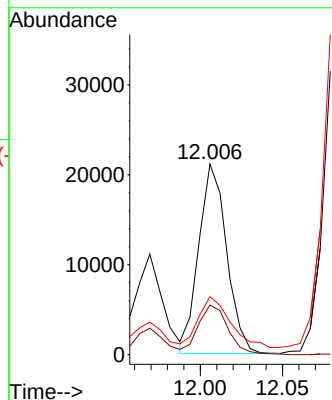
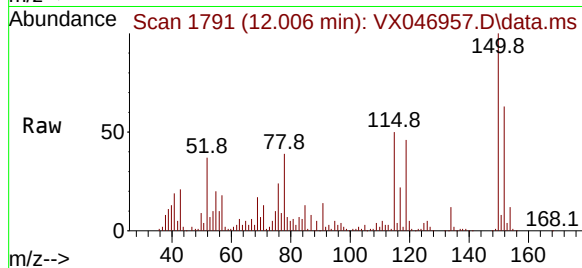
#86
p-Isopropyltoluene
Concen: 1.981 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046957.D
Acq: 10 Jul 2025 19:41

Instrument :
MSVOA_X
ClientSampleId :
GPX7ME

Tgt Ion:119 Resp: 2483
Ion Ratio Lower Upper
119 100
134 28.3 13.0 39.0
91 30.1 12.0 36.1

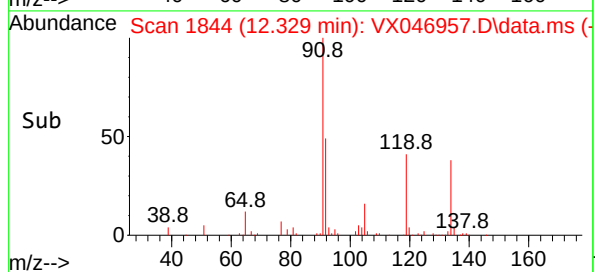
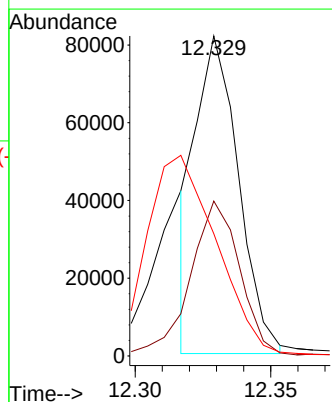
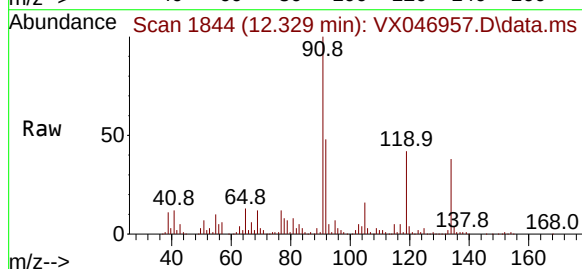
Manual Integrations
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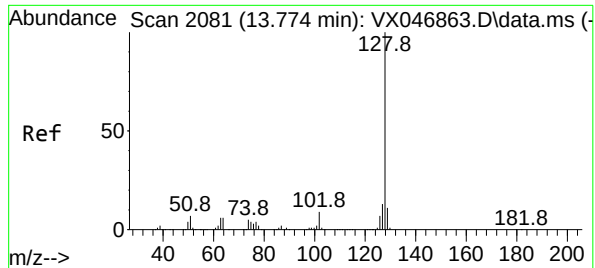
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#89
n-Butylbenzene
Concen: 7.550 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046957.D
Acq: 10 Jul 2025 19:41

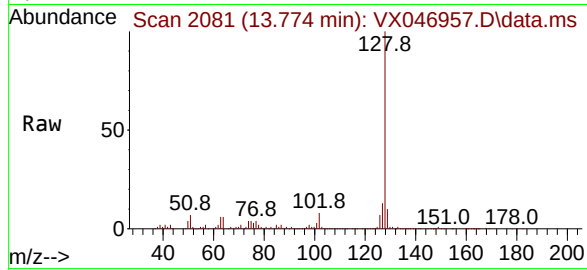
Tgt Ion: 91 Resp: 88954
Ion Ratio Lower Upper
91 100
92 56.5 27.0 81.0
134 102.3 12.8 38.4#





#95
Naphthalene
Concen: 22.832 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046957.D
Acq: 10 Jul 2025 19:41

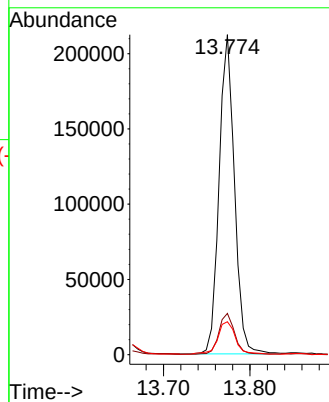
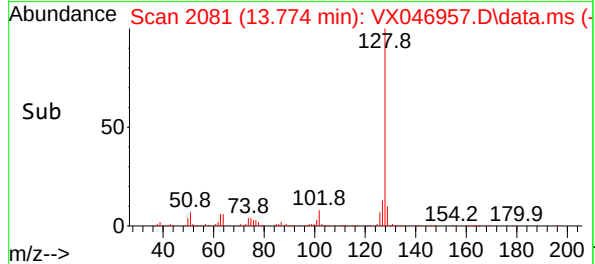
Instrument :
MSVOA_X
ClientSampleId :
GPX7ME



Tgt Ion:128 Resp: 261099
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.8 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX8	SDG No.:	Q2480
Lab Sample ID:	Q2480-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.2
Sample Wt/Vol:	8.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046958.D	10	07/10/25 20:02	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	370	U	370	1600	ug/Kg
74-87-3	Chloromethane	370	U	370	1600	ug/Kg
75-01-4	Vinyl Chloride	250	U	250	1600	ug/Kg
74-83-9	Bromomethane	340	UQ	340	1600	ug/Kg
75-00-3	Chloroethane	400	U	400	1600	ug/Kg
75-69-4	Trichlorofluoromethane	390	U	390	1600	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	340	U	340	1600	ug/Kg
75-35-4	1,1-Dichloroethene	320	U	320	1600	ug/Kg
67-64-1	Acetone	1500	U	1500	8000	ug/Kg
75-15-0	Carbon Disulfide	340	U	340	1600	ug/Kg
1634-04-4	Methyl tert-butyl Ether	230	U	230	1600	ug/Kg
79-20-9	Methyl Acetate	490	U	490	1600	ug/Kg
75-09-2	Methylene Chloride	1100	U	1100	3200	ug/Kg
156-60-5	trans-1,2-Dichloroethene	280	U	280	1600	ug/Kg
75-34-3	1,1-Dichloroethane	260	U	260	1600	ug/Kg
110-82-7	Cyclohexane	3300		250	1600	ug/Kg
78-93-3	2-Butanone	2100	U	2100	8000	ug/Kg
56-23-5	Carbon Tetrachloride	310	U	310	1600	ug/Kg
156-59-2	cis-1,2-Dichloroethene	240	U	240	1600	ug/Kg
74-97-5	Bromochloromethane	370	U	370	1600	ug/Kg
67-66-3	Chloroform	270	U	270	1600	ug/Kg
71-55-6	1,1,1-Trichloroethane	300	U	300	1600	ug/Kg
108-87-2	Methylcyclohexane	11600		290	1600	ug/Kg
71-43-2	Benzene	250	U	250	1600	ug/Kg
107-06-2	1,2-Dichloroethane	250	U	250	1600	ug/Kg
79-01-6	Trichloroethene	260	U	260	1600	ug/Kg
78-87-5	1,2-Dichloropropane	290	U	290	1600	ug/Kg
75-27-4	Bromodichloromethane	250	U	250	1600	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1100	U	1100	8000	ug/Kg
108-88-3	Toluene	250	U	250	1600	ug/Kg

Report of Analysis

Client:	G Environmental			Date Collected:	07/01/25	
Project:	Lexington			Date Received:	07/01/25	
Client Sample ID:	GPX8			SDG No.:	Q2480	
Lab Sample ID:	Q2480-08			Matrix:	SOIL	
Analytical Method:	8260D			% Solid:	87.2	
Sample Wt/Vol:	8.95	Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:	100		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID :	0.18	Level :	MED	
Prep Method :						

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046958.D	10	07/10/25 20:02	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	210	U	210	1600	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	200	U	200	1600	ug/Kg
79-00-5	1,1,2-Trichloroethane	290	U	290	1600	ug/Kg
591-78-6	2-Hexanone	1200	U	1200	8000	ug/Kg
124-48-1	Dibromochloromethane	280	U	280	1600	ug/Kg
106-93-4	1,2-Dibromoethane	280	U	280	1600	ug/Kg
127-18-4	Tetrachloroethene	340	U	340	1600	ug/Kg
108-90-7	Chlorobenzene	290	U	290	1600	ug/Kg
100-41-4	Ethyl Benzene	10200		210	1600	ug/Kg
179601-23-1	m/p-Xylenes	11800		400	3200	ug/Kg
95-47-6	o-Xylene	260	U	260	1600	ug/Kg
100-42-5	Styrene	230	U	230	1600	ug/Kg
75-25-2	Bromoform	280	U	280	1600	ug/Kg
98-82-8	Isopropylbenzene	2800		250	1600	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	390	U	390	1600	ug/Kg
541-73-1	1,3-Dichlorobenzene	550	U	550	1600	ug/Kg
106-46-7	1,4-Dichlorobenzene	500	U	500	1600	ug/Kg
95-50-1	1,2-Dichlorobenzene	460	U	460	1600	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	590	U	590	1600	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	950	U	950	1600	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1000	U	1000	1600	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.4	63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9	70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.3	74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6	17 - 146	99%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	377000	5.562
540-36-3	1,4-Difluorobenzene	658000	6.769
3114-55-4	Chlorobenzene-d5	585000	10.055
3855-82-1	1,4-Dichlorobenzene-d4	282000	12.018

TENTATIVE IDENTIFIED COMPOUNDS



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX8		SDG No.:	Q2480	
Lab Sample ID:	Q2480-08		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	87.2	
Sample Wt/Vol:	8.95	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046958.D	10	07/10/25 20:02	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000111-65-9	Octane	12600	J		8.91	ug/Kg
002216-34-4	Octane, 4-methyl-	15000	J		9.90	ug/Kg
000111-84-2	Nonane	12600	J		10.4	ug/Kg
103-65-1	n-propylbenzene	9100	J		11.3	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	22100	J		11.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	17500	J		11.5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	80100	J		11.8	ug/Kg
135-98-8	sec-Butylbenzene	1400	J		11.9	ug/Kg
99-87-6	p-Isopropyltoluene	1400	J		12.0	ug/Kg
000095-63-6	Benzene, 1,2,4-trimethyl-	24400	J		12.1	ug/Kg
000135-01-3	Benzene, 1,2-diethyl-	24100	J		12.2	ug/Kg
104-51-8	n-Butylbenzene	4700	J		12.3	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	15000	J		12.5	ug/Kg
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)	12100	J		12.6	ug/Kg
000527-84-4	o-Cymene	23600	J		12.6	ug/Kg
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	13400	J		12.7	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	13500	J		12.9	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	17600	J		13.0	ug/Kg
000767-58-8	Indan, 1-methyl-	11800	J		13.2	ug/Kg
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	19400	J		13.3	ug/Kg
91-20-3	Naphthalene	12500	J		13.8	ug/Kg
000091-57-6	Naphthalene, 2-methyl-	11800	J		14.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046958.D
 Acq On : 10 Jul 2025 20:02
 Operator : JC/MD
 Sample : Q2480-08 10X
 Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GPX8

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/11/2025
 Supervised By : Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:39:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	377228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	658079	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	584775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	281510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	255953	51.360	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.720%			
35) Dibromofluoromethane	5.397	113	214083	47.925	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.840%			
50) Toluene-d8	8.653	98	777364	49.323	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.640%			
62) 4-Bromofluorobenzene	11.079	95	297095	49.599	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.200%			
Target Compounds						
					Qvalue	
20) Methylene Chloride	2.800	84	4748	1.037	ug/l #	81
31) Cyclohexane	5.513	56	73441	10.310	ug/l #	59
39) Methylcyclohexane	7.385	83	274007	36.344	ug/l	94
67) Ethyl Benzene	10.195	91	687093	31.734	ug/l	99
68) m/p-Xylenes	10.305	106	299409	36.698	ug/l	99
73) Isopropylbenzene	10.963	105	172680	8.726	ug/l	99
78) n-propylbenzene	11.305	91	679321	28.469	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	880135	54.736	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	4064066	250.053	ug/l	98
85) sec-Butylbenzene	11.890	105	94342m	4.506	ug/l	
86) p-Isopropyltoluene	12.006	119	77218	4.404	ug/l	97
89) n-Butylbenzene	12.329	91	242755m	14.734	ug/l	
95) Naphthalene	13.774	128	621711	38.875	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

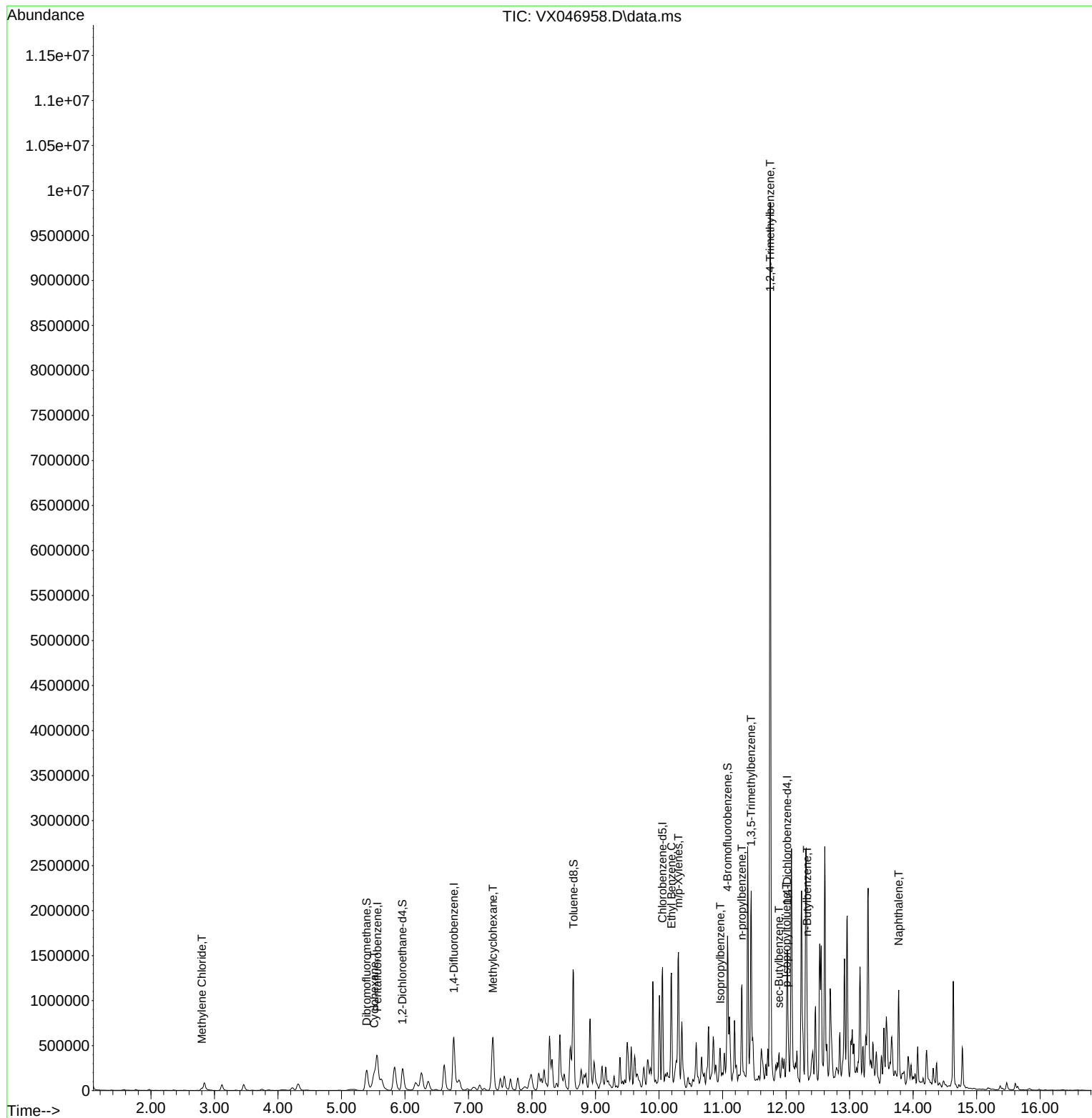
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Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

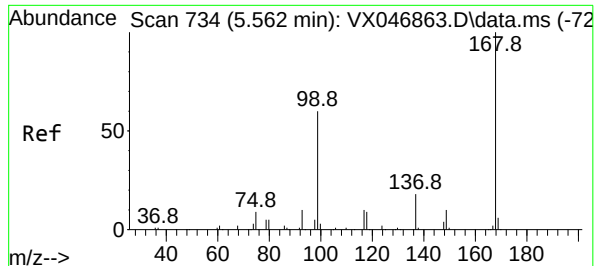
Instrument :
MSVOA_X
ClientSampleId :
GPX8

Manual Integrations
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Reviewed By : John Carlone 07/11/2025
Supervised By : Mahesh Dadoda 07/14/2025

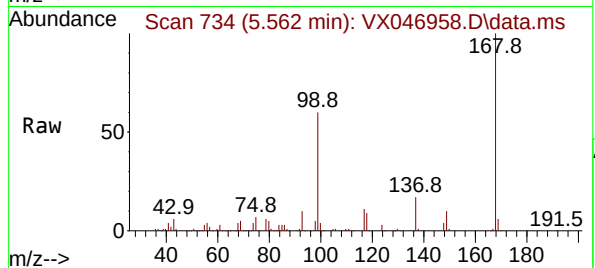
Quant Time: Jul 11 01:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

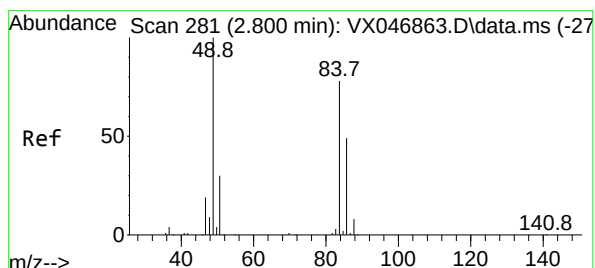
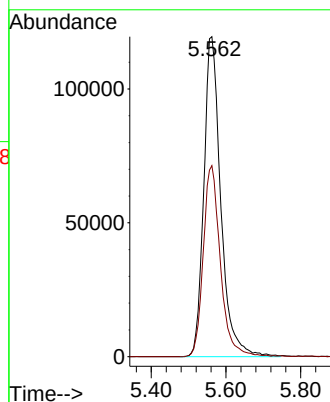
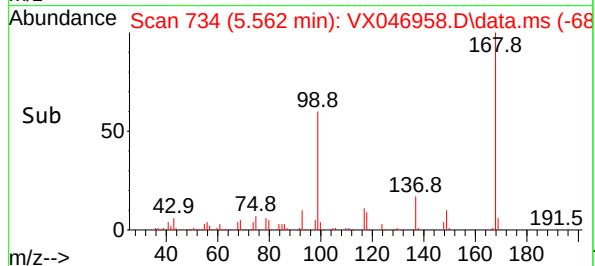
Instrument :
MSVOA_X
ClientSampleId :
GPX8



Tgt Ion:168 Resp: 377228
Ion Ratio Lower Upper
168 100
99 59.7 48.8 73.2

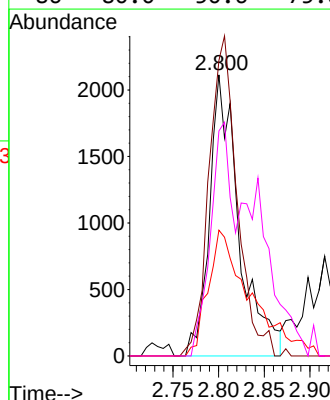
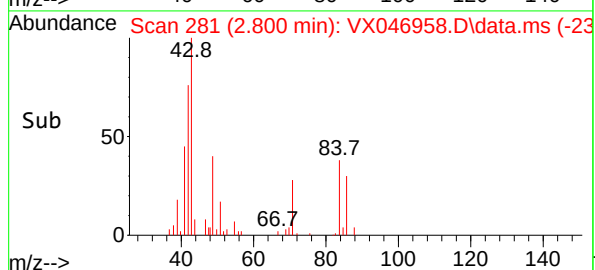
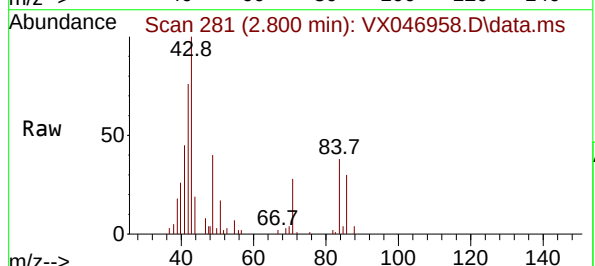
Manual Integrations
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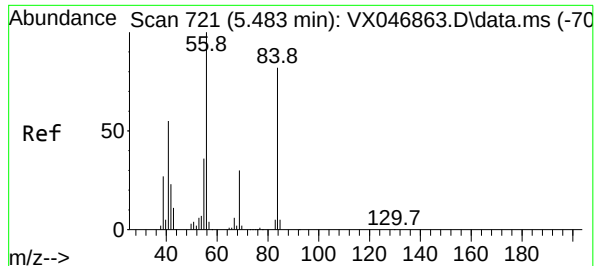
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#20
Methylene Chloride
Concen: 1.037 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

Tgt Ion: 84 Resp: 4748
Ion Ratio Lower Upper
84 100
49 105.1 102.8 154.2
51 44.7 31.1 46.7
86 80.0 50.6 75.8#





#31

Cyclohexane

Concen: 10.310 ug/l

RT: 5.513 min Scan# 721

Delta R.T. 0.030 min

Lab File: VX046958.D

Acq: 10 Jul 2025 20:02

Instrument :

MSVOA_X

ClientSampleId :

GPX8

Tgt Ion: 56 Resp: 7344

Ion Ratio Lower Upper

56 100

69 7.7 24.0 36.0

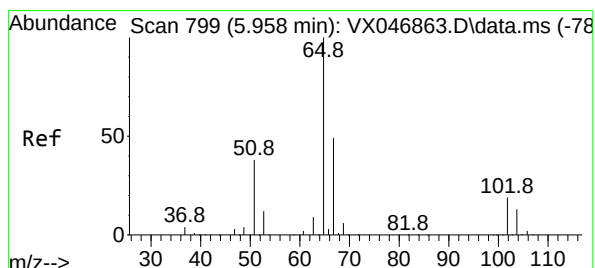
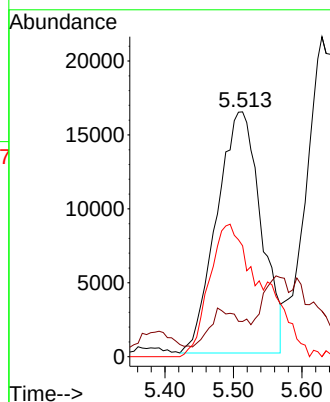
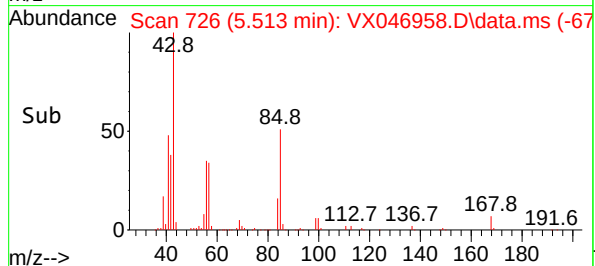
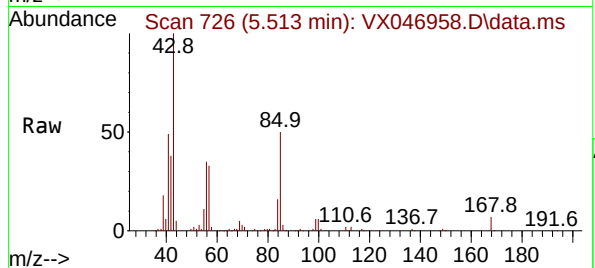
84 46.0 66.5 99.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#33

1,2-Dichloroethane-d4

Concen: 51.360 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX046958.D

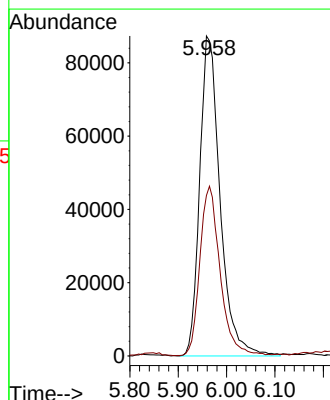
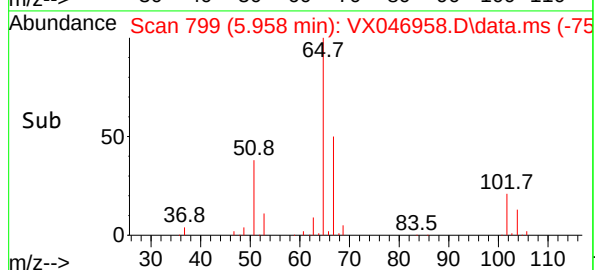
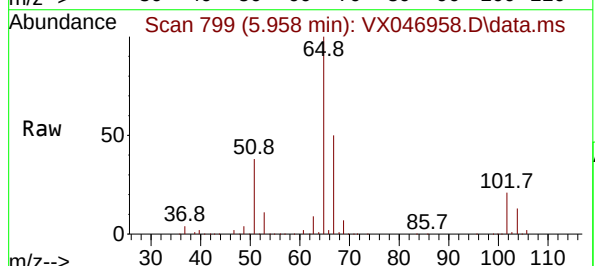
Acq: 10 Jul 2025 20:02

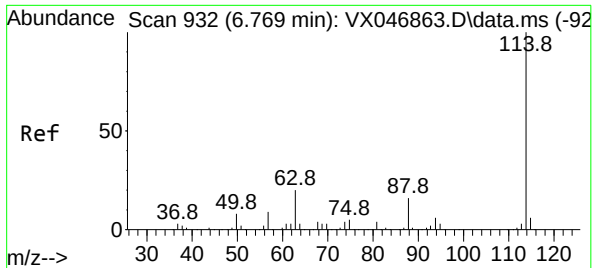
Tgt Ion: 65 Resp: 255953

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046958.D

Acq: 10 Jul 2025 20:02

Instrument :

MSVOA_X

ClientSampleId :

GPX8

Tgt Ion:114 Resp: 658079

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.4

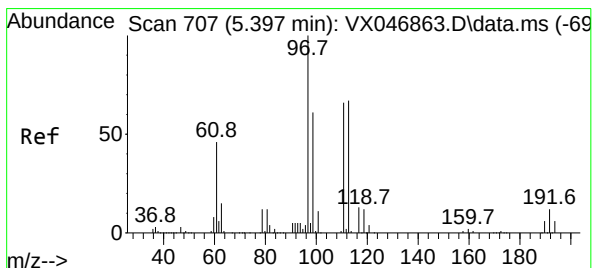
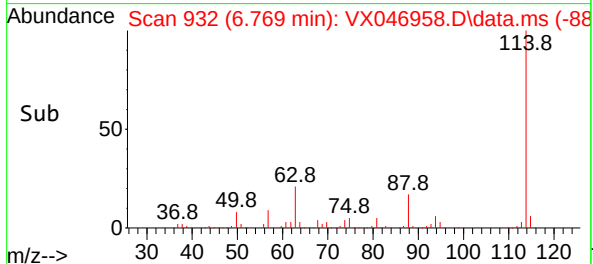
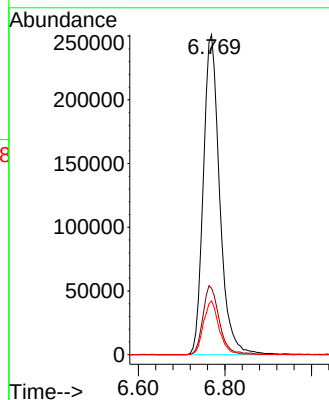
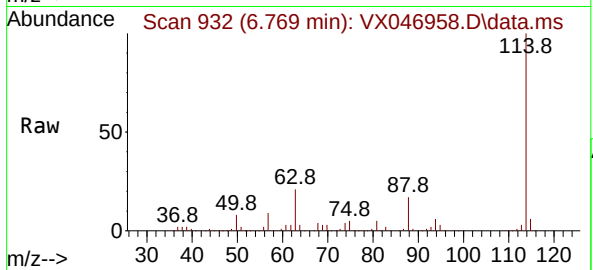
88 16.8 0.0 31.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#35

Dibromofluoromethane

Concen: 47.925 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046958.D

Acq: 10 Jul 2025 20:02

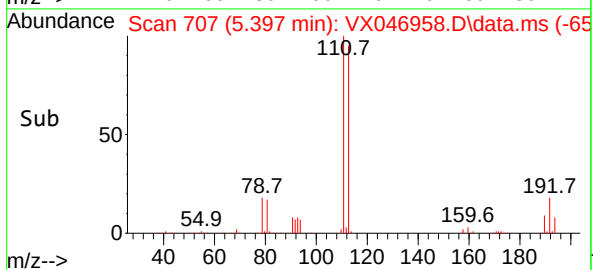
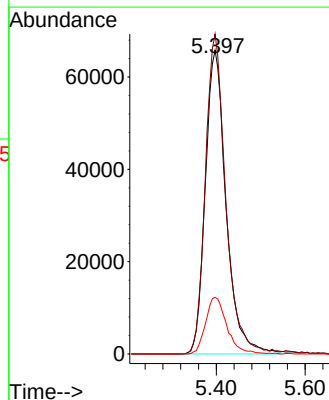
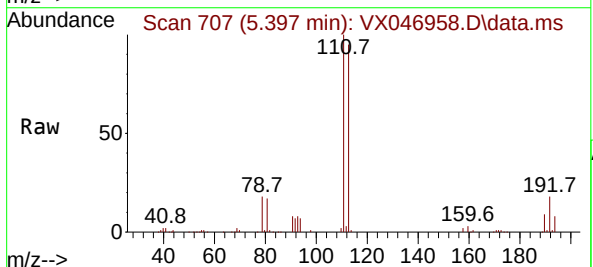
Tgt Ion:113 Resp: 214083

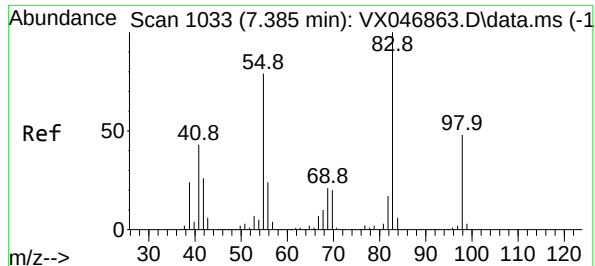
Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

192 19.2 15.3 22.9





#39

Methylcyclohexane

Concen: 36.344 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX046958.D

Acq: 10 Jul 2025 20:02

Instrument :

MSVOA_X

ClientSampleId :

GPX8

Tgt Ion: 83 Resp: 27400

Ion Ratio Lower Upper

83 100

55 84.9 63.0 94.4

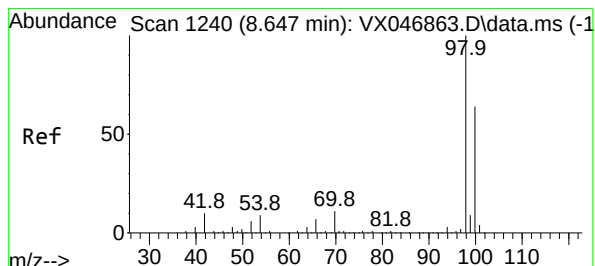
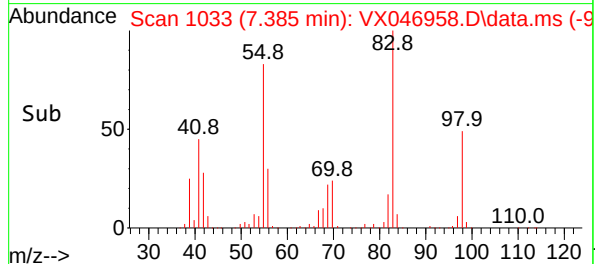
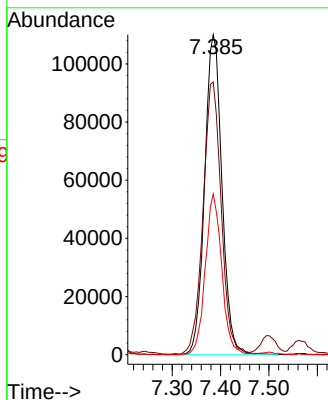
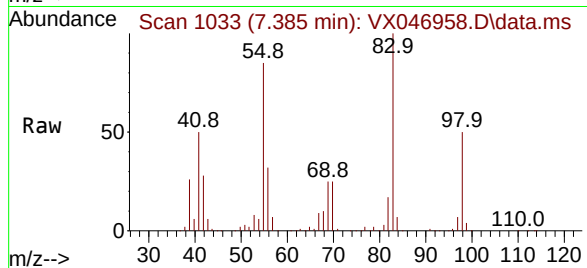
98 50.3 38.5 57.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#50

Toluene-d8

Concen: 49.323 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX046958.D

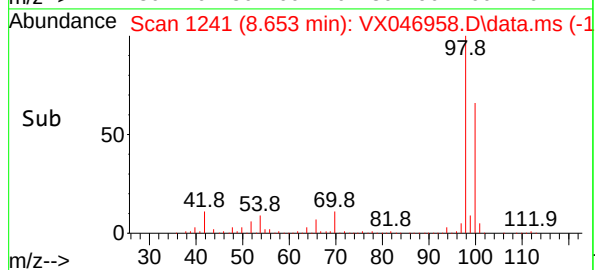
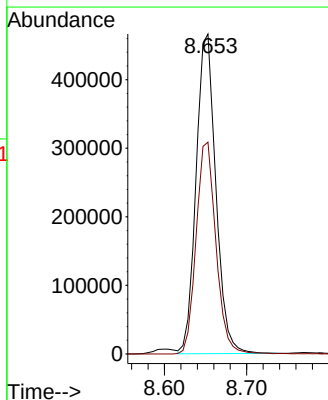
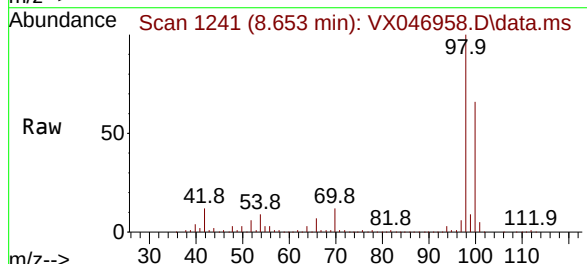
Acq: 10 Jul 2025 20:02

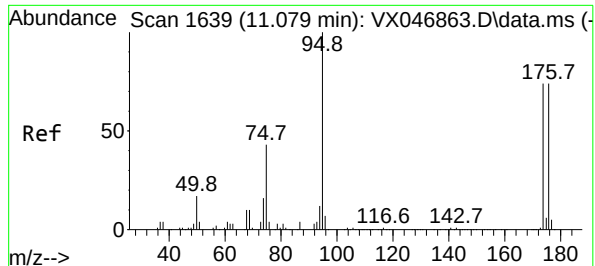
Tgt Ion: 98 Resp: 777364

Ion Ratio Lower Upper

98 100

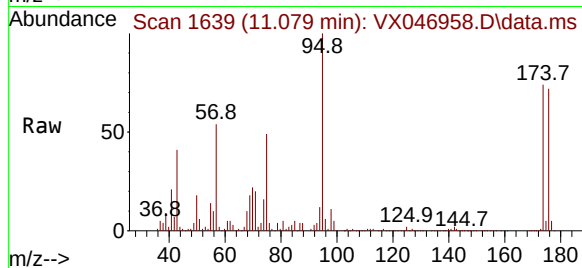
100 66.7 53.0 79.6





#62
4-Bromofluorobenzene
Concen: 49.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

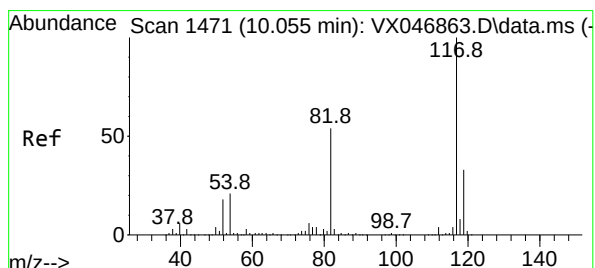
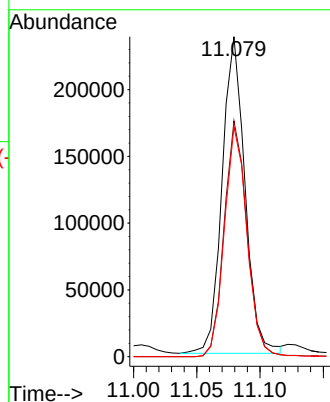
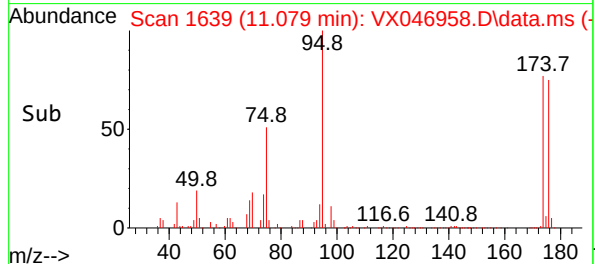
Instrument :
MSVOA_X
ClientSampleId :
GPX8



Tgt Ion: 95 Resp: 297095
Ion Ratio Lower Upper
95 100
174 74.7 0.0 152.0
176 72.3 0.0 145.2

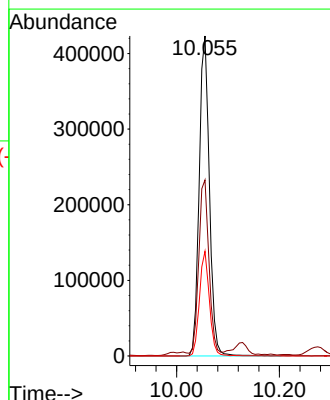
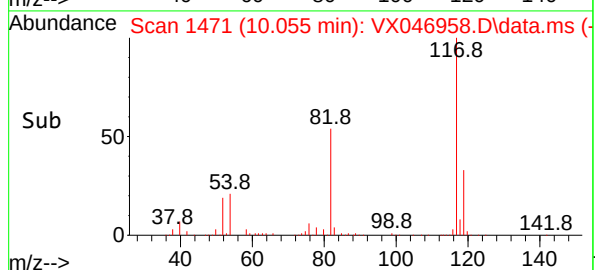
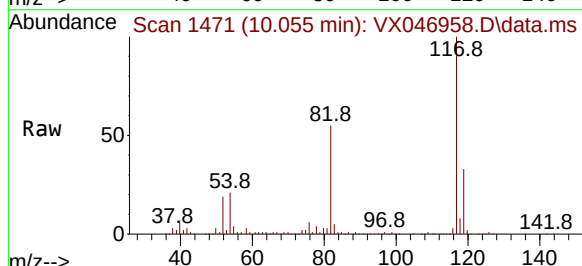
Manual Integrations
APPROVED

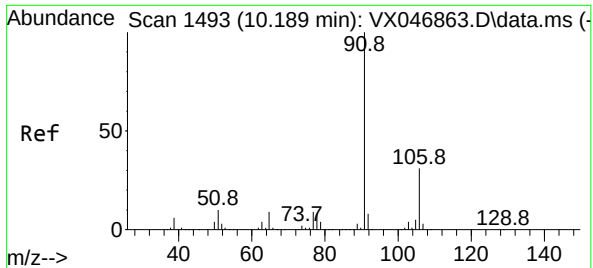
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

Tgt Ion:117 Resp: 584775
Ion Ratio Lower Upper
117 100
82 54.6 43.3 64.9
119 32.7 26.4 39.6





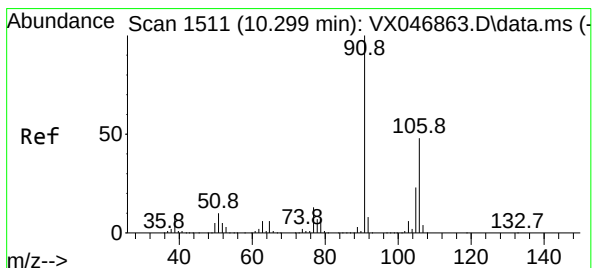
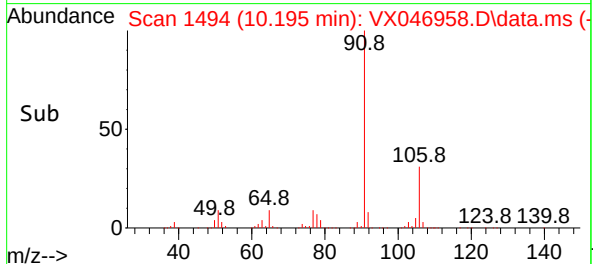
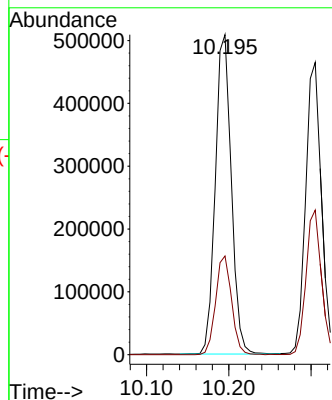
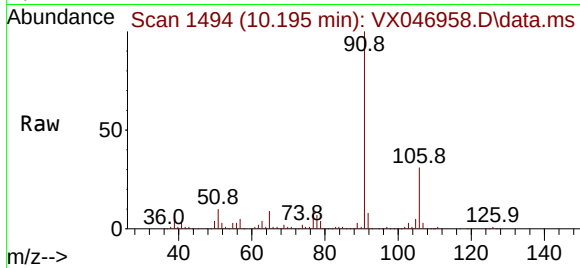
#67
Ethyl Benzene
Concen: 31.734 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

Instrument :
MSVOA_X
ClientSampleId :
GPX8

Tgt Ion: 91 Resp: 68709
Ion Ratio Lower Upper
91 100
106 30.9 24.4 36.6

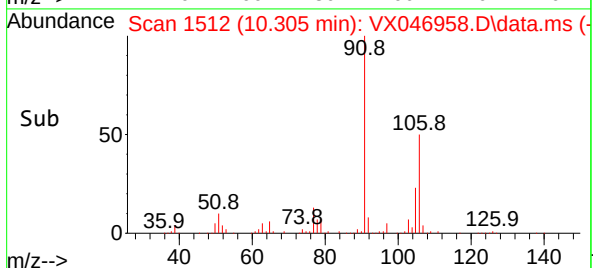
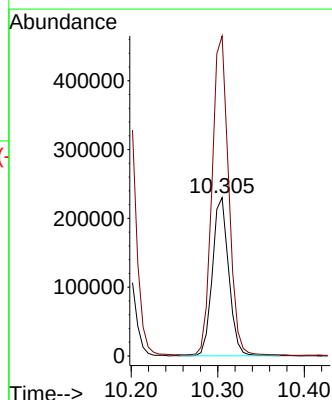
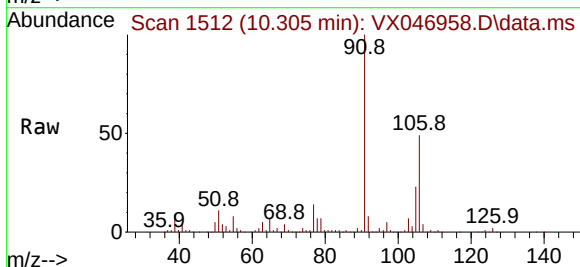
Manual Integrations
APPROVED

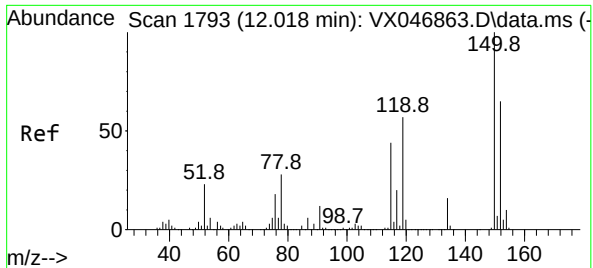
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#68
m/p-Xylenes
Concen: 36.698 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

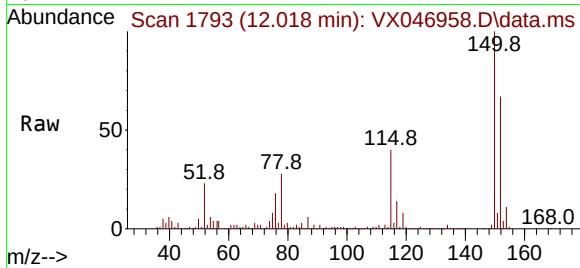
Tgt Ion:106 Resp: 299409
Ion Ratio Lower Upper
106 100
91 206.7 164.6 246.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

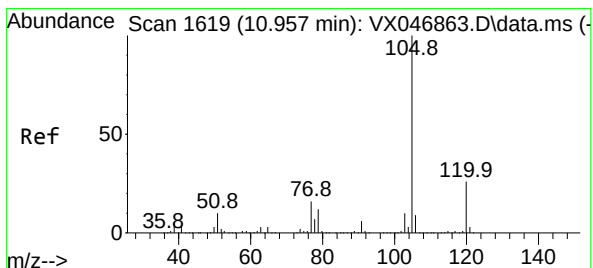
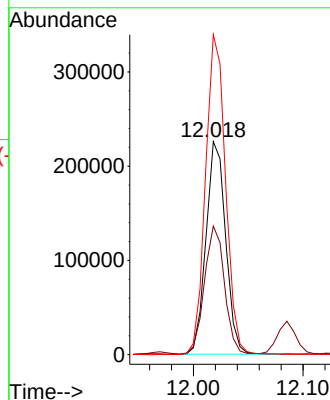
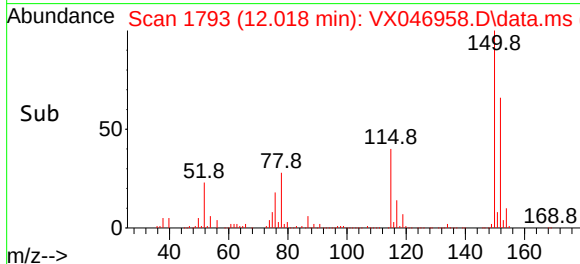
Instrument :
MSVOA_X
ClientSampleId :
GPX8



Tgt Ion:152 Resp: 281510
Ion Ratio Lower Upper
152 100
115 61.3 42.4 127.1
150 152.8 0.0 349.2

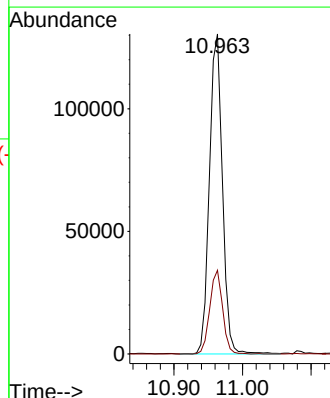
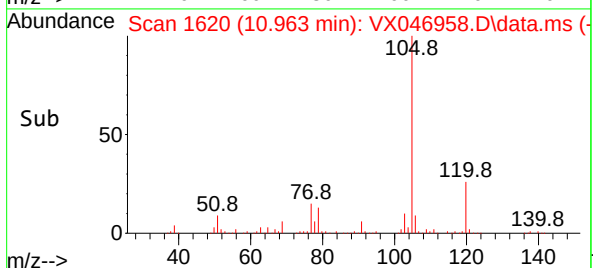
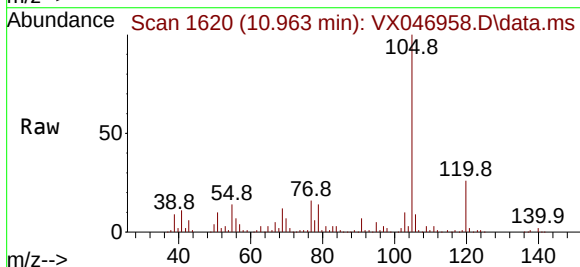
Manual Integrations
APPROVED

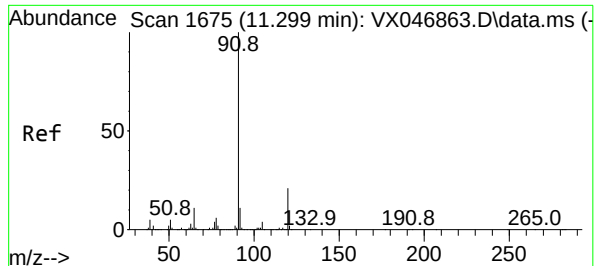
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#73
Isopropylbenzene
Concen: 8.726 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

Tgt Ion:105 Resp: 172680
Ion Ratio Lower Upper
105 100
120 25.8 13.2 39.5





#78

n-propylbenzene

Concen: 28.469 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046958.D

Acq: 10 Jul 2025 20:02

Instrument :

MSVOA_X

ClientSampleId :

GPX8

Tgt Ion: 91 Resp: 67932

Ion Ratio Lower Upper

91 100

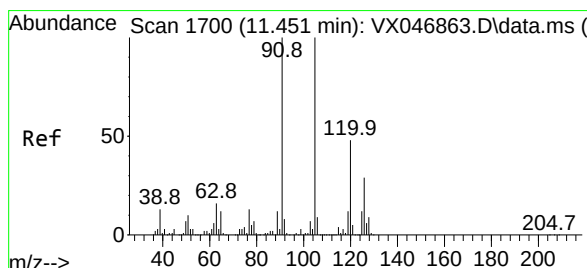
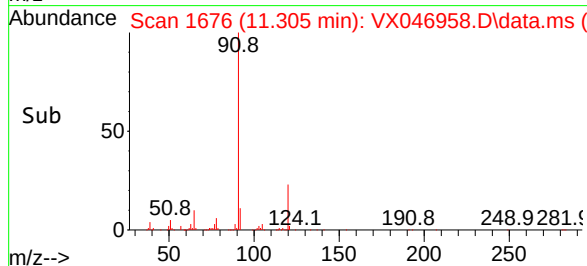
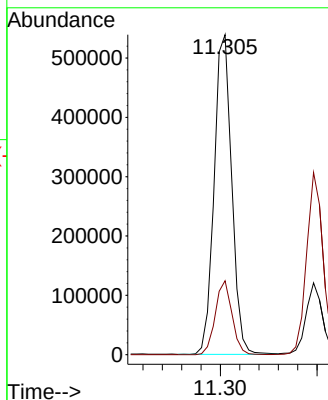
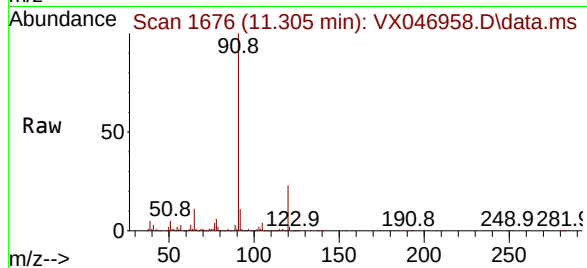
120 22.1 11.2 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 54.736 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046958.D

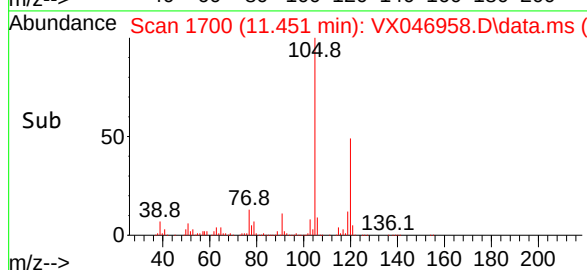
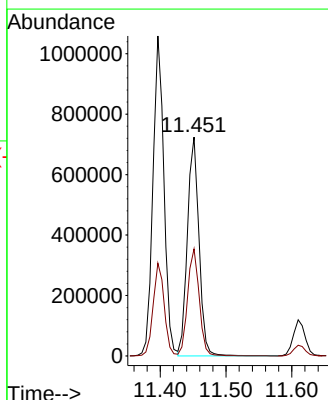
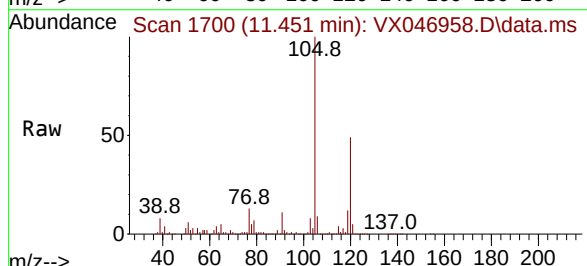
Acq: 10 Jul 2025 20:02

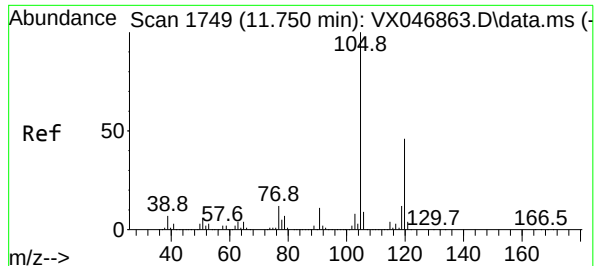
Tgt Ion:105 Resp: 880135

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 250.053 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046958.D

Acq: 10 Jul 2025 20:02

Instrument :

MSVOA_X

ClientSampleId :

GPX8

Tgt Ion:105 Resp: 406406

Ion Ratio Lower Upper

105 100

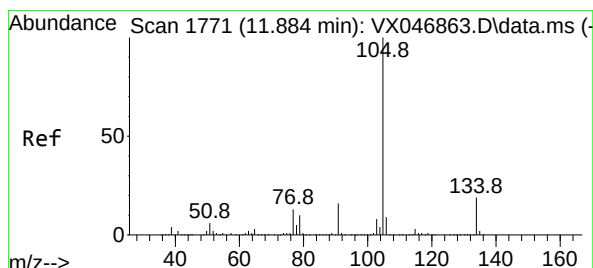
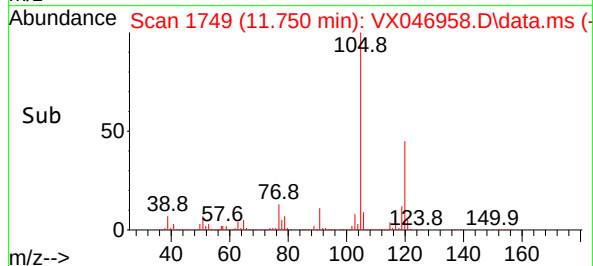
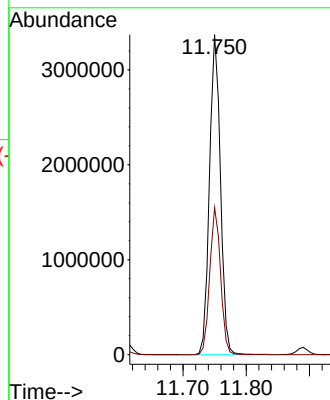
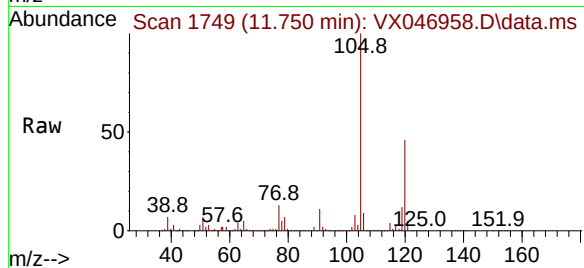
120 45.5 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/11/2025

Supervised By :Mahesh Dadoda 07/14/2025



#85

sec-Butylbenzene

Concen: 4.506 ug/l m

RT: 11.890 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VX046958.D

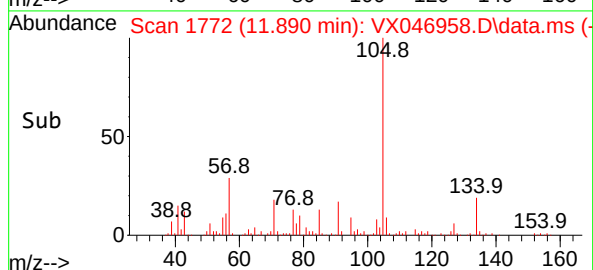
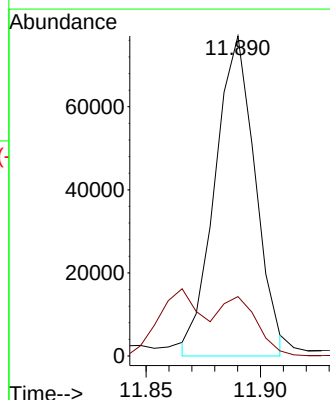
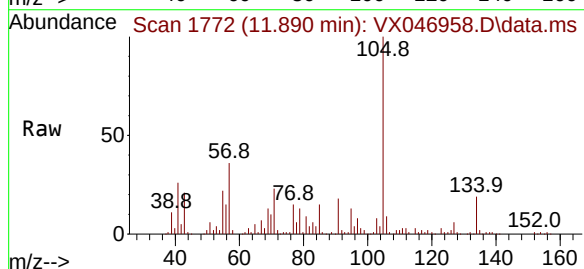
Acq: 10 Jul 2025 20:02

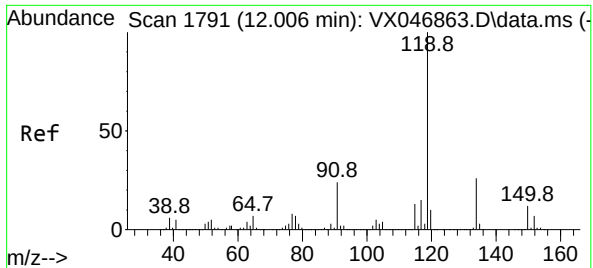
Tgt Ion:105 Resp: 94342

Ion Ratio Lower Upper

105 100

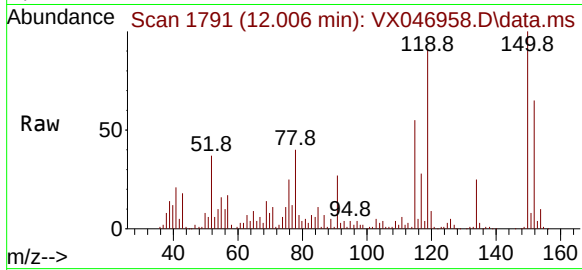
134 0.0 9.9 29.7#





#86
p-Isopropyltoluene
Concen: 4.404 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

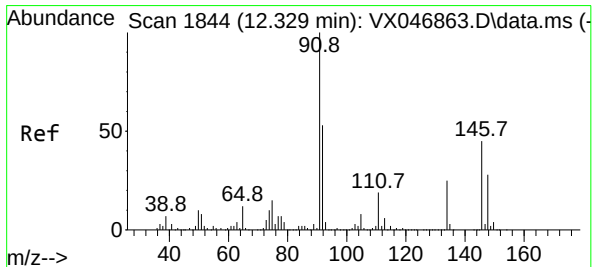
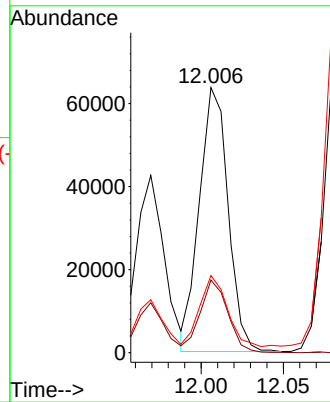
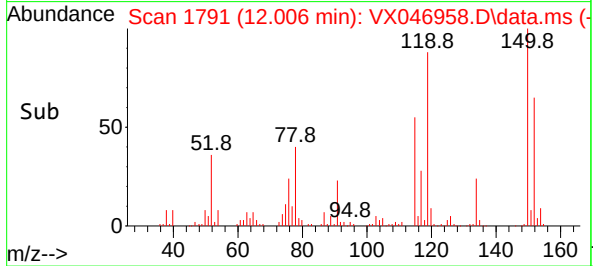
Instrument :
MSVOA_X
ClientSampleId :
GPX8



Tgt Ion: 119 Resp: 77218
Ion Ratio Lower Upper
119 100
134 26.6 13.0 39.0
91 26.8 12.0 36.1

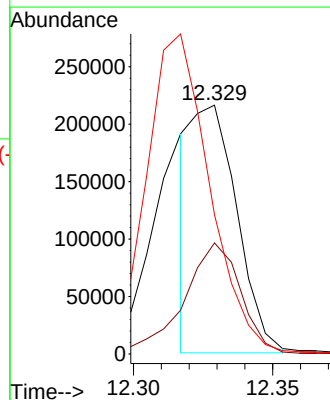
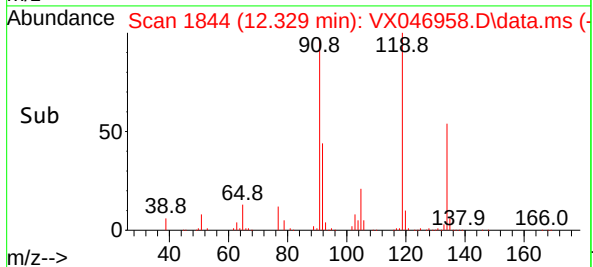
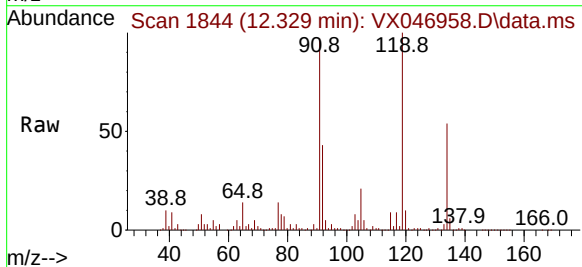
Manual Integrations
APPROVED

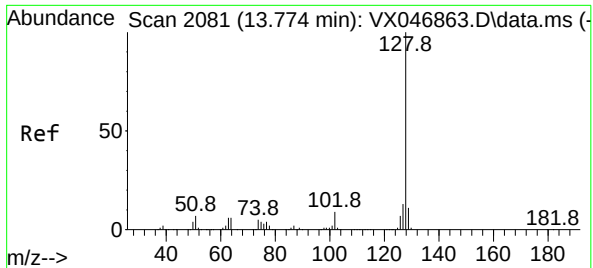
Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



#89
n-Butylbenzene
Concen: 14.734 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

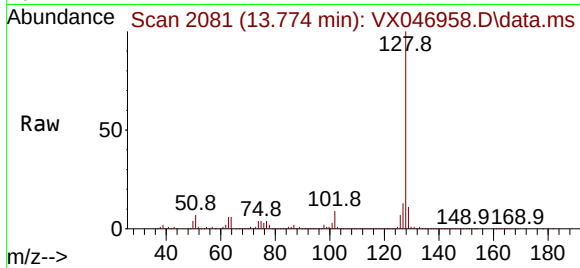
Tgt Ion: 91 Resp: 242755
Ion Ratio Lower Upper
91 100
92 56.4 27.0 81.0
134 179.0 12.8 38.4#





#95
Naphthalene
Concen: 38.875 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046958.D
Acq: 10 Jul 2025 20:02

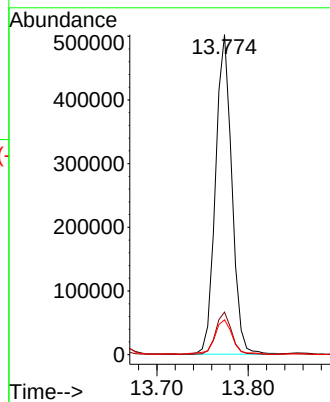
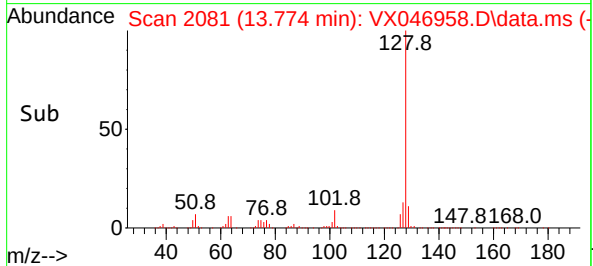
Instrument :
MSVOA_X
ClientSampleId :
GPX8



Tgt Ion:128 Resp: 621711
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.7 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046958.D
 Acq On : 10 Jul 2025 20:02
 Operator : JC/MD
 Sample : Q2480-08 10X
 Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GPX8

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Title : SW846 8260

Signal : TIC: VX046958.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.837	282	287	313	rVB	83606	238524	2.00%	0.217%
2	5.397	694	707	716	rBV3	224376	717341	6.03%	0.653%
3	5.556	716	733	742	rBV3	355425	1530151	12.86%	1.392%
4	5.836	767	779	791	rBV	257478	820219	6.89%	0.746%
5	5.964	791	800	819	rVV2	239149	711643	5.98%	0.648%
6	6.166	822	833	840	rVV4	83662	298763	2.51%	0.272%
7	6.257	841	848	858	rVV3	192471	632035	5.31%	0.575%
8	6.367	858	866	878	rVB2	97832	304344	2.56%	0.277%
9	6.617	896	907	923	rBV	280640	760858	6.39%	0.692%
10	6.769	923	932	941	rBV	582911	1579772	13.27%	1.438%
11	7.385	1021	1033	1045	rBV2	586465	1555752	13.07%	1.416%
12	7.501	1045	1052	1057	rBV2	126554	265654	2.23%	0.242%
13	7.562	1057	1062	1072	rVB	145592	319264	2.68%	0.291%
14	7.659	1072	1078	1090	rVB	119516	252064	2.12%	0.229%
15	7.775	1090	1097	1105	rVB2	131792	278736	2.34%	0.254%
16	7.988	1122	1132	1144	rVB4	171848	585585	4.92%	0.533%
17	8.104	1144	1151	1155	rBV2	184278	397228	3.34%	0.361%
18	8.190	1161	1165	1174	rVB4	182009	358656	3.01%	0.326%
19	8.275	1174	1179	1183	rVV	566308	1012266	8.50%	0.921%
20	8.318	1183	1186	1193	rVB2	310467	500123	4.20%	0.455%
21	8.440	1201	1206	1214	rBV	580306	1112122	9.34%	1.012%
22	8.507	1214	1217	1227	rVB3	167447	328064	2.76%	0.299%
23	8.604	1227	1233	1236	rBV3	468227	938759	7.89%	0.854%
24	8.647	1236	1240	1251	rVB	1327202	2389187	20.07%	2.174%
25	8.775	1251	1261	1265	rBV2	215317	467814	3.93%	0.426%
26	8.848	1270	1273	1278	rVB	155219	234020	1.97%	0.213%
27	8.915	1278	1284	1290	rBV2	764289	1285175	10.80%	1.170%
28	8.976	1290	1294	1306	rVB4	296724	678166	5.70%	0.617%
29	9.104	1306	1315	1320	rBV2	244430	520789	4.38%	0.474%
30	9.159	1320	1324	1328	rBV2	189070	274174	2.30%	0.250%
31	9.384	1355	1361	1365	rBV	335705	518428	4.36%	0.472%
32	9.500	1375	1380	1386	rBV3	449367	871330	7.32%	0.793%
33	9.561	1386	1390	1394	rVB	413958	565861	4.75%	0.515%
34	9.616	1394	1399	1403	rBV2	313332	546331	4.59%	0.497%
35	9.653	1403	1405	1416	rVB5	144175	366507	3.08%	0.334%
36	9.762	1416	1423	1428	rBV3	219918	424822	3.57%	0.387%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Title : SW846 8260

37	9.823	1428	1433	1437	rBV3	274168	577074	4.85%	0.525%
38	9.903	1442	1446	1451	rVB	1114419	1524619	12.81%	1.387%
39	10.006	1458	1463	1467	rBV	968002	1255257	10.55%	1.142%
40	10.055	1467	1471	1475	rVB	1266335	1631544	13.71%	1.485%
41	10.195	1489	1494	1499	rVB	1214114	1709469	14.36%	1.556%
42	10.275	1499	1507	1508	rVV3	248266	504732	4.24%	0.459%
43	10.305	1508	1512	1517	rVV	1453839	2174178	18.27%	1.979%
44	10.360	1517	1521	1532	rVB3	733049	1280236	10.76%	1.165%
45	10.586	1552	1558	1562	rBV2	434459	641920	5.39%	0.584%
46	10.671	1566	1572	1577	rBV	292936	512864	4.31%	0.467%
47	10.781	1582	1590	1594	rBV	639273	1068406	8.98%	0.972%
48	10.854	1594	1602	1606	rBV3	472353	792920	6.66%	0.722%
49	10.890	1606	1608	1614	rVB	186140	255869	2.15%	0.233%
50	10.963	1614	1620	1623	rBV	372912	592192	4.98%	0.539%
51	11.031	1627	1631	1634	rBV2	236094	294863	2.48%	0.268%
52	11.079	1634	1639	1642	rBV2	1514561	2119073	17.80%	1.928%
53	11.110	1642	1644	1650	rVB2	709518	943746	7.93%	0.859%
54	11.189	1650	1657	1660	rBV	668097	921387	7.74%	0.838%
55	11.305	1671	1676	1680	rBV	1002996	1221644	10.26%	1.112%
56	11.396	1686	1691	1695	rBV	2559287	3024869	25.41%	2.753%
57	11.451	1695	1700	1703	rBV	1922275	2391164	20.09%	2.176%
58	11.610	1722	1726	1734	rBV3	347332	699399	5.88%	0.636%
59	11.713	1740	1743	1745	rVV	311100	329406	2.77%	0.300%
60	11.750	1745	1749	1759	rVB	9755181	11902367	100.00%	10.832%
61	11.890	1769	1772	1776	rVB	280435	333315	2.80%	0.303%
62	11.939	1776	1780	1783	rBV3	216250	359701	3.02%	0.327%
63	12.018	1788	1793	1799	rBV3	1416628	2189345	18.39%	1.992%
64	12.085	1799	1804	1809	rBV	2481700	3333643	28.01%	3.034%
65	12.171	1816	1818	1825	rVB2	346036	406763	3.42%	0.370%
66	12.244	1825	1830	1837	rBV2	2124044	3294364	27.68%	2.998%
67	12.317	1837	1842	1848	rVB3	2579041	4259239	35.78%	3.876%
68	12.421	1849	1859	1862	rVV3	313397	673001	5.65%	0.612%
69	12.463	1862	1866	1872	rVB	819598	1114567	9.36%	1.014%
70	12.530	1872	1877	1879	rBV	1516135	2047415	17.20%	1.863%
71	12.555	1879	1881	1886	rVV	1469592	1654819	13.90%	1.506%
72	12.610	1886	1890	1894	rVV	2567501	3219351	27.05%	2.930%
73	12.640	1894	1895	1899	rVV	366078	335167	2.82%	0.305%
74	12.695	1899	1904	1913	rVB2	989841	1832803	15.40%	1.668%
75	12.792	1916	1920	1925	rBV6	107357	238471	2.00%	0.217%
76	12.847	1925	1929	1933	rVB	485409	576455	4.84%	0.525%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Title : SW846 8260

77	12.920	1933	1941	1944	rBV	1300156	1850501	15.55%	1.684%
78	12.963	1944	1948	1954	rVB	1783241	2411888	20.26%	2.195%
79	13.024	1954	1958	1959	rBV	396120	505001	4.24%	0.460%
80	13.042	1959	1961	1963	rVV2	483124	535258	4.50%	0.487%
81	13.067	1963	1965	1969	rVB	321468	331656	2.79%	0.302%
82	13.164	1974	1981	1985	rVB2	1179958	1608342	13.51%	1.464%
83	13.213	1985	1989	1992	rVB2	342955	421065	3.54%	0.383%
84	13.256	1992	1996	1998	rBV3	457092	716201	6.02%	0.652%
85	13.292	1998	2002	2007	rVB2	1955751	2654299	22.30%	2.416%
86	13.365	2012	2014	2019	rVB2	371521	461544	3.88%	0.420%
87	13.420	2019	2023	2032	rVB2	350521	639934	5.38%	0.582%
88	13.500	2032	2036	2039	rBV2	301205	433158	3.64%	0.394%
89	13.542	2039	2043	2046	rBV	514777	652998	5.49%	0.594%
90	13.579	2046	2049	2055	rVB3	580620	947494	7.96%	0.862%
91	13.664	2060	2063	2068	rVB2	428416	699347	5.88%	0.636%
92	13.774	2077	2081	2087	rVB	984910	1255120	10.55%	1.142%
93	13.920	2099	2105	2110	rBV4	308237	599528	5.04%	0.546%
94	13.969	2110	2113	2116	rVV	208905	277390	2.33%	0.252%
95	14.073	2126	2130	2137	rBV	403992	491858	4.13%	0.448%
96	14.213	2148	2153	2163	rBV	377242	684313	5.75%	0.623%
97	14.317	2166	2170	2175	rVV	185101	259026	2.18%	0.236%
98	14.371	2175	2179	2183	rVB	243056	296007	2.49%	0.269%
99	14.634	2214	2222	2233	rVB	1184823	1614210	13.56%	1.469%
100	14.774	2239	2245	2254	rVB	449661	661546	5.56%	0.602%

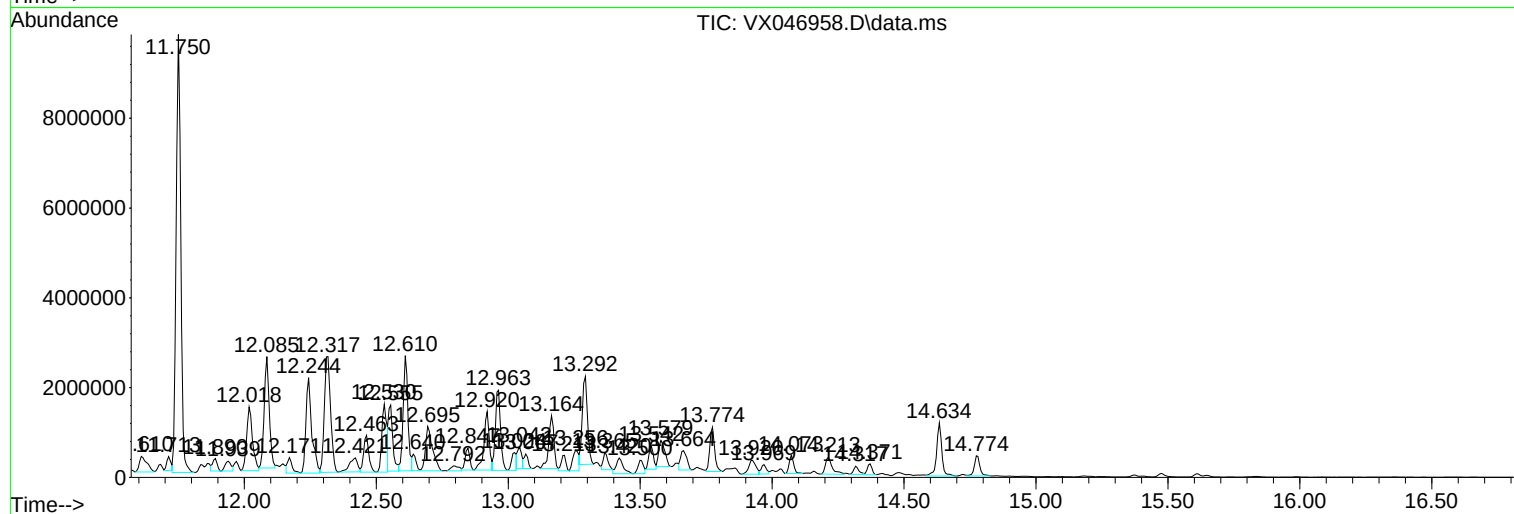
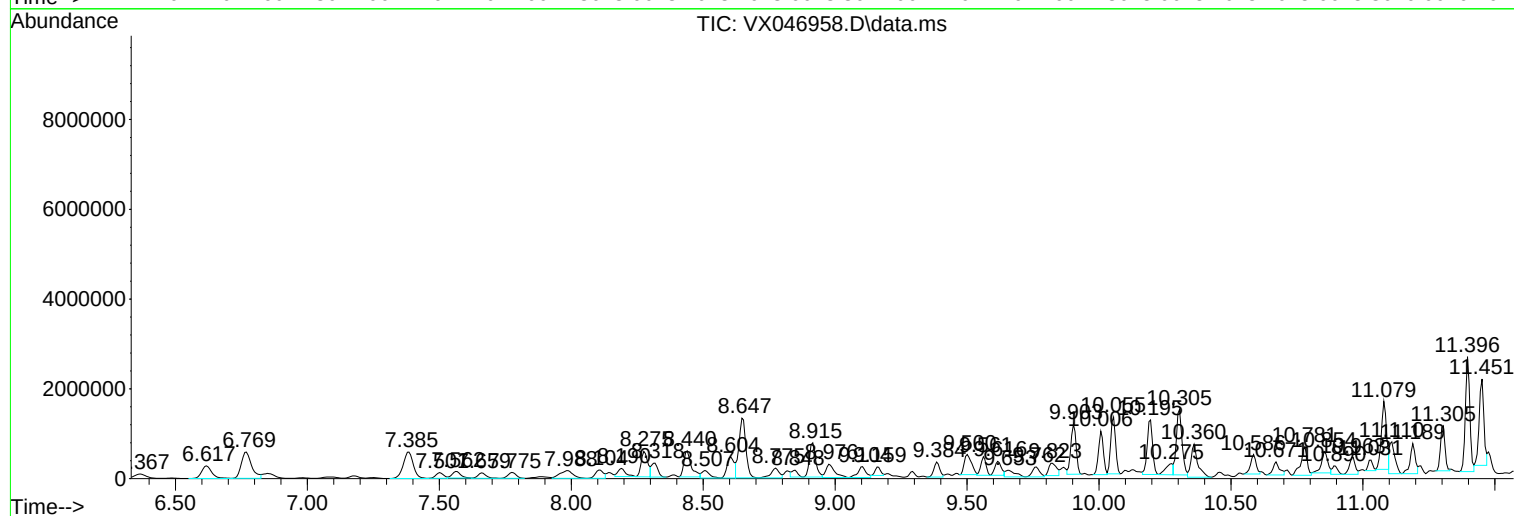
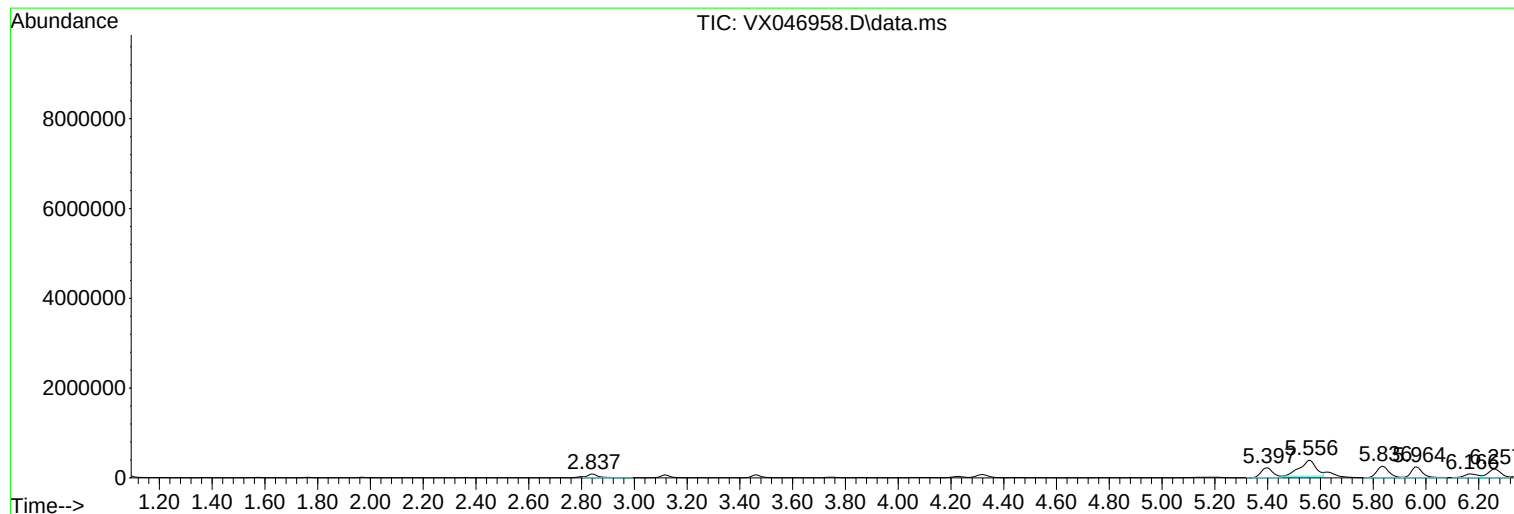
Sum of corrected areas: 109885828

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

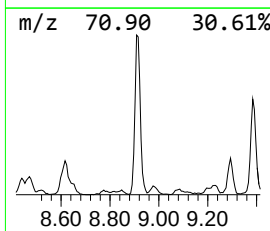
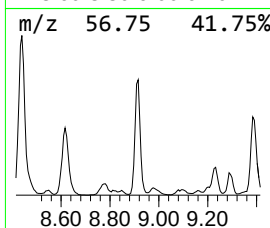
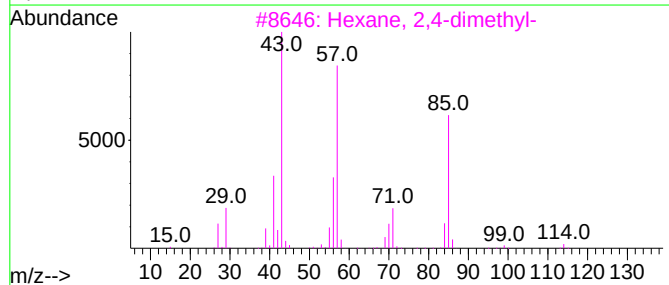
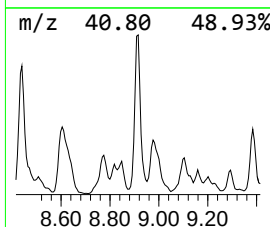
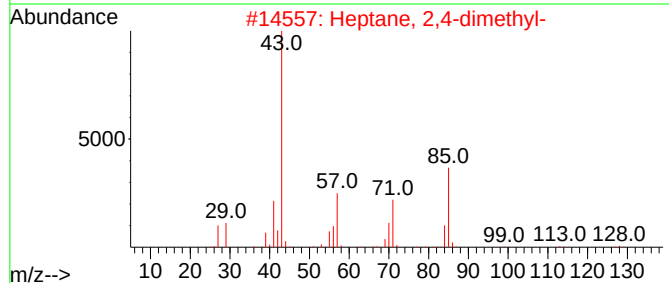
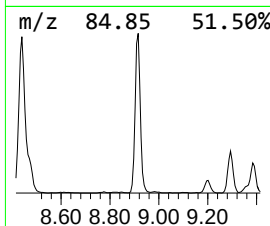
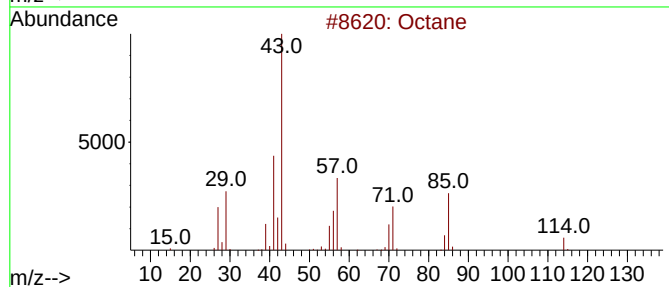
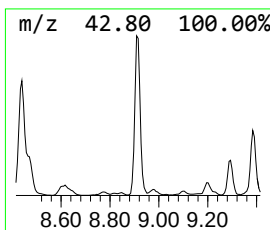
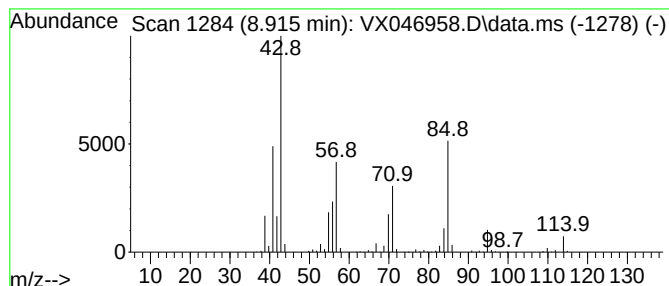
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Octane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.915	39.39 ug/l	1285180	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane	114	C8H18	000111-65-9	93
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
4			Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	59
5			Oxalic acid, diisohexyl ester	258	C14H26O4	1010309-32-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

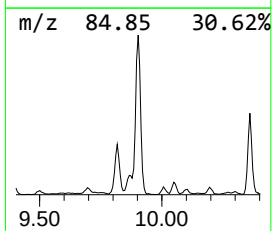
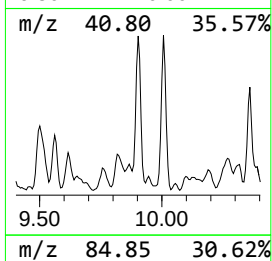
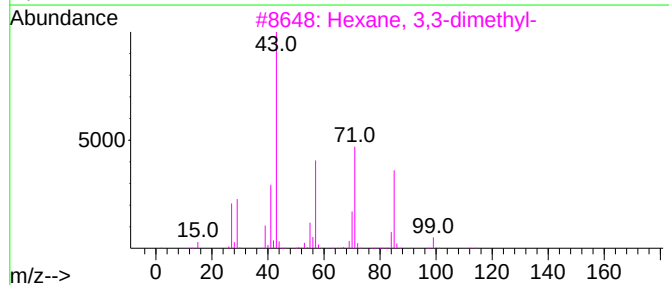
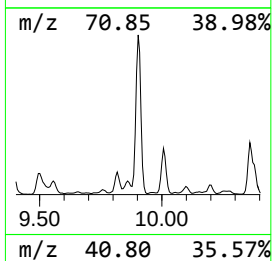
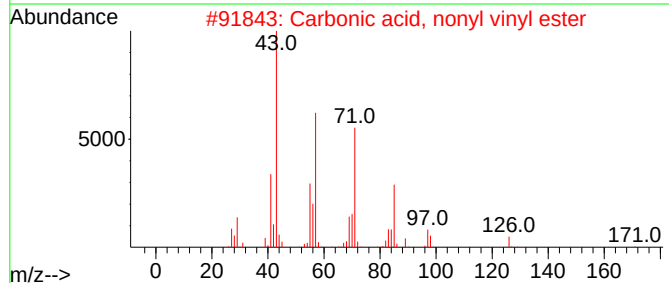
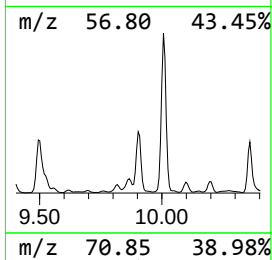
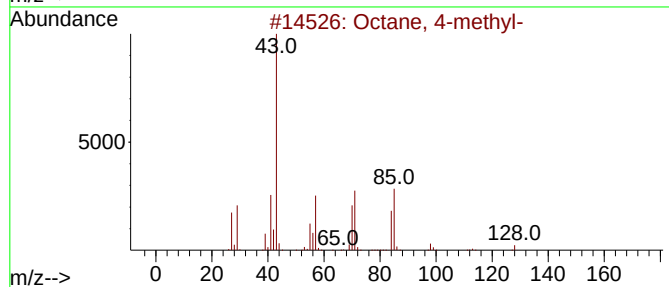
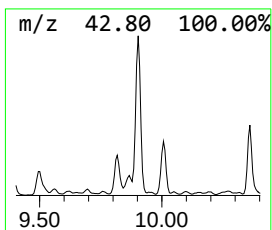
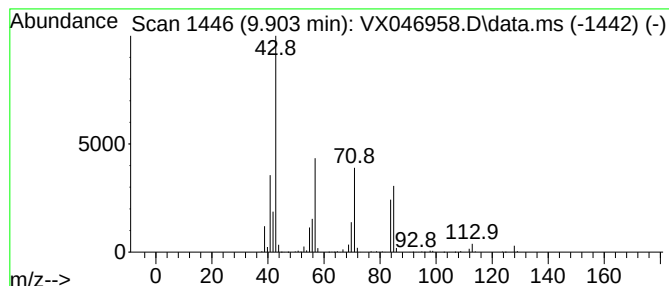
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Octane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.903	46.72 ug/l	1524620	Chlorobenzene-d5	10.055

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 4-methyl-	128	C9H20	002216-34-4	80
2		Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	72
3		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	53
5		Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

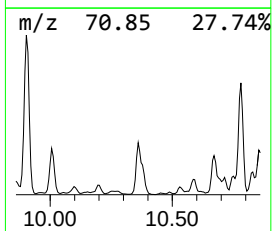
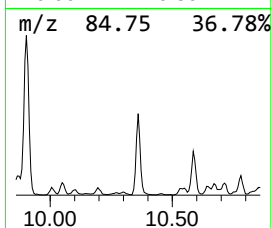
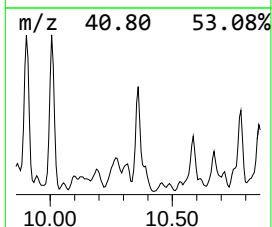
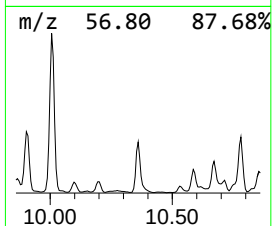
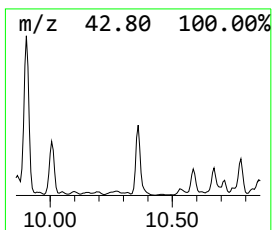
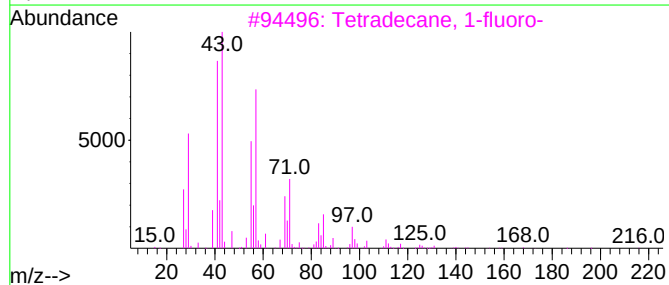
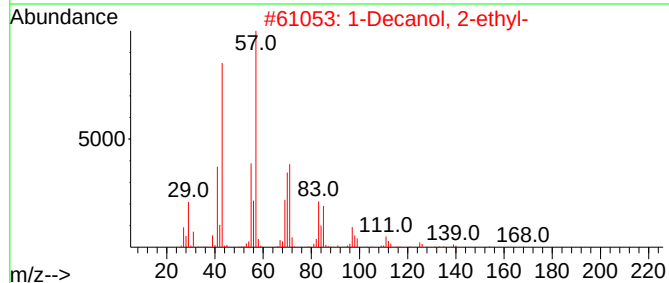
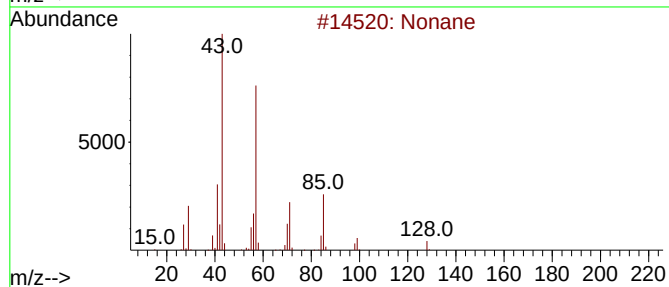
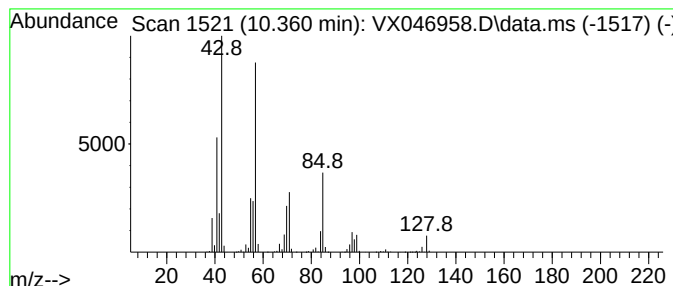
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Nonane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.360	39.23 ug/l	1280240	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane	128	C9H20	000111-84-2	93
2			1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	72
3			Tetradecane, 1-fluoro-	216	C14H29F	000593-33-9	59
4			Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	59
5			Octane	114	C8H18	000111-65-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

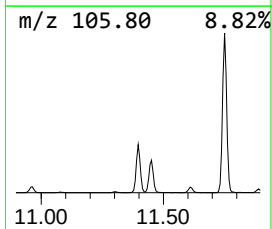
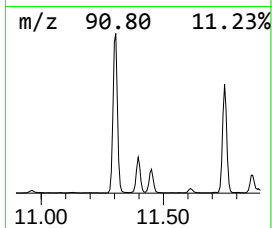
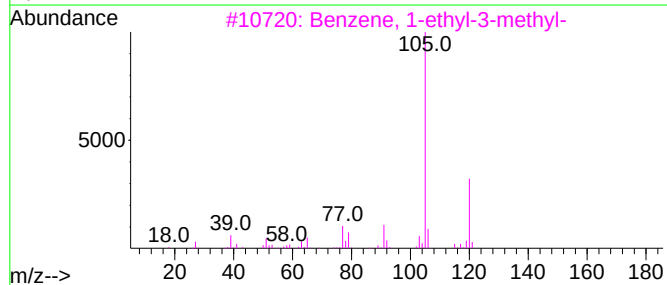
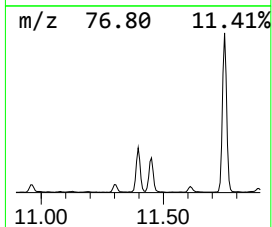
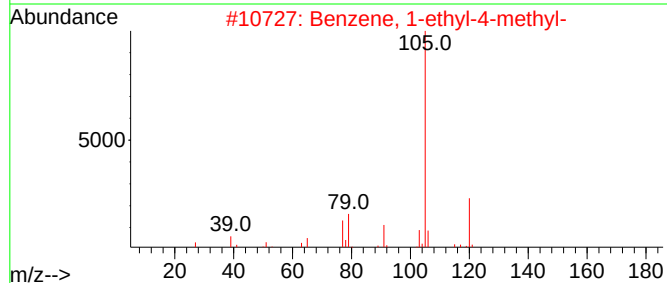
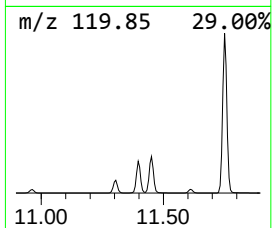
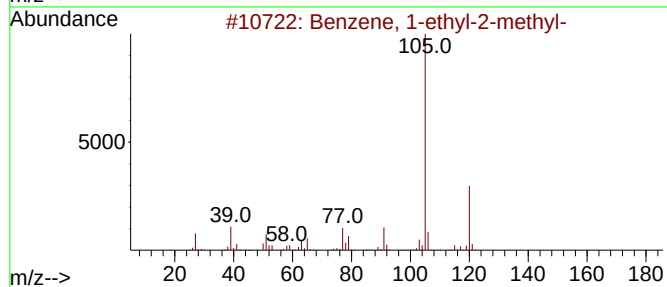
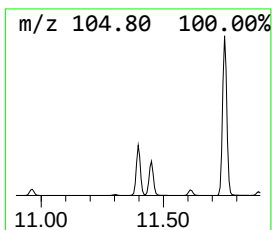
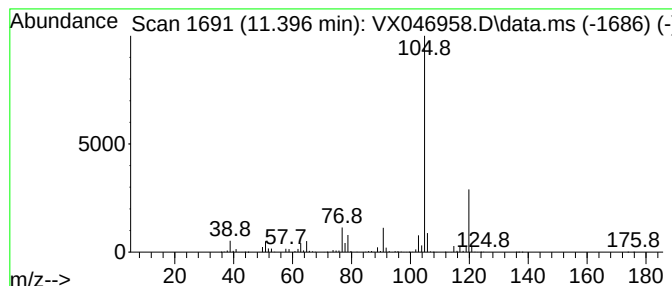
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.396	69.08 ug/l	3024870	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

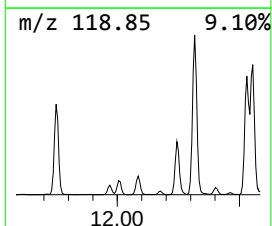
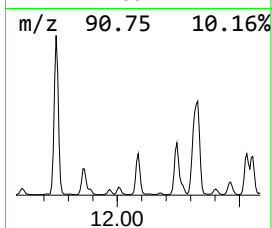
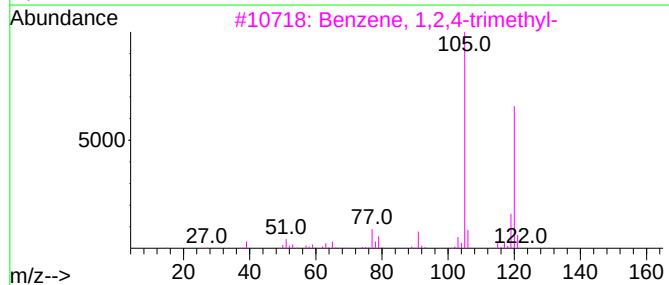
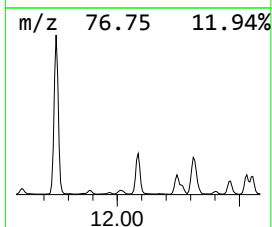
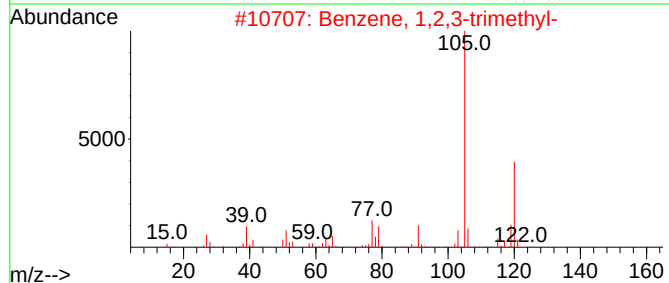
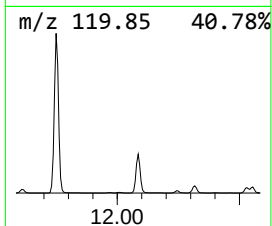
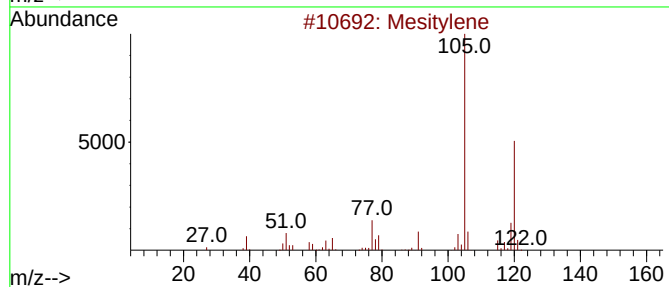
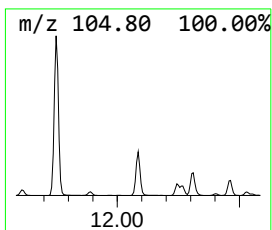
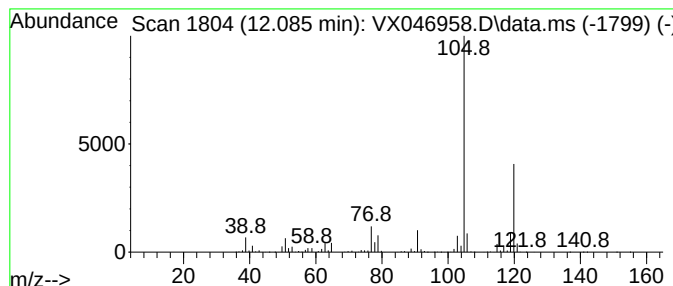
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.085	76.13 ug/l	3333640	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Mesitylene	120	C9H12	000108-67-8	97
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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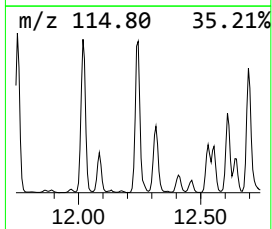
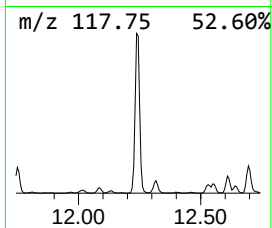
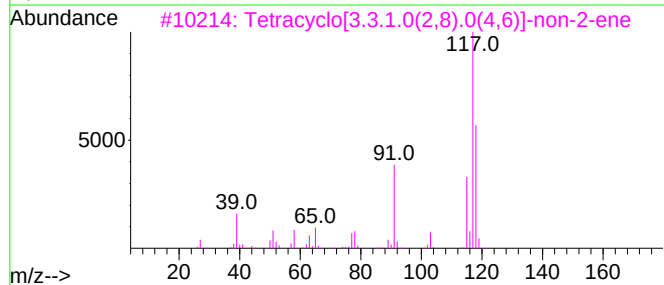
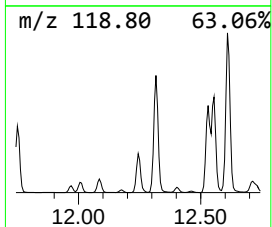
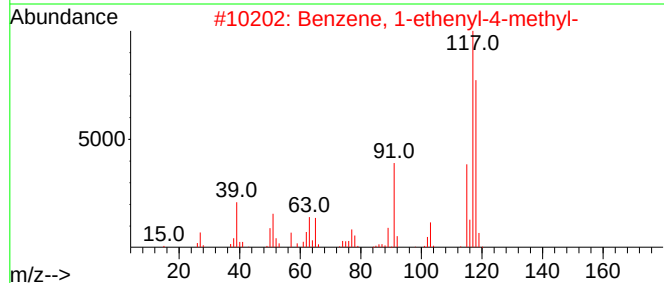
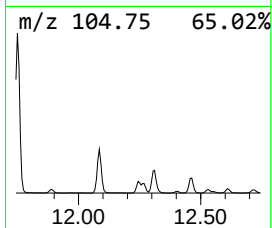
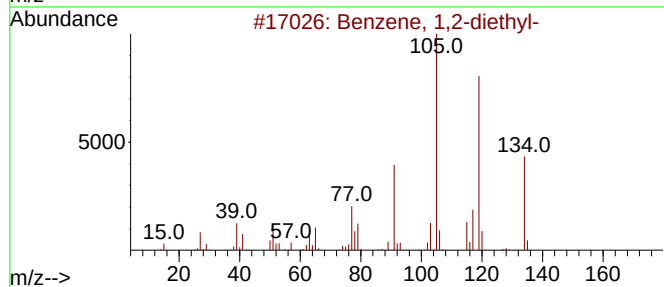
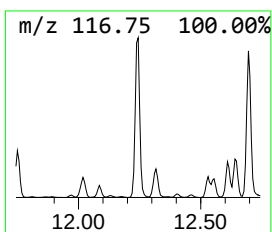
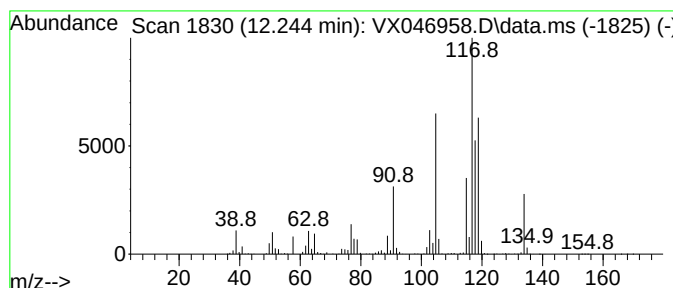
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 1,2-diethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	75.24 ug/l	3294360	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	83
2			Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
3			Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	60
4			Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
5			Benzene, 2-propenyl-	118	C9H10	000300-57-2	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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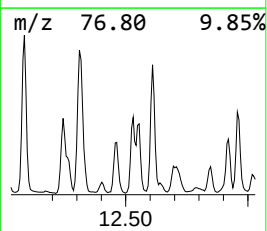
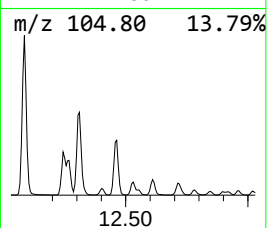
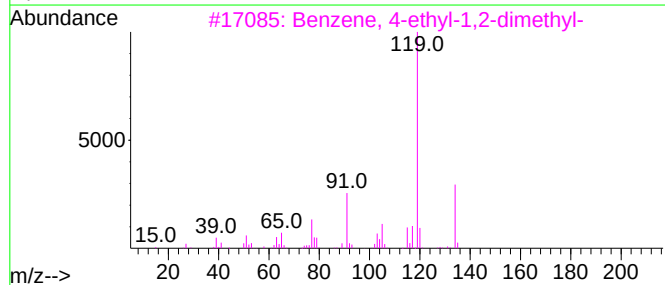
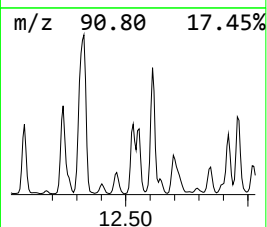
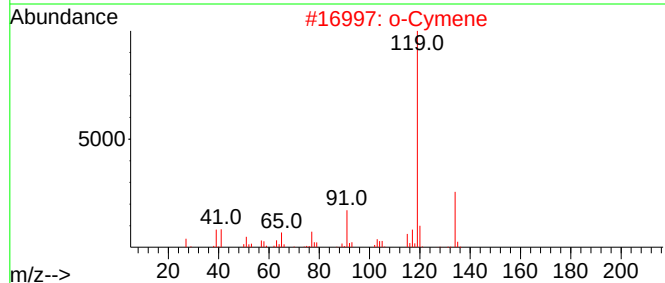
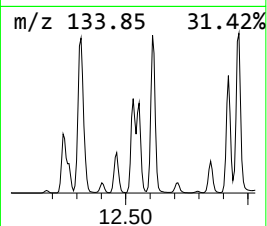
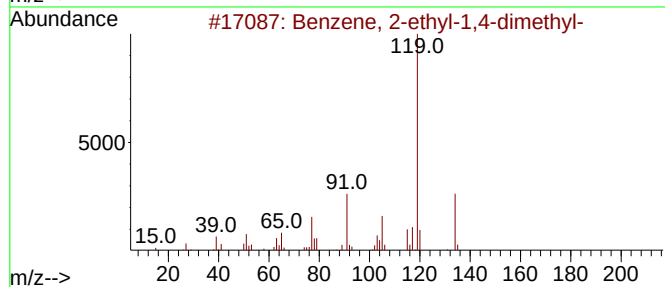
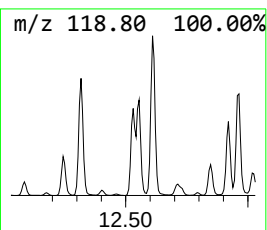
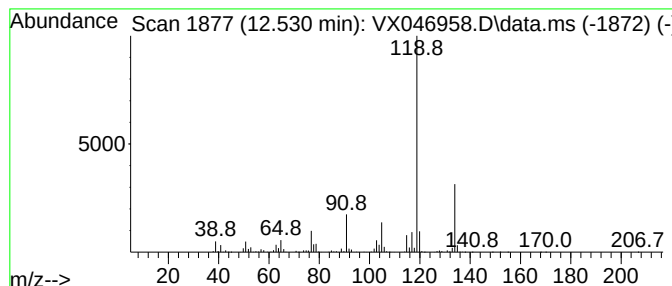
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.530	46.76 ug/l	2047420	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2			o-Cymene	134	C10H14	000527-84-4	95
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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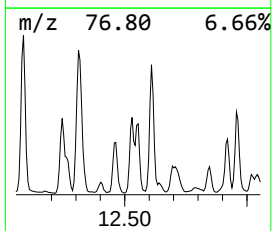
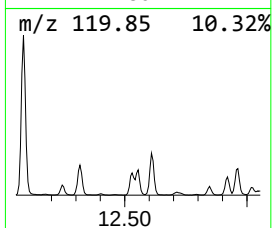
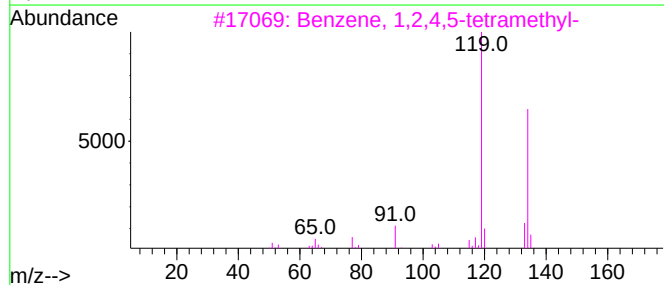
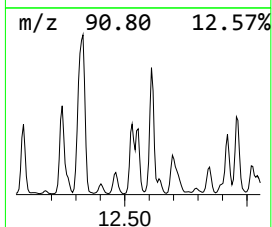
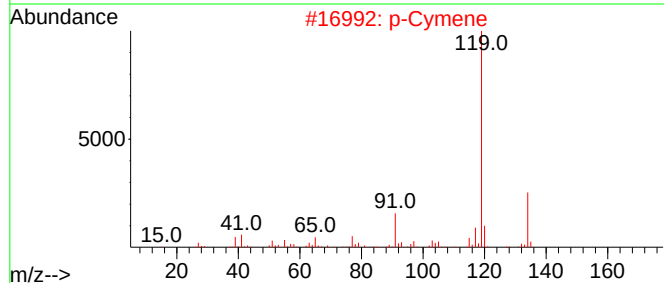
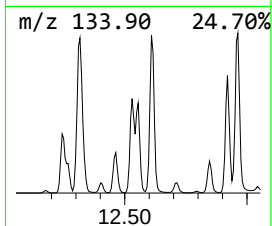
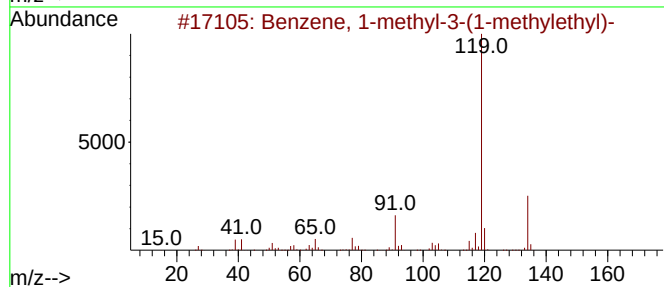
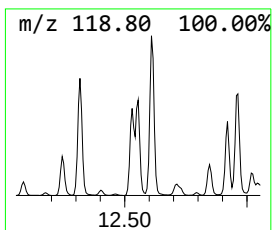
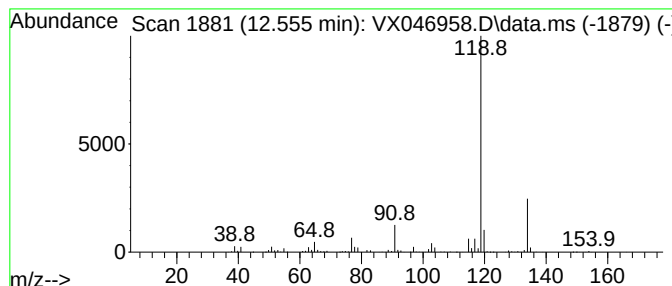
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 1-methyl-3-(1-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.555	37.79 ug/l	1654820	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2			p-Cymene	134	C10H14	000099-87-6	94
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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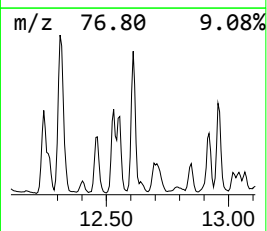
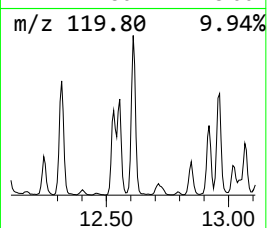
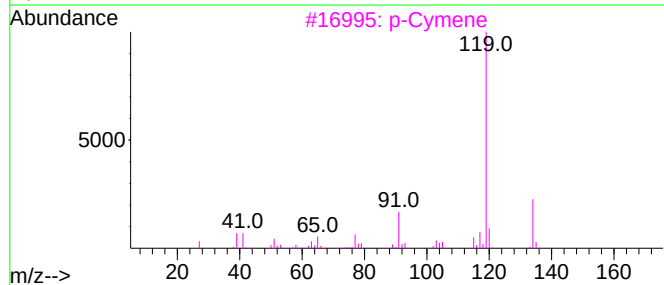
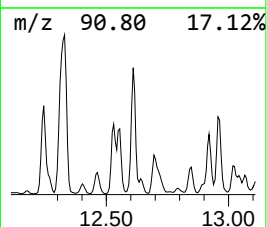
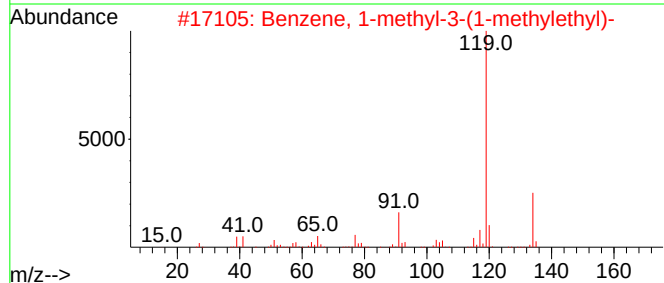
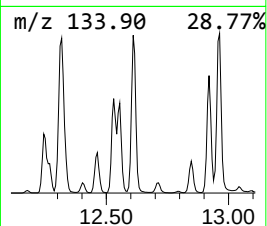
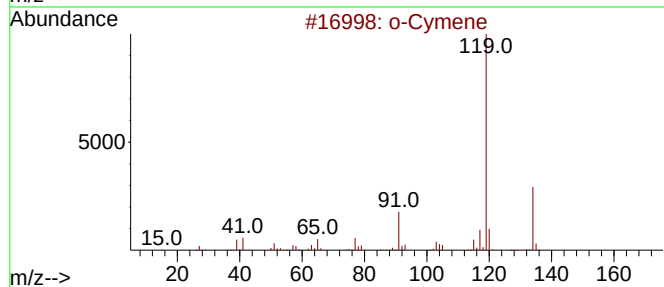
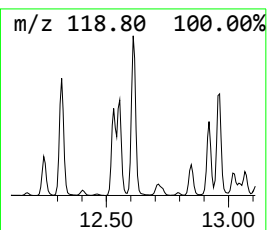
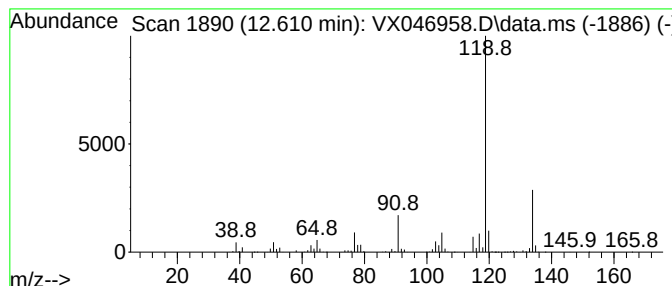
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.610	73.52 ug/l	3219350	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	97
2			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	95
3			p-Cymene	134	C10H14	000099-87-6	95
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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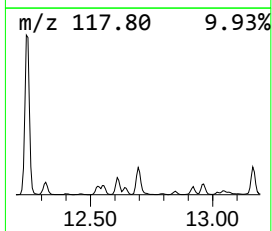
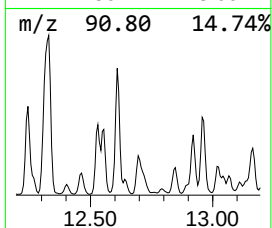
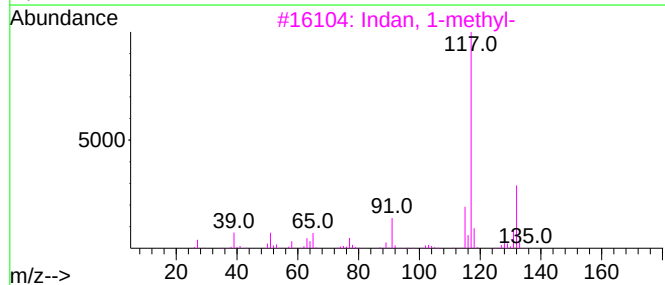
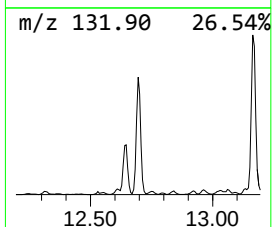
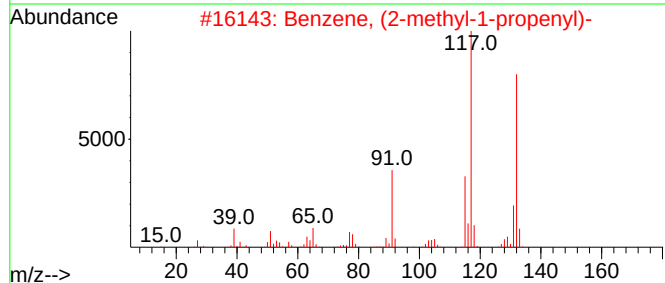
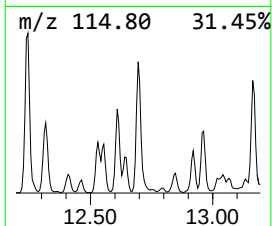
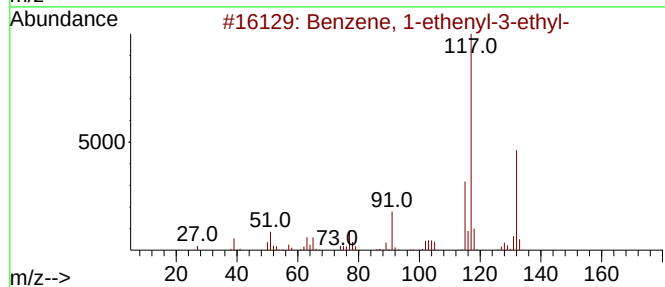
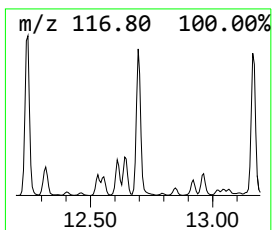
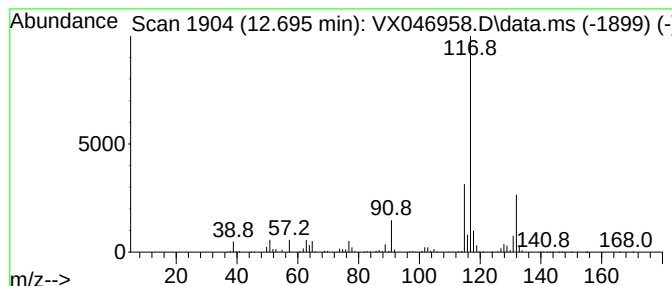
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.695	41.86 ug/l	1832800	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3			Indan, 1-methyl-	132	C10H12	000767-58-8	90
4			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
5			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

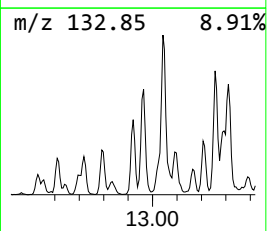
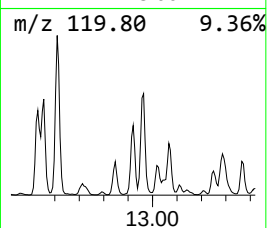
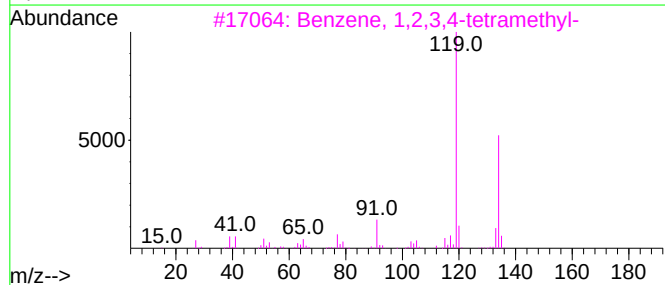
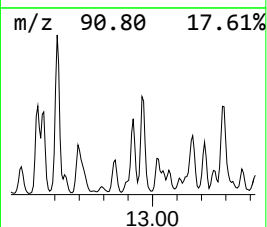
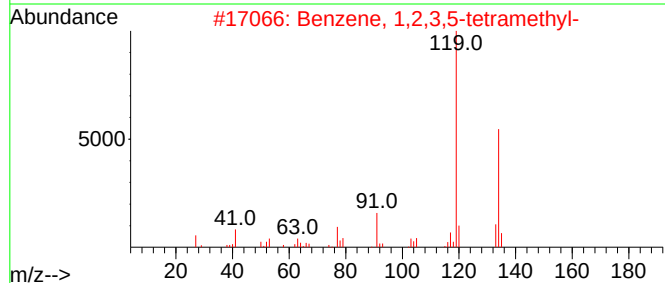
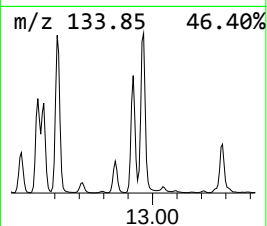
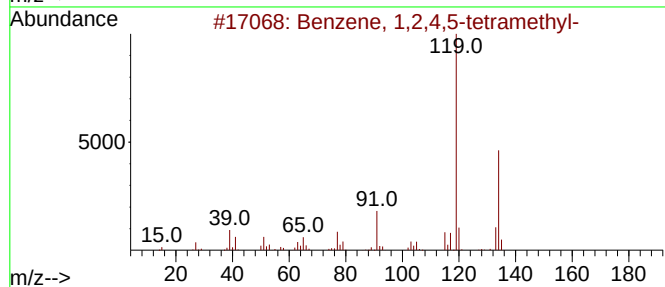
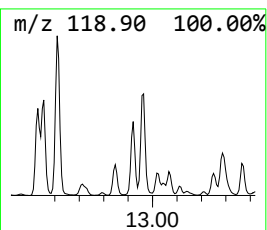
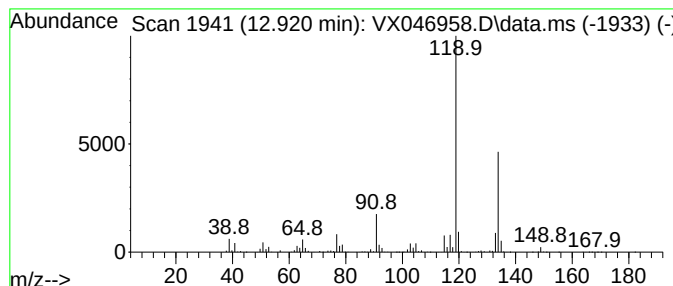
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	42.26 ug/l	1850500	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4			o-Cymene	134	C10H14	000527-84-4	91
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

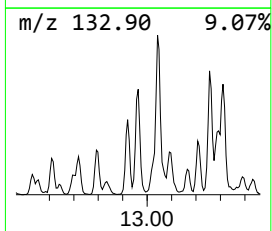
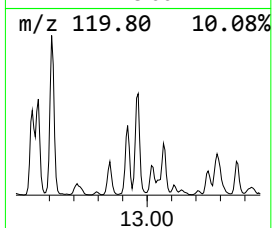
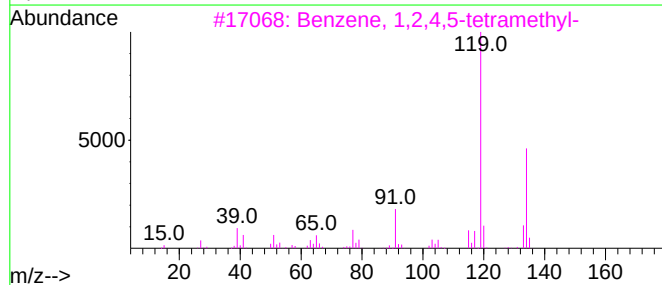
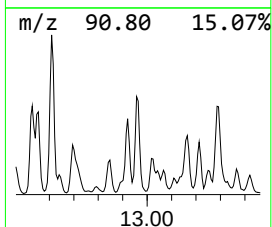
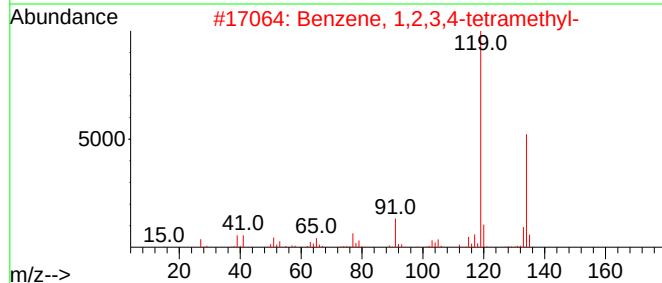
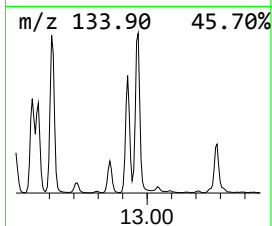
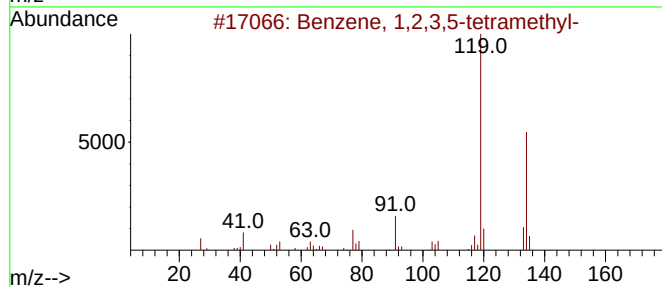
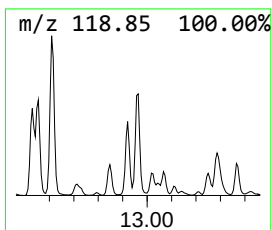
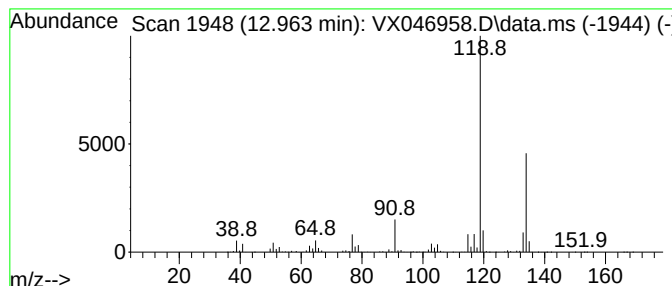
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.963	55.08 ug/l	2411890	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5			o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

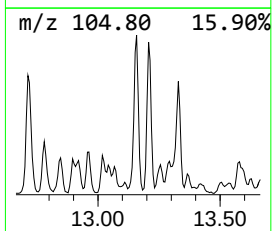
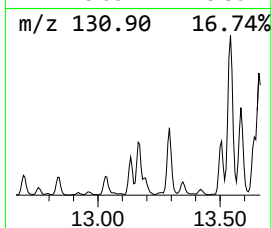
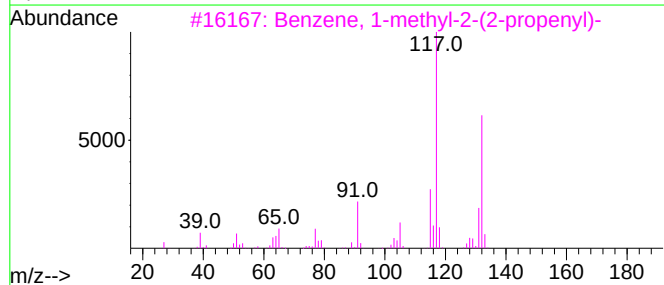
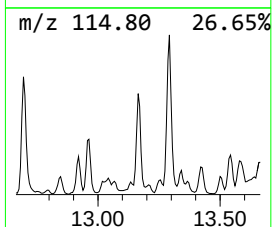
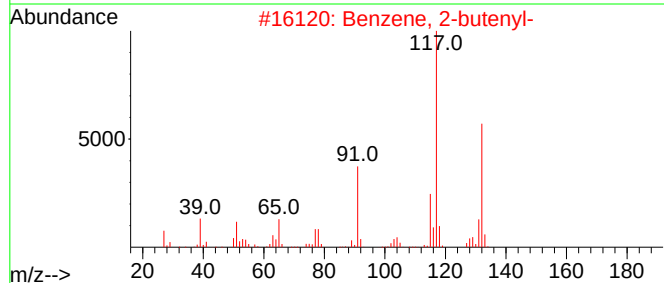
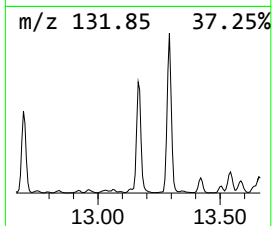
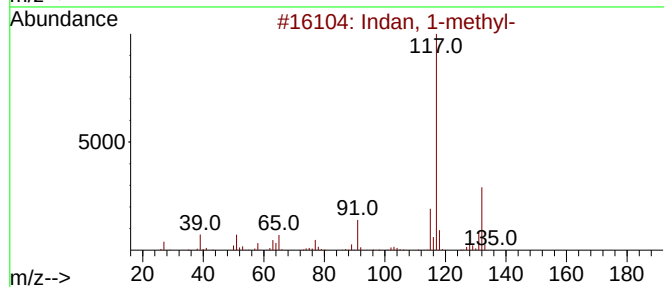
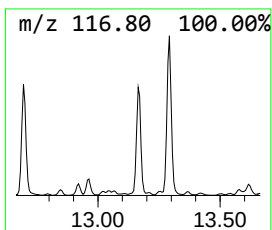
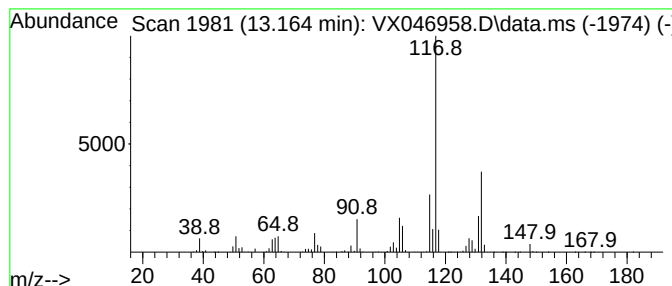
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Indan, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	36.73 ug/l	1608340	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	93
2			Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
3			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
4			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

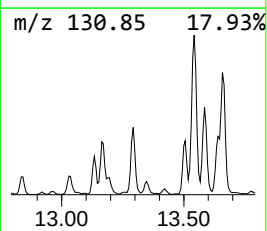
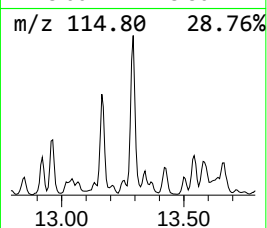
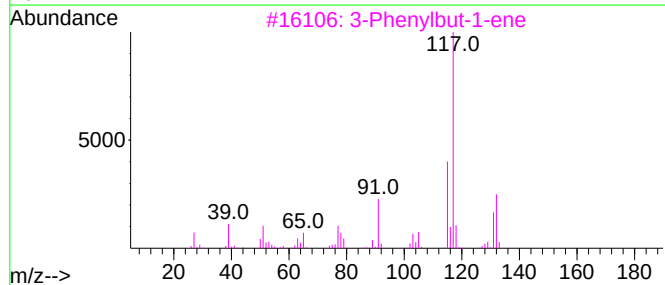
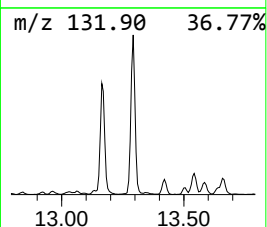
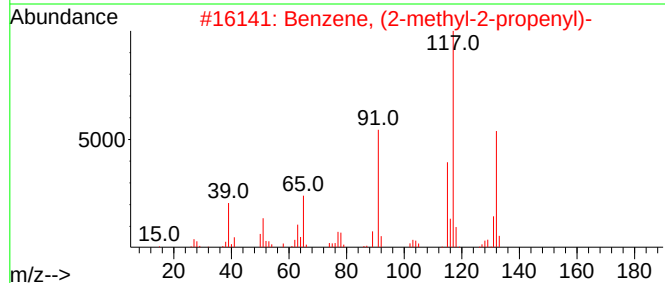
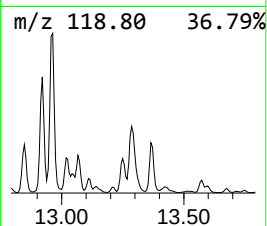
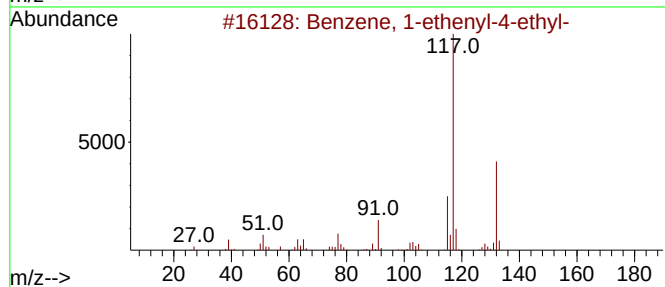
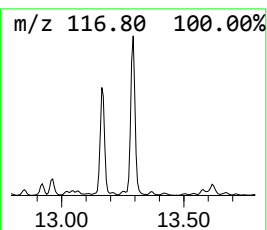
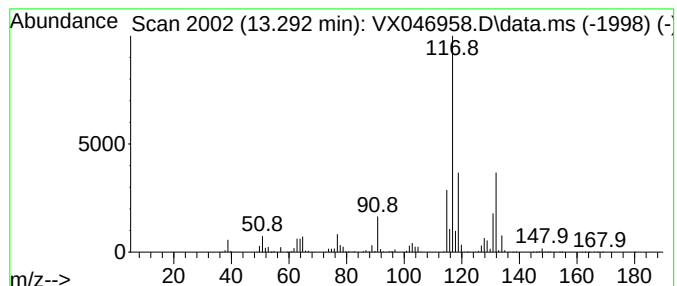
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	60.62 ug/l	2654300	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
2			Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	81
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
4			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
5			Indan, 1-methyl-	132	C10H12	000767-58-8	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

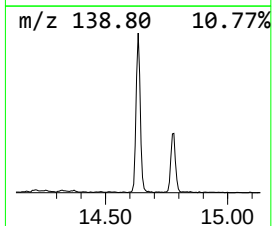
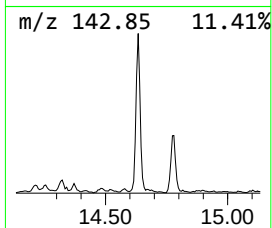
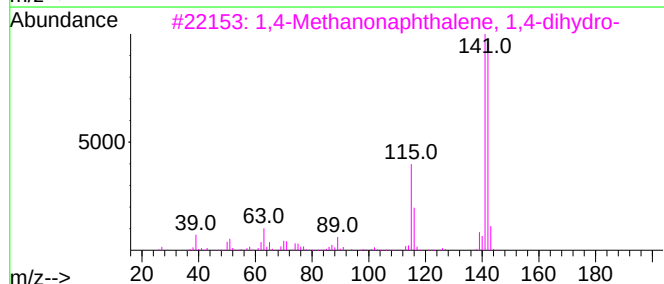
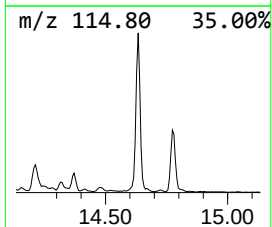
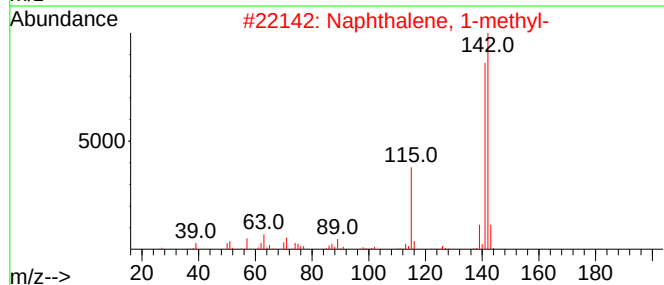
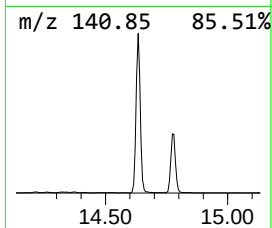
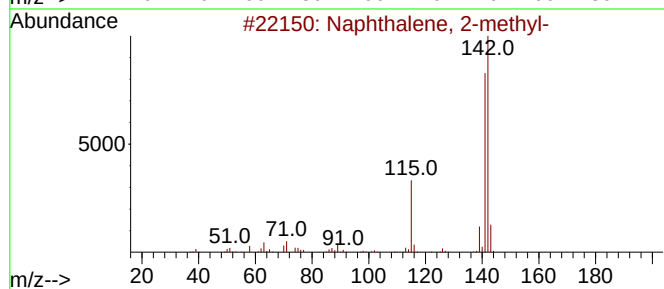
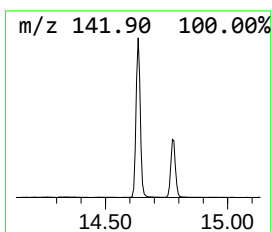
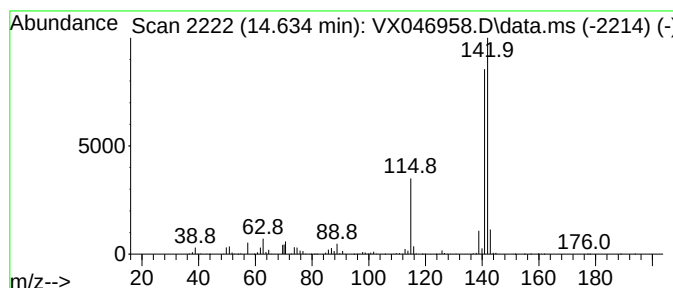
Instrument :
MSVOA_X
ClientSampleId :
GPX8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Naphthalene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.634	36.87 ug/l	1614210	1,4-Dichlorobenzene-d4	12.018	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
4	Benzocycloheptatriene	142	C11H10	000264-09-5	90
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046958.D
Acq On : 10 Jul 2025 20:02
Operator : JC/MD
Sample : Q2480-08 10X
Misc : 8.95g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GPX8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Octane	8.915	39.4	ug/l	1285180	3	10.055	1631540	50.0
Octane, 4-methyl-	9.903	46.7	ug/l	1524620	3	10.055	1631540	50.0
Nonane	10.360	39.2	ug/l	1280240	3	10.055	1631540	50.0
Benzene, 1-ethy...	11.396	69.1	ug/l	3024870	4	12.018	2189350	50.0
Benzene, 1,2,4-...	12.085	76.1	ug/l	3333640	4	12.018	2189350	50.0
Benzene, 1,2-di...	12.244	75.2	ug/l	3294360	4	12.018	2189350	50.0
Benzene, 2-ethy...	12.530	46.8	ug/l	2047420	4	12.018	2189350	50.0
Benzene, 1-meth...	12.555	37.8	ug/l	1654820	4	12.018	2189350	50.0
o-Cymene	12.610	73.5	ug/l	3219350	4	12.018	2189350	50.0
Benzene, 1-ethe...	12.695	41.9	ug/l	1832800	4	12.018	2189350	50.0
Benzene, 1,2,4,...	12.920	42.3	ug/l	1850500	4	12.018	2189350	50.0
Benzene, 1,2,3,...	12.963	55.1	ug/l	2411890	4	12.018	2189350	50.0
Indan, 1-methyl-	13.164	36.7	ug/l	1608340	4	12.018	2189350	50.0
Benzene, 1-ethe...	13.292	60.6	ug/l	2654300	4	12.018	2189350	50.0
Naphthalene, 2-...	14.634	36.9	ug/l	1614210	4	12.018	2189350	50.0



CALIBRATION SUMMARY



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG No.: Q2480
 Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VW031729.D		RRF010 = VW031730.D		RRF020 = VW031731.D			
		RRF050 = VW031732.D		RRF100 = VW031733.D		RRF150 = VW031734.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.3	
Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.1	
Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4	
Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.9	
Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.1	
Trichlorofluoromethane	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.7	
1,1,2-Trichlorotrifluoroethane	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.4	
1,1-Dichloroethene	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.4	
Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.8	
Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.5	
Methyl tert-butyl Ether	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.3	
Methyl Acetate	0.540	0.523	0.498	0.528	0.467	0.485	0.507	5.6	
Methylene Chloride	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.7	
trans-1,2-Dichloroethene	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.9	
1,1-Dichloroethane	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.1	
Cyclohexane	1.175	1.065	1.033	0.937	0.940	0.981	1.022	8.9	
2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.6	
Carbon Tetrachloride	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.2	
cis-1,2-Dichloroethene	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.5	
Bromochloromethane	0.531	0.501	0.535	0.504	0.500	0.489	0.510	3.7	
Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.2	
1,1,1-Trichloroethane	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.1	
Methylcyclohexane	0.573	0.571	0.604	0.566	0.592	0.619	0.587	3.6	
Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.4	
1,2-Dichloroethane	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.7	
Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.1	
1,2-Dichloropropane	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.7	
Bromodichloromethane	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.4	
4-Methyl-2-Pentanone	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.5	
Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.7	

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG No.: Q2480
 Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VW031729.D		RRF010 = VW031730.D		RRF020 = VW031731.D			
		RRF050 = VW031732.D		RRF100 = VW031733.D		RRF150 = VW031734.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.7	
cis-1,3-Dichloropropene	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.1	
1,1,2-Trichloroethane	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4	
2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.6	
Dibromochloromethane	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3	
1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.7	
Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.2	
Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.4	
Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.3	
m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.6	
o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.7	
Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.1	
Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.1	
Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.4	
1,1,2,2-Tetrachloroethane	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.2	
1,3-Dichlorobenzene	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.5	
1,4-Dichlorobenzene	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.4	
1,2-Dichlorobenzene	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.2	
1,2-Dibromo-3-Chloropropane	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.6	
1,2,4-Trichlorobenzene	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5	
1,2,3-Trichlorobenzene	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5	
1,2-Dichloroethane-d4	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.8	
Dibromofluoromethane	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.6	
Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.7	
4-Bromofluorobenzene	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.4	

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W063025S.M
 Title : SW846 8260
 Last Update : Tue Jul 01 03:35:17 2025
 Response Via : Initial Calibration

Calibration Files

5 =VW031729.D 10 =VW031730.D 20 =VW031731.D 50 =VW031732.D 100 =VW031733.D 150 =VW031734.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.35
3) P	Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.13
4) C	Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4.02#
5) T	Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.94
6) T	Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.11
7) T	Trichlorofluor...	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.71
8) T	Diethyl Ether	0.399	0.413	0.383	0.356	0.343	0.340	0.372	8.22
9) T	1,1,2-Trichlor...	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.39
10) T	Methyl Iodide	0.854	0.846	0.880	0.816	0.814	0.821	0.839	3.11
11) T	Tert butyl alc...	0.043	0.046	0.042	0.047	0.043	0.045	0.044	4.04
12) CM	1,1-Dichloroet...	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.43#
13) T	Acrolein	0.072	0.086	0.082	0.083	0.078	0.078	0.080	6.20
14) T	Allyl chloride	0.883	0.905	0.938	0.896	0.919	0.945	0.914	2.65
15) T	Acrylonitrile	0.177	0.186	0.182	0.191	0.181	0.181	0.183	2.68
16) T	Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.84
17) T	Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.54
18) T	Methyl Acetate	0.540	0.523	0.498	0.528	0.467	0.485	0.507	5.57
19) T	Methyl tert-bu...	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.27
20) T	Methylene Chlo...	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.75
21) T	trans-1,2-Dich...	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.92
22) T	Diisopropyl ether	1.706	1.791	1.872	1.795	1.764	1.769	1.783	3.03
23) T	Vinyl Acetate	1.111	1.178	1.240	1.256	1.246	1.276	1.218	5.09
24) P	1,1-Dichloroet...	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.07
25) T	2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.56
26) T	2,2-Dichloropr...	0.693	0.683	0.698	0.657	0.643	0.672	0.674	3.18
27) T	cis-1,2-Dichlo...	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.52
28) T	Bromochloromet...	0.531	0.501	0.535	0.504	0.500	0.489	0.510	3.68
29) T	Tetrahydrofuran	0.151	0.160	0.156	0.168	0.156	0.158	0.158	3.55
30) C	Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.17#
31) T	Cyclohexane	1.175	1.065	1.033	0.937	0.940	0.981	1.022	8.87
32) T	1,1,1-Trichlor...	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.09
33) S	1,2-Dichloroet...	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.82
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.63
36) T	1,1-Dichloropr...	0.477	0.473	0.497	0.456	0.463	0.467	0.472	3.03
37) T	Ethyl Acetate	0.314	0.299	0.305	0.303	0.281	0.285	0.298	4.14
38) T	Carbon Tetrach...	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.16
39) T	Methylcyclohexane	0.573	0.571	0.604	0.566	0.592	0.619	0.587	3.59
40) TM	Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.36
41) T	Methacrylonitrile	0.151	0.151	0.153	0.174	0.161	0.167	0.160	6.03
42) TM	1,2-Dichloroet...	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.69
43) T	Isopropyl Acetate	0.480	0.509	0.516	0.535	0.514	0.527	0.513	3.71
44) TM	Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.07
45) C	1,2-Dichloropr...	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.67#
46) T	Dibromomethane	0.228	0.217	0.227	0.219	0.206	0.210	0.218	4.08
47) T	Bromodichlorom...	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.39
48) T	Methyl methacr...	0.230	0.266	0.246	0.261	0.255	0.256	0.252	5.06
49) T	1,4-Dioxane	0.003	0.003	0.002	0.003	0.002	0.002	0.003	7.16
50) S	Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.67
51) T	4-Methyl-2-Pen...	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.54
52) CM	Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.67#
53) T	t-1,3-Dichloro...	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.74
54) T	cis-1,3-Dichlo...	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.09
55) T	1,1,2-Trichlor...	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4.04
56) T	Ethyl methacry...	0.355	0.366	0.381	0.410	0.402	0.410	0.387	6.08

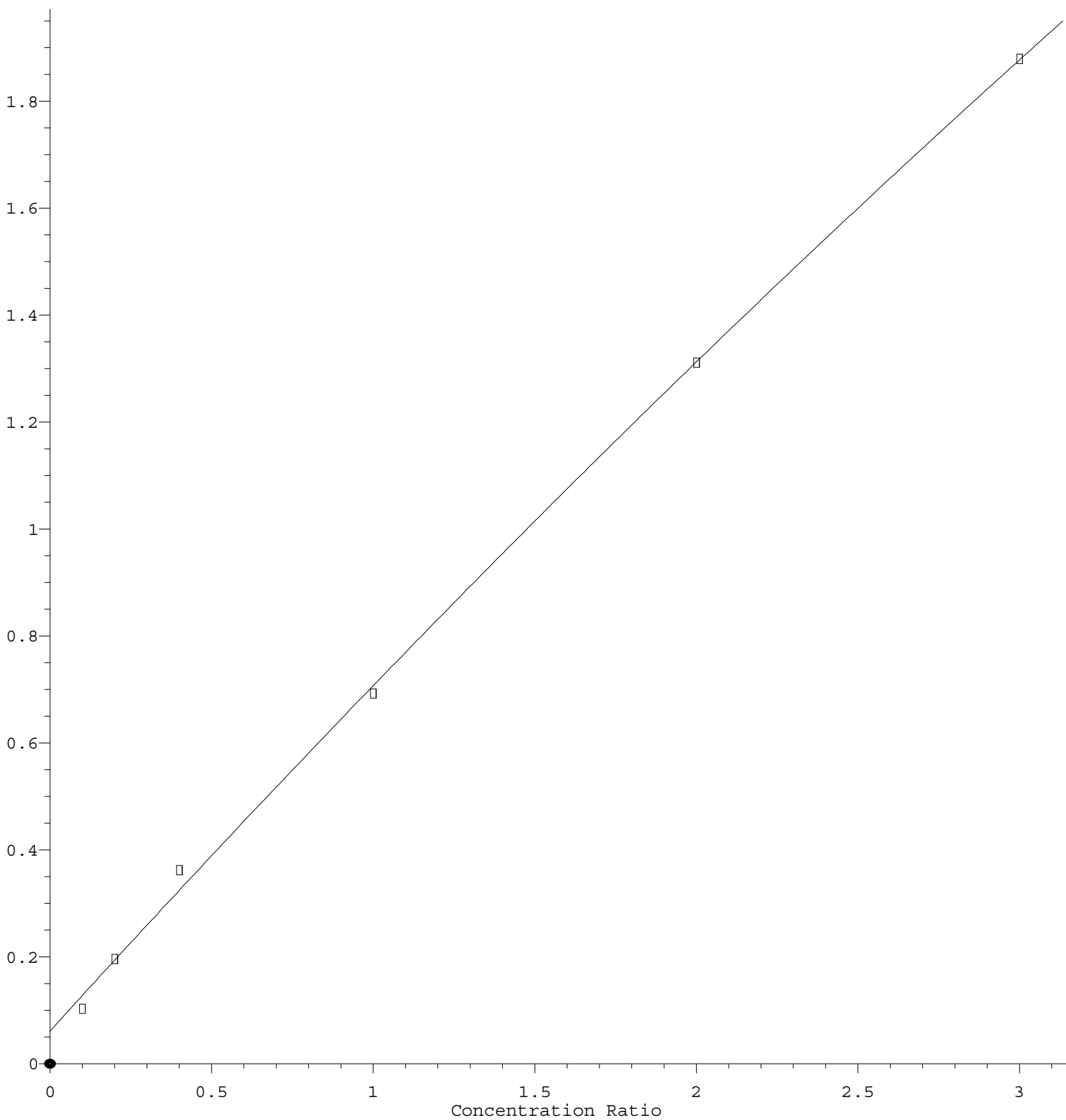
Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W063025S.M

57)	T	1,3-Dichloropr...	0.522	0.524	0.518	0.491	0.477	0.476	0.501	4.47
58)	T	2-Chloroethyl ...	0.196	0.199	0.220	0.225	0.223	0.216	0.213	5.93
59)	T	2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.63
60)	T	Dibromochlorom...	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3.04
61)	T	1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.66
62)	S	4-Bromofluorob...	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.38
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.15
65)	PM	Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.41
66)	T	1,1,1,2-Tetrac...	0.347	0.351	0.345	0.350	0.352	0.365	0.352	2.00
67)	C	Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.33#
68)	T	m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.58
69)	T	o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.72
70)	T	Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.10
71)	P	Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.07
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.38
74)	T	N-amyl acetate	0.934	0.970	0.953	1.067	1.096	1.132	1.025	8.11
75)	P	1,1,2,2-Tetrac...	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.16
76)	T	1,2,3-Trichlor...	0.693	0.651	0.611	0.652	0.617	0.652	0.646	4.56
77)	T	Bromobenzene	0.883	0.821	0.816	0.781	0.886	0.902	0.848	5.72
78)	T	n-propylbenzene	4.370	4.433	4.418	4.463	4.733	4.909	4.554	4.74
79)	T	2-Chlorotoluene	2.717	2.648	2.721	2.684	2.800	2.885	2.743	3.14
80)	T	1,3,5-Trimethy...	2.947	2.987	3.121	3.155	3.314	3.365	3.148	5.35
81)	T	trans-1,4-Dich...	0.245	0.272	0.249	0.291	0.299	0.309	0.277	9.55
82)	T	4-Chlorotoluene	2.935	2.802	2.837	2.822	2.901	2.978	2.879	2.43
83)	T	tert-Butylbenzene	2.532	2.560	2.642	2.613	2.838	2.995	2.697	6.73
84)	T	1,2,4-Trimethy...	3.054	3.078	3.192	3.122	3.292	3.399	3.190	4.20
85)	T	sec-Butylbenzene	3.914	3.877	3.937	3.987	4.185	4.386	4.048	4.90
86)	T	p-Isopropyltol...	3.123	3.166	3.292	3.275	3.517	3.643	3.336	6.10
87)	T	1,3-Dichlorobe...	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.55
88)	T	1,4-Dichlorobe...	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.40
89)	T	n-Butylbenzene	3.126	3.110	3.134	3.176	3.389	3.511	3.241	5.17
90)	T	Hexachloroethane	0.573	0.567	0.566	0.592	0.638	0.675	0.602	7.45
91)	T	1,2-Dichlorobe...	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.20
92)	T	1,2-Dibromo-3-...	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.55
93)	T	1,2,4-Trichlor...	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5.03
94)	T	Hexachlorobuta...	0.474	0.469	0.438	0.414	0.493	0.489	0.463	6.67
95)	T	Naphthalene	2.185	2.107	2.155	2.395	2.610	2.653	2.351	10.17
96)	T	1,2,3-Trichlor...	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5.04

(#) = Out of Range

Methylene Chloride

Response Ratio



$R = -2.021e-002 A^2 + 6.660e-001 A + 6.133e-002$
 Coef of Det (r^2) = 0.999086 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W063025S.M
 Calibration Table Last Updated: Tue Jul 01 03:35:17 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031729.D
 Acq On : 30 Jun 2025 09:54
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	228987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	410655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	361730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	16728	5.090	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.180%#		
35) Dibromofluoromethane	7.904	113	13228	4.936	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	9.880%#		
50) Toluene-d8	10.331	98	46017	4.615	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	9.220%#		
62) 4-Bromofluorobenzene	12.617	95	17925	4.884	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	9.760%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	7562	4.849	ug/l	100
3) Chloromethane	2.247	50	9357	4.977	ug/l	98
4) Vinyl Chloride	2.405	62	11970	4.844	ug/l	98
5) Bromomethane	2.820	94	9829	5.092	ug/l #	78
6) Chloroethane	2.966	64	8474	5.048	ug/l #	83
7) Trichlorofluoromethane	3.302	101	11652	5.192	ug/l	95
8) Diethyl Ether	3.722	74	9130	5.354	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.094	101	13215	5.305	ug/l	98
10) Methyl Iodide	4.314	142	19559	5.093	ug/l	98
11) Tert butyl alcohol	5.222	59	4942m	24.274	ug/l	
12) 1,1-Dichloroethene	4.082	96	13793	5.055	ug/l	93
13) Acrolein	3.936	56	8223	22.472	ug/l #	82
14) Allyl chloride	4.704	41	20213	4.828	ug/l	98
15) Acrylonitrile	5.405	53	20292	24.197	ug/l	97
16) Acetone	4.161	43	27204m	33.285	ug/l	
17) Carbon Disulfide	4.417	76	35984	4.928	ug/l #	95
18) Methyl Acetate	4.710	43	12364	5.326	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	23058	4.979	ug/l	94
20) Methylene Chloride	4.948	84	23553	3.124	ug/l	96
21) trans-1,2-Dichloroethene	5.466	96	14541	5.015	ug/l	98
22) Diisopropyl ether	6.344	45	39057	4.784	ug/l #	90
23) Vinyl Acetate	6.283	43	127146	22.799	ug/l	100
24) 1,1-Dichloroethane	6.252	63	26423	4.992	ug/l	98
25) 2-Butanone	7.197	43	25644	24.268	ug/l	96
26) 2,2-Dichloropropane	7.191	77	15875	5.140	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	16273	4.883	ug/l	99
28) Bromochloromethane	7.526	49	12169	5.210	ug/l #	12
29) Tetrahydrofuran	7.557	42	17271	23.866	ug/l	99
30) Chloroform	7.691	83	28162	5.007	ug/l	97
31) Cyclohexane	7.965	56	26905	5.750	ug/l #	82
32) 1,1,1-Trichloroethane	7.886	97	21367	4.929	ug/l	96
36) 1,1-Dichloropropene	8.093	75	19574	5.048	ug/l	98
37) Ethyl Acetate	7.276	43	12878m	5.265	ug/l	
38) Carbon Tetrachloride	8.081	117	19576	4.954	ug/l	97
39) Methylcyclohexane	9.343	83	23529	4.877	ug/l	94
40) Benzene	8.337	78	57889	5.046	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031729.D
 Acq On : 30 Jun 2025 09:54
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	6190	4.724	ug/l #	90
42) 1,2-Dichloroethane	8.416	62	20133	5.194	ug/l	99
43) Isopropyl Acetate	8.441	43	19704	4.673	ug/l	97
44) Trichloroethene	9.105	130	14112	4.928	ug/l	98
45) 1,2-Dichloropropane	9.374	63	14286	5.152	ug/l	95
46) Dibromomethane	9.465	93	9383	5.242	ug/l	98
47) Bromodichloromethane	9.654	83	20888	4.976	ug/l	98
48) Methyl methacrylate	9.441	41	9461	4.563	ug/l	98
49) 1,4-Dioxane	9.471	88	2322m	121.843	ug/l	
51) 4-Methyl-2-Pentanone	10.215	43	58525	24.143	ug/l	100
52) Toluene	10.392	92	36200	4.928	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	17756	4.508	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	21091	4.724	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	12285	5.239	ug/l	95
56) Ethyl methacrylate	10.648	69	14584	4.584	ug/l	97
57) 1,3-Dichloropropane	10.934	76	21432	5.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	40271	22.989	ug/l	99
59) 2-Hexanone	10.971	43	37987	23.125	ug/l	96
60) Dibromochloromethane	11.129	129	13506	4.817	ug/l	98
61) 1,2-Dibromoethane	11.239	107	11844	5.046	ug/l	99
64) Tetrachloroethene	10.867	164	11991	5.068	ug/l	95
65) Chlorobenzene	11.654	112	40816	5.114	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.733	131	12551	4.935	ug/l	96
67) Ethyl Benzene	11.733	91	67293	4.862	ug/l	99
68) m/p-Xylenes	11.837	106	49892	9.378	ug/l	97
69) o-Xylene	12.166	106	22994	4.668	ug/l	98
70) Styrene	12.178	104	38573	4.530	ug/l	96
71) Bromoform	12.349	173	7112	4.688	ug/l #	96
73) Isopropylbenzene	12.465	105	62409	4.790	ug/l	98
74) N-amyl acetate	12.269	43	15998	4.555	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.715	83	15264	5.277	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	11866m	5.361	ug/l	
77) Bromobenzene	12.745	156	15131	5.207	ug/l	89
78) n-propylbenzene	12.800	91	74850	4.797	ug/l	99
79) 2-Chlorotoluene	12.891	91	46542	4.954	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	50477	4.680	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	4189	4.408	ug/l #	81
82) 4-Chlorotoluene	12.989	91	50283	5.098	ug/l	100
83) tert-Butylbenzene	13.202	119	43370	4.694	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	52319	4.788	ug/l	97
85) sec-Butylbenzene	13.379	105	67046	4.835	ug/l	99
86) p-Isopropyltoluene	13.489	119	53492	4.681	ug/l	98
87) 1,3-Dichlorobenzene	13.501	146	30342	5.206	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	31083	5.211	ug/l	92
89) n-Butylbenzene	13.818	91	53555	4.823	ug/l	97
90) Hexachloroethane	14.086	117	9816	4.761	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	27395	5.143	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2902	5.138	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	16524	5.030	ug/l	97
94) Hexachlorobutadiene	15.226	225	8122	5.120	ug/l	88
95) Naphthalene	15.360	128	37422	4.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	14775	4.895	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

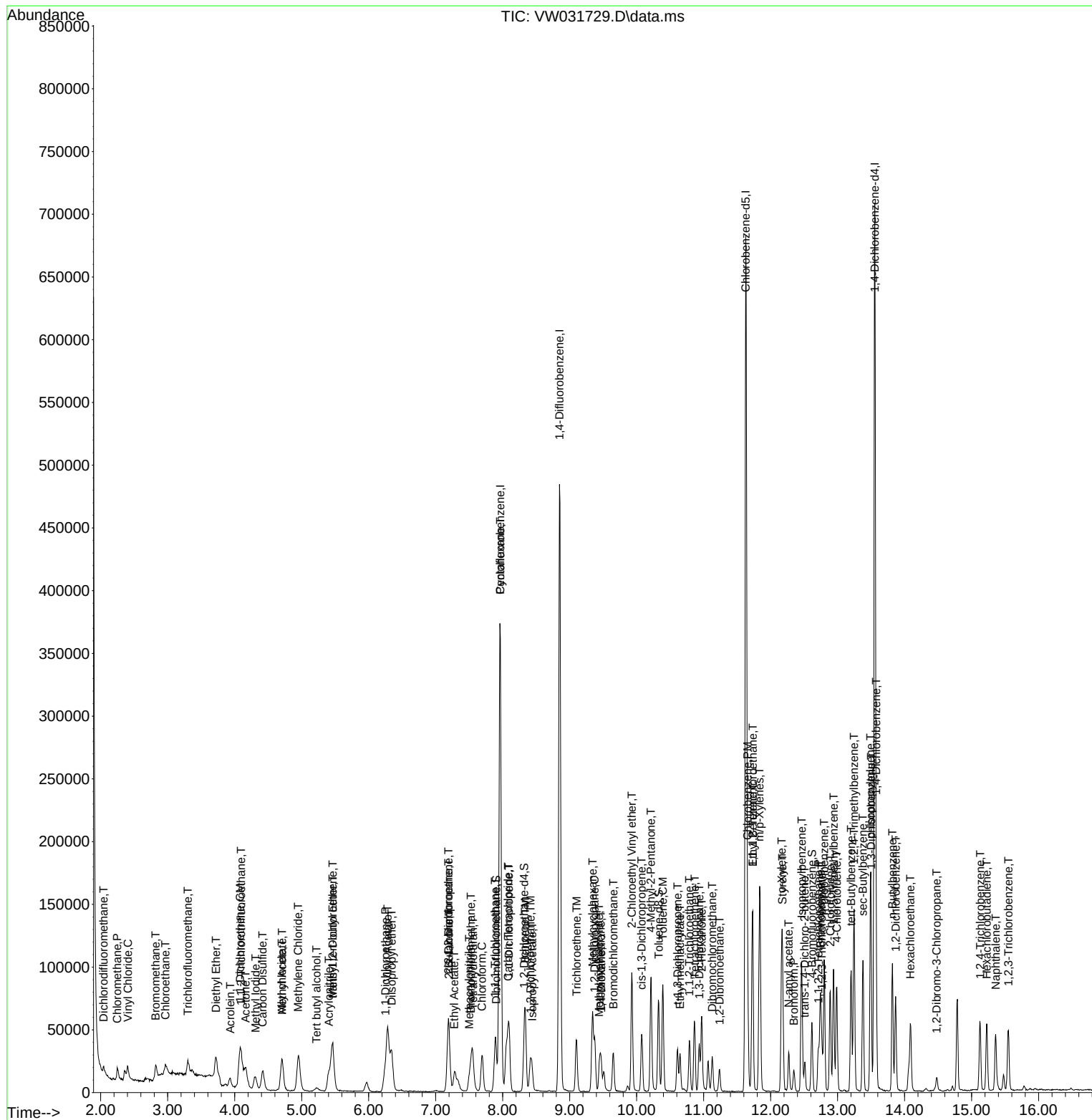
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031730.D
 Acq On : 30 Jun 2025 10:15
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	216272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	387016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	345396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	31661	10.201	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.400%#		
35) Dibromofluoromethane	7.898	113	25109	9.942	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	19.880%#		
50) Toluene-d8	10.325	98	96344	10.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.500%#		
62) 4-Bromofluorobenzene	12.617	95	34948	10.105	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	16044	10.893	ug/l	94
3) Chloromethane	2.253	50	17744	9.993	ug/l	99
4) Vinyl Chloride	2.405	62	23112	9.902	ug/l	95
5) Bromomethane	2.820	94	18643	10.226	ug/l	94
6) Chloroethane	2.966	64	16074	10.139	ug/l	91
7) Trichlorofluoromethane	3.308	101	21990	10.374	ug/l	94
8) Diethyl Ether	3.722	74	17881	11.102	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.100	101	24340	10.346	ug/l	99
10) Methyl Iodide	4.313	142	36597	10.090	ug/l	99
11) Tert butyl alcohol	5.234	59	10031m	52.167	ug/l	
12) 1,1-Dichloroethene	4.076	96	27046	10.495	ug/l	95
13) Acrolein	3.929	56	18553	53.683	ug/l	100
14) Allyl chloride	4.704	41	39145	9.900	ug/l	100
15) Acrylonitrile	5.405	53	40289	50.867	ug/l	99
16) Acetone	4.161	43	41372	53.597	ug/l	97
17) Carbon Disulfide	4.417	76	68668	9.958	ug/l	98
18) Methyl Acetate	4.710	43	22628	10.321	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	44040	10.069	ug/l	95
20) Methylene Chloride	4.960	84	42368	10.166	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	26955	9.844	ug/l	87
22) Diisopropyl ether	6.344	45	77462	10.045	ug/l	95
23) Vinyl Acetate	6.283	43	254825	48.380	ug/l	98
24) 1,1-Dichloroethane	6.240	63	50299	10.061	ug/l	99
25) 2-Butanone	7.197	43	48340	48.435	ug/l	97
26) 2,2-Dichloropropane	7.185	77	29549	10.130	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	30687	9.749	ug/l	99
28) Bromochloromethane	7.532	49	21655	9.815	ug/l	98
29) Tetrahydrofuran	7.557	42	34596	50.617	ug/l	98
30) Chloroform	7.691	83	53600	10.090	ug/l	99
31) Cyclohexane	7.971	56	46081	10.427	ug/l #	89
32) 1,1,1-Trichloroethane	7.886	97	42532	10.389	ug/l	98
36) 1,1-Dichloropropene	8.099	75	36621	10.021	ug/l	99
37) Ethyl Acetate	7.282	43	23126	10.032	ug/l	99
38) Carbon Tetrachloride	8.081	117	38531	10.347	ug/l	99
39) Methylcyclohexane	9.343	83	44170	9.715	ug/l	97
40) Benzene	8.337	78	107869	9.977	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031730.D
 Acq On : 30 Jun 2025 10:15
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	11713	9.485	ug/l	87
42) 1,2-Dichloroethane	8.416	62	37957	10.390	ug/l	99
43) Isopropyl Acetate	8.441	43	39393	9.913	ug/l	99
44) Trichloroethene	9.099	130	26788	9.927	ug/l	98
45) 1,2-Dichloropropane	9.380	63	26605	10.181	ug/l	97
46) Dibromomethane	9.471	93	16818	9.969	ug/l	96
47) Bromodichloromethane	9.654	83	39595	10.009	ug/l	98
48) Methyl methacrylate	9.447	41	20612	10.549	ug/l	96
49) 1,4-Dioxane	9.465	88	4204m	234.072	ug/l	
51) 4-Methyl-2-Pentanone	10.215	43	116628	51.050	ug/l	99
52) Toluene	10.392	92	69506	10.041	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	35578	9.585	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	40343	9.588	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	21816	9.872	ug/l #	88
56) Ethyl methacrylate	10.648	69	28317	9.445	ug/l	99
57) 1,3-Dichloropropane	10.934	76	40528	10.446	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	76896	46.578	ug/l	98
59) 2-Hexanone	10.971	43	77810	50.260	ug/l	97
60) Dibromochloromethane	11.129	129	25734	9.738	ug/l	96
61) 1,2-Dibromoethane	11.233	107	22082	9.981	ug/l	100
64) Tetrachloroethene	10.861	164	22144	9.801	ug/l	90
65) Chlorobenzene	11.654	112	77068	10.113	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	24224	9.975	ug/l	98
67) Ethyl Benzene	11.733	91	131184	9.927	ug/l	98
68) m/p-Xylenes	11.836	106	100863	19.856	ug/l	98
69) o-Xylene	12.166	106	45204	9.611	ug/l	97
70) Styrene	12.184	104	79722	9.805	ug/l	98
71) Bromoform	12.355	173	13967	9.641	ug/l #	99
73) Isopropylbenzene	12.464	105	120857	9.331	ug/l	100
74) N-amyl acetate	12.275	43	33049	9.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	28567	9.935	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	22177m	10.079	ug/l	
77) Bromobenzene	12.745	156	27969	9.682	ug/l	91
78) n-propylbenzene	12.800	91	150962	9.734	ug/l	98
79) 2-Chlorotoluene	12.885	91	90162	9.654	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	101724	9.489	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	9266	9.808	ug/l	92
82) 4-Chlorotoluene	12.989	91	95411	9.731	ug/l	99
83) tert-Butylbenzene	13.202	119	87194	9.495	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	104832	9.651	ug/l	100
85) sec-Butylbenzene	13.379	105	132016	9.578	ug/l	99
86) p-Isopropyltoluene	13.495	119	107805	9.490	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	58049	10.021	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	59597	10.051	ug/l	94
89) n-Butylbenzene	13.818	91	105923	9.597	ug/l	99
90) Hexachloroethane	14.086	117	19306	9.420	ug/l	93
91) 1,2-Dichlorobenzene	13.867	146	51680	9.761	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5409	9.634	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	30599	9.371	ug/l	98
94) Hexachlorobutadiene	15.226	225	15982	10.136	ug/l	91
95) Naphthalene	15.360	128	71758	8.964	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	29473	9.823	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

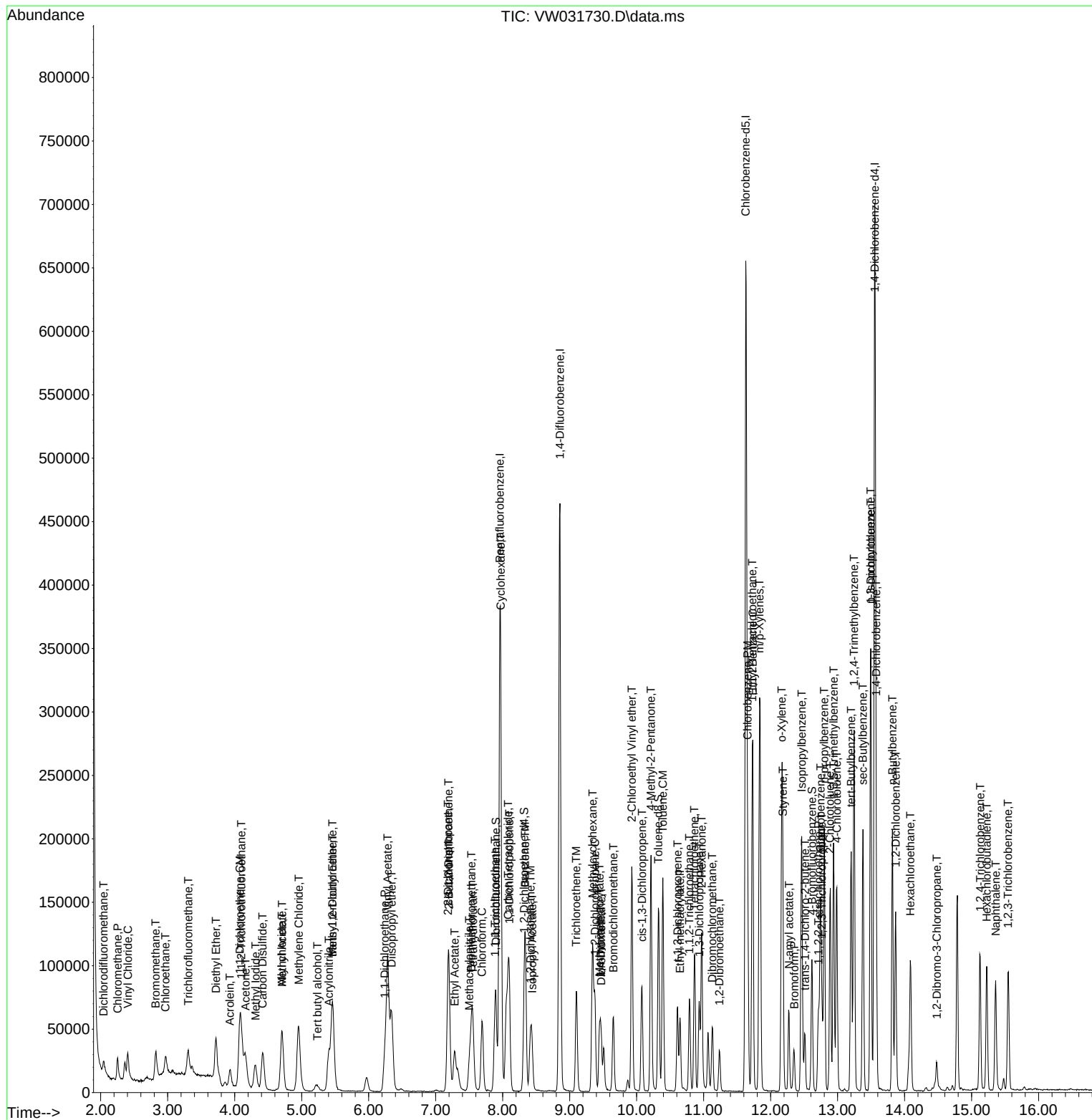
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By : Mahesh Dadoda 07/01/2025
Supervised By : Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031731.D
 Acq On : 30 Jun 2025 10:58
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	206362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	368808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	347024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	169543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	61033	20.609	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.220%#		
35) Dibromofluoromethane	7.898	113	51372	21.346	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	42.700%#		
50) Toluene-d8	10.324	98	190235	21.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	42.480%#		
62) 4-Bromofluorobenzene	12.617	95	68269	20.714	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.045	85	29096	20.703	ug/l	99
3) Chloromethane	2.253	50	35297	20.832	ug/l	99
4) Vinyl Chloride	2.405	62	47534	21.344	ug/l	95
5) Bromomethane	2.820	94	36582	21.030	ug/l	98
6) Chloroethane	2.966	64	31253	20.660	ug/l	93
7) Trichlorofluoromethane	3.301	101	36478	18.036	ug/l	95
8) Diethyl Ether	3.716	74	31642	20.589	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	46970	20.923	ug/l	98
10) Methyl Iodide	4.301	142	72612	20.981	ug/l	98
11) Tert butyl alcohol	5.209	59	17455	95.135	ug/l #	88
12) 1,1-Dichloroethene	4.069	96	51343	20.880	ug/l	94
13) Acrolein	3.923	56	33931	102.894	ug/l	95
14) Allyl chloride	4.697	41	77423	20.522	ug/l	99
15) Acrylonitrile	5.398	53	75131	99.411	ug/l	99
16) Acetone	4.149	43	70616	95.875	ug/l	97
17) Carbon Disulfide	4.411	76	135917	20.656	ug/l	98
18) Methyl Acetate	4.703	43	41106	19.649	ug/l	99
19) Methyl tert-butyl Ether	5.459	73	85702	20.535	ug/l	97
20) Methylene Chloride	4.947	84	74694	22.889	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	55073	21.078	ug/l	95
22) Diisopropyl ether	6.337	45	154496	20.997	ug/l	97
23) Vinyl Acetate	6.276	43	511743	101.822	ug/l	99
24) 1,1-Dichloroethane	6.234	63	100608	21.090	ug/l	100
25) 2-Butanone	7.191	43	91095	95.657	ug/l	97
26) 2,2-Dichloropropane	7.179	77	57600	20.695	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	62244	20.725	ug/l	99
28) Bromochloromethane	7.526	49	44182	20.988	ug/l	100
29) Tetrahydrofuran	7.550	42	64497	98.896	ug/l	99
30) Chloroform	7.691	83	107197	21.148	ug/l	98
31) Cyclohexane	7.965	56	85236	20.213	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	80117	20.509	ug/l	98
36) 1,1-Dichloropropene	8.093	75	73346	21.061	ug/l	100
37) Ethyl Acetate	7.270	43	45062	20.512	ug/l	98
38) Carbon Tetrachloride	8.081	117	73482	20.706	ug/l	97
39) Methylcyclohexane	9.343	83	89081	20.560	ug/l	98
40) Benzene	8.331	78	218756	21.231	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031731.D
 Acq On : 30 Jun 2025 10:58
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.489	41	22541	19.154	ug/l	91
42) 1,2-Dichloroethane	8.410	62	72797	20.910	ug/l	100
43) Isopropyl Acetate	8.434	43	76119	20.101	ug/l	100
44) Trichloroethene	9.099	130	54194	21.074	ug/l	100
45) 1,2-Dichloropropane	9.373	63	52141	20.939	ug/l	100
46) Dibromomethane	9.465	93	33467	20.817	ug/l	98
47) Bromodichloromethane	9.648	83	77246	20.490	ug/l	96
48) Methyl methacrylate	9.440	41	36279	19.484	ug/l	98
49) 1,4-Dioxane	9.465	88	7013m	409.751	ug/l	
51) 4-Methyl-2-Pentanone	10.209	43	217881	100.078	ug/l	99
52) Toluene	10.391	92	138387	20.978	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	72498	20.496	ug/l	99
54) cis-1,3-Dichloropropene	10.074	75	84285	21.019	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	44134	20.957	ug/l	98
56) Ethyl methacrylate	10.647	69	56229	19.681	ug/l	99
57) 1,3-Dichloropropane	10.928	76	76367	20.654	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	162561	103.330	ug/l	98
59) 2-Hexanone	10.964	43	143482	97.256	ug/l	99
60) Dibromochloromethane	11.129	129	52126	20.699	ug/l	98
61) 1,2-Dibromoethane	11.233	107	43701	20.729	ug/l	99
64) Tetrachloroethene	10.861	164	44967	19.810	ug/l	94
65) Chlorobenzene	11.653	112	154847	20.224	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	47923	19.641	ug/l	98
67) Ethyl Benzene	11.727	91	265199	19.975	ug/l	96
68) m/p-Xylenes	11.836	106	208380	40.829	ug/l	97
69) o-Xylene	12.165	106	95105	20.126	ug/l	99
70) Styrene	12.178	104	165896	20.307	ug/l	100
71) Bromoform	12.348	173	28135	19.330	ug/l #	100
73) Isopropylbenzene	12.464	105	249772	19.368	ug/l	99
74) N-amyl acetate	12.269	43	64599	18.584	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55059	19.230	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	41432m	18.910	ug/l	
77) Bromobenzene	12.745	156	55325	19.235	ug/l	92
78) n-propylbenzene	12.800	91	299620	19.402	ug/l	98
79) 2-Chlorotoluene	12.885	91	184544	19.845	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	211664	19.828	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	16911	17.978	ug/l	92
82) 4-Chlorotoluene	12.982	91	192402	19.707	ug/l	99
83) tert-Butylbenzene	13.202	119	179144	19.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	216491	20.016	ug/l	98
85) sec-Butylbenzene	13.379	105	266984	19.452	ug/l	100
86) p-Isopropyltoluene	13.495	119	223225	19.735	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	114120	19.784	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	115307	19.530	ug/l	95
89) n-Butylbenzene	13.818	91	212509	19.336	ug/l	98
90) Hexachloroethane	14.086	117	38406	18.820	ug/l	98
91) 1,2-Dichlorobenzene	13.866	146	102449	19.432	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10404	18.610	ug/l	95
93) 1,2,4-Trichlorobenzene	15.128	180	63033	19.386	ug/l	94
94) Hexachlorobutadiene	15.226	225	29695	18.913	ug/l	94
95) Naphthalene	15.354	128	146159	18.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	56085	18.772	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

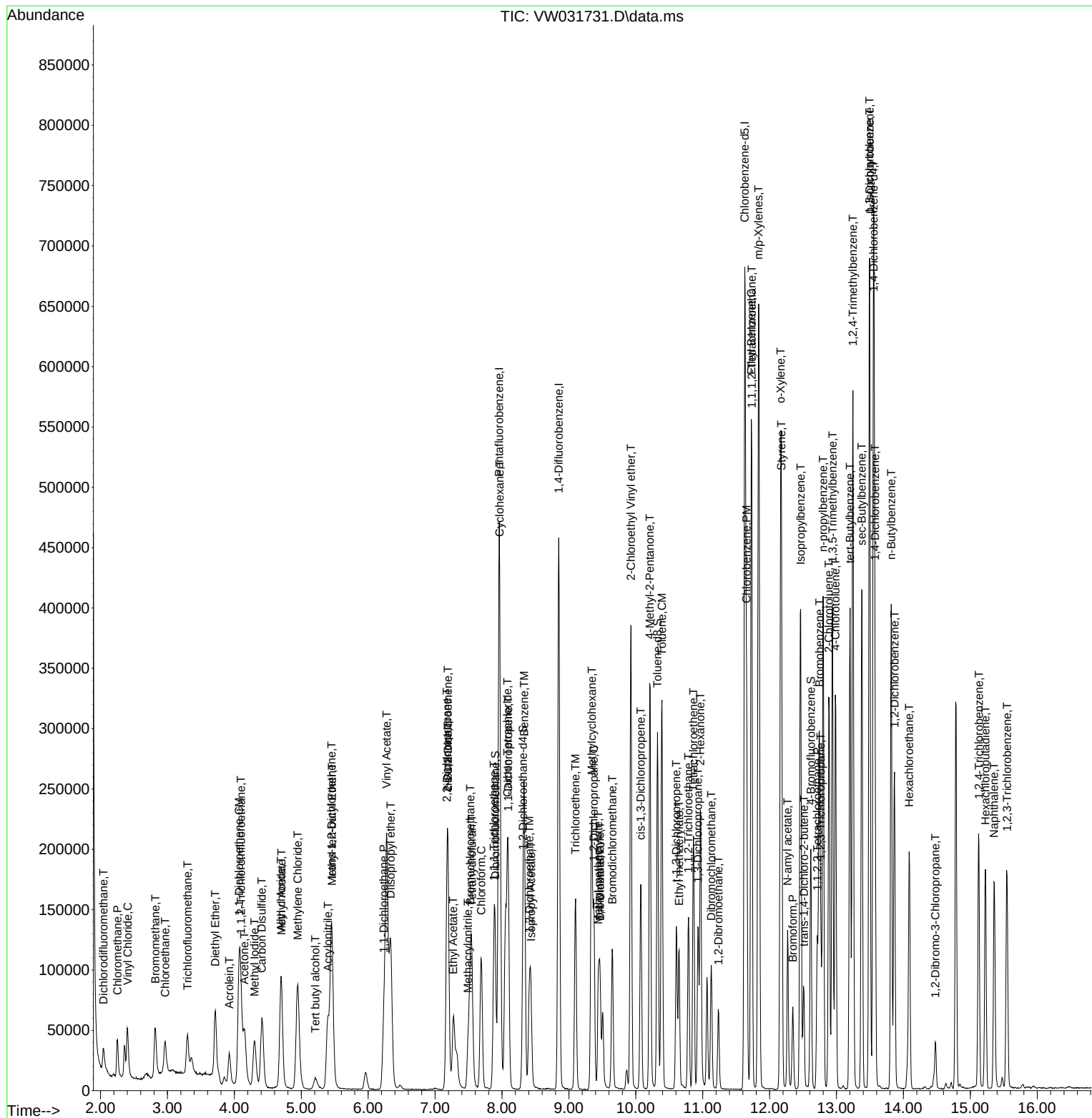
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDIC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031732.D
 Acq On : 30 Jun 2025 11:21
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	224452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	404902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	363615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	174347	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160456	49.813	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.620%
35) Dibromofluoromethane	7.904	113	131109	49.622	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.240%
50) Toluene-d8	10.324	98	489286	49.762	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	99.520%
62) 4-Bromofluorobenzene	12.617	95	180870	49.986	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.980%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.039	85	69611	45.539	ug/l	100
3) Chloromethane	2.253	50	84254	45.719	ug/l	100
4) Vinyl Chloride	2.405	62	115341	47.617	ug/l	100
5) Bromomethane	2.826	94	88903	46.990	ug/l	100
6) Chloroethane	2.972	64	77830	47.303	ug/l	100
7) Trichlorofluoromethane	3.307	101	105244	47.842	ug/l	100
8) Diethyl Ether	3.722	74	79864	47.778	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	114080	46.722	ug/l	100
10) Methyl Iodide	4.313	142	183075	48.636	ug/l	100
11) Tert butyl alcohol	5.216	59	52409	262.624	ug/l	100
12) 1,1-Dichloroethene	4.075	96	124737	46.640	ug/l	100
13) Acrolein	3.929	56	93443	260.524	ug/l	100
14) Allyl chloride	4.703	41	201014	48.986	ug/l	100
15) Acrylonitrile	5.398	53	214572	261.033	ug/l	100
16) Acetone	4.155	43	182890	228.296	ug/l	100
17) Carbon Disulfide	4.423	76	344867	48.188	ug/l	100
18) Methyl Acetate	4.710	43	118590	52.118	ug/l	100
19) Methyl tert-butyl Ether	5.459	73	231884	51.082	ug/l	100
20) Methylene Chloride	4.953	84	155350	48.806	ug/l	100
21) trans-1,2-Dichloroethene	5.459	96	137493	48.382	ug/l	100
22) Diisopropyl ether	6.343	45	402830	50.335	ug/l	100
23) Vinyl Acetate	6.282	43	1409763	257.896	ug/l	100
24) 1,1-Dichloroethane	6.246	63	250386	48.257	ug/l	100
25) 2-Butanone	7.191	43	279081	269.438	ug/l	100
26) 2,2-Dichloropropane	7.191	77	147400	48.691	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	160684	49.190	ug/l	100
28) Bromochloromethane	7.532	49	113190	49.435	ug/l	100
29) Tetrahydrofuran	7.550	42	188178	265.287	ug/l	100
30) Chloroform	7.691	83	270281	49.023	ug/l	100
31) Cyclohexane	7.971	56	210337	45.861	ug/l	100
32) 1,1,1-Trichloroethane	7.892	97	207721	48.890	ug/l	100
36) 1,1-Dichloropropene	8.093	75	184651	48.296	ug/l	100
37) Ethyl Acetate	7.276	43	122534	50.805	ug/l	100
38) Carbon Tetrachloride	8.081	117	186814	47.949	ug/l	100
39) Methylcyclohexane	9.343	83	229164	48.175	ug/l	100
40) Benzene	8.337	78	556688	49.213	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031732.D
 Acq On : 30 Jun 2025 11:21
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	70587	54.633	ug/l	100
42) 1,2-Dichloroethane	8.410	62	187709	49.111	ug/l	100
43) Isopropyl Acetate	8.434	43	216777	52.141	ug/l	100
44) Trichloroethene	9.099	130	139117	49.275	ug/l	100
45) 1,2-Dichloropropane	9.373	63	134070	49.040	ug/l	100
46) Dibromomethane	9.471	93	88721	50.266	ug/l	100
47) Bromodichloromethane	9.648	83	207001	50.013	ug/l	100
48) Methyl methacrylate	9.440	41	105740	51.725	ug/l	100
49) 1,4-Dioxane	9.465	88	20673	1100.195	ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	633101	264.876	ug/l	100
52) Toluene	10.391	92	354627	48.965	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	201014	51.763	ug/l	100
54) cis-1,3-Dichloropropene	10.074	75	222288	50.493	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	115580	49.991	ug/l	100
56) Ethyl methacrylate	10.647	69	166152	52.971	ug/l	100
57) 1,3-Dichloropropane	10.934	76	198954	49.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	454721	263.272	ug/l	100
59) 2-Hexanone	10.971	43	444148	274.219	ug/l	100
60) Dibromochloromethane	11.129	129	142721	51.621	ug/l	100
61) 1,2-Dibromoethane	11.239	107	117287	50.674	ug/l	100
64) Tetrachloroethene	10.867	164	113995	47.928	ug/l	100
65) Chlorobenzene	11.659	112	386218	48.141	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	127147	49.734	ug/l	100
67) Ethyl Benzene	11.733	91	685367	49.266	ug/l	100
68) m/p-Xylenes	11.836	106	528971	98.914	ug/l	100
69) o-Xylene	12.165	106	247840	50.054	ug/l	100
70) Styrene	12.178	104	439641	51.360	ug/l	100
71) Bromoform	12.348	173	79452	52.095	ug/l	100
73) Isopropylbenzene	12.464	105	650607	49.059	ug/l	100
74) N-amyl acetate	12.269	43	185960	52.024	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	147025	49.936	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	113761m	50.492	ug/l	
77) Bromobenzene	12.745	156	136242	46.062	ug/l	100
78) n-propylbenzene	12.800	91	778125	48.998	ug/l	100
79) 2-Chlorotoluene	12.891	91	468001	48.939	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	549993	50.102	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	50770	52.485	ug/l	100
82) 4-Chlorotoluene	12.989	91	492034	49.008	ug/l	100
83) tert-Butylbenzene	13.202	119	455621	48.454	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	544366	48.943	ug/l	100
85) sec-Butylbenzene	13.379	105	695122	49.251	ug/l	100
86) p-Isopropyltoluene	13.495	119	570989	49.088	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	286670	48.328	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	296666	48.863	ug/l	100
89) n-Butylbenzene	13.818	91	553799	49.002	ug/l	100
90) Hexachloroethane	14.086	117	103194	49.175	ug/l	100
91) 1,2-Dichlorobenzene	13.866	146	274605	50.650	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29018	50.476	ug/l	100
93) 1,2,4-Trichlorobenzene	15.128	180	162674	48.652	ug/l	100
94) Hexachlorobutadiene	15.226	225	72238	44.742	ug/l	100
95) Naphthalene	15.354	128	417556	50.938	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	150212	48.893	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

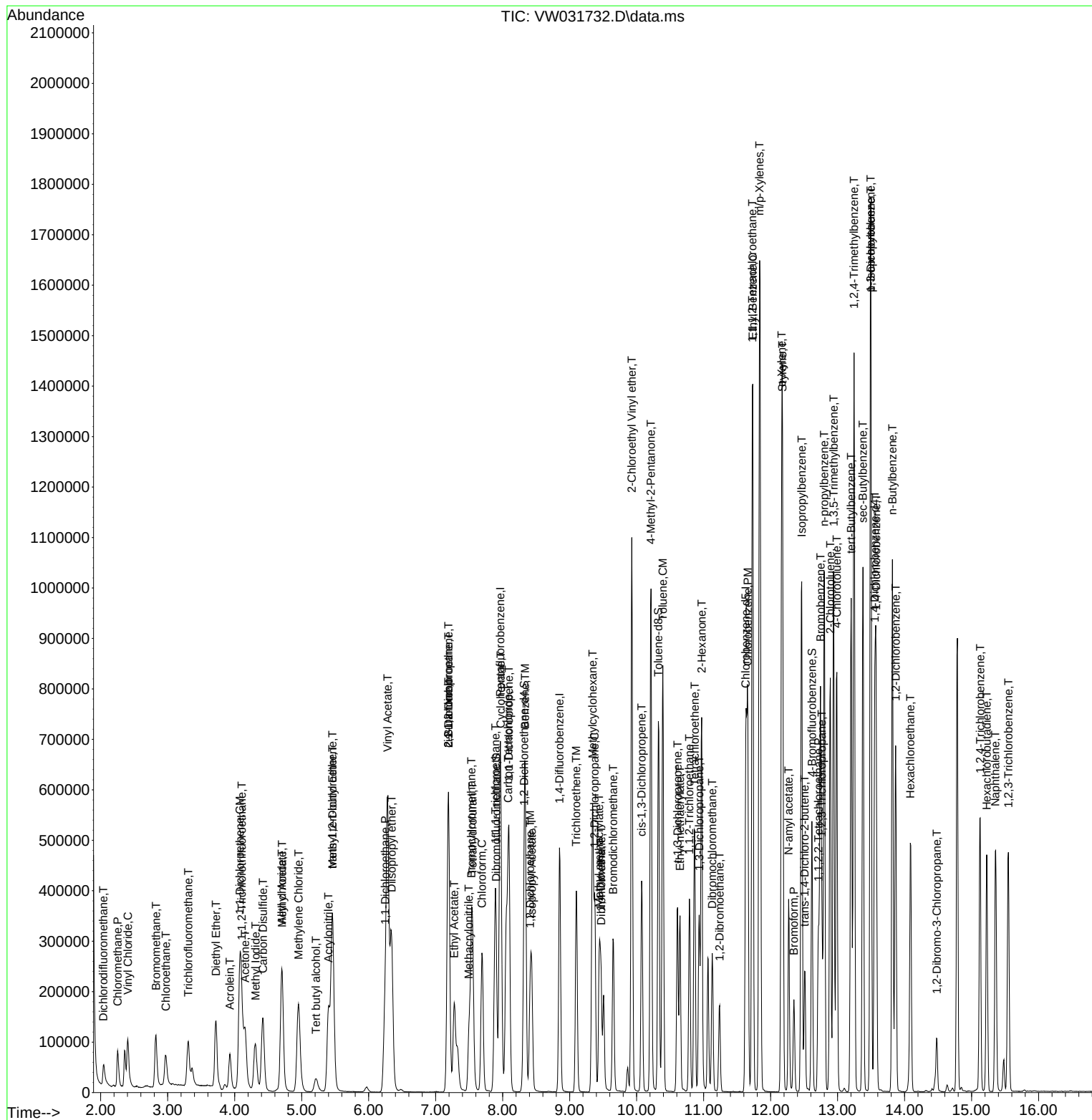
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031732.D
 Acq On : 30 Jun 2025 11:21
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 01 02:20:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031733.D
 Acq On : 30 Jun 2025 12:34
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	224702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	406265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166129	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.313	65	315303	97.777	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 195.560%#	
35) Dibromofluoromethane	7.898	113	265418	100.118	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 200.240%#	
50) Toluene-d8	10.325	98	998288	101.188	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 202.380%#	
62) 4-Bromofluorobenzene	12.617	95	365527	100.680	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 201.360%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	147738	96.542	ug/l	98
3) Chloromethane	2.253	50	182080	98.692	ug/l	99
4) Vinyl Chloride	2.405	62	244761	100.935	ug/l	97
5) Bromomethane	2.814	94	184987	97.666	ug/l	99
6) Chloroethane	2.966	64	161756	98.201	ug/l	99
7) Trichlorofluoromethane	3.296	101	209568	95.160	ug/l	99
8) Diethyl Ether	3.716	74	154043	92.052	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	232215	94.998	ug/l	99
10) Methyl Iodide	4.301	142	365954	97.112	ug/l	100
11) Tert butyl alcohol	5.210	59	97696	489.014	ug/l	96
12) 1,1-Dichloroethene	4.070	96	261103	97.519	ug/l	97
13) Acrolein	3.923	56	175125	487.715	ug/l	97
14) Allyl chloride	4.698	41	412947	100.521	ug/l	99
15) Acrylonitrile	5.393	53	405986	493.345	ug/l	99
16) Acetone	4.155	43	352601	439.652	ug/l	100
17) Carbon Disulfide	4.411	76	714624	99.742	ug/l	99
18) Methyl Acetate	4.698	43	209762	92.083	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	441477	97.146	ug/l	99
20) Methylene Chloride	4.942	84	294557	99.868	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	283611	99.689	ug/l	96
22) Diisopropyl ether	6.338	45	792929	98.968	ug/l	98
23) Vinyl Acetate	6.277	43	2799136	511.492	ug/l	100
24) 1,1-Dichloroethane	6.240	63	508118	97.821	ug/l	99
25) 2-Butanone	7.185	43	519074	500.581	ug/l	98
26) 2,2-Dichloropropane	7.179	77	288897	95.325	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	330910	101.187	ug/l	98
28) Bromochloromethane	7.526	49	224498	97.940	ug/l	98
29) Tetrahydrofuran	7.545	42	349502	492.168	ug/l	100
30) Chloroform	7.691	83	534507	96.841	ug/l	99
31) Cyclohexane	7.965	56	422261	91.965	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	407612	95.829	ug/l	99
36) 1,1-Dichloropropene	8.093	75	375878	97.982	ug/l	99
37) Ethyl Acetate	7.270	43	228624	94.474	ug/l	100
38) Carbon Tetrachloride	8.081	117	380387	97.306	ug/l	96
39) Methylcyclohexane	9.337	83	481270	100.834	ug/l	99
40) Benzene	8.331	78	1096371	96.598	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031733.D
 Acq On : 30 Jun 2025 12:34
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	131200	101.206	ug/l	98
42) 1,2-Dichloroethane	8.404	62	364585	95.068	ug/l	99
43) Isopropyl Acetate	8.429	43	417317	100.040	ug/l	99
44) Trichloroethene	9.099	130	273865	96.676	ug/l	96
45) 1,2-Dichloropropane	9.374	63	263216	95.956	ug/l	99
46) Dibromomethane	9.465	93	167767	94.732	ug/l	98
47) Bromodichloromethane	9.648	83	407715	98.177	ug/l	99
48) Methyl methacrylate	9.441	41	207070	100.953	ug/l	98
49) 1,4-Dioxane	9.459	88	39485	2094.300	ug/l #	99
51) 4-Methyl-2-Pentanone	10.209	43	1174822	489.871	ug/l	99
52) Toluene	10.386	92	710254	97.739	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	404225	103.743	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	444410	100.610	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	223115	96.178	ug/l	97
56) Ethyl methacrylate	10.642	69	326655	103.792	ug/l	98
57) 1,3-Dichloropropane	10.928	76	387413	95.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.922	63	907630	523.732	ug/l	99
59) 2-Hexanone	10.965	43	817133	502.809	ug/l	99
60) Dibromochloromethane	11.129	129	273293	98.517	ug/l	97
61) 1,2-Dibromoethane	11.233	107	222768	95.925	ug/l	99
64) Tetrachloroethene	10.861	164	236432	100.695	ug/l	94
65) Chlorobenzene	11.654	112	773712	97.693	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.727	131	252455	100.030	ug/l	98
67) Ethyl Benzene	11.727	91	1388600	101.112	ug/l	100
68) m/p-Xylenes	11.837	106	1077324	204.066	ug/l	98
69) o-Xylene	12.160	106	506083	103.535	ug/l	97
70) Styrene	12.178	104	865542	102.427	ug/l	99
71) Bromoform	12.349	173	154434	102.574	ug/l #	97
73) Isopropylbenzene	12.459	105	1355736	107.286	ug/l	100
74) N-amyl acetate	12.270	43	363996	106.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	275439	98.180	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	205119m	95.544	ug/l	
77) Bromobenzene	12.739	156	294310	104.424	ug/l	86
78) n-propylbenzene	12.800	91	1572731	103.933	ug/l	99
79) 2-Chlorotoluene	12.885	91	930210	102.084	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1101203	105.277	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	99233	107.660	ug/l	98
82) 4-Chlorotoluene	12.983	91	963920	100.758	ug/l	100
83) tert-Butylbenzene	13.202	119	942890	105.234	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	1093757	103.202	ug/l	100
85) sec-Butylbenzene	13.379	105	1390528	103.396	ug/l	100
86) p-Isopropyltoluene	13.495	119	1168552	105.431	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	558538	98.818	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	576612	99.669	ug/l	97
89) n-Butylbenzene	13.818	91	1126053	104.566	ug/l	99
90) Hexachloroethane	14.092	117	211871	105.958	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	519347	100.530	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	55462	101.247	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	332108	104.240	ug/l	100
94) Hexachlorobutadiene	15.226	225	163909	106.542	ug/l	89
95) Naphthalene	15.360	128	867343	111.042	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	313738	107.170	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031733.D
 Acq On : 30 Jun 2025 12:34
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_W

Client Sample Id :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By : Mahesh Dadoda 07/01/2025
 Supervised By : Semsettin Yesilyurt 07/01/2025

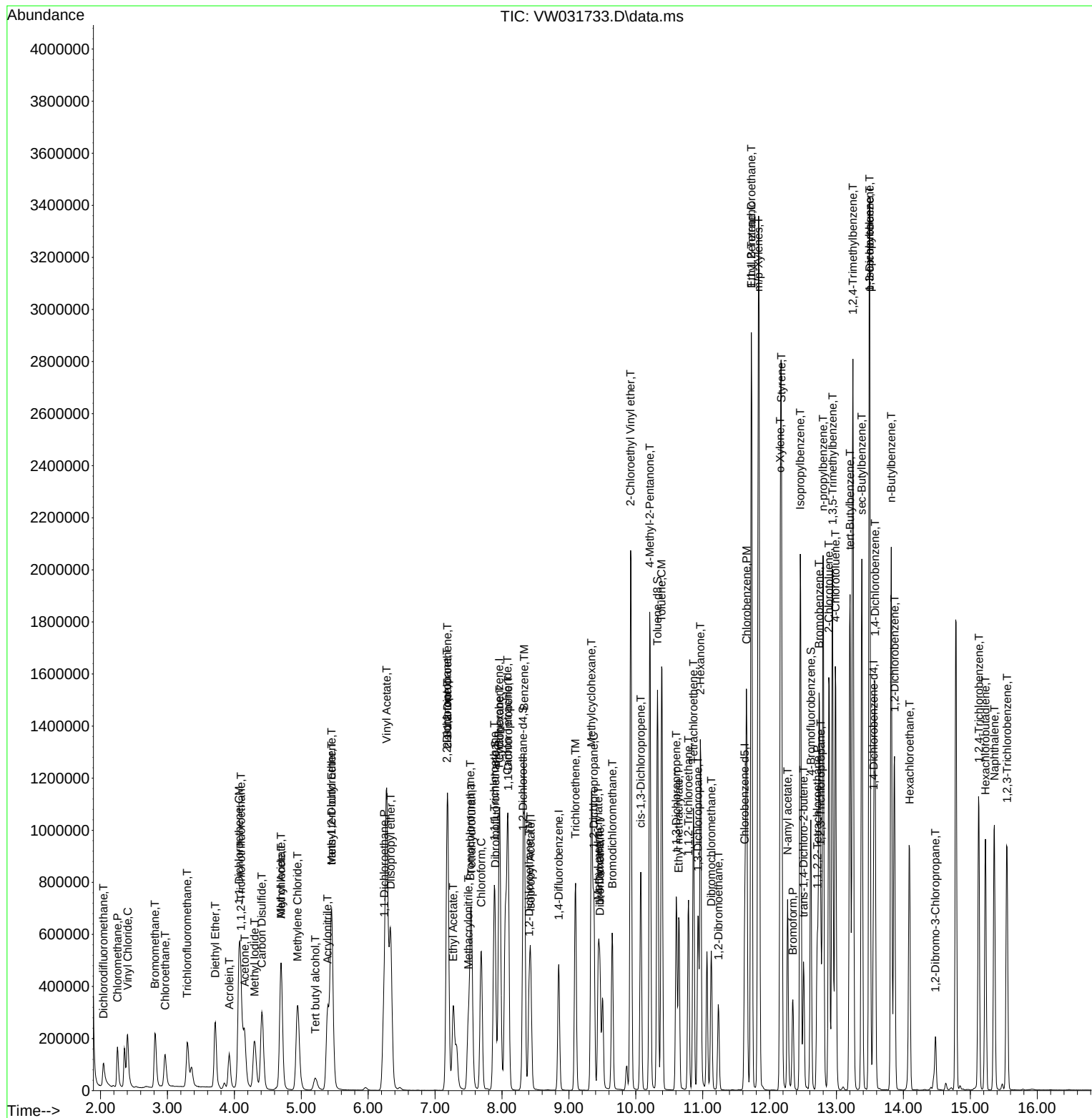
Quant Time: Jul 01 02:20:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 02:17:14 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031734.D
 Acq On : 30 Jun 2025 12:55
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	218767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	399414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	342661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	450859	143.606	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 287.220%#			
35) Dibromofluoromethane	7.898	113	374365	143.636	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 287.280%#			
50) Toluene-d8	10.325	98	1429859	147.419	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 294.840%#			
62) 4-Bromofluorobenzene	12.617	95	519559	145.561	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 291.120%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	230089	154.434	ug/l	100
3) Chloromethane	2.259	50	286265	159.372	ug/l	100
4) Vinyl Chloride	2.405	62	358412	151.812	ug/l	97
5) Bromomethane	2.814	94	274101	148.641	ug/l	97
6) Chloroethane	2.966	64	244261	152.312	ug/l	99
7) Trichlorofluoromethane	3.301	101	358255	167.089	ug/l	96
8) Diethyl Ether	3.716	74	223268	137.038	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	347651	146.081	ug/l	98
10) Methyl Iodide	4.301	142	539018	146.918	ug/l	100
11) Tert butyl alcohol	5.222	59	146727	754.362	ug/l	97
12) 1,1-Dichloroethene	4.070	96	386108	148.119	ug/l	95
13) Acrolein	3.929	56	257205	735.736	ug/l	96
14) Allyl chloride	4.704	41	619915	154.996	ug/l	98
15) Acrylonitrile	5.399	53	594796	742.391	ug/l	99
16) Acetone	4.155	43	473412	606.303	ug/l	99
17) Carbon Disulfide	4.417	76	1071989	153.680	ug/l	98
18) Methyl Acetate	4.704	43	318399	143.565	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	648742	146.627	ug/l	98
20) Methylene Chloride	4.954	84	411070	150.156	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	412998	149.107	ug/l	97
22) Diisopropyl ether	6.337	45	1161324	148.881	ug/l	98
23) Vinyl Acetate	6.283	43	4186413	785.745	ug/l	100
24) 1,1-Dichloroethane	6.246	63	756841	149.658	ug/l	99
25) 2-Butanone	7.191	43	776184	768.838	ug/l	98
26) 2,2-Dichloropropane	7.191	77	441320	149.570	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	485495	152.485	ug/l	99
28) Bromochloromethane	7.532	49	321043	143.858	ug/l	97
29) Tetrahydrofuran	7.551	42	517793	748.936	ug/l	99
30) Chloroform	7.691	83	792676	147.511	ug/l	97
31) Cyclohexane	7.971	56	643550	143.962	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	629664	152.050	ug/l	99
36) 1,1-Dichloropropene	8.093	75	559803	148.429	ug/l	99
37) Ethyl Acetate	7.270	43	341691	143.618	ug/l	100
38) Carbon Tetrachloride	8.087	117	580610	151.072	ug/l	97
39) Methylcyclohexane	9.343	83	741380	157.996	ug/l	99
40) Benzene	8.337	78	1642494	147.198	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031734.D
 Acq On : 30 Jun 2025 12:55
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	199650	156.650	ug/l	99
42) 1,2-Dichloroethane	8.410	62	533792	141.578	ug/l	99
43) Isopropyl Acetate	8.435	43	631057	153.874	ug/l	100
44) Trichloroethene	9.099	130	424322	152.358	ug/l	99
45) 1,2-Dichloropropane	9.373	63	390006	144.616	ug/l	98
46) Dibromomethane	9.465	93	251060	144.196	ug/l	99
47) Bromodichloromethane	9.648	83	610837	149.611	ug/l	99
48) Methyl methacrylate	9.441	41	306797	152.139	ug/l	99
49) 1,4-Dioxane	9.459	88	57850	3121.017	ug/l #	94
51) 4-Methyl-2-Pentanone	10.215	43	1721097	729.963	ug/l	99
52) Toluene	10.392	92	1076709	150.709	ug/l	95
53) t-1,3-Dichloropropene	10.605	75	598943	156.353	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	670647	154.433	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	326894	143.331	ug/l	97
56) Ethyl methacrylate	10.648	69	490690	158.587	ug/l	99
57) 1,3-Dichloropropane	10.934	76	570666	142.516	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	1297023	761.261	ug/l	100
59) 2-Hexanone	10.971	43	1192007	746.062	ug/l	99
60) Dibromochloromethane	11.129	129	413333	151.554	ug/l	98
61) 1,2-Dibromoethane	11.233	107	336847	147.535	ug/l	98
64) Tetrachloroethene	10.867	164	353130	157.549	ug/l	92
65) Chlorobenzene	11.660	112	1150958	152.237	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	375280	155.768	ug/l	99
67) Ethyl Benzene	11.733	91	2044338	155.940	ug/l	94
68) m/p-Xylenes	11.836	106	1571204	311.770	ug/l	98
69) o-Xylene	12.166	106	743731	159.389	ug/l	99
70) Styrene	12.178	104	1266593	157.015	ug/l	99
71) Bromoform	12.349	173	229439	159.639	ug/l #	98
73) Isopropylbenzene	12.464	105	1956819	162.971	ug/l	99
74) N-amyl acetate	12.269	43	535843	165.571	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	403490	151.363	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	308804m	151.382	ug/l	
77) Bromobenzene	12.745	156	427085	159.479	ug/l	88
78) n-propylbenzene	12.800	91	2324539	161.670	ug/l	100
79) 2-Chlorotoluene	12.891	91	1366267	157.800	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1593533	160.332	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	146143	166.866	ug/l	98
82) 4-Chlorotoluene	12.989	91	1410360	155.153	ug/l	98
83) tert-Butylbenzene	13.202	119	1418313	166.594	ug/l	96
84) 1,2,4-Trimethylbenzene	13.251	105	1609766	159.853	ug/l	99
85) sec-Butylbenzene	13.379	105	2077110	162.545	ug/l	99
86) p-Isopropyltoluene	13.495	119	1725089	163.804	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	815863	151.913	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	826448	150.344	ug/l	96
89) n-Butylbenzene	13.818	91	1662481	162.473	ug/l	99
90) Hexachloroethane	14.092	117	319664	168.248	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	740320	150.818	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	82484	158.471	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	486869	160.827	ug/l	97
94) Hexachlorobutadiene	15.226	225	231652	158.470	ug/l	93
95) Naphthalene	15.360	128	1256199	169.258	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	438342	157.584	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

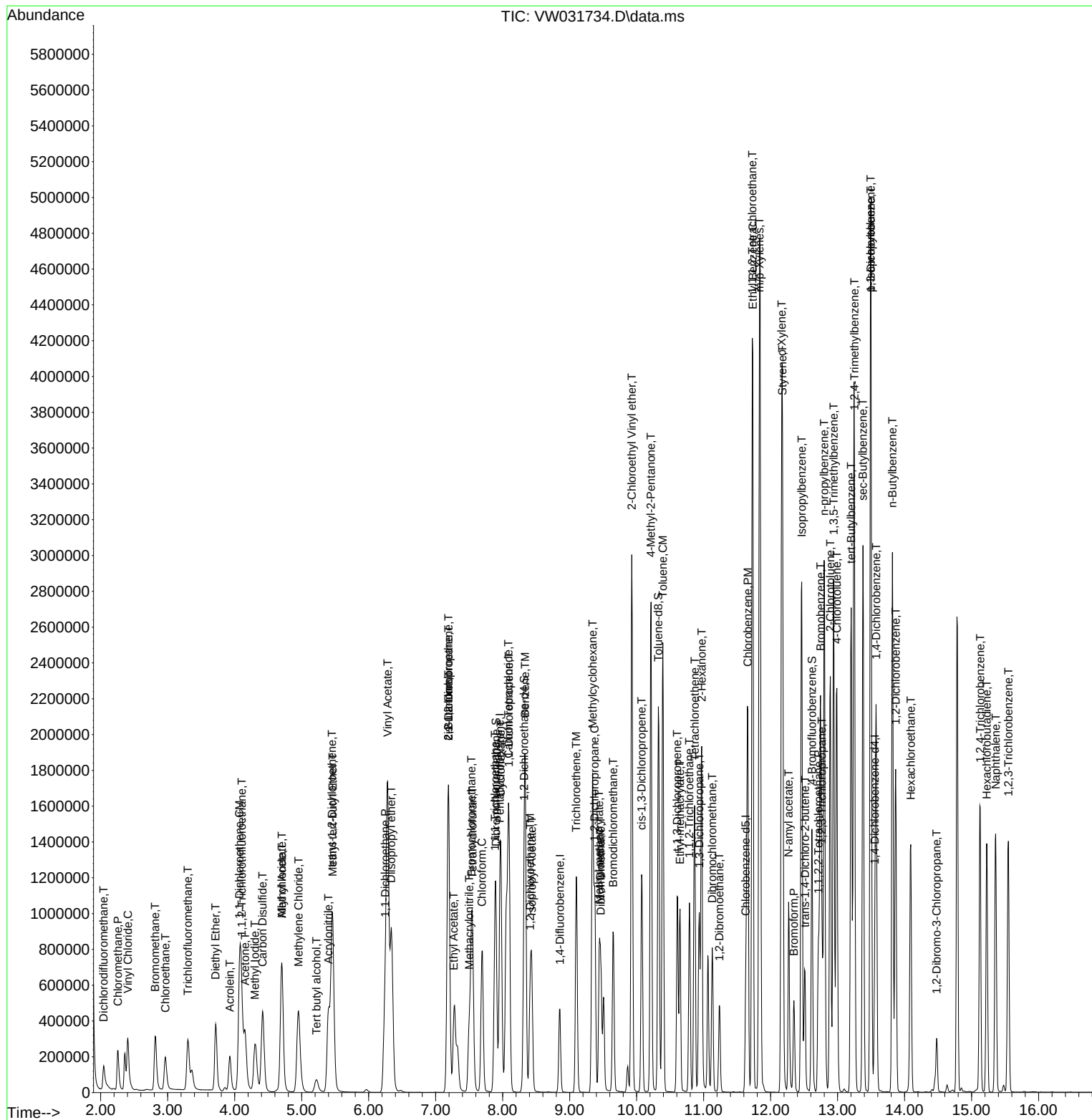
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW063025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	228661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	405093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	163826	49.923	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.840%		
35) Dibromofluoromethane	7.898	113	129810	49.107	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	98.220%		
50) Toluene-d8	10.324	98	497288	50.552	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	101.100%		
62) 4-Bromofluorobenzene	12.617	95	189206	52.265	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	104.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.045	85	79725	51.196	ug/l	99
3) Chloromethane	2.253	50	96206	51.243	ug/l	98
4) Vinyl Chloride	2.405	62	129034	52.290	ug/l	98
5) Bromomethane	2.820	94	94589	49.075	ug/l	100
6) Chloroethane	2.966	64	85126	50.785	ug/l	98
7) Trichlorofluoromethane	3.301	101	102813	45.877	ug/l	99
8) Diethyl Ether	3.716	74	85549	50.236	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	127184	51.130	ug/l	99
10) Methyl Iodide	4.307	142	196219	51.168	ug/l	99
11) Tert butyl alcohol	5.216	59	55596	273.466	ug/l	98
12) 1,1-Dichloroethene	4.069	96	139112	51.057	ug/l	95
13) Acrolein	3.923	56	87032	238.183	ug/l	97
14) Allyl chloride	4.697	41	223623	53.493	ug/l	99
15) Acrylonitrile	5.392	53	220336	263.111	ug/l	99
16) Acetone	4.155	43	207587	255.933	ug/l	99
17) Carbon Disulfide	4.417	76	372415	51.079	ug/l	99
18) Methyl Acetate	4.704	43	110627	47.723	ug/l	99
19) Methyl tert-butyl Ether	5.453	73	249430	53.936	ug/l	99
20) Methylene Chloride	4.947	84	165907	51.478	ug/l	99
21) trans-1,2-Dichloroethene	5.453	96	150128	51.856	ug/l	96
22) Diisopropyl ether	6.331	45	435531	53.419	ug/l	95
23) Vinyl Acetate	6.276	43	1558241	279.810	ug/l	98
24) 1,1-Dichloroethane	6.240	63	275659	52.150	ug/l	98
25) 2-Butanone	7.191	43	295677	280.206	ug/l	96
26) 2,2-Dichloropropane	7.179	77	158098	51.263	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	175371	52.697	ug/l	100
28) Bromochloromethane	7.526	49	118204	50.675	ug/l	99
29) Tetrahydrofuran	7.544	42	197209	272.901	ug/l	99
30) Chloroform	7.691	83	291107	51.829	ug/l	99
31) Cyclohexane	7.965	56	235145	50.326	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	226937	52.429	ug/l	99
36) 1,1-Dichloropropene	8.093	75	207537	54.256	ug/l	99
37) Ethyl Acetate	7.264	43	135668	56.224	ug/l	99
38) Carbon Tetrachloride	8.081	117	211131	54.165	ug/l	99
39) Methylcyclohexane	9.337	83	261262	54.897	ug/l	99
40) Benzene	8.331	78	600684	53.078	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW063025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	76710	59.345	ug/l	97
42) 1,2-Dichloroethane	8.410	62	201420	52.674	ug/l	99
43) Isopropyl Acetate	8.435	43	234518	56.382	ug/l	99
44) Trichloroethene	9.099	130	147985	52.391	ug/l	99
45) 1,2-Dichloropropane	9.373	63	142562	52.122	ug/l	95
46) Dibromomethane	9.465	93	92714	52.504	ug/l	98
47) Bromodichloromethane	9.648	83	222794	53.804	ug/l	99
48) Methyl methacrylate	9.440	41	119156	58.260	ug/l	94
49) 1,4-Dioxane	9.465	88	21984	1062.966	ug/l #	94
51) 4-Methyl-2-Pentanone	10.209	43	667473	279.124	ug/l	100
52) Toluene	10.392	92	394923	54.503	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	217762	56.049	ug/l	96
54) cis-1,3-Dichloropropene	10.074	75	242935	55.157	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	124548	53.844	ug/l	98
56) Ethyl methacrylate	10.648	69	182604	58.189	ug/l	98
57) 1,3-Dichloropropane	10.934	76	211062	51.971	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.922	63	486398	281.479	ug/l	97
59) 2-Hexanone	10.971	43	458136	282.722	ug/l	100
60) Dibromochloromethane	11.129	129	149294	53.973	ug/l	98
61) 1,2-Dibromoethane	11.233	107	123748	53.440	ug/l	96
64) Tetrachloroethene	10.861	164	120824	52.421	ug/l	95
65) Chlorobenzene	11.653	112	423257	54.443	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.727	131	141650	57.176	ug/l	94
67) Ethyl Benzene	11.727	91	757105	56.161	ug/l	99
68) m/p-Xylenes	11.836	106	590281	113.903	ug/l	98
69) o-Xylene	12.166	106	274498	57.208	ug/l	98
70) Styrene	12.178	104	469288	56.574	ug/l	99
71) Bromoform	12.348	173	86209	58.331	ug/l	99
73) Isopropylbenzene	12.458	105	715943	54.594	ug/l	99
74) N-amyl acetate	12.269	43	207540	58.715	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	157354	54.047	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	118399m	53.142	ug/l	
77) Bromobenzene	12.745	156	164306	56.175	ug/l	85
78) n-propylbenzene	12.800	91	868816	55.325	ug/l	100
79) 2-Chlorotoluene	12.891	91	515508	54.514	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	610714	56.260	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	54787	57.276	ug/l	97
82) 4-Chlorotoluene	12.983	91	528072	53.189	ug/l	99
83) tert-Butylbenzene	13.202	119	502105	53.999	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	602889	54.815	ug/l	99
85) sec-Butylbenzene	13.379	105	773900	55.450	ug/l	100
86) p-Isopropyltoluene	13.495	119	639419	55.591	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	321218	54.762	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	316827	52.771	ug/l	97
89) n-Butylbenzene	13.818	91	630792	56.443	ug/l	100
90) Hexachloroethane	14.086	117	116309	56.049	ug/l	99
91) 1,2-Dichlorobenzene	13.866	146	290975	54.274	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30797	54.174	ug/l	99
93) 1,2,4-Trichlorobenzene	15.122	180	190916	57.742	ug/l	97
94) Hexachlorobutadiene	15.226	225	92237	57.772	ug/l	91
95) Naphthalene	15.354	128	461350	56.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	174283	57.366	ug/l	99

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Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW063025

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

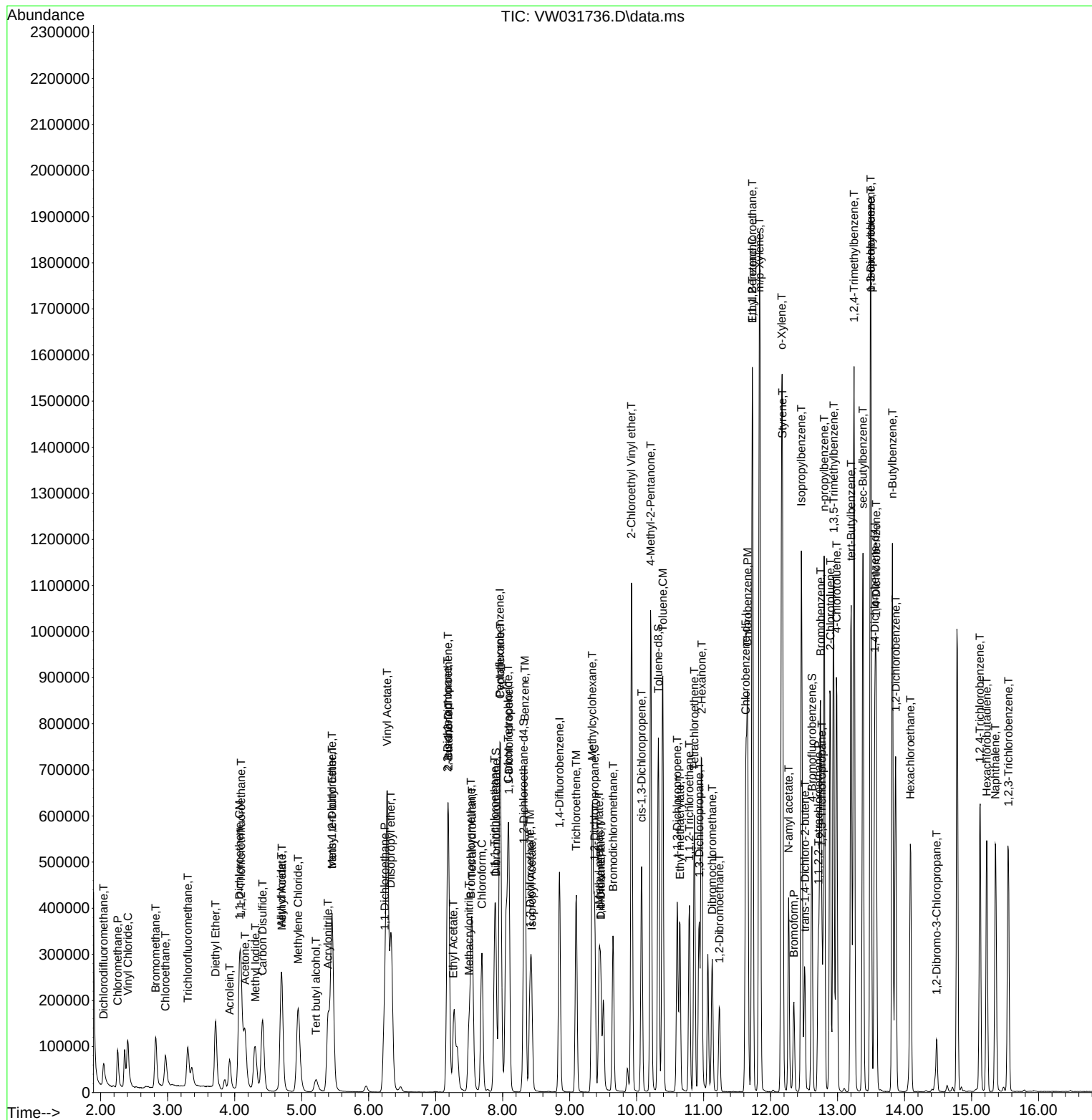
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On    : 30 Jun 2025  15:23
Operator  : SY/MD
Sample    : VSTDICV050
Misc      : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial  : 10    Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
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Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
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Instrument :
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Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	102	0.00
2 T	Dichlorodifluoromethane	0.341	0.349	-2.3	115	0.00
3 P	Chloromethane	0.411	0.421	-2.4	114	0.00
4 C	Vinyl Chloride	0.540	0.564	-4.4#	112	0.00
5 T	Bromomethane	0.421	0.414	1.7	106	0.00
6 T	Chloroethane	0.367	0.372	-1.4	109	0.00
7 T	Trichlorofluoromethane	0.490	0.450	8.2	98	0.00
8 T	Diethyl Ether	0.372	0.374	-0.5	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.544	0.556	-2.2	111	-0.01
10 T	Methyl Iodide	0.839	0.858	-2.3	107	0.00
11 T	Tert butyl alcohol	0.044	0.049	-11.4	106	0.00
12 CM	1,1-Dichloroethene	0.596	0.608	-2.0#	112	0.00
13 T	Acrolein	0.080	0.076	5.0	93	0.00
14 T	Allyl chloride	0.914	0.978	-7.0	111	0.00
15 T	Acrylonitrile	0.183	0.193	-5.5	103	0.00
16 T	Acetone	0.177	0.182	-2.8	114	0.00
17 T	Carbon Disulfide	1.594	1.629	-2.2	108	0.00
18 T	Methyl Acetate	0.507	0.484	4.5	93	0.00
19 T	Methyl tert-butyl Ether	1.011	1.091	-7.9	108	0.00
20 T	Methylene Chloride	0.814	0.726	10.8	107	0.00
21 T	trans-1,2-Dichloroethene	0.633	0.657	-3.8	109	0.00
22 T	Diisopropyl ether	1.783	1.905	-6.8	108	-0.01
23 T	Vinyl Acetate	1.218	1.363	-11.9	111	0.00
24 P	1,1-Dichloroethane	1.156	1.206	-4.3	110	0.00
25 T	2-Butanone	0.231	0.259	-12.1	106	0.00
26 T	2,2-Dichloropropane	0.674	0.691	-2.5	107	-0.01
27 T	cis-1,2-Dichloroethene	0.728	0.767	-5.4	109	0.00
28 T	Bromochloromethane	0.510	0.517	-1.4	104	0.00
29 T	Tetrahydrofuran	0.158	0.172	-8.9	105	0.00
30 C	Chloroform	1.228	1.273	-3.7#	108	0.00
31 T	Cyclohexane	1.022	1.028	-0.6	112	0.00
32 T	1,1,1-Trichloroethane	0.946	0.992	-4.9	109	-0.01
33 S	1,2-Dichloroethane-d4	0.718	0.716	0.3	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35 S	Dibromofluoromethane	0.326	0.320	1.8	99	0.00
36 T	1,1-Dichloropropene	0.472	0.512	-8.5	112	0.00
37 T	Ethyl Acetate	0.298	0.335	-12.4	111	-0.01
38 T	Carbon Tetrachloride	0.481	0.521	-8.3	113	0.00
39 T	Methylcyclohexane	0.587	0.645	-9.9	114	0.00
40 TM	Benzene	1.397	1.483	-6.2	108	0.00
41 T	Methacrylonitrile	0.160	0.189	-18.1	109	0.00
42 TM	1,2-Dichloroethane	0.472	0.497	-5.3	107	0.00
43 T	Isopropyl Acetate	0.513	0.579	-12.9	108	0.00
44 TM	Trichloroethene	0.349	0.365	-4.6	106	0.00
45 C	1,2-Dichloropropane	0.338	0.352	-4.1#	106	0.00
46 T	Dibromomethane	0.218	0.229	-5.0	105	0.00
47 T	Bromodichloromethane	0.511	0.550	-7.6	108	0.00
48 T	Methyl methacrylate	0.252	0.294	-16.7	113	0.00

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 ICVVW063025

Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.003	0.003	0.0	106	0.00
50 S	Toluene-d8	1.214	1.228	-1.2	102	0.00
51 T	4-Methyl-2-Pentanone	0.295	0.330	-11.9	105	0.00
52 CM	Toluene	0.894	0.975	-9.1#	111	0.00
53 T	t-1,3-Dichloropropene	0.480	0.538	-12.1	108	0.00
54 T	cis-1,3-Dichloropropene	0.544	0.600	-10.3	109	0.00
55 T	1,1,2-Trichloroethane	0.286	0.307	-7.3	108	0.00
56 T	Ethyl methacrylate	0.387	0.451	-16.5	110	0.00
57 T	1,3-Dichloropropane	0.501	0.521	-4.0	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.240	-12.7	107	0.00
59 T	2-Hexanone	0.200	0.226	-13.0	103	0.00
60 T	Dibromochloromethane	0.341	0.369	-8.2	105	0.00
61 T	1,2-Dibromoethane	0.286	0.305	-6.6	106	0.00
62 S	4-Bromofluorobenzene	0.447	0.467	-4.5	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64 T	Tetrachloroethene	0.327	0.343	-4.9	106	0.00
65 PM	Chlorobenzene	1.103	1.201	-8.9	110	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.402	-14.2	111	0.00
67 C	Ethyl Benzene	1.913	2.149	-12.3#	110	0.00
68 T	m/p-Xylenes	0.735	0.838	-14.0	112	0.00
69 T	o-Xylene	0.681	0.779	-14.4	111	0.00
70 T	Styrene	1.177	1.332	-13.2	107	0.00
71 P	Bromoform	0.210	0.245	-16.7	109	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	3.803	4.153	-9.2	110	0.00
74 T	N-amyl acetate	1.025	1.204	-17.5	112	0.00
75 P	1,1,2,2-Tetrachloroethane	0.844	0.913	-8.2	107	0.00
76 T	1,2,3-Trichloropropane	0.646	0.687	-6.3	104	0.00
77 T	Bromobenzene	0.848	0.953	-12.4	121	0.00
78 T	n-propylbenzene	4.554	5.039	-10.6	112	0.00
79 T	2-Chlorotoluene	2.743	2.990	-9.0	110	0.00
80 T	1,3,5-Trimethylbenzene	3.148	3.542	-12.5	111	0.00
81 T	trans-1,4-Dichloro-2-butene	0.277	0.318	-14.8	108	0.00
82 T	4-Chlorotoluene	2.879	3.063	-6.4	107	0.00
83 T	tert-Butylbenzene	2.697	2.912	-8.0	110	0.00
84 T	1,2,4-Trimethylbenzene	3.190	3.497	-9.6	111	0.00
85 T	sec-Butylbenzene	4.048	4.489	-10.9	111	0.00
86 T	p-Isopropyltoluene	3.336	3.709	-11.2	112	0.00
87 T	1,3-Dichlorobenzene	1.701	1.863	-9.5	112	0.00
88 T	1,4-Dichlorobenzene	1.741	1.838	-5.6	107	0.00
89 T	n-Butylbenzene	3.241	3.659	-12.9	114	0.00
90 T	Hexachloroethane	0.602	0.675	-12.1	113	0.00
91 T	1,2-Dichlorobenzene	1.555	1.688	-8.6	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.165	0.179	-8.5	106	0.00
93 T	1,2,4-Trichlorobenzene	0.959	1.107	-15.4	117	0.00
94 T	Hexachlorobutadiene	0.463	0.535	-15.6	128	0.00
95 T	Naphthalene	2.351	2.676	-13.8	110	0.00

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Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.881	1.011	-14.8	116	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW063025

Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	102	0.00
2 T	Dichlorodifluoromethane	50.000	51.196	-2.4	115	0.00
3 P	Chloromethane	50.000	51.243	-2.5	114	0.00
4 C	Vinyl Chloride	50.000	52.290	-4.6#	112	0.00
5 T	Bromomethane	50.000	49.075	1.8	106	0.00
6 T	Chloroethane	50.000	50.785	-1.6	109	0.00
7 T	Trichlorofluoromethane	50.000	45.877	8.2	98	0.00
8 T	Diethyl Ether	50.000	50.236	-0.5	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.130	-2.3	111	-0.01
10 T	Methyl Iodide	50.000	51.168	-2.3	107	0.00
11 T	Tert butyl alcohol	250.000	273.466	-9.4	106	0.00
12 CM	1,1-Dichloroethene	50.000	51.057	-2.1#	112	0.00
13 T	Acrolein	250.000	238.183	4.7	93	0.00
14 T	Allyl chloride	50.000	53.493	-7.0	111	0.00
15 T	Acrylonitrile	250.000	263.111	-5.2	103	0.00
16 T	Acetone	250.000	255.933	-2.4	114	0.00
17 T	Carbon Disulfide	50.000	51.079	-2.2	108	0.00
18 T	Methyl Acetate	50.000	47.723	4.6	93	0.00
19 T	Methyl tert-butyl Ether	50.000	53.936	-7.9	108	0.00
20 T	Methylene Chloride	50.000	51.478	-3.0	107	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.856	-3.7	109	0.00
22 T	Diisopropyl ether	50.000	53.419	-6.8	108	-0.01
23 T	Vinyl Acetate	250.000	279.810	-11.9	111	0.00
24 P	1,1-Dichloroethane	50.000	52.150	-4.3	110	0.00
25 T	2-Butanone	250.000	280.206	-12.1	106	0.00
26 T	2,2-Dichloropropane	50.000	51.263	-2.5	107	-0.01
27 T	cis-1,2-Dichloroethene	50.000	52.697	-5.4	109	0.00
28 T	Bromochloromethane	50.000	50.675	-1.3	104	0.00
29 T	Tetrahydrofuran	250.000	272.901	-9.2	105	0.00
30 C	Chloroform	50.000	51.829	-3.7#	108	0.00
31 T	Cyclohexane	50.000	50.326	-0.7	112	0.00
32 T	1,1,1-Trichloroethane	50.000	52.429	-4.9	109	-0.01
33 S	1,2-Dichloroethane-d4	50.000	49.923	0.2	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35 S	Dibromofluoromethane	50.000	49.107	1.8	99	0.00
36 T	1,1-Dichloropropene	50.000	54.256	-8.5	112	0.00
37 T	Ethyl Acetate	50.000	56.224	-12.4	111	-0.01
38 T	Carbon Tetrachloride	50.000	54.165	-8.3	113	0.00
39 T	Methylcyclohexane	50.000	54.897	-9.8	114	0.00
40 TM	Benzene	50.000	53.078	-6.2	108	0.00
41 T	Methacrylonitrile	50.000	59.345	-18.7	109	0.00
42 TM	1,2-Dichloroethane	50.000	52.674	-5.3	107	0.00
43 T	Isopropyl Acetate	50.000	56.382	-12.8	108	0.00
44 TM	Trichloroethene	50.000	52.391	-4.8	106	0.00
45 C	1,2-Dichloropropane	50.000	52.122	-4.2#	106	0.00
46 T	Dibromomethane	50.000	52.504	-5.0	105	0.00
47 T	Bromodichloromethane	50.000	53.804	-7.6	108	0.00
48 T	Methyl methacrylate	50.000	58.260	-16.5	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW063025

Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)

49 T	1,4-Dioxane	1000.000	1062.966	-6.3	106	0.00
50 S	Toluene-d8	50.000	50.552	-1.1	102	0.00
51 T	4-Methyl-2-Pentanone	250.000	279.124	-11.6	105	0.00
52 CM	Toluene	50.000	54.503	-9.0#	111	0.00
53 T	t-1,3-Dichloropropene	50.000	56.049	-12.1	108	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.157	-10.3	109	0.00
55 T	1,1,2-Trichloroethane	50.000	53.844	-7.7	108	0.00
56 T	Ethyl methacrylate	50.000	58.189	-16.4	110	0.00
57 T	1,3-Dichloropropane	50.000	51.971	-3.9	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	281.479	-12.6	107	0.00
59 T	2-Hexanone	250.000	282.722	-13.1	103	0.00
60 T	Dibromochloromethane	50.000	53.973	-7.9	105	0.00
61 T	1,2-Dibromoethane	50.000	53.440	-6.9	106	0.00
62 S	4-Bromofluorobenzene	50.000	52.265	-4.5	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64 T	Tetrachloroethene	50.000	52.421	-4.8	106	0.00
65 PM	Chlorobenzene	50.000	54.443	-8.9	110	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	57.176	-14.4	111	0.00
67 C	Ethyl Benzene	50.000	56.161	-12.3#	110	0.00
68 T	m/p-Xylenes	100.000	113.903	-13.9	112	0.00
69 T	o-Xylene	50.000	57.208	-14.4	111	0.00
70 T	Styrene	50.000	56.574	-13.1	107	0.00
71 P	Bromoform	50.000	58.331	-16.7	109	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	54.594	-9.2	110	0.00
74 T	N-amyl acetate	50.000	58.715	-17.4	112	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.047	-8.1	107	0.00
76 T	1,2,3-Trichloropropane	50.000	53.142	-6.3	104	0.00
77 T	Bromobenzene	50.000	56.175	-12.3	121	0.00
78 T	n-propylbenzene	50.000	55.325	-10.7	112	0.00
79 T	2-Chlorotoluene	50.000	54.514	-9.0	110	0.00
80 T	1,3,5-Trimethylbenzene	50.000	56.260	-12.5	111	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	57.276	-14.6	108	0.00
82 T	4-Chlorotoluene	50.000	53.189	-6.4	107	0.00
83 T	tert-Butylbenzene	50.000	53.999	-8.0	110	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.815	-9.6	111	0.00
85 T	sec-Butylbenzene	50.000	55.450	-10.9	111	0.00
86 T	p-Isopropyltoluene	50.000	55.591	-11.2	112	0.00
87 T	1,3-Dichlorobenzene	50.000	54.762	-9.5	112	0.00
88 T	1,4-Dichlorobenzene	50.000	52.771	-5.5	107	0.00
89 T	n-Butylbenzene	50.000	56.443	-12.9	114	0.00
90 T	Hexachloroethane	50.000	56.049	-12.1	113	0.00
91 T	1,2-Dichlorobenzene	50.000	54.274	-8.5	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	54.174	-8.3	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	57.742	-15.5	117	0.00
94 T	Hexachlorobutadiene	50.000	57.772	-15.5	128	0.00
95 T	Naphthalene	50.000	56.915	-13.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	57.366	-14.7	116	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG No.: Q2480
 Instrument ID: MSVOA_X Calibration Date(s): 07/02/2025 07/02/2025
 Heated Purge: (Y/N) N Calibration Time(s): 12:11 14:31
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX046860.D			RRF005 = VX046861.D		RRF020 = VX046862.D		
	RRF050 = VX046863.D			RRF100 = VX046864.D		RRF150 = VX046865.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.445	0.433	0.512	0.487	0.503	0.490	0.478	6.7
Chloromethane	0.505	0.507	0.541	0.508	0.543	0.530	0.522	3.4
Vinyl Chloride	0.568	0.549	0.591	0.550	0.589	0.566	0.569	3.2
Bromomethane		0.402	0.402	0.360	0.369	0.295	0.366	12
Chloroethane	0.443	0.365	0.383	0.347	0.362	0.354	0.376	9.4
Trichlorofluoromethane	0.847	0.874	0.921	0.857	0.893	0.885	0.880	3
1,1,2-Trichlorotrifluoroethane	0.527	0.571	0.583	0.548	0.572	0.562	0.561	3.6
1,1-Dichloroethene	0.543	0.555	0.546	0.524	0.546	0.540	0.542	1.9
Acetone	0.236	0.210	0.195	0.193	0.197	0.200	0.205	7.9
Carbon Disulfide	1.585	1.425	1.405	1.342	1.398	1.376	1.422	6
Methyl tert-butyl Ether	1.447	1.470	1.540	1.528	1.587	1.615	1.531	4.2
Methyl Acetate	0.488	0.474	0.560	0.553	0.570	0.599	0.541	9.1
Methylene Chloride	0.623	0.625	0.624	0.585	0.596	0.588	0.607	3.1
trans-1,2-Dichloroethene	0.552	0.564	0.575	0.541	0.551	0.545	0.555	2.3
1,1-Dichloroethane	1.080	1.084	1.074	1.039	1.055	1.050	1.064	1.7
Cyclohexane		0.973	0.977	0.918	0.926	0.927	0.944	3
2-Butanone	0.260	0.270	0.275	0.275	0.276	0.286	0.274	3.1
Carbon Tetrachloride	0.471	0.505	0.495	0.476	0.480	0.478	0.484	2.7
cis-1,2-Dichloroethene	0.711	0.669	0.688	0.660	0.670	0.666	0.677	2.8
Bromochloromethane	0.529	0.543	0.524	0.528	0.516	0.508	0.525	2.3
Chloroform	1.150	1.106	1.112	1.048	1.052	1.050	1.087	3.9
1,1,1-Trichloroethane	0.944	0.897	0.908	0.886	0.901	0.910	0.908	2.2
Methylcyclohexane	0.539	0.588	0.589	0.567	0.578	0.576	0.573	3.2
Benzene	1.391	1.445	1.452	1.356	1.342	1.324	1.385	3.9
1,2-Dichloroethane	0.499	0.477	0.487	0.460	0.453	0.446	0.470	4.4
Trichloroethene	0.386	0.377	0.365	0.344	0.347	0.344	0.361	5
1,2-Dichloropropane	0.364	0.340	0.362	0.346	0.345	0.342	0.350	3
Bromodichloromethane	0.538	0.508	0.535	0.510	0.508	0.507	0.518	2.9
4-Methyl-2-Pentanone	0.330	0.340	0.368	0.366	0.353	0.357	0.353	4.3
Toluene	0.855	0.894	0.906	0.841	0.831	0.823	0.858	3.9

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG No.: Q2480
 Instrument ID: MSVOA_X Calibration Date(s): 07/02/2025 07/02/2025
 Heated Purge: (Y/N) N Calibration Time(s): 12:11 14:31
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX046860.D		RRF005 = VX046861.D		RRF020 = VX046862.D			
		RRF050 = VX046863.D		RRF100 = VX046864.D		RRF150 = VX046865.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.408	0.431	0.467	0.472	0.490	0.504	0.462	7.8	
cis-1,3-Dichloropropene	0.496	0.499	0.532	0.533	0.549	0.554	0.527	4.7	
1,1,2-Trichloroethane	0.325	0.329	0.328	0.318	0.310	0.308	0.320	2.8	
2-Hexanone	0.205	0.227	0.245	0.247	0.238	0.242	0.234	6.8	
Dibromochloromethane	0.383	0.390	0.393	0.377	0.376	0.377	0.383	1.9	
1,2-Dibromoethane	0.323	0.317	0.332	0.320	0.317	0.317	0.321	1.8	
Tetrachloroethene	0.353	0.346	0.345	0.315	0.320	0.318	0.333	5.1	
Chlorobenzene	1.111	1.117	1.113	1.049	1.051	1.045	1.081	3.3	
Ethyl Benzene	1.810	1.868	1.929	1.830	1.846	1.824	1.851	2.3	
m/p-Xylenes	0.702	0.710	0.731	0.688	0.683	0.672	0.698	3.1	
o-Xylene	0.676	0.677	0.703	0.665	0.663	0.660	0.674	2.4	
Styrene	1.070	1.152	1.228	1.175	1.157	1.134	1.153	4.5	
Bromoform	0.269	0.261	0.273	0.269	0.275	0.275	0.270	1.9	
Isopropylbenzene	3.267	3.428	3.611	3.601	3.592	3.590	3.515	4	
1,1,2,2-Tetrachloroethane	1.000	0.948	0.981	0.963	0.939	0.968	0.966	2.3	
1,3-Dichlorobenzene	1.615	1.664	1.673	1.627	1.625	1.619	1.637	1.5	
1,4-Dichlorobenzene	1.852	1.776	1.711	1.632	1.622	1.632	1.704	5.5	
1,2-Dichlorobenzene	1.626	1.592	1.625	1.568	1.560	1.550	1.587	2.1	
1,2-Dibromo-3-Chloropropane	0.158	0.151	0.164	0.171	0.178	0.192	0.169	8.7	
1,2,4-Trichlorobenzene	1.016	1.020	1.078	1.087	1.121	1.145	1.078	4.9	
1,2,3-Trichlorobenzene	0.900	0.965	1.033	1.045	1.069	1.099	1.019	7.2	
1,2-Dichloroethane-d4		0.722	0.652	0.647	0.641	0.640	0.661	5.3	
Dibromofluoromethane		0.355	0.346	0.339	0.332	0.325	0.339	3.5	
Toluene-d8		1.278	1.220	1.195	1.160	1.135	1.197	4.6	
4-Bromofluorobenzene		0.493	0.469	0.455	0.433	0.426	0.455	6	

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X070225W.M
 Title : SW846 8260
 Last Update : Thu Jul 03 05:51:11 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX046860.D 5 =VX046861.D 20 =VX046862.D 50 =VX046863.D 100 =VX046864.D 150 =VX046865.D

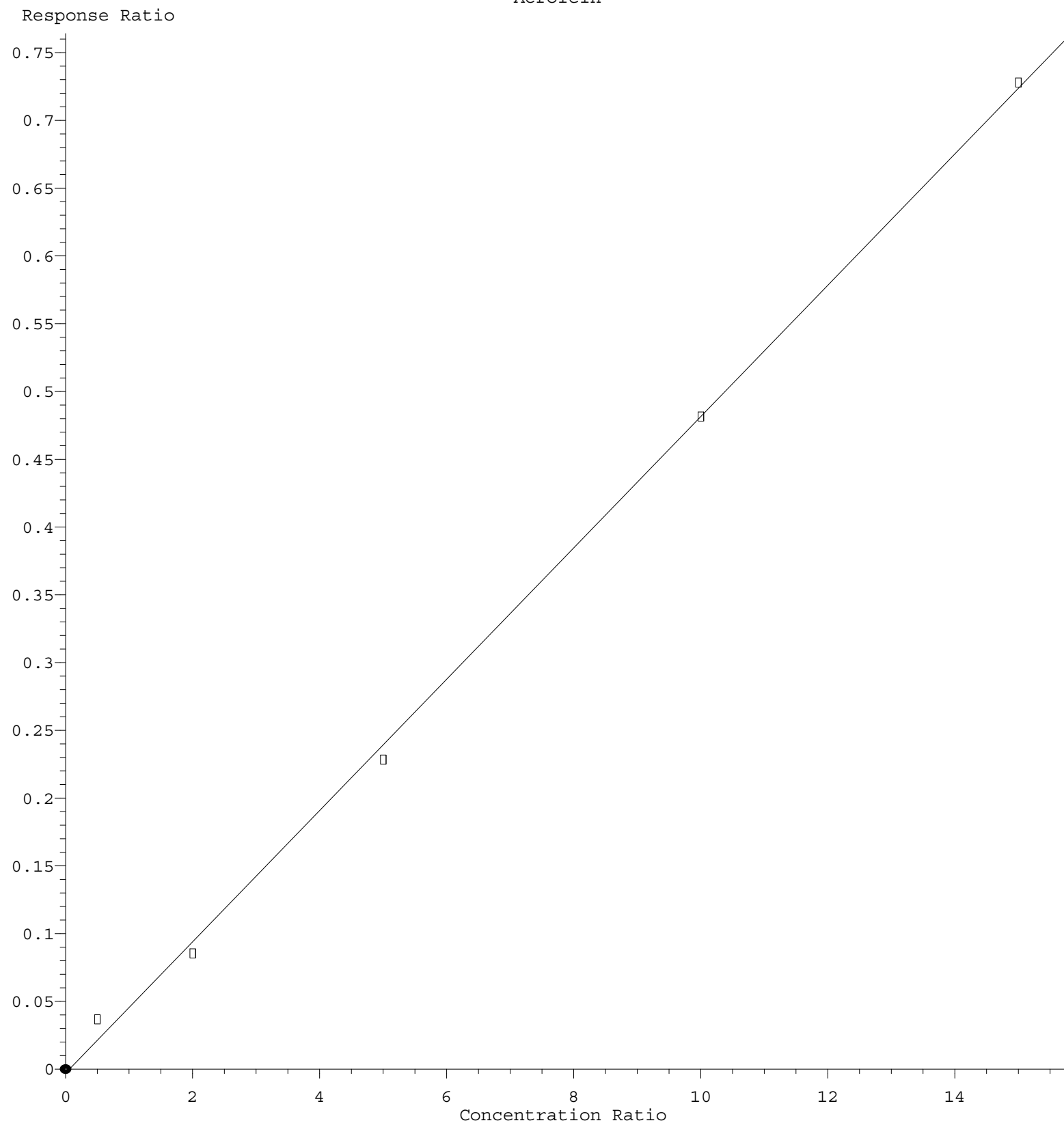
	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.445	0.433	0.512	0.487	0.503	0.490	0.478	6.67
3) P	Chloromethane	0.505	0.507	0.541	0.508	0.543	0.530	0.522	3.38
4) C	Vinyl Chloride	0.568	0.549	0.591	0.550	0.589	0.566	0.569	3.19#
5) T	Bromomethane		0.402	0.402	0.360	0.369	0.295	0.366	12.04
6) T	Chloroethane	0.443	0.365	0.383	0.347	0.362	0.354	0.376	9.38
7) T	Trichlorofluor...	0.847	0.874	0.921	0.857	0.893	0.885	0.880	3.02
8) T	Diethyl Ether	0.315	0.308	0.316	0.304	0.317	0.317	0.313	1.78
9) T	1,1,2-Trichlor...	0.527	0.571	0.583	0.548	0.572	0.562	0.561	3.58
10) T	Methyl Iodide		0.465	0.581	0.631	0.681	0.696	0.611	15.27
11) T	Tert butyl alc...		0.044	0.042	0.042	0.043	0.045	0.043	3.54
12) CM	1,1-Dichloroet...	0.543	0.555	0.546	0.524	0.546	0.540	0.542	1.85#
13) T	Acrolein		0.074	0.043	0.046	0.048	0.049	0.052	24.05
14) T	Allyl chloride	0.975	0.939	0.963	0.943	0.988	0.983	0.965	2.12
15) T	Acrylonitrile	0.266	0.238	0.249	0.246	0.250	0.254	0.250	3.81
16) T	Acetone	0.236	0.210	0.195	0.193	0.197	0.200	0.205	7.90
17) T	Carbon Disulfide	1.585	1.425	1.405	1.342	1.398	1.376	1.422	5.98
18) T	Methyl Acetate	0.488	0.474	0.560	0.553	0.570	0.599	0.541	9.08
19) T	Methyl tert-bu...	1.447	1.470	1.540	1.528	1.587	1.615	1.531	4.25
20) T	Methylene Chlo...	0.623	0.625	0.624	0.585	0.596	0.588	0.607	3.14
21) T	trans-1,2-Dich...	0.552	0.564	0.575	0.541	0.551	0.545	0.555	2.31
22) T	Diisopropyl ether	1.666	1.831	1.967	1.905	1.927	1.893	1.865	5.75
23) T	Vinyl Acetate	1.255	1.341	1.423	1.423	1.465	1.475	1.397	6.02
24) P	1,1-Dichloroet...	1.080	1.084	1.074	1.039	1.055	1.050	1.064	1.71
25) T	2-Butanone	0.260	0.270	0.275	0.275	0.276	0.286	0.274	3.07
26) T	2,2-Dichloropr...	0.832	0.746	0.782	0.761	0.802	0.826	0.792	4.38
27) T	cis-1,2-Dichlo...	0.711	0.669	0.688	0.660	0.670	0.666	0.677	2.78
28) T	Bromochloromet...	0.529	0.543	0.524	0.528	0.516	0.508	0.525	2.29
29) T	Tetrahydrofuran	0.175	0.162	0.174	0.175	0.178	0.183	0.175	4.02
30) C	Chloroform	1.150	1.106	1.112	1.048	1.052	1.050	1.087	3.93#
31) T	Cyclohexane		0.973	0.977	0.918	0.926	0.927	0.944	3.00
32) T	1,1,1-Trichlor...	0.944	0.897	0.908	0.886	0.901	0.910	0.908	2.17
33) S	1,2-Dichloroet...		0.722	0.652	0.647	0.641	0.640	0.661	5.29
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.355	0.346	0.339	0.332	0.325	0.339	3.47
36) T	1,1-Dichloropr...	0.499	0.477	0.461	0.439	0.434	0.437	0.458	5.71
37) T	Ethyl Acetate	0.506	0.376	0.371	0.360	0.355	0.373	0.390	14.73
38) T	Carbon Tetrach...	0.471	0.505	0.495	0.476	0.480	0.478	0.484	2.73
39) T	Methylcyclohexane	0.539	0.588	0.589	0.567	0.578	0.576	0.573	3.20
40) TM	Benzene	1.391	1.445	1.452	1.356	1.342	1.324	1.385	3.88
41) T	Methacrylonitrile	0.175	0.196	0.222	0.213	0.221	0.222	0.208	9.12
42) TM	1,2-Dichloroet...	0.499	0.477	0.487	0.460	0.453	0.446	0.470	4.39
43) T	Isopropyl Acetate	0.508	0.562	0.613	0.618	0.630	0.652	0.597	8.82
44) TM	Trichloroethene	0.386	0.377	0.365	0.344	0.347	0.344	0.361	5.02
45) C	1,2-Dichloropr...	0.364	0.340	0.362	0.346	0.345	0.342	0.350	3.03#
46) T	Dibromomethane	0.247	0.246	0.250	0.240	0.236	0.237	0.242	2.35
47) T	Bromodichlorom...	0.538	0.508	0.535	0.510	0.508	0.507	0.518	2.87
48) T	Methyl methacr...	0.257	0.294	0.307	0.322	0.329	0.343	0.308	9.89
49) T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004	0.004	2.38
50) S	Toluene-d8		1.278	1.220	1.195	1.160	1.135	1.197	4.60
51) T	4-Methyl-2-Pen...	0.330	0.340	0.368	0.366	0.353	0.357	0.353	4.26
52) CM	Toluene	0.855	0.894	0.906	0.841	0.831	0.823	0.858	3.95#
53) T	t-1,3-Dichloro...	0.408	0.431	0.467	0.472	0.490	0.504	0.462	7.81
54) T	cis-1,3-Dichlo...	0.496	0.499	0.532	0.533	0.549	0.554	0.527	4.71
55) T	1,1,2-Trichlor...	0.325	0.329	0.328	0.318	0.310	0.308	0.320	2.82
56) T	Ethyl methacry...	0.390	0.409	0.447	0.459	0.468	0.482	0.442	8.13

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X070225W.M

57)	T	1,3-Dichloropr...	0.567	0.567	0.572	0.541	0.528	0.527	0.550	3.76
58)	T	2-Chloroethyl ...	0.217	0.235	0.258	0.267	0.260	0.259	0.249	7.69
59)	T	2-Hexanone	0.205	0.227	0.245	0.247	0.238	0.242	0.234	6.83
60)	T	Dibromochlorom...	0.383	0.390	0.393	0.377	0.376	0.377	0.383	1.94
61)	T	1,2-Dibromoethane	0.323	0.317	0.332	0.320	0.317	0.317	0.321	1.82
62)	S	4-Bromofluorob...		0.493	0.469	0.455	0.433	0.426	0.455	5.97
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.353	0.346	0.345	0.315	0.320	0.318	0.333	5.13
65)	PM	Chlorobenzene	1.111	1.117	1.113	1.049	1.051	1.045	1.081	3.32
66)	T	1,1,1,2-Tetrac...	0.366	0.347	0.377	0.359	0.366	0.367	0.363	2.75
67)	C	Ethyl Benzene	1.810	1.868	1.929	1.830	1.846	1.824	1.851	2.32#
68)	T	m/p-Xylenes	0.702	0.710	0.731	0.688	0.683	0.672	0.698	3.05
69)	T	o-Xylene	0.676	0.677	0.703	0.665	0.663	0.660	0.674	2.36
70)	T	Styrene	1.070	1.152	1.228	1.175	1.157	1.134	1.153	4.50
71)	P	Bromoform	0.269	0.261	0.273	0.269	0.275	0.275	0.270	1.94
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.267	3.428	3.611	3.601	3.592	3.590	3.515	3.97
74)	T	N-amyl acetate	0.953	1.079	1.194	1.270	1.303	1.367	1.194	12.93
75)	P	1,1,2,2-Tetrac...	1.000	0.948	0.981	0.963	0.939	0.968	0.966	2.26
76)	T	1,2,3-Trichlor...	0.781	0.720	0.770	0.787	0.791	0.787	0.773	3.46
77)	T	Bromobenzene	0.868	0.890	0.876	0.876	0.870	0.872	0.875	0.89
78)	T	n-propylbenzene	4.048	4.223	4.362	4.293	4.271	4.233	4.238	2.50
79)	T	2-Chlorotoluene	2.441	2.523	2.596	2.482	2.498	2.474	2.503	2.13
80)	T	1,3,5-Trimethy...	2.574	2.780	3.014	2.924	2.947	2.896	2.856	5.54
81)	T	trans-1,4-Dich...		0.236	0.267	0.292	0.312	0.333	0.288	13.09
82)	T	4-Chlorotoluene	2.755	2.916	2.982	2.915	2.899	2.859	2.888	2.64
83)	T	tert-Butylbenzene	2.733	2.876	3.036	3.020	3.031	3.002	2.950	4.13
84)	T	1,2,4-Trimethy...	2.615	2.872	3.017	2.949	2.930	2.937	2.887	4.88
85)	T	sec-Butylbenzene	3.475	3.721	3.852	3.782	3.766	3.719	3.719	3.47
86)	T	p-Isopropyltol...	2.948	3.159	3.181	3.162	3.160	3.077	3.114	2.87
87)	T	1,3-Dichlorobe...	1.615	1.664	1.673	1.627	1.625	1.619	1.637	1.50
88)	T	1,4-Dichlorobe...	1.852	1.776	1.711	1.632	1.622	1.632	1.704	5.52
89)	T	n-Butylbenzene	2.747	2.891	3.036	2.987	2.983	2.914	2.926	3.51
90)	T	Hexachloroethane	0.530	0.523	0.537	0.554	0.581	0.589	0.552	4.95
91)	T	1,2-Dichlorobe...	1.626	1.592	1.625	1.568	1.560	1.550	1.587	2.07
92)	T	1,2-Dibromo-3-...	0.158	0.151	0.164	0.171	0.178	0.192	0.169	8.69
93)	T	1,2,4-Trichlor...	1.016	1.020	1.078	1.087	1.121	1.145	1.078	4.86
94)	T	Hexachlorobuta...	0.393	0.397	0.421	0.409	0.408	0.411	0.407	2.52
95)	T	Naphthalene	2.210	2.537	2.893	3.034	3.096	3.273	2.840	13.92
96)	T	1,2,3-Trichlor...	0.900	0.965	1.033	1.045	1.069	1.099	1.019	7.20

(#) = Out of Range

Acrolein



$\text{Response} = 4.842\text{e-}002 * \text{Amt} - 2.745\text{e-}003$
 Coef of Det (r^2) = 0.998662 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X070225W.M
 Calibration Table Last Updated: Thu Jul 03 05:51:11 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046860.D
 Acq On : 02 Jul 2025 12:11
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:29:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	372069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	622566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	571866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	290571	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	3309	0.930	ug/l	89
3) Chloromethane	1.307	50	3761	0.967	ug/l	89
4) Vinyl Chloride	1.386	62	4227	0.998	ug/l	99
6) Chloroethane	1.703	64	3296	1.179	ug/l	94
7) Trichlorofluoromethane	1.910	101	6304	0.963	ug/l	88
8) Diethyl Ether	2.148	74	2346	1.007	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	3923	0.940	ug/l	93
12) 1,1-Dichloroethene	2.337	96	4037	1.001	ug/l	90
14) Allyl chloride	2.678	41	7259	1.011	ug/l	96
15) Acrylonitrile	3.081	53	9914m	5.298	ug/l	
16) Acetone	2.386	43	8778	5.749	ug/l	89
17) Carbon Disulfide	2.532	76	11797	1.115	ug/l #	88
18) Methyl Acetate	2.715	43	3632	0.903	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	10768	0.945	ug/l	96
20) Methylene Chloride	2.800	84	4636	1.027	ug/l #	91
21) trans-1,2-Dichloroethene	3.111	96	4109	0.995	ug/l	92
22) Diisopropyl ether	3.776	45	12396	0.893	ug/l #	56
23) Vinyl Acetate	3.739	43	46702	4.492	ug/l	97
24) 1,1-Dichloroethane	3.623	63	8033	1.015	ug/l	98
25) 2-Butanone	4.599	43	9681m	4.752	ug/l	
26) 2,2-Dichloropropane	4.483	77	6192	1.051	ug/l	93
27) cis-1,2-Dichloroethene	4.501	96	5289	1.049	ug/l	98
28) Bromochloromethane	4.910	49	3938	1.008	ug/l #	95
29) Tetrahydrofuran	5.025	42	6512	5.015	ug/l #	62
30) Chloroform	5.111	83	8561	1.059	ug/l #	80
32) 1,1,1-Trichloroethane	5.391	97	7025	1.040	ug/l #	49
36) 1,1-Dichloropropene	5.702	75	6211	1.089	ug/l	91
37) Ethyl Acetate	4.763	43	6302m	1.298	ug/l	
38) Carbon Tetrachloride	5.690	117	5859m	0.959	ug/l	
39) Methylcyclohexane	7.385	83	6714	0.941	ug/l	86
40) Benzene	6.050	78	17315	1.004	ug/l #	87
41) Methacrylonitrile	4.958	41	2181m	0.842	ug/l	
42) 1,2-Dichloroethane	6.104	62	6218	1.062	ug/l	88
43) Isopropyl Acetate	6.354	43	6331	0.851	ug/l #	79
44) Trichloroethene	7.135	130	4807	1.071	ug/l	94
45) 1,2-Dichloropropane	7.446	63	4536	1.041	ug/l #	77

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046860.D
 Acq On : 02 Jul 2025 12:11
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:29:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	3072	1.018	ug/l	96
47) Bromodichloromethane	7.830	83	6705	1.040	ug/l	91
48) Methyl methacrylate	7.714	41	3198	0.833	ug/l #	54
49) 1,4-Dioxane	7.683	88	860m	19.325	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	20561	4.684	ug/l	97
52) Toluene	8.726	92	10648	0.996	ug/l	96
53) t-1,3-Dichloropropene	8.994	75	5080	0.883	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	6171	0.940	ug/l #	47
55) 1,1,2-Trichloroethane	9.159	97	4046	1.016	ug/l #	84
56) Ethyl methacrylate	9.122	69	4850	0.880	ug/l	95
57) 1,3-Dichloropropane	9.311	76	7057	1.030	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.250	63	13509	4.352	ug/l	100
59) 2-Hexanone	9.439	43	12742	4.376	ug/l	94
60) Dibromochloromethane	9.519	129	4772	1.002	ug/l	95
61) 1,2-Dibromoethane	9.610	107	4026	1.007	ug/l	100
64) Tetrachloroethene	9.275	164	4039	1.061	ug/l #	86
65) Chlorobenzene	10.079	112	12712	1.028	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	4188	1.008	ug/l #	65
67) Ethyl Benzene	10.195	91	20707	0.978	ug/l	96
68) m/p-Xylenes	10.305	106	16047	2.011	ug/l	91
69) o-Xylene	10.640	106	7726	1.002	ug/l	95
70) Styrene	10.659	104	12236	0.928	ug/l	98
71) Bromoform	10.805	173	3071	0.994	ug/l #	97
73) Isopropylbenzene	10.963	105	18985	0.929	ug/l	100
74) N-amyl acetate	10.848	43	5537	0.798	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	5809	1.034	ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	4536m	1.010	ug/l	
77) Bromobenzene	11.201	156	5045	0.992	ug/l	96
78) n-propylbenzene	11.305	91	23522	0.955	ug/l	98
79) 2-Chlorotoluene	11.366	91	14185	0.975	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	14958	0.901	ug/l	100
82) 4-Chlorotoluene	11.457	91	16012	0.954	ug/l	97
83) tert-Butylbenzene	11.713	119	15883	0.927	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	15197	0.906	ug/l	96
85) sec-Butylbenzene	11.890	105	20193	0.934	ug/l	99
86) p-Isopropyltoluene	12.006	119	17131	0.946	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	9388	0.987	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	10764m	1.087	ug/l	
89) n-Butylbenzene	12.335	91	15963	0.939	ug/l	99
90) Hexachloroethane	12.536	117	3079	0.960	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	9448	1.025	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	920	0.937	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	5904	0.942	ug/l	98
94) Hexachlorobutadiene	13.725	225	2281	0.966	ug/l	87
95) Naphthalene	13.780	128	12846	0.778	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	5231	0.884	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

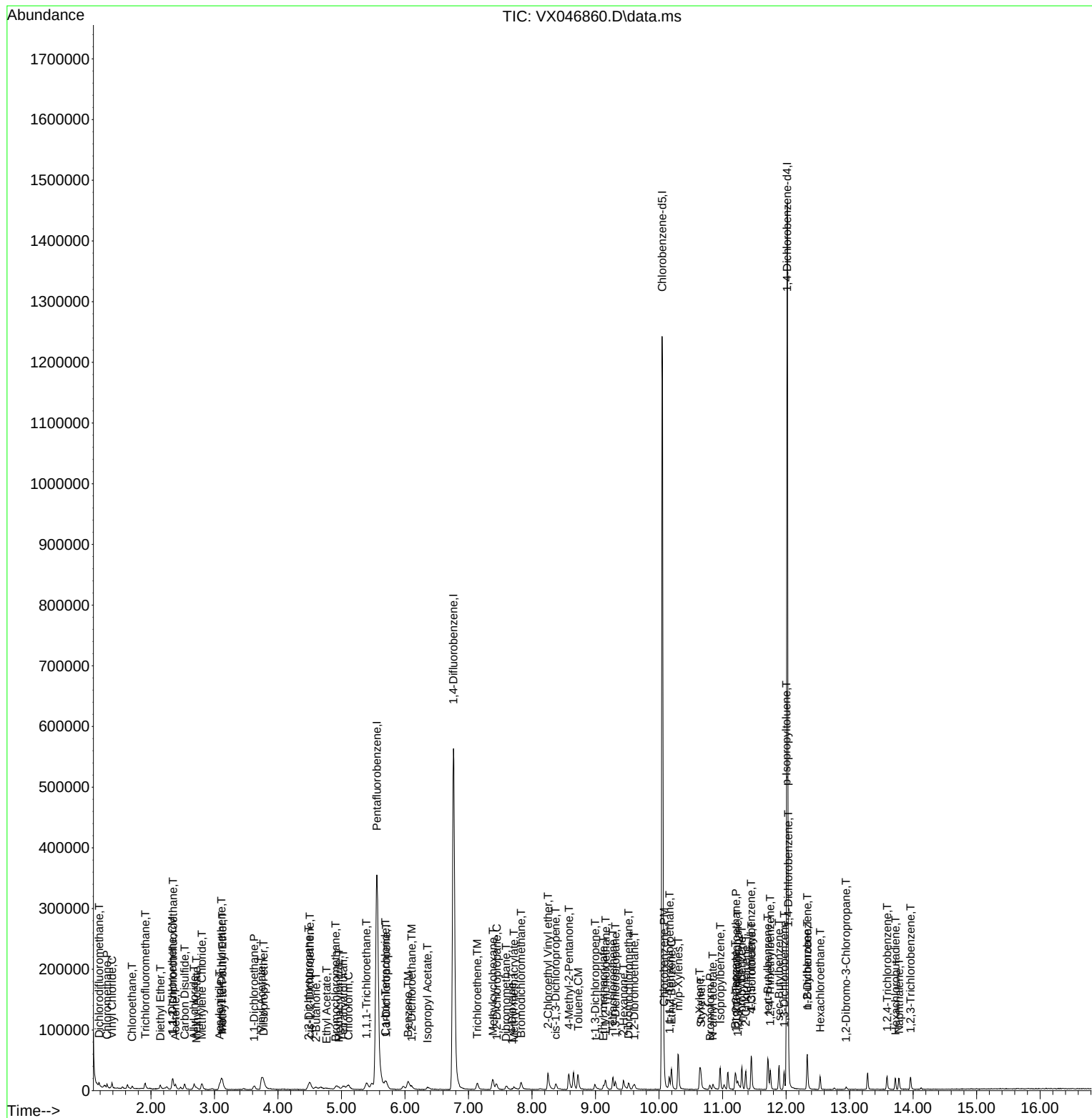
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046860.D
Acq On : 02 Jul 2025 12:11
Operator : JC/MD
Sample : VSTDIC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:29:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046861.D
 Acq On : 02 Jul 2025 12:37
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:30:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	396691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	652365	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	592225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	309407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	28658	5.468	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.940%#		
35) Dibromofluoromethane	5.397	113	23179	5.234	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.460%#		
50) Toluene-d8	8.647	98	83349	5.335	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.079	95	32156	5.415	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.840%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.178	85	17184	4.530	ug/l	99
3) Chloromethane	1.306	50	20130	4.857	ug/l	95
4) Vinyl Chloride	1.386	62	21789	4.827	ug/l	99
5) Bromomethane	1.623	94	15966	5.505	ug/l	93
6) Chloroethane	1.703	64	14497	4.864	ug/l	97
7) Trichlorofluoromethane	1.904	101	34689	4.970	ug/l	98
8) Diethyl Ether	2.148	74	12204	4.914	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	22655	5.094	ug/l	98
10) Methyl Iodide	2.465	142	18441	3.806	ug/l	95
11) Tert butyl alcohol	2.952	59	8771	25.519	ug/l	100
12) 1,1-Dichloroethene	2.337	96	22008	5.116	ug/l	100
13) Acrolein	2.245	56	14598	40.835	ug/l	98
14) Allyl chloride	2.678	41	37266	4.866	ug/l	95
15) Acrylonitrile	3.074	53	47130	23.621	ug/l	100
16) Acetone	2.385	43	41693	25.612	ug/l	94
17) Carbon Disulfide	2.526	76	56543	5.012	ug/l	98
18) Methyl Acetate	2.715	43	18796	4.381	ug/l	92
19) Methyl tert-butyl Ether	3.123	73	58304	4.800	ug/l	96
20) Methylene Chloride	2.800	84	24790	5.150	ug/l	92
21) trans-1,2-Dichloroethene	3.105	96	22385	5.086	ug/l	98
22) Diisopropyl ether	3.763	45	72646	4.910	ug/l #	74
23) Vinyl Acetate	3.733	43	265941	23.992	ug/l	97
24) 1,1-Dichloroethane	3.617	63	42994	5.095	ug/l	97
25) 2-Butanone	4.568	43	53597	24.678	ug/l	99
26) 2,2-Dichloropropane	4.483	77	29599	4.713	ug/l	79
27) cis-1,2-Dichloroethene	4.501	96	26549	4.940	ug/l	96
28) Bromochloromethane	4.915	49	21555	5.176	ug/l	94
29) Tetrahydrofuran	5.019	42	32120	23.200	ug/l	98
30) Chloroform	5.098	83	43886	5.091	ug/l	99
31) Cyclohexane	5.482	56	38601	5.153	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	35598	4.943	ug/l	95
36) 1,1-Dichloropropene	5.702	75	31138	5.212	ug/l	98
37) Ethyl Acetate	4.733	43	24519	4.818	ug/l #	92
38) Carbon Tetrachloride	5.690	117	32963	5.151	ug/l	93
39) Methylcyclohexane	7.385	83	38332	5.129	ug/l	99
40) Benzene	6.043	78	94260	5.216	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046861.D
 Acq On : 02 Jul 2025 12:37
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:30:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	12777	4.707	ug/l #	94
42) 1,2-Dichloroethane	6.092	62	31102	5.068	ug/l	98
43) Isopropyl Acetate	6.348	43	36681	4.706	ug/l	98
44) Trichloroethene	7.128	130	24587	5.227	ug/l	98
45) 1,2-Dichloropropane	7.433	63	22205	4.863	ug/l	91
46) Dibromomethane	7.586	93	16018	5.063	ug/l	99
47) Bromodichloromethane	7.824	83	33143	4.907	ug/l	99
48) Methyl methacrylate	7.702	41	19166	4.762	ug/l	98
49) 1,4-Dioxane	7.671	88	4647	99.650	ug/l #	90
51) 4-Methyl-2-Pentanone	8.573	43	110844	24.096	ug/l	100
52) Toluene	8.720	92	58295	5.206	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	28142	4.668	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	32562	4.732	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	21431	5.138	ug/l	96
56) Ethyl methacrylate	9.122	69	26665	4.619	ug/l	97
57) 1,3-Dichloropropane	9.311	76	37000	5.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	76711	23.583	ug/l	99
59) 2-Hexanone	9.433	43	73995	24.251	ug/l	94
60) Dibromochloromethane	9.518	129	25465	5.101	ug/l	96
61) 1,2-Dibromoethane	9.610	107	20695	4.940	ug/l	98
64) Tetrachloroethene	9.274	164	20514	5.203	ug/l	97
65) Chlorobenzene	10.079	112	66148	5.166	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	20533	4.770	ug/l	94
67) Ethyl Benzene	10.195	91	110637	5.046	ug/l	97
68) m/p-Xylenes	10.299	106	84083	10.176	ug/l	100
69) o-Xylene	10.640	106	40078	5.021	ug/l	99
70) Styrene	10.652	104	68250	4.998	ug/l	99
71) Bromoform	10.799	173	15461	4.831	ug/l #	99
73) Isopropylbenzene	10.963	105	106065	4.876	ug/l	98
74) N-amyl acetate	10.841	43	33387	4.517	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	29333	4.905	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	22279m	4.660	ug/l	
77) Bromobenzene	11.195	156	27534	5.082	ug/l	95
78) n-propylbenzene	11.298	91	130658	4.982	ug/l	97
79) 2-Chlorotoluene	11.359	91	78075	5.042	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	86020	4.867	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7304	4.100	ug/l #	81
82) 4-Chlorotoluene	11.451	91	90236	5.049	ug/l	100
83) tert-Butylbenzene	11.713	119	88998	4.876	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	88868	4.975	ug/l	95
85) sec-Butylbenzene	11.890	105	115141	5.003	ug/l	100
86) p-Isopropyltoluene	12.006	119	97742	5.072	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	51500	5.083	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	54943	5.210	ug/l	95
89) n-Butylbenzene	12.329	91	89435	4.939	ug/l	97
90) Hexachloroethane	12.536	117	16170	4.733	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	49253	5.016	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	4675	4.469	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	31558	4.731	ug/l	100
94) Hexachlorobutadiene	13.719	225	12292	4.886	ug/l	97
95) Naphthalene	13.774	128	78483	4.465	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	29854	4.737	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046861.D
Acq On : 02 Jul 2025 12:37
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

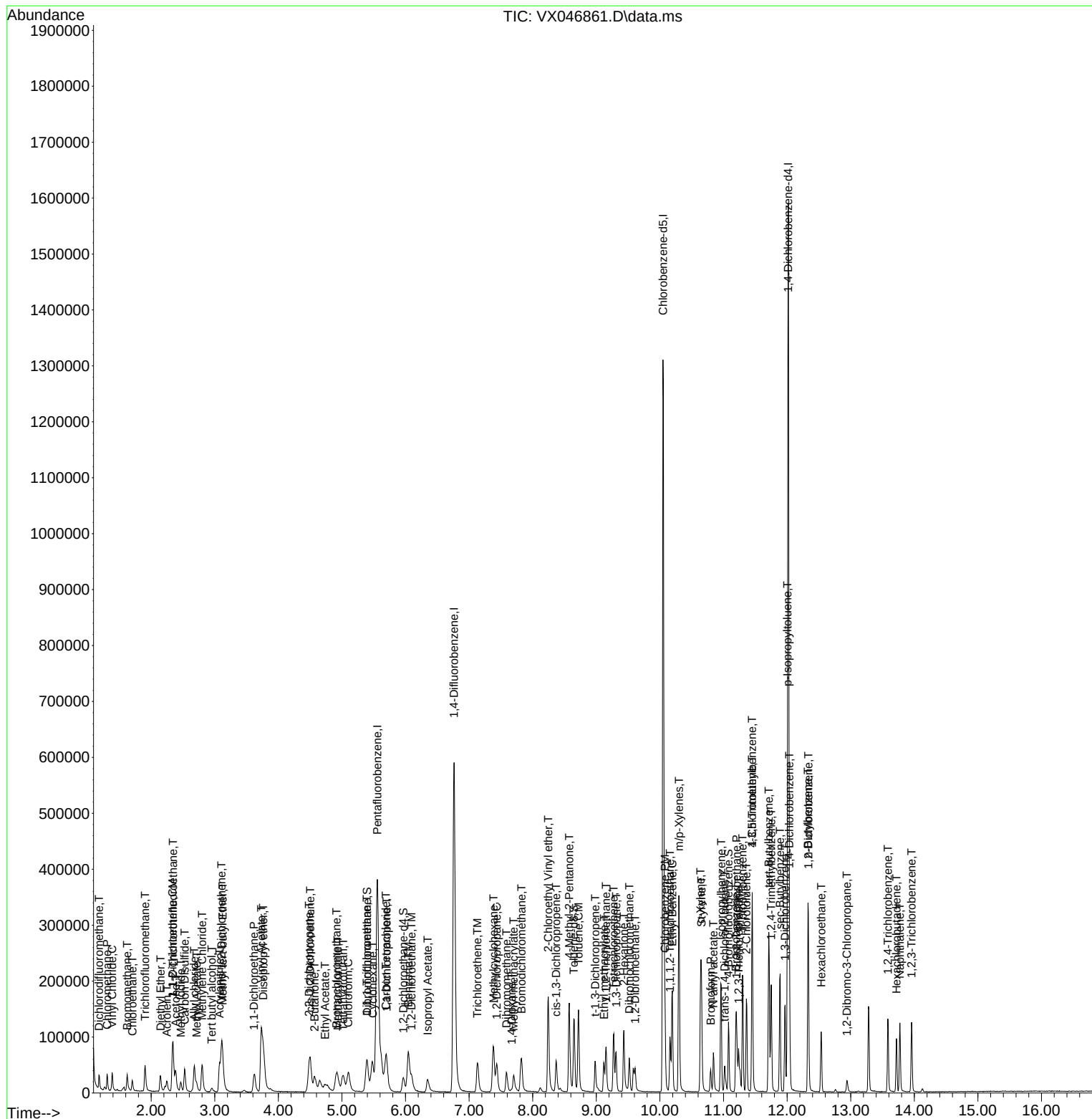
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046861.D
Acq On : 02 Jul 2025 12:37
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046862.D
 Acq On : 02 Jul 2025 13:18
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:31:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	399111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	642908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	576289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	296482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104091	19.742	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	39.480%#		
35) Dibromofluoromethane	5.391	113	88863	20.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.720%#		
50) Toluene-d8	8.647	98	313624	20.369	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	40.740%#		
62) 4-Bromofluorobenzene	11.079	95	120554	20.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	41.200%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.184	85	81688	21.402	ug/l	99
3) Chloromethane	1.306	50	86312	20.697	ug/l	97
4) Vinyl Chloride	1.386	62	94339	20.773	ug/l	100
5) Bromomethane	1.629	94	64159	21.988	ug/l	97
6) Chloroethane	1.703	64	61209	20.412	ug/l	100
7) Trichlorofluoromethane	1.904	101	147045	20.941	ug/l	98
8) Diethyl Ether	2.142	74	50485	20.203	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	93041	20.794	ug/l	98
10) Methyl Iodide	2.465	142	92753	19.028	ug/l	100
11) Tert butyl alcohol	2.952	59	33170	95.921	ug/l	99
12) 1,1-Dichloroethene	2.337	96	87106	20.127	ug/l	99
13) Acrolein	2.245	56	34095	91.049	ug/l	97
14) Allyl chloride	2.678	41	153719	19.950	ug/l	99
15) Acrylonitrile	3.068	53	198794	99.028	ug/l	99
16) Acetone	2.379	43	155869	95.170	ug/l	98
17) Carbon Disulfide	2.526	76	224317	19.764	ug/l	98
18) Methyl Acetate	2.709	43	89471	20.726	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	245776	20.110	ug/l	100
20) Methylene Chloride	2.800	84	99547	20.555	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	91856	20.742	ug/l	94
22) Diisopropyl ether	3.763	45	314003	21.094	ug/l	94
23) Vinyl Acetate	3.727	43	1136064	101.868	ug/l	100
24) 1,1-Dichloroethane	3.617	63	171529	20.204	ug/l	100
25) 2-Butanone	4.556	43	219759	100.571	ug/l	99
26) 2,2-Dichloropropane	4.483	77	124894	19.767	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	109844	20.316	ug/l	99
28) Bromochloromethane	4.903	49	83733	19.985	ug/l	97
29) Tetrahydrofuran	5.001	42	138587	99.493	ug/l	99
30) Chloroform	5.098	83	177543	20.470	ug/l	97
31) Cyclohexane	5.470	56	155952	20.692	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	144962	20.005	ug/l	98
36) 1,1-Dichloropropene	5.702	75	118611	20.144	ug/l	97
37) Ethyl Acetate	4.720	43	95352	19.013	ug/l	99
38) Carbon Tetrachloride	5.684	117	127307	20.188	ug/l	97
39) Methylcyclohexane	7.378	83	151595	20.582	ug/l	96
40) Benzene	6.043	78	373429	20.968	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046862.D
 Acq On : 02 Jul 2025 13:18
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:31:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	57138	21.358	ug/l	95
42) 1,2-Dichloroethane	6.086	62	125114	20.689	ug/l	99
43) Isopropyl Acetate	6.336	43	157613	20.519	ug/l	100
44) Trichloroethene	7.128	130	93746	20.221	ug/l	100
45) 1,2-Dichloropropane	7.427	63	93205	20.714	ug/l	99
46) Dibromomethane	7.580	93	64260	20.612	ug/l	100
47) Bromodichloromethane	7.817	83	137600	20.670	ug/l	98
48) Methyl methacrylate	7.695	41	78897	19.892	ug/l	97
49) 1,4-Dioxane	7.659	88	18907	411.405	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	473773	104.508	ug/l	99
52) Toluene	8.714	92	232882	21.102	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	120040	20.206	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	136889	20.187	ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	84451	20.545	ug/l	97
56) Ethyl methacrylate	9.116	69	114929	20.200	ug/l	99
57) 1,3-Dichloropropane	9.305	76	147193	20.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	331143	103.298	ug/l	100
59) 2-Hexanone	9.427	43	314535	104.602	ug/l	99
60) Dibromochloromethane	9.518	129	100960	20.523	ug/l	100
61) 1,2-Dibromoethane	9.610	107	85342	20.672	ug/l	100
64) Tetrachloroethene	9.268	164	79577	20.740	ug/l	96
65) Chlorobenzene	10.073	112	256491	20.586	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	86804	20.724	ug/l	99
67) Ethyl Benzene	10.189	91	444690	20.841	ug/l	99
68) m/p-Xylenes	10.299	106	337082	41.924	ug/l	98
69) o-Xylene	10.640	106	162094	20.870	ug/l	99
70) Styrene	10.652	104	283121	21.307	ug/l	100
71) Bromoform	10.799	173	62957	20.215	ug/l #	98
73) Isopropylbenzene	10.957	105	428283	20.549	ug/l	100
74) N-amyl acetate	10.841	43	141581	19.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	116329	20.298	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	91349m	19.941	ug/l	
77) Bromobenzene	11.195	156	103902	20.014	ug/l	96
78) n-propylbenzene	11.298	91	517332	20.585	ug/l	100
79) 2-Chlorotoluene	11.359	91	307886	20.748	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	357455	21.108	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31721	18.582	ug/l	94
82) 4-Chlorotoluene	11.451	91	353678	20.654	ug/l	99
83) tert-Butylbenzene	11.713	119	360024	20.583	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	357753	20.900	ug/l	95
85) sec-Butylbenzene	11.890	105	456837	20.715	ug/l	100
86) p-Isopropyltoluene	12.006	119	377192	20.425	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	198351	20.429	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	202881	20.078	ug/l	99
89) n-Butylbenzene	12.329	91	360061	20.750	ug/l	99
90) Hexachloroethane	12.536	117	63705	19.459	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	192682	20.479	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	19455	19.409	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	127830	19.999	ug/l	99
94) Hexachlorobutadiene	13.725	225	49928	20.713	ug/l	99
95) Naphthalene	13.774	128	343123	20.372	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	122506	20.284	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046862.D
Acq On : 02 Jul 2025 13:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:31:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

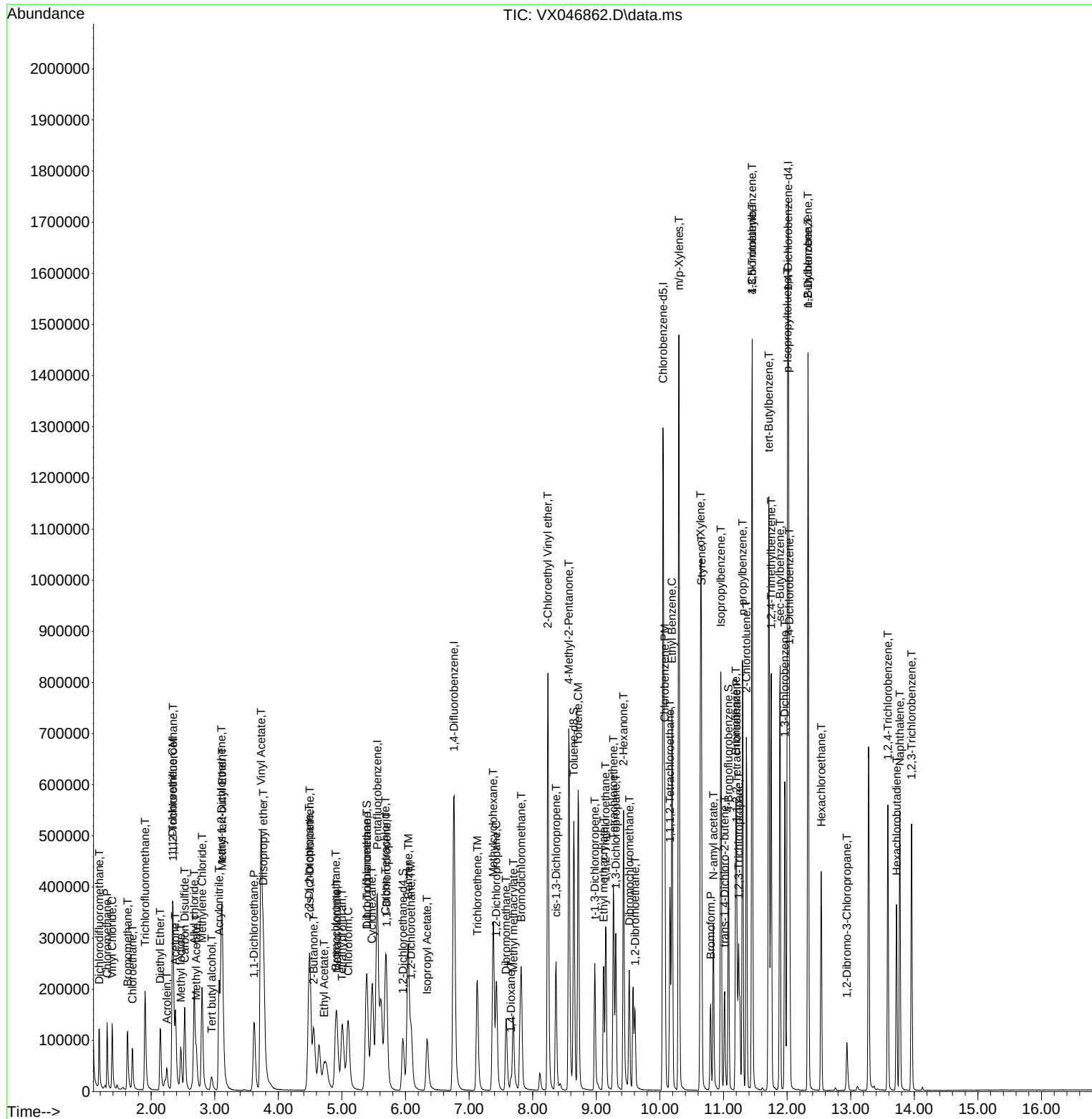
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046863.D
 Acq On : 02 Jul 2025 13:39
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:32:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	368182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	601240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	539902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	266829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	238206	48.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.940%		
35) Dibromofluoromethane	5.397	113	203814	49.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.880%		
50) Toluene-d8	8.647	98	718232	49.879	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.760%		
62) 4-Bromofluorobenzene	11.079	95	273366	49.952	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	179160	50.881	ug/l	100
3) Chloromethane	1.307	50	186908	48.585	ug/l	100
4) Vinyl Chloride	1.386	62	202462	48.327	ug/l	100
5) Bromomethane	1.624	94	132366	49.174	ug/l	100
6) Chloroethane	1.703	64	127577	46.118	ug/l	100
7) Trichlorofluoromethane	1.904	101	315495	48.704	ug/l	100
8) Diethyl Ether	2.148	74	112089	48.624	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	201760	48.880	ug/l	100
10) Methyl Iodide	2.471	142	232179	51.631	ug/l	100
11) Tert butyl alcohol	2.953	59	77545	243.081	ug/l	100
12) 1,1-Dichloroethene	2.337	96	193069	48.359	ug/l	100
13) Acrolein	2.246	56	84088	238.671	ug/l	100
14) Allyl chloride	2.678	41	347253	48.854	ug/l	100
15) Acrylonitrile	3.075	53	453047	244.641	ug/l	100
16) Acetone	2.386	43	355803	235.495	ug/l	100
17) Carbon Disulfide	2.532	76	494153	47.196	ug/l	100
18) Methyl Acetate	2.715	43	203643	51.137	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	562569	49.898	ug/l	100
20) Methylene Chloride	2.800	84	215411	48.215	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	199150	48.748	ug/l	100
22) Diisopropyl ether	3.770	45	701332	51.071	ug/l	100
23) Vinyl Acetate	3.733	43	2620249	254.689	ug/l	100
24) 1,1-Dichloroethane	3.623	63	382510	48.841	ug/l	100
25) 2-Butanone	4.562	43	506469	251.252	ug/l	100
26) 2,2-Dichloropropane	4.489	77	280159	48.066	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	243080	48.734	ug/l	100
28) Bromochloromethane	4.910	49	194431	50.303	ug/l	100
29) Tetrahydrofuran	5.007	42	322800	251.209	ug/l	100
30) Chloroform	5.105	83	386035	48.247	ug/l	100
31) Cyclohexane	5.483	56	337894	48.598	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	326288	48.811	ug/l	100
36) 1,1-Dichloropropene	5.702	75	264243	47.988	ug/l	100
37) Ethyl Acetate	4.721	43	216259	46.111	ug/l	100
38) Carbon Tetrachloride	5.690	117	286310	48.549	ug/l	100
39) Methylcyclohexane	7.385	83	341159	49.529	ug/l	100
40) Benzene	6.050	78	815341	48.954	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046863.D
 Acq On : 02 Jul 2025 13:39
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:32:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	127915	51.128	ug/l	100
42) 1,2-Dichloroethane	6.092	62	276628	48.913	ug/l	100
43) Isopropyl Acetate	6.342	43	371859	51.765	ug/l	100
44) Trichloroethene	7.129	130	206841	47.708	ug/l	100
45) 1,2-Dichloropropane	7.434	63	207864	49.398	ug/l	100
46) Dibromomethane	7.586	93	144114	49.430	ug/l	100
47) Bromodichloromethane	7.824	83	306696	49.265	ug/l	100
48) Methyl methacrylate	7.696	41	193493	52.165	ug/l	100
49) 1,4-Dioxane	7.659	88	43664	1015.947	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	1101634	259.847	ug/l	100
52) Toluene	8.720	92	505397	48.969	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	284038	51.124	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	320678	50.567	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	191073	49.704	ug/l	100
56) Ethyl methacrylate	9.116	69	276170	51.905	ug/l	100
57) 1,3-Dichloropropane	9.305	76	325345	49.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	802354	267.636	ug/l	100
59) 2-Hexanone	9.427	43	742855	264.164	ug/l	100
60) Dibromochloromethane	9.519	129	226427	49.218	ug/l	100
61) 1,2-Dibromoethane	9.610	107	192320	49.814	ug/l	100
64) Tetrachloroethene	9.275	164	170176	47.341	ug/l	100
65) Chlorobenzene	10.079	112	566582	48.538	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	193638	49.347	ug/l	100
67) Ethyl Benzene	10.189	91	987806	49.415	ug/l	100
68) m/p-Xylenes	10.299	106	743275	98.674	ug/l	100
69) o-Xylene	10.640	106	358798	49.311	ug/l	100
70) Styrene	10.653	104	634597	50.976	ug/l	100
71) Bromoform	10.799	173	145282	49.794	ug/l #	100
73) Isopropylbenzene	10.957	105	960979	51.232	ug/l	100
74) N-amyl acetate	10.842	43	338897	53.169	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	256928	49.814	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	210006m	50.937	ug/l	
77) Bromobenzene	11.195	156	233851	50.052	ug/l	100
78) n-propylbenzene	11.299	91	1145518	50.647	ug/l	100
79) 2-Chlorotoluene	11.360	91	662335	49.595	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	780315	51.198	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	77831	50.659	ug/l	100
82) 4-Chlorotoluene	11.451	91	777681	50.461	ug/l	100
83) tert-Butylbenzene	11.713	119	805925	51.197	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	786934	51.082	ug/l	100
85) sec-Butylbenzene	11.884	105	1009027	50.840	ug/l	100
86) p-Isopropyltoluene	12.006	119	843813	50.770	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	434168	49.687	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	435439	47.882	ug/l	100
89) n-Butylbenzene	12.329	91	797119	51.042	ug/l	100
90) Hexachloroethane	12.536	117	147768	50.152	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	418287	49.398	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45584	50.530	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	290148	50.438	ug/l	100
94) Hexachlorobutadiene	13.719	225	109236	50.352	ug/l	100
95) Naphthalene	13.774	128	809540	53.405	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	278713	51.278	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046863.D
Acq On : 02 Jul 2025 13:39
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:32:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

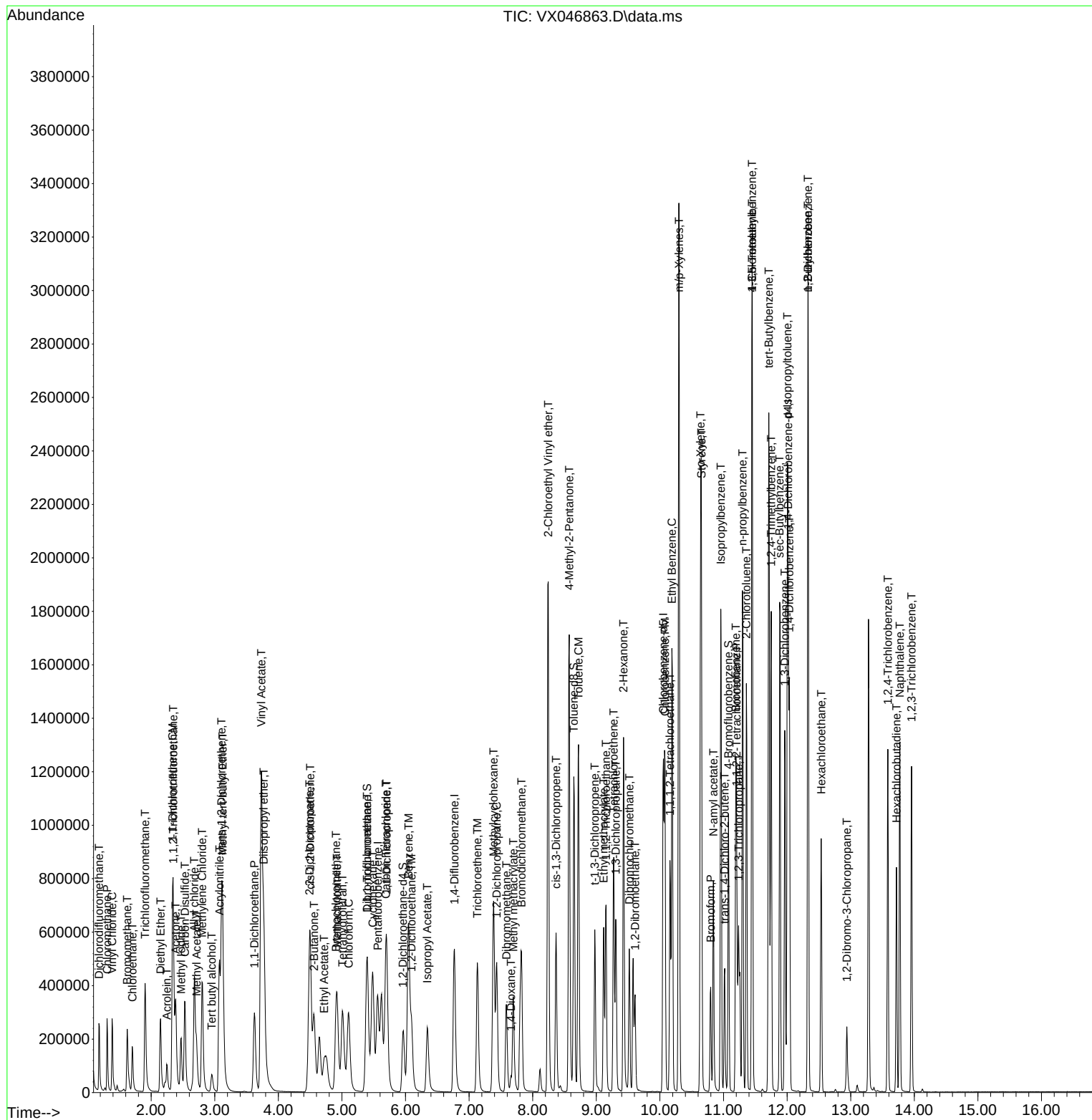
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\  
Data File : VX046863.D  
Acq On    : 02 Jul 2025   13:39  
Operator  : JC/MD  
Sample    : VSTDICCC050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:32:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046864.D
 Acq On : 02 Jul 2025 14:10
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	360099	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	591959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	521464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	253960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	461552	97.021	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 194.040%#			
35) Dibromofluoromethane	5.385	113	393465	97.920	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 195.840%#			
50) Toluene-d8	8.647	98	1373545	96.884	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 193.760%#			
62) 4-Bromofluorobenzene	11.079	95	513224	95.251	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 190.500%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	361969	105.107	ug/l	99
3) Chloromethane	1.307	50	391364	104.014	ug/l	98
4) Vinyl Chloride	1.386	62	424193	103.527	ug/l	100
5) Bromomethane	1.618	94	265849	100.979	ug/l	100
6) Chloroethane	1.697	64	260651	96.337	ug/l	99
7) Trichlorofluoromethane	1.904	101	643202	101.523	ug/l	98
8) Diethyl Ether	2.142	74	228526	101.358	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	412204	102.105	ug/l	99
10) Methyl Iodide	2.465	142	490208	111.457	ug/l	99
11) Tert butyl alcohol	2.953	59	156192	500.607	ug/l	99
12) 1,1-Dichloroethene	2.331	96	393053	100.660	ug/l	97
13) Acrolein	2.245	56	173378	500.012	ug/l	100
14) Allyl chloride	2.672	41	711428	102.334	ug/l	99
15) Acrylonitrile	3.068	53	898537	496.093	ug/l	100
16) Acetone	2.380	43	707647	478.882	ug/l	98
17) Carbon Disulfide	2.526	76	1006664	98.304	ug/l	99
18) Methyl Acetate	2.709	43	410853	105.486	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	1142805	103.638	ug/l	98
20) Methylene Chloride	2.800	84	428892	98.153	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	396705	99.285	ug/l	97
22) Diisopropyl ether	3.764	45	1387980	103.342	ug/l	97
23) Vinyl Acetate	3.727	43	5276627	524.403	ug/l	100
24) 1,1-Dichloroethane	3.617	63	759957	99.213	ug/l	100
25) 2-Butanone	4.550	43	992659	503.497	ug/l	99
26) 2,2-Dichloropropane	4.483	77	577382	101.283	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	482620	98.931	ug/l	100
28) Bromochloromethane	4.904	49	371458	98.260	ug/l	100
29) Tetrahydrofuran	5.001	42	640795	509.872	ug/l	99
30) Chloroform	5.099	83	757773	96.834	ug/l	100
31) Cyclohexane	5.477	56	667229	98.120	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	649123	99.286	ug/l	99
36) 1,1-Dichloropropene	5.696	75	514002	94.809	ug/l	99
37) Ethyl Acetate	4.715	43	420101	90.979	ug/l	98
38) Carbon Tetrachloride	5.684	117	567706	97.774	ug/l	98
39) Methylcyclohexane	7.379	83	683852	100.837	ug/l	99
40) Benzene	6.044	78	1589318	96.921	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046864.D
 Acq On : 02 Jul 2025 14:10
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	261090	105.996	ug/l	99
42) 1,2-Dichloroethane	6.086	62	536004	96.261	ug/l	100
43) Isopropyl Acetate	6.336	43	746174	105.501	ug/l	100
44) Trichloroethene	7.123	130	411222	96.336	ug/l	98
45) 1,2-Dichloropropane	7.427	63	408244	98.538	ug/l	100
46) Dibromomethane	7.580	93	279372	97.324	ug/l	99
47) Bromodichloromethane	7.818	83	601292	98.101	ug/l	98
48) Methyl methacrylate	7.690	41	389200	106.573	ug/l	100
49) 1,4-Dioxane	7.659	88	82890	1958.872	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	2089507	500.587	ug/l	99
52) Toluene	8.714	92	984220	96.858	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	580117	106.052	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	650539	104.190	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	367441	97.082	ug/l	98
56) Ethyl methacrylate	9.116	69	554620	105.873	ug/l	99
57) 1,3-Dichloropropane	9.305	76	625220	95.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	1541497	522.248	ug/l	100
59) 2-Hexanone	9.427	43	1406681	508.068	ug/l	100
60) Dibromochloromethane	9.519	129	445393	98.331	ug/l	99
61) 1,2-Dibromoethane	9.604	107	375661	98.827	ug/l	99
64) Tetrachloroethene	9.269	164	333229	95.978	ug/l	95
65) Chlorobenzene	10.073	112	1095855	97.200	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	381396	100.632	ug/l	99
67) Ethyl Benzene	10.189	91	1925349	99.720	ug/l	99
68) m/p-Xylenes	10.299	106	1424898	195.851	ug/l	99
69) o-Xylene	10.640	106	691874	98.448	ug/l	99
70) Styrene	10.653	104	1206962	100.381	ug/l	99
71) Bromoform	10.799	173	286378	101.623	ug/l	100
73) Isopropylbenzene	10.957	105	1824241	102.183	ug/l	100
74) N-amyl acetate	10.842	43	661864	109.100	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	477117	97.192	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	401735m	102.378	ug/l	
77) Bromobenzene	11.195	156	441962	99.388	ug/l	98
78) n-propylbenzene	11.299	91	2169188	100.767	ug/l	99
79) 2-Chlorotoluene	11.360	91	1268825	99.822	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	1497082	103.204	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	158326	108.273	ug/l	98
82) 4-Chlorotoluene	11.451	91	1472712	100.402	ug/l	100
83) tert-Butylbenzene	11.713	119	1539450	102.751	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	1488102	101.492	ug/l	97
85) sec-Butylbenzene	11.890	105	1912633	101.251	ug/l	99
86) p-Isopropyltoluene	12.006	119	1605082	101.466	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	825505	99.260	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	823926	95.192	ug/l	100
89) n-Butylbenzene	12.329	91	1515258	101.944	ug/l	100
90) Hexachloroethane	12.536	117	294961	105.182	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	792536	98.339	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	90270	105.136	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	569410	104.000	ug/l	100
94) Hexachlorobutadiene	13.725	225	207095	100.298	ug/l	99
95) Naphthalene	13.774	128	1572381	108.986	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	543127	104.988	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046864.D
Acq On : 02 Jul 2025 14:10
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

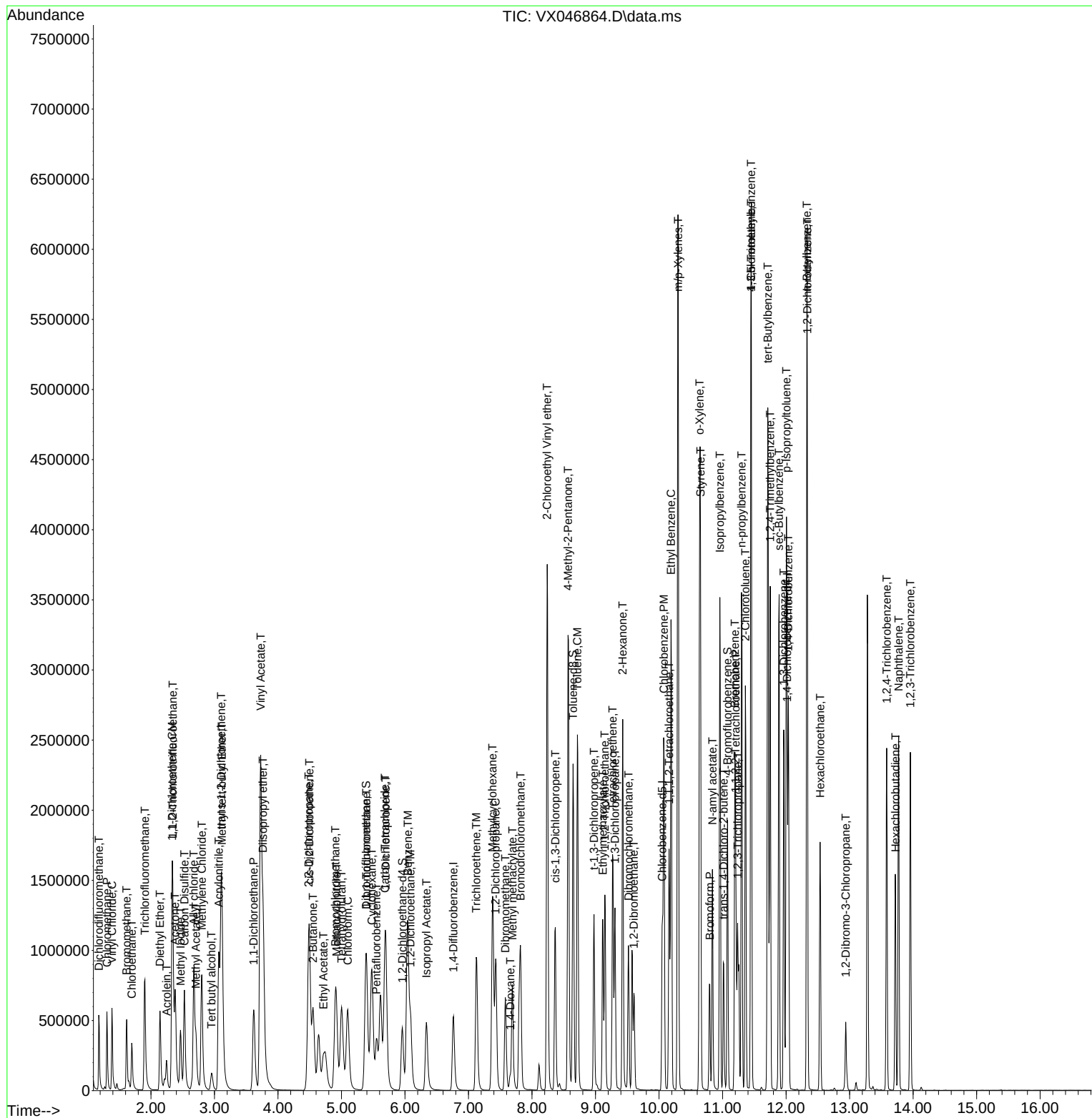
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Data File : VX046864.D
Acq On : 02 Jul 2025 14:10
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046865.D
 Acq On : 02 Jul 2025 14:31
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:34:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	337940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	564585	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	498758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240348	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	649303	145.436	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 290.880%#	
35) Dibromofluoromethane	5.391	113	550160	143.554	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 287.100%#	
50) Toluene-d8	8.653	98	1923179	142.230	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 284.460%#	
62) 4-Bromofluorobenzene	11.079	95	721016	140.303	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 280.600%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.179	85	497096	153.809	ug/l	99
3) Chloromethane	1.307	50	537388	152.188	ug/l	98
4) Vinyl Chloride	1.386	62	574277	149.346	ug/l	99
5) Bromomethane	1.611	94	298828	120.949	ug/l	100
6) Chloroethane	1.697	64	358739	141.285	ug/l	99
7) Trichlorofluoromethane	1.904	101	897728	150.988	ug/l	99
8) Diethyl Ether	2.148	74	321838	152.105	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	569627	150.352	ug/l	99
10) Methyl Iodide	2.465	142	705949	171.034	ug/l	98
11) Tert butyl alcohol	2.965	59	229819	784.885	ug/l	99
12) 1,1-Dichloroethene	2.337	96	547474	149.400	ug/l	97
13) Acrolein	2.245	56	245973	754.434	ug/l	98
14) Allyl chloride	2.678	41	996540	152.745	ug/l	99
15) Acrylonitrile	3.075	53	1288046	757.776	ug/l	99
16) Acetone	2.386	43	1013283	730.677	ug/l	99
17) Carbon Disulfide	2.526	76	1394541	145.111	ug/l	99
18) Methyl Acetate	2.709	43	607185	166.116	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1637759	158.264	ug/l	98
20) Methylene Chloride	2.800	84	596413	145.441	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	552703	147.398	ug/l	97
22) Diisopropyl ether	3.770	45	1919430	152.282	ug/l	99
23) Vinyl Acetate	3.733	43	7476523	791.755	ug/l	100
24) 1,1-Dichloroethane	3.623	63	1064068	148.024	ug/l	100
25) 2-Butanone	4.562	43	1449681	783.522	ug/l	100
26) 2,2-Dichloropropane	4.489	77	837466	156.539	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	674986	147.435	ug/l	100
28) Bromochloromethane	4.910	49	515523	145.311	ug/l	99
29) Tetrahydrofuran	5.007	42	928390	787.145	ug/l	100
30) Chloroform	5.105	83	1064448	144.942	ug/l	100
31) Cyclohexane	5.483	56	939695	147.249	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	922378	150.332	ug/l	98
36) 1,1-Dichloropropene	5.702	75	739394	142.995	ug/l	99
37) Ethyl Acetate	4.721	43	631521	143.396	ug/l	98
38) Carbon Tetrachloride	5.684	117	809906	146.250	ug/l	98
39) Methylcyclohexane	7.385	83	974901	150.724	ug/l	99
40) Benzene	6.043	78	2243029	143.418	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046865.D
 Acq On : 02 Jul 2025 14:31
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:34:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	375761	159.945	ug/l	99
42) 1,2-Dichloroethane	6.092	62	756183	142.387	ug/l	100
43) Isopropyl Acetate	6.342	43	1104335	163.711	ug/l	100
44) Trichloroethene	7.129	130	583397	143.298	ug/l	97
45) 1,2-Dichloropropane	7.433	63	579224	146.587	ug/l	99
46) Dibromomethane	7.586	93	401338	146.592	ug/l	99
47) Bromodichloromethane	7.824	83	858188	146.803	ug/l	99
48) Methyl methacrylate	7.696	41	580607	166.693	ug/l	99
49) 1,4-Dioxane	7.665	88	122695	3040.136	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	3026947	760.332	ug/l	98
52) Toluene	8.720	92	1394797	143.918	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	853017	163.503	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	939003	157.682	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	521889	144.574	ug/l	98
56) Ethyl methacrylate	9.116	69	816206	163.362	ug/l	100
57) 1,3-Dichloropropane	9.305	76	893213	143.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	2192288	778.743	ug/l	100
59) 2-Hexanone	9.427	43	2051712	776.972	ug/l	100
60) Dibromochloromethane	9.518	129	637739	147.623	ug/l	99
61) 1,2-Dibromoethane	9.610	107	536592	148.009	ug/l	100
64) Tetrachloroethene	9.275	164	475745	143.265	ug/l	96
65) Chlorobenzene	10.079	112	1563433	144.986	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	548552	151.325	ug/l	100
67) Ethyl Benzene	10.195	91	2729559	147.809	ug/l	98
68) m/p-Xylenes	10.299	106	2009645	288.799	ug/l	99
69) o-Xylene	10.640	106	987134	146.856	ug/l	99
70) Styrene	10.652	104	1697064	147.567	ug/l	98
71) Bromoform	10.799	173	411264	152.584	ug/l	97
73) Isopropylbenzene	10.963	105	2588441	153.200	ug/l	100
74) N-amyl acetate	10.841	43	986018	171.738	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	698105	150.263	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	567147m	152.717	ug/l	
77) Bromobenzene	11.195	156	628974	149.454	ug/l	99
78) n-propylbenzene	11.305	91	3052066	149.810	ug/l	99
79) 2-Chlorotoluene	11.360	91	1784161	148.315	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	2088013	152.092	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	239775	173.259	ug/l	95
82) 4-Chlorotoluene	11.451	91	2061746	148.519	ug/l	99
83) tert-Butylbenzene	11.713	119	2164507	152.653	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	2118023	152.635	ug/l	97
85) sec-Butylbenzene	11.890	105	2681731	150.005	ug/l	99
86) p-Isopropyltoluene	12.006	119	2218491	148.186	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	1167669	148.354	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	1176579	143.634	ug/l	99
89) n-Butylbenzene	12.329	91	2101194	149.371	ug/l	99
90) Hexachloroethane	12.536	117	424369	159.899	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	1117598	146.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	138617	170.588	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	825907	159.391	ug/l	99
94) Hexachlorobutadiene	13.725	225	296507	151.734	ug/l	99
95) Naphthalene	13.774	128	2359854	172.832	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	792593	161.887	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046865.D
Acq On : 02 Jul 2025 14:31
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/03/2025
Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:34:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

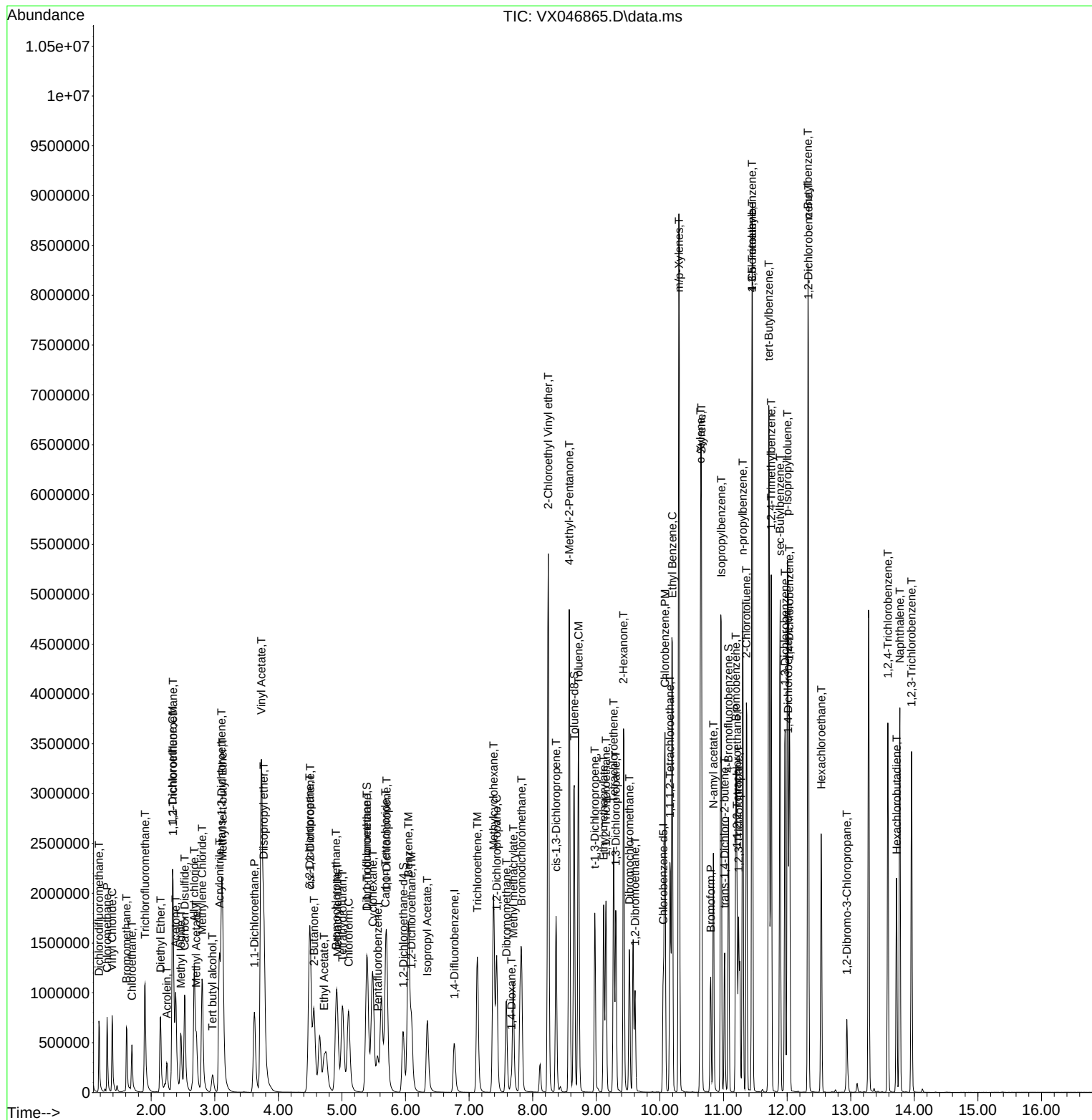
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046865.D
Acq On : 02 Jul 2025 14:31
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:34:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	376229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	610660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	549326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	275295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	242648	48.819	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.640%		
35) Dibromofluoromethane	5.397	113	208822	50.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.760%		
50) Toluene-d8	8.647	98	731941	50.047	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.100%		
62) 4-Bromofluorobenzene	11.079	95	282463	50.818	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	178684	49.661	ug/l	98
3) Chloromethane	1.307	50	192497	48.967	ug/l	100
4) Vinyl Chloride	1.386	62	208626	48.733	ug/l	99
5) Bromomethane	1.624	94	141065	51.285	ug/l	97
6) Chloroethane	1.703	64	132155	46.751	ug/l	100
7) Trichlorofluoromethane	1.904	101	326501	49.325	ug/l	98
8) Diethyl Ether	2.148	74	117004	49.670	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	208780	49.499	ug/l	100
10) Methyl Iodide	2.471	142	229855	50.021	ug/l	97
11) Tert butyl alcohol	2.953	59	86884	266.531	ug/l	100
12) 1,1-Dichloroethene	2.337	96	197950	48.521	ug/l	99
13) Acrolein	2.252	56	87230	242.250	ug/l	98
14) Allyl chloride	2.678	41	359895	49.549	ug/l	99
15) Acrylonitrile	3.075	53	482124	255.809	ug/l	99
16) Acetone	2.386	43	376127	243.622	ug/l	97
17) Carbon Disulfide	2.532	76	501161	46.842	ug/l	100
18) Methyl Acetate	2.715	43	217113	53.354	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	601377	52.199	ug/l	99
20) Methylene Chloride	2.800	84	224143	49.097	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	205950	49.334	ug/l	99
22) Diisopropyl ether	3.770	45	723627	51.568	ug/l	97
23) Vinyl Acetate	3.733	43	2777219	264.173	ug/l	99
24) 1,1-Dichloroethane	3.623	63	395739	49.449	ug/l	99
25) 2-Butanone	4.562	43	538755	261.552	ug/l	98
26) 2,2-Dichloropropane	4.489	77	293933	49.351	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	247860	48.630	ug/l	99
28) Bromochloromethane	4.910	49	198401	50.232	ug/l	98
29) Tetrahydrofuran	5.013	42	350947	267.272	ug/l	99
30) Chloroform	5.105	83	395292	48.348	ug/l	100
31) Cyclohexane	5.483	56	350463	49.328	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	335397	49.101	ug/l	99
36) 1,1-Dichloropropene	5.702	75	275506	49.261	ug/l	100
37) Ethyl Acetate	4.721	43	229364	48.151	ug/l	100
38) Carbon Tetrachloride	5.690	117	291659	49.327	ug/l	99
39) Methylcyclohexane	7.385	83	355028	50.747	ug/l	98
40) Benzene	6.050	78	835235	49.375	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	137841	54.246	ug/l	98
42) 1,2-Dichloroethane	6.092	62	282094	49.110	ug/l	100
43) Isopropyl Acetate	6.342	43	390969	53.586	ug/l	99
44) Trichloroethene	7.129	130	212780	48.321	ug/l	100
45) 1,2-Dichloropropane	7.434	63	213351	49.920	ug/l	98
46) Dibromomethane	7.586	93	146563	49.494	ug/l	100
47) Bromodichloromethane	7.824	83	313088	49.516	ug/l	97
48) Methyl methacrylate	7.696	41	206773	54.886	ug/l	99
49) 1,4-Dioxane	7.659	88	47208	1081.463	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1163206	270.137	ug/l	100
52) Toluene	8.720	92	524414	50.028	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	298344	52.871	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	334998	52.010	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	194738	49.876	ug/l	98
56) Ethyl methacrylate	9.116	69	294579	54.511	ug/l	99
57) 1,3-Dichloropropane	9.305	76	334325	49.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	817519	268.488	ug/l	100
59) 2-Hexanone	9.427	43	792449	277.453	ug/l	100
60) Dibromochloromethane	9.519	129	234044	50.089	ug/l	99
61) 1,2-Dibromoethane	9.610	107	200842	51.219	ug/l	100
64) Tetrachloroethene	9.275	164	174726	47.773	ug/l	93
65) Chlorobenzene	10.080	112	584424	49.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	199525	49.975	ug/l	99
67) Ethyl Benzene	10.189	91	1013473	49.829	ug/l	99
68) m/p-Xylenes	10.299	106	760571	99.238	ug/l	100
69) o-Xylene	10.640	106	368751	49.809	ug/l	99
70) Styrene	10.653	104	644744	50.903	ug/l	100
71) Bromoform	10.799	173	147395	49.651	ug/l #	99
73) Isopropylbenzene	10.957	105	981991	50.742	ug/l	100
74) N-amyl acetate	10.842	43	359547	54.674	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	269327	50.612	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	218733m	51.422	ug/l	
77) Bromobenzene	11.195	156	237950	49.363	ug/l	99
78) n-propylbenzene	11.299	91	1172148	50.231	ug/l	100
79) 2-Chlorotoluene	11.360	91	678845	49.268	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	808534	51.418	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	82807	52.240	ug/l	99
82) 4-Chlorotoluene	11.451	91	802710	50.483	ug/l	100
83) tert-Butylbenzene	11.713	119	826920	50.916	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	801503	50.428	ug/l	100
85) sec-Butylbenzene	11.890	105	1032626	50.429	ug/l	100
86) p-Isopropyltoluene	12.006	119	867283	50.577	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	446776	49.558	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	448682	47.821	ug/l	99
89) n-Butylbenzene	12.329	91	817746	50.753	ug/l	99
90) Hexachloroethane	12.536	117	151888	49.965	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	424172	48.553	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	48557	52.171	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	301081	50.729	ug/l	99
94) Hexachlorobutadiene	13.719	225	117882	52.667	ug/l	99
95) Naphthalene	13.774	128	844747	54.014	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	285334	50.881	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

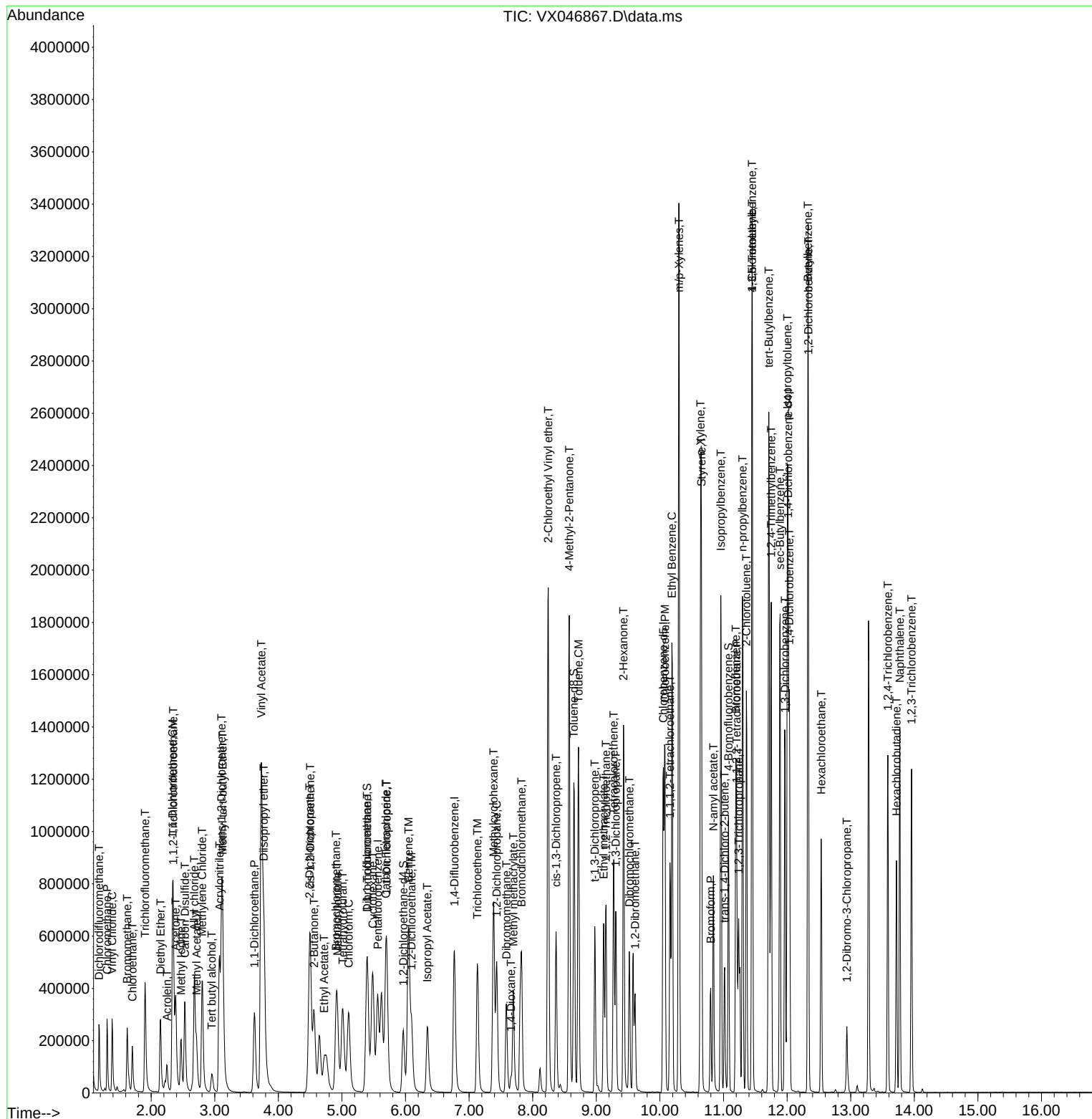
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
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Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
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 Acq On : 02 Jul 2025 15:14
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Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	102	0.00
2 T	Dichlorodifluoromethane	0.478	0.475	0.6	100	0.00
3 P	Chloromethane	0.522	0.512	1.9	103	0.00
4 C	Vinyl Chloride	0.569	0.555	2.5#	103	0.00
5 T	Bromomethane	0.366	0.375	-2.5	107	0.00
6 T	Chloroethane	0.376	0.351	6.6	104	0.00
7 T	Trichlorofluoromethane	0.880	0.868	1.4	103	0.00
8 T	Diethyl Ether	0.313	0.311	0.6	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.561	0.555	1.1	103	0.00
10 T	Methyl Iodide	0.611	0.611	0.0	99	0.00
11 T	Tert butyl alcohol	0.043	0.046	-7.0	112	0.00
12 CM	1,1-Dichloroethene	0.542	0.526	3.0#	103	0.00
13 T	Acrolein	0.052	0.046	11.5	104	0.00
14 T	Allyl chloride	0.965	0.957	0.8	104	0.00
15 T	Acrylonitrile	0.250	0.256	-2.4	106	0.00
16 T	Acetone	0.205	0.200	2.4	106	0.00
17 T	Carbon Disulfide	1.422	1.332	6.3	101	0.00
18 T	Methyl Acetate	0.541	0.577	-6.7	107	0.00
19 T	Methyl tert-butyl Ether	1.531	1.598	-4.4	107	0.00
20 T	Methylene Chloride	0.607	0.596	1.8	104	0.00
21 T	trans-1,2-Dichloroethene	0.555	0.547	1.4	103	0.00
22 T	Diisopropyl ether	1.865	1.923	-3.1	103	0.00
23 T	Vinyl Acetate	1.397	1.476	-5.7	106	0.00
24 P	1,1-Dichloroethane	1.064	1.052	1.1	103	0.00
25 T	2-Butanone	0.274	0.286	-4.4	106	0.00
26 T	2,2-Dichloropropane	0.792	0.781	1.4	105	0.00
27 T	cis-1,2-Dichloroethene	0.677	0.659	2.7	102	0.00
28 T	Bromochloromethane	0.525	0.527	-0.4	102	0.00
29 T	Tetrahydrofuran	0.175	0.187	-6.9	109	0.00
30 C	Chloroform	1.087	1.051	3.3#	102	0.00
31 T	Cyclohexane	0.944	0.932	1.3	104	0.00
32 T	1,1,1-Trichloroethane	0.908	0.891	1.9	103	0.00
33 S	1,2-Dichloroethane-d4	0.661	0.645	2.4	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35 S	Dibromofluoromethane	0.339	0.342	-0.9	102	0.00
36 T	1,1-Dichloropropene	0.458	0.451	1.5	104	0.00
37 T	Ethyl Acetate	0.390	0.376	3.6	106	0.00
38 T	Carbon Tetrachloride	0.484	0.478	1.2	102	0.00
39 T	Methylcyclohexane	0.573	0.581	-1.4	104	0.00
40 TM	Benzene	1.385	1.368	1.2	102	0.00
41 T	Methacrylonitrile	0.208	0.226	-8.7	108	0.00
42 TM	1,2-Dichloroethane	0.470	0.462	1.7	102	0.00
43 T	Isopropyl Acetate	0.597	0.640	-7.2	105	0.00
44 TM	Trichloroethene	0.361	0.348	3.6	103	0.00
45 C	1,2-Dichloropropane	0.350	0.349	0.3#	103	0.00
46 T	Dibromomethane	0.242	0.240	0.8	102	0.00
47 T	Bromodichloromethane	0.518	0.513	1.0	102	0.00
48 T	Methyl methacrylate	0.308	0.339	-10.1	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.004	0.004	0.0	108	0.00
50 S	Toluene-d8	1.197	1.199	-0.2	102	0.00
51 T	4-Methyl-2-Pentanone	0.353	0.381	-7.9	106	0.00
52 CM	Toluene	0.858	0.859	-0.1#	104	0.00
53 T	t-1,3-Dichloropropene	0.462	0.489	-5.8	105	0.00
54 T	cis-1,3-Dichloropropene	0.527	0.549	-4.2	104	0.00
55 T	1,1,2-Trichloroethane	0.320	0.319	0.3	102	0.00
56 T	Ethyl methacrylate	0.442	0.482	-9.0	107	0.00
57 T	1,3-Dichloropropane	0.550	0.547	0.5	103	0.00
58 T	2-Chloroethyl Vinyl ether	0.249	0.268	-7.6	102	0.00
59 T	2-Hexanone	0.234	0.260	-11.1	107	0.00
60 T	Dibromochloromethane	0.383	0.383	0.0	103	0.00
61 T	1,2-Dibromoethane	0.321	0.329	-2.5	104	0.00
62 S	4-Bromofluorobenzene	0.455	0.463	-1.8	103	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64 T	Tetrachloroethene	0.333	0.318	4.5	103	0.00
65 PM	Chlorobenzene	1.081	1.064	1.6	103	0.00
66 T	1,1,1,2-Tetrachloroethane	0.363	0.363	0.0	103	0.00
67 C	Ethyl Benzene	1.851	1.845	0.3#	103	0.00
68 T	m/p-Xylenes	0.698	0.692	0.9	102	0.00
69 T	o-Xylene	0.674	0.671	0.4	103	0.00
70 T	Styrene	1.153	1.174	-1.8	102	0.00
71 P	Bromoform	0.270	0.268	0.7	101	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73 T	Isopropylbenzene	3.515	3.567	-1.5	102	0.00
74 T	N-amyl acetate	1.194	1.306	-9.4	106	0.00
75 P	1,1,2,2-Tetrachloroethane	0.966	0.978	-1.2	105	0.00
76 T	1,2,3-Trichloropropane	0.773	0.795	-2.8	104	0.00
77 T	Bromobenzene	0.875	0.864	1.3	102	0.00
78 T	n-propylbenzene	4.238	4.258	-0.5	102	0.00
79 T	2-Chlorotoluene	2.503	2.466	1.5	102	0.00
80 T	1,3,5-Trimethylbenzene	2.856	2.937	-2.8	104	0.00
81 T	trans-1,4-Dichloro-2-butene	0.288	0.301	-4.5	106	0.00
82 T	4-Chlorotoluene	2.888	2.916	-1.0	103	0.00
83 T	tert-Butylbenzene	2.950	3.004	-1.8	103	0.00
84 T	1,2,4-Trimethylbenzene	2.887	2.911	-0.8	102	0.00
85 T	sec-Butylbenzene	3.719	3.751	-0.9	102	0.00
86 T	p-Isopropyltoluene	3.114	3.150	-1.2	103	0.00
87 T	1,3-Dichlorobenzene	1.637	1.623	0.9	103	0.00
88 T	1,4-Dichlorobenzene	1.704	1.630	4.3	103	0.00
89 T	n-Butylbenzene	2.926	2.970	-1.5	103	0.00
90 T	Hexachloroethane	0.552	0.552	0.0	103	0.00
91 T	1,2-Dichlorobenzene	1.587	1.541	2.9	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.169	0.176	-4.1	107	0.00
93 T	1,2,4-Trichlorobenzene	1.078	1.094	-1.5	104	0.00
94 T	Hexachlorobutadiene	0.407	0.428	-5.2	108	0.00
95 T	Naphthalene	2.840	3.069	-8.1	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.019	1.036	-1.7	102	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	102	0.00
2 T	Dichlorodifluoromethane	50.000	49.661	0.7	100	0.00
3 P	Chloromethane	50.000	48.967	2.1	103	0.00
4 C	Vinyl Chloride	50.000	48.733	2.5#	103	0.00
5 T	Bromomethane	50.000	51.285	-2.6	107	0.00
6 T	Chloroethane	50.000	46.751	6.5	104	0.00
7 T	Trichlorofluoromethane	50.000	49.325	1.3	103	0.00
8 T	Diethyl Ether	50.000	49.670	0.7	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.499	1.0	103	0.00
10 T	Methyl Iodide	50.000	50.021	-0.0	99	0.00
11 T	Tert butyl alcohol	250.000	266.531	-6.6	112	0.00
12 CM	1,1-Dichloroethene	50.000	48.521	3.0#	103	0.00
13 T	Acrolein	250.000	242.250	3.1	104	0.00
14 T	Allyl chloride	50.000	49.549	0.9	104	0.00
15 T	Acrylonitrile	250.000	255.809	-2.3	106	0.00
16 T	Acetone	250.000	243.622	2.6	106	0.00
17 T	Carbon Disulfide	50.000	46.842	6.3	101	0.00
18 T	Methyl Acetate	50.000	53.354	-6.7	107	0.00
19 T	Methyl tert-butyl Ether	50.000	52.199	-4.4	107	0.00
20 T	Methylene Chloride	50.000	49.097	1.8	104	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.334	1.3	103	0.00
22 T	Diisopropyl ether	50.000	51.568	-3.1	103	0.00
23 T	Vinyl Acetate	250.000	264.173	-5.7	106	0.00
24 P	1,1-Dichloroethane	50.000	49.449	1.1	103	0.00
25 T	2-Butanone	250.000	261.552	-4.6	106	0.00
26 T	2,2-Dichloropropane	50.000	49.351	1.3	105	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.630	2.7	102	0.00
28 T	Bromochloromethane	50.000	50.232	-0.5	102	0.00
29 T	Tetrahydrofuran	250.000	267.272	-6.9	109	0.00
30 C	Chloroform	50.000	48.348	3.3#	102	0.00
31 T	Cyclohexane	50.000	49.328	1.3	104	0.00
32 T	1,1,1-Trichloroethane	50.000	49.101	1.8	103	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.819	2.4	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35 S	Dibromofluoromethane	50.000	50.377	-0.8	102	0.00
36 T	1,1-Dichloropropene	50.000	49.261	1.5	104	0.00
37 T	Ethyl Acetate	50.000	48.151	3.7	106	0.00
38 T	Carbon Tetrachloride	50.000	49.327	1.3	102	0.00
39 T	Methylcyclohexane	50.000	50.747	-1.5	104	0.00
40 TM	Benzene	50.000	49.375	1.3	102	0.00
41 T	Methacrylonitrile	50.000	54.246	-8.5	108	0.00
42 TM	1,2-Dichloroethane	50.000	49.110	1.8	102	0.00
43 T	Isopropyl Acetate	50.000	53.586	-7.2	105	0.00
44 TM	Trichloroethene	50.000	48.321	3.4	103	0.00
45 C	1,2-Dichloropropane	50.000	49.920	0.2#	103	0.00
46 T	Dibromomethane	50.000	49.494	1.0	102	0.00
47 T	Bromodichloromethane	50.000	49.516	1.0	102	0.00
48 T	Methyl methacrylate	50.000	54.886	-9.8	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1081.463	-8.1	108	0.00
50 S	Toluene-d8	50.000	50.047	-0.1	102	0.00
51 T	4-Methyl-2-Pentanone	250.000	270.137	-8.1	106	0.00
52 CM	Toluene	50.000	50.028	-0.1#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	52.871	-5.7	105	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.010	-4.0	104	0.00
55 T	1,1,2-Trichloroethane	50.000	49.876	0.2	102	0.00
56 T	Ethyl methacrylate	50.000	54.511	-9.0	107	0.00
57 T	1,3-Dichloropropane	50.000	49.728	0.5	103	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	268.488	-7.4	102	0.00
59 T	2-Hexanone	250.000	277.453	-11.0	107	0.00
60 T	Dibromochloromethane	50.000	50.089	-0.2	103	0.00
61 T	1,2-Dibromoethane	50.000	51.219	-2.4	104	0.00
62 S	4-Bromofluorobenzene	50.000	50.818	-1.6	103	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64 T	Tetrachloroethene	50.000	47.773	4.5	103	0.00
65 PM	Chlorobenzene	50.000	49.208	1.6	103	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.975	0.0	103	0.00
67 C	Ethyl Benzene	50.000	49.829	0.3#	103	0.00
68 T	m/p-Xylenes	100.000	99.238	0.8	102	0.00
69 T	o-Xylene	50.000	49.809	0.4	103	0.00
70 T	Styrene	50.000	50.903	-1.8	102	0.00
71 P	Bromoform	50.000	49.651	0.7	101	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73 T	Isopropylbenzene	50.000	50.742	-1.5	102	0.00
74 T	N-ethyl acetate	50.000	54.674	-9.3	106	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.612	-1.2	105	0.00
76 T	1,2,3-Trichloropropane	50.000	51.422	-2.8	104	0.00
77 T	Bromobenzene	50.000	49.363	1.3	102	0.00
78 T	n-propylbenzene	50.000	50.231	-0.5	102	0.00
79 T	2-Chlorotoluene	50.000	49.268	1.5	102	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.418	-2.8	104	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.240	-4.5	106	0.00
82 T	4-Chlorotoluene	50.000	50.483	-1.0	103	0.00
83 T	tert-Butylbenzene	50.000	50.916	-1.8	103	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.428	-0.9	102	0.00
85 T	sec-Butylbenzene	50.000	50.429	-0.9	102	0.00
86 T	p-Isopropyltoluene	50.000	50.577	-1.2	103	0.00
87 T	1,3-Dichlorobenzene	50.000	49.558	0.9	103	0.00
88 T	1,4-Dichlorobenzene	50.000	47.821	4.4	103	0.00
89 T	n-Butylbenzene	50.000	50.753	-1.5	103	0.00
90 T	Hexachloroethane	50.000	49.965	0.1	103	0.00
91 T	1,2-Dichlorobenzene	50.000	48.553	2.9	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.171	-4.3	107	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.729	-1.5	104	0.00
94 T	Hexachlorobutadiene	50.000	52.667	-5.3	108	0.00
95 T	Naphthalene	50.000	54.014	-8.0	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.881	-1.8	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>06/23/2025</u> <u>06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>13:38</u> <u>15:31</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:		RRF005 = VY022776.D		RRF010 = VY022777.D		RRF020 = VY022778.D			
		RRF050 = VY022779.D		RRF100 = VY022780.D		RRF150 = VY022781.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7	
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9	
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8	
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8	
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6	
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7	
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3	
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7	
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9	
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1	
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5	
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7	
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7	
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2	
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8	
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4	
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4	
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5	
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8	
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6	
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6	
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7	
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7	
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9	
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8	
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6	
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4	
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4	
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9	
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>06/23/2025</u> <u>06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>13:38</u> <u>15:31</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:		RRF005 = VY022776.D		RRF010 = VY022777.D		RRF020 = VY022778.D		
		RRF050 = VY022779.D		RRF100 = VY022780.D		RRF150 = VY022781.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y062325S.M
 Title : SW846 8260
 Last Update : Tue Jun 24 08:29:52 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY022776.D 10 =VY022777.D 20 =VY022778.D 50 =VY022779.D 100 =VY022780.D 150 =VY022781.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.74
3) P	Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.89
4) C	Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.78#
5) T	Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.77
6) T	Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.64
7) T	Trichlorofluor...	0.999	1.180	1.219	1.166	1.127	1.085	1.129	6.96
8) T	Diethyl Ether	0.260	0.289	0.287	0.285	0.281	0.271	0.279	3.93
9) T	1,1,2-Trichlor...	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.35
10) T	Methyl Iodide	0.451	0.542	0.567	0.626	0.611	0.575	0.562	11.12
11) T	Tert butyl alc...	0.034	0.037	0.038	0.038	0.039	0.036	0.037	4.97
12) CM	1,1-Dichloroet...	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.68#
13) T	Acrolein	0.052	0.051	0.053	0.049	0.049	0.047	0.050	4.22
14) T	Allyl chloride	0.687	0.803	0.805	0.797	0.790	0.789	0.778	5.80
15) T	Acrylonitrile	0.105	0.116	0.120	0.121	0.122	0.116	0.116	5.45
16) T	Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.91
17) T	Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.06
18) T	Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.66
19) T	Methyl tert-bu...	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.50
20) T	Methylene Chlo...	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.74
21) T	trans-1,2-Dich...	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.19
22) T	Diisopropyl ether	1.460	1.762	1.779	1.789	1.804	1.778	1.729	7.65
23) T	Vinyl Acetate	0.830	0.942	0.920	1.010	1.024	1.003	0.955	7.72
24) P	1,1-Dichloroet...	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.83
25) T	2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.37
26) T	2,2-Dichloropr...	0.801	0.930	0.927	0.884	0.863	0.847	0.875	5.65
27) T	cis-1,2-Dichlo...	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.84
28) T	Bromochloromet...	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.59
29) T	Tetrahydrofuran	0.087	0.095	0.098	0.102	0.103	0.097	0.097	6.02
30) C	Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.60#
31) T	Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.41
32) T	1,1,1-Trichlor...	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.68
33) S	1,2-Dichloroet...	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.77
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.31
36) T	1,1-Dichloropr...	0.420	0.473	0.472	0.469	0.468	0.465	0.461	4.42
37) T	Ethyl Acetate	0.181	0.198	0.198	0.206	0.210	0.200	0.199	5.09
38) T	Carbon Tetrach...	0.439	0.498	0.507	0.491	0.492	0.491	0.486	4.98
39) T	Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.65
40) TM	Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.92
41) T	Methacrylonitrile	0.118	0.137	0.129	0.120	0.108	0.123	0.122	8.16
42) TM	1,2-Dichloroet...	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.79
43) T	Isopropyl Acetate	0.348	0.408	0.424	0.436	0.442	0.424	0.413	8.29
44) TM	Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.60
45) C	1,2-Dichloropr...	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.35#
46) T	Dibromomethane	0.169	0.193	0.192	0.191	0.194	0.190	0.188	4.94
47) T	Bromodichlorom...	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.40
48) T	Methyl methacr...	0.151	0.193	0.208	0.214	0.219	0.207	0.199	12.57
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	8.51
50) S	Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.57
51) T	4-Methyl-2-Pen...	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.86
52) CM	Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.76#
53) T	t-1,3-Dichloro...	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10.03
54) T	cis-1,3-Dichlo...	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.55
55) T	1,1,2-Trichlor...	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.40
56) T	Ethyl methacry...	0.258	0.296	0.315	0.354	0.372	0.374	0.328	14.17

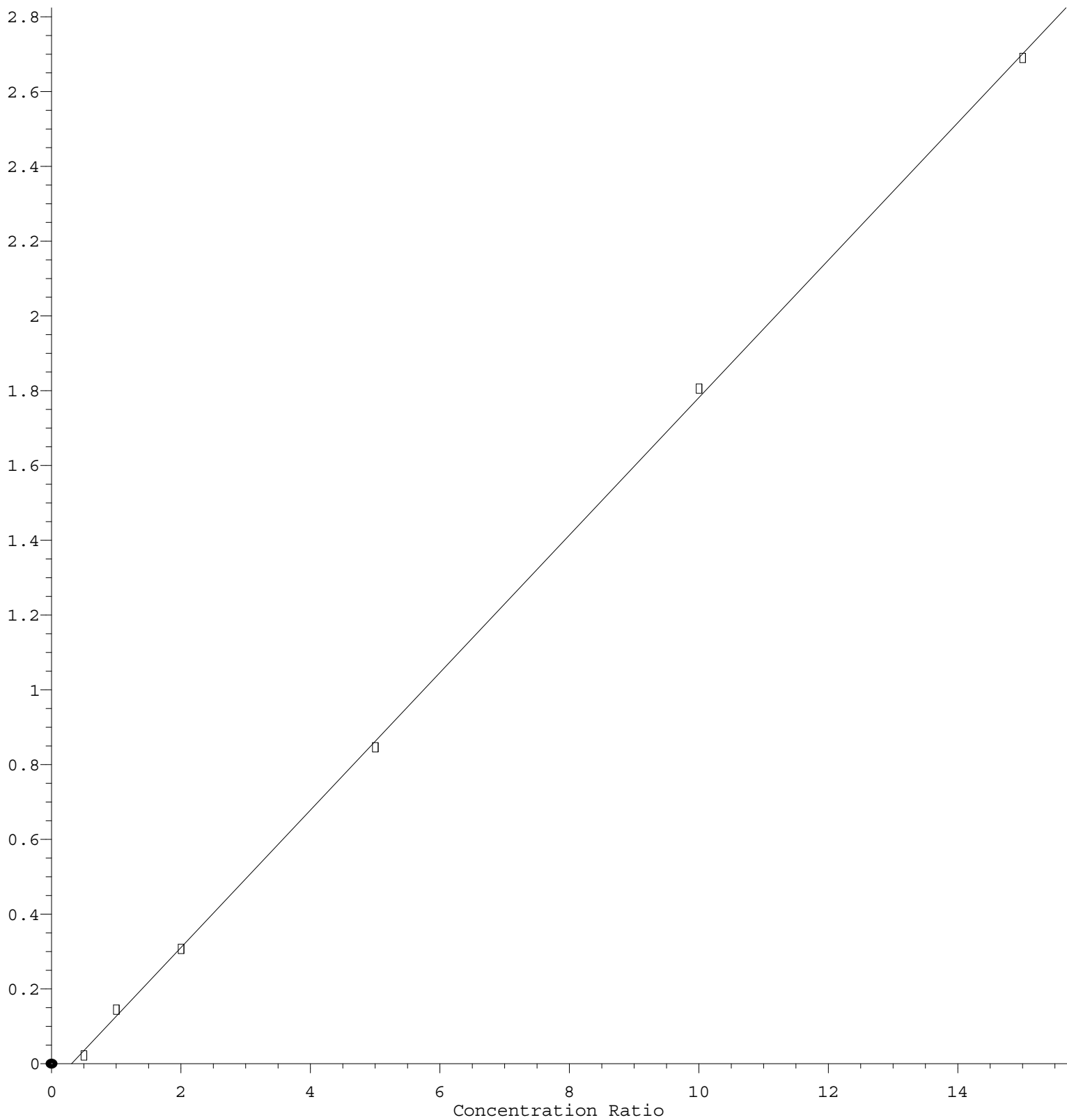
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y062325S.M

57)	T	1,3-Dichloropr...	0.371	0.428	0.439	0.438	0.442	0.433	0.425	6.39
58)	T	2-Chloroethyl ...	0.044	0.145	0.154	0.169	0.181	0.179	0.145	35.44
59)	T	2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.48
60)	T	Dibromochlorom...	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.82
61)	T	1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.81
62)	S	4-Bromofluorob...	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7.02
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.30
65)	PM	Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.30
66)	T	1,1,1,2-Tetrac...	0.315	0.377	0.377	0.385	0.393	0.386	0.372	7.76
67)	C	Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.88#
68)	T	m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.85
69)	T	o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	9.99
70)	T	Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.49
71)	P	Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8.02
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.67
74)	T	N-amyl acetate	0.680	0.794	0.814	0.897	0.896	0.900	0.830	10.47
75)	P	1,1,2,2-Tetrac...	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.65
76)	T	1,2,3-Trichlor...	0.559	0.516	0.514	0.510	0.489	0.474	0.510	5.67
77)	T	Bromobenzene	0.762	0.859	0.854	0.852	0.847	0.855	0.838	4.46
78)	T	n-propylbenzene	4.147	4.548	4.635	4.562	4.453	4.444	4.465	3.84
79)	T	2-Chlorotoluene	2.325	2.536	2.601	2.576	2.556	2.541	2.522	3.95
80)	T	1,3,5-Trimethy...	2.664	2.991	3.077	3.062	3.068	3.049	2.985	5.37
81)	T	trans-1,4-Dich...	0.179	0.208	0.210	0.199	0.212	0.205	0.202	5.96
82)	T	4-Chlorotoluene	2.411	2.686	2.688	2.697	2.718	2.698	2.650	4.43
83)	T	tert-Butylbenzene	2.410	2.643	2.647	2.720	2.670	2.706	2.633	4.31
84)	T	1,2,4-Trimethy...	2.551	3.002	3.081	3.098	3.101	3.099	2.989	7.28
85)	T	sec-Butylbenzene	3.629	3.998	4.083	4.097	4.016	3.943	3.961	4.35
86)	T	p-Isopropyltol...	2.887	3.282	3.338	3.414	3.442	3.415	3.296	6.34
87)	T	1,3-Dichlorobe...	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.47
88)	T	1,4-Dichlorobe...	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.50
89)	T	n-Butylbenzene	2.814	3.124	3.194	3.204	3.160	3.107	3.101	4.69
90)	T	Hexachloroethane	0.618	0.664	0.670	0.673	0.654	0.659	0.657	3.04
91)	T	1,2-Dichlorobe...	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3.00
92)	T	1,2-Dibromo-3-...	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.72
93)	T	1,2,4-Trichlor...	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.74
94)	T	Hexachlorobuta...	0.516	0.499	0.489	0.464	0.449	0.424	0.474	7.22
95)	T	Naphthalene	1.240	1.383	1.516	1.599	1.696	1.655	1.515	11.53
96)	T	1,2,3-Trichlor...	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.31

(#) = Out of Range

2-Chloroethyl Vinyl ether

Response Ratio



Response = $1.839 \times 10^{-1} \times \text{Amt} - 5.758 \times 10^{-2}$
Coef of Det (r^2) = 0.999746 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y062325S.M
Calibration Table Last Updated: Tue Jun 24 08:29:52 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022776.D
 Acq On : 23 Jun 2025 13:38
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	475810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	805517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	670807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	304230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27016	5.087	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.180%#		
35) Dibromofluoromethane	7.634	113	24664	5.035	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.060%#		
50) Toluene-d8	10.103	98	95214	4.898	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.800%#		
62) 4-Bromofluorobenzene	12.402	95	29609	4.738	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.480%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	20158	4.954	ug/l	98
3) Chloromethane	2.068	50	39810	5.124	ug/l	97
4) Vinyl Chloride	2.202	62	44450	4.579	ug/l	98
5) Bromomethane	2.598	94	37327	4.892	ug/l	95
6) Chloroethane	2.732	64	30869	4.731	ug/l	99
7) Trichlorofluoromethane	3.056	101	47536	4.423	ug/l	99
8) Diethyl Ether	3.458	74	12389	4.667	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	24158	4.919	ug/l	98
10) Methyl Iodide	4.001	142	21456	4.012	ug/l	99
11) Tert butyl alcohol	4.866	59	8018	22.707	ug/l	96
12) 1,1-Dichloroethene	3.787	96	22737	4.721	ug/l	98
13) Acrolein	3.653	56	12383	25.861	ug/l	94
14) Allyl chloride	4.379	41	32705	4.415	ug/l	99
15) Acrylonitrile	5.061	53	24866	22.452	ug/l	99
16) Acetone	3.873	43	27862	27.758	ug/l	97
17) Carbon Disulfide	4.104	76	72112	4.635	ug/l	100
18) Methyl Acetate	4.385	43	12955	3.897	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	55836	4.258	ug/l	100
20) Methylene Chloride	4.616	84	39953	6.303	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	24796	4.505	ug/l	84
22) Diisopropyl ether	6.012	45	69481	4.223	ug/l #	86
23) Vinyl Acetate	5.958	43	197369	21.723	ug/l	99
24) 1,1-Dichloroethane	5.909	63	45142	4.543	ug/l	99
25) 2-Butanone	6.902	43	34396	23.545	ug/l	93
26) 2,2-Dichloropropane	6.884	77	38104	4.574	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	28846	4.510	ug/l	96
28) Bromochloromethane	7.244	49	20781	4.974	ug/l	99
29) Tetrahydrofuran	7.262	42	20593	22.324	ug/l	96
30) Chloroform	7.421	83	46913	4.584	ug/l	97
31) Cyclohexane	7.701	56	47489	5.206	ug/l #	78
32) 1,1,1-Trichloroethane	7.616	97	40296	4.556	ug/l	99
36) 1,1-Dichloropropene	7.829	75	33812	4.554	ug/l	100
37) Ethyl Acetate	6.988	43	14555	4.543	ug/l	98
38) Carbon Tetrachloride	7.823	117	35332	4.510	ug/l	99
39) Methylcyclohexane	9.109	83	43762	4.554	ug/l	96
40) Benzene	8.079	78	100522	4.403	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022776.D
 Acq On : 23 Jun 2025 13:38
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Quant Title : SW846 8260

QLast Update : Tue Jun 24 02:48:20 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	9489m	4.694	ug/l	
42) 1,2-Dichloroethane	8.152	62	27003	4.316	ug/l	97
43) Isopropyl Acetate	8.201	43	28001	4.205	ug/l	99
44) Trichloroethene	8.866	130	24585	4.289	ug/l	95
45) 1,2-Dichloropropane	9.140	63	23279	4.357	ug/l	95
46) Dibromomethane	9.231	93	13652	4.501	ug/l	96
47) Bromodichloromethane	9.420	83	34024	4.350	ug/l	97
48) Methyl methacrylate	9.219	41	12155	3.797	ug/l	98
49) 1,4-Dioxane	9.231	88	3000	83.716	ug/l #	88
51) 4-Methyl-2-Pentanone	9.999	43	67853	20.050	ug/l	96
52) Toluene	10.170	92	60162	4.177	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	28590	4.063	ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	33149	4.063	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	16701	4.252	ug/l	93
56) Ethyl methacrylate	10.438	69	20761	3.929	ug/l	96
57) 1,3-Dichloropropane	10.713	76	29874	4.360	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	17827	21.672	ug/l	98
59) 2-Hexanone	10.755	43	46132	20.050	ug/l	96
60) Dibromochloromethane	10.908	129	20962	4.132	ug/l	99
61) 1,2-Dibromoethane	11.012	107	15579	4.239	ug/l	99
64) Tetrachloroethene	10.640	164	26784	4.227	ug/l	97
65) Chlorobenzene	11.438	112	65810	4.465	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	21097	4.226	ug/l	99
67) Ethyl Benzene	11.518	91	110258	4.257	ug/l	98
68) m/p-Xylenes	11.621	106	83728	8.364	ug/l	98
69) o-Xylene	11.950	106	38740	4.107	ug/l	98
70) Styrene	11.963	104	62104	3.930	ug/l	99
71) Bromoform	12.127	173	11959	4.302	ug/l #	99
73) Isopropylbenzene	12.249	105	102024	4.534	ug/l	99
74) N-amyl acetate	12.066	43	20685	4.096	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	18149	5.005	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	17021m	5.313	ug/l	
77) Bromobenzene	12.530	156	23191	4.547	ug/l	98
78) n-propylbenzene	12.590	91	126153	4.644	ug/l	97
79) 2-Chlorotoluene	12.676	91	70735	4.609	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	81045	4.462	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.298	75	5453	4.436	ug/l	93
82) 4-Chlorotoluene	12.773	91	73344	4.549	ug/l	99
83) tert-Butylbenzene	12.993	119	73316	4.577	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	77619	4.268	ug/l	98
85) sec-Butylbenzene	13.170	105	110395	4.580	ug/l	99
86) p-Isopropyltoluene	13.285	119	87840	4.380	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	47028	4.591	ug/l	100
88) 1,4-Dichlorobenzene	13.359	146	47574	4.676	ug/l	92
89) n-Butylbenzene	13.615	91	85615	4.538	ug/l	99
90) Hexachloroethane	13.871	117	18815	4.710	ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	42426	4.700	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3105	5.049	ug/l	90
93) 1,2,4-Trichlorobenzene	14.913	180	23654	4.641	ug/l	99
94) Hexachlorobutadiene	15.017	225	15690	5.444	ug/l	98
95) Naphthalene	15.139	128	37712	4.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20664	4.692	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022776.D
Acq On : 23 Jun 2025 13:38
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

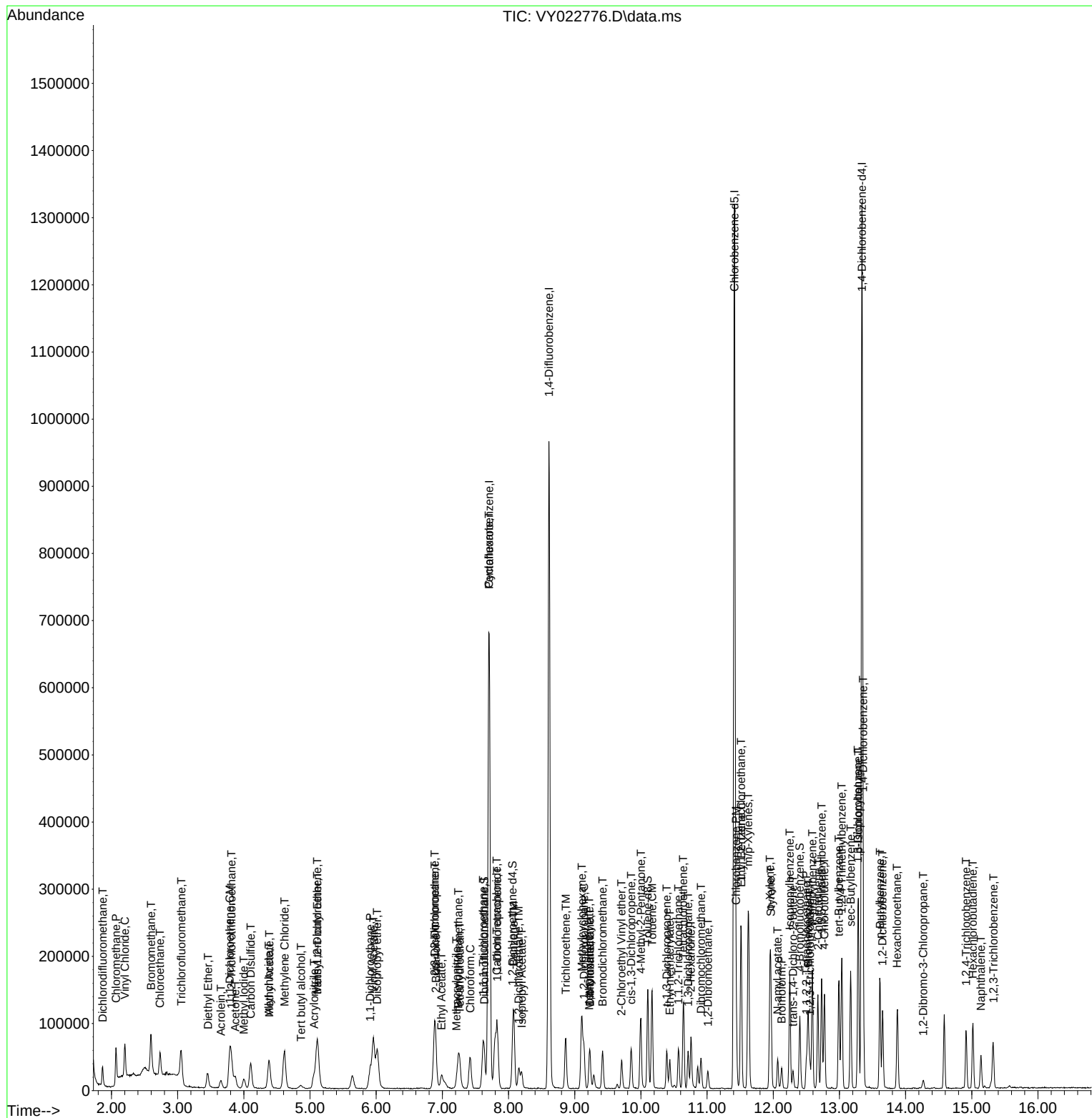

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\  
Data File : VY022776.D  
Acq On    : 23 Jun 2025  13:38  
Operator  : SY/MD  
Sample    : VSTDIC005  
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL  
ALS Vial  : 3      Sample Multiplier: 1
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Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:49:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022777.D
 Acq On : 23 Jun 2025 14:00
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	463035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	781463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	664424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	310897	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	50892	9.848	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	19.700%#
35) Dibromofluoromethane	7.628	113	46399	9.763	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	19.520%#
50) Toluene-d8	10.103	98	179425	9.514	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	19.020%#
62) 4-Bromofluorobenzene	12.401	95	56575	9.332	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	18.660%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	42214	10.662	ug/l	94
3) Chloromethane	2.068	50	85337	11.287	ug/l	95
4) Vinyl Chloride	2.202	62	101774	10.775	ug/l	99
5) Bromomethane	2.592	94	81985	11.040	ug/l	98
6) Chloroethane	2.732	64	68123	10.729	ug/l	97
7) Trichlorofluoromethane	3.049	101	109310	10.451	ug/l	99
8) Diethyl Ether	3.452	74	26729	10.347	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	51901	10.858	ug/l	98
10) Methyl Iodide	3.994	142	50149	9.637	ug/l	99
11) Tert butyl alcohol	4.860	59	17351	50.493	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	49870	10.641	ug/l	94
13) Acrolein	3.653	56	23603	50.654	ug/l	96
14) Allyl chloride	4.385	41	74349	10.314	ug/l	100
15) Acrylonitrile	5.055	53	53484	49.623	ug/l	97
16) Acetone	3.866	43	57265	58.626	ug/l	97
17) Carbon Disulfide	4.104	76	157862	10.426	ug/l	96
18) Methyl Acetate	4.385	43	33123	10.240	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	129453	10.144	ug/l	97
20) Methylene Chloride	4.610	84	71926	11.660	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	55933	10.442	ug/l	93
22) Diisopropyl ether	6.012	45	163202	10.194	ug/l #	90
23) Vinyl Acetate	5.957	43	436202	49.334	ug/l	99
24) 1,1-Dichloroethane	5.909	63	99575	10.297	ug/l	99
25) 2-Butanone	6.896	43	74304	52.267	ug/l	98
26) 2,2-Dichloropropane	6.884	77	86121	10.624	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	63822	10.254	ug/l	98
28) Bromochloromethane	7.244	49	39901	9.815	ug/l	99
29) Tetrahydrofuran	7.256	42	44155	49.188	ug/l	99
30) Chloroform	7.415	83	104609	10.503	ug/l	100
31) Cyclohexane	7.695	56	94507	10.647	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	87498	10.166	ug/l	98
36) 1,1-Dichloropropene	7.835	75	73869	10.254	ug/l	99
37) Ethyl Acetate	6.982	43	30940	9.953	ug/l	99
38) Carbon Tetrachloride	7.817	117	77817	10.238	ug/l	96
39) Methylcyclohexane	9.103	83	92069	9.876	ug/l	96
40) Benzene	8.073	78	223979	10.113	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022777.D
 Acq On : 23 Jun 2025 14:00
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025

Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Quant Title : SW846 8260

QLast Update : Tue Jun 24 02:48:20 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	21459m	10.943	ug/l	
42) 1,2-Dichloroethane	8.152	62	62006	10.217	ug/l	98
43) Isopropyl Acetate	8.195	43	63693	9.859	ug/l	97
44) Trichloroethene	8.866	130	56947	10.241	ug/l	98
45) 1,2-Dichloropropane	9.140	63	53045	10.233	ug/l	94
46) Dibromomethane	9.225	93	30124	10.237	ug/l	96
47) Bromodichloromethane	9.420	83	77307	10.188	ug/l	99
48) Methyl methacrylate	9.219	41	30168	9.713	ug/l	99
49) 1,4-Dioxane	9.225	88	6781	195.052	ug/l	93
51) 4-Methyl-2-Pentanone	9.993	43	156769	47.750	ug/l	99
52) Toluene	10.164	92	136520	9.771	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	67233	9.848	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	78622	9.932	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	38897	10.208	ug/l	97
56) Ethyl methacrylate	10.438	69	46228	9.018	ug/l	98
57) 1,3-Dichloropropane	10.713	76	66930	10.068	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	113045	54.985	ug/l	100
59) 2-Hexanone	10.755	43	109594	49.099	ug/l	98
60) Dibromochloromethane	10.908	129	49185	9.994	ug/l	99
61) 1,2-Dibromoethane	11.011	107	36029	10.105	ug/l	98
64) Tetrachloroethene	10.646	164	61796	9.845	ug/l	95
65) Chlorobenzene	11.438	112	147476	10.101	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	50032	10.118	ug/l	100
67) Ethyl Benzene	11.511	91	249925	9.743	ug/l	98
68) m/p-Xylenes	11.627	106	191878	19.351	ug/l	99
69) o-Xylene	11.950	106	89531	9.582	ug/l	100
70) Styrene	11.963	104	147196	9.405	ug/l	99
71) Bromoform	12.127	173	27105	9.844	ug/l #	98
73) Isopropylbenzene	12.249	105	234034	10.179	ug/l	99
74) N-amyl acetate	12.066	43	49341	9.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40964	11.054	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	32074m	9.797	ug/l	
77) Bromobenzene	12.523	156	53437	10.253	ug/l	98
78) n-propylbenzene	12.590	91	282781	10.186	ug/l	99
79) 2-Chlorotoluene	12.676	91	157704	10.055	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	186006	10.021	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	12937	10.297	ug/l	95
82) 4-Chlorotoluene	12.773	91	166997	10.137	ug/l	98
83) tert-Butylbenzene	12.993	119	164329	10.039	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	186662	10.045	ug/l	99
85) sec-Butylbenzene	13.170	105	248568	10.092	ug/l	99
86) p-Isopropyltoluene	13.285	119	204047	9.955	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	103200	9.860	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	108198	10.406	ug/l	98
89) n-Butylbenzene	13.609	91	194233	10.075	ug/l	98
90) Hexachloroethane	13.877	117	41277	10.111	ug/l	99
91) 1,2-Dichlorobenzene	13.651	146	92518	10.030	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6258	9.958	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	52305	10.043	ug/l	99
94) Hexachlorobutadiene	15.017	225	31049	10.543	ug/l	100
95) Naphthalene	15.139	128	85996	9.131	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	44944	9.987	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

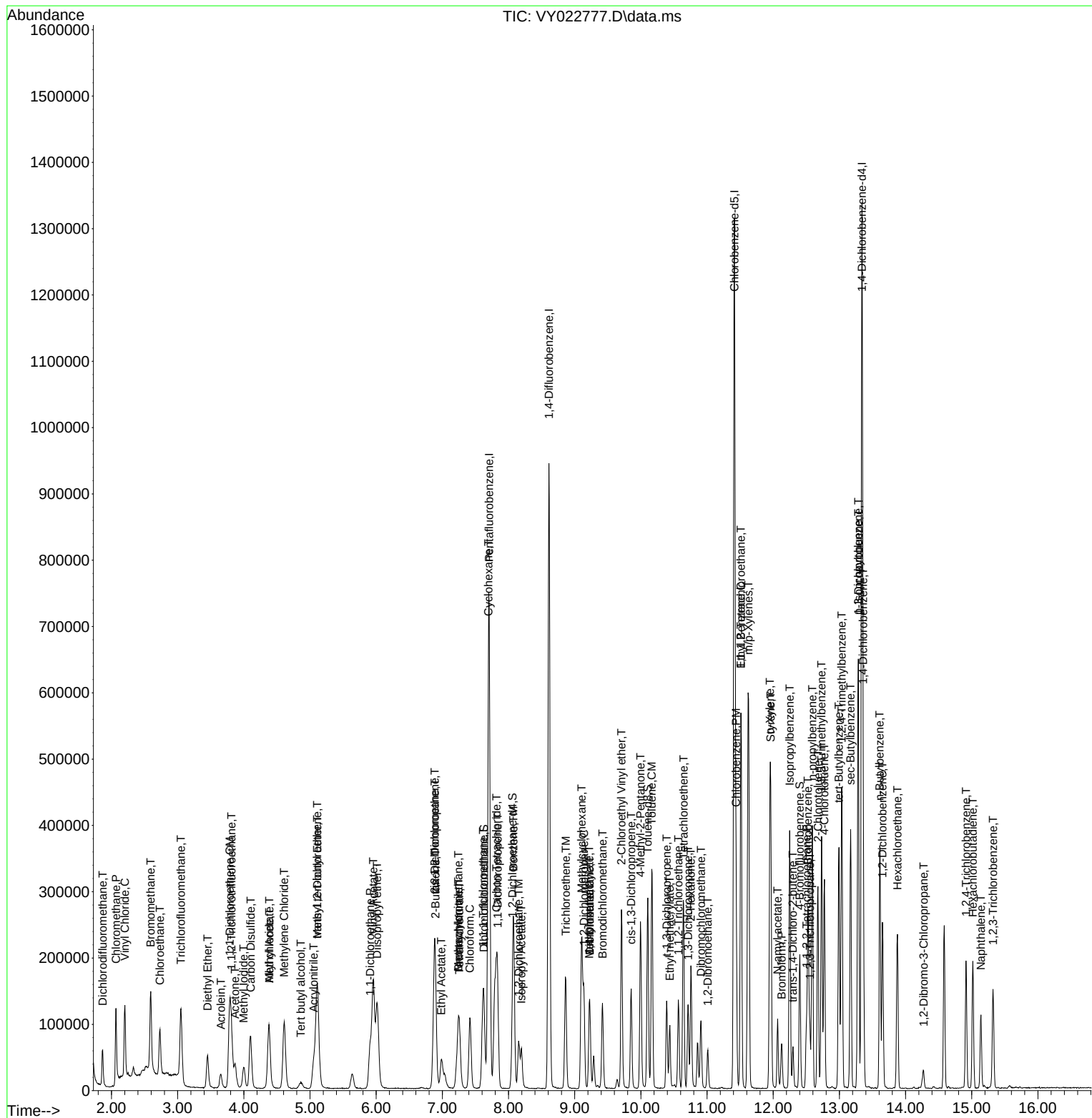
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Data File : VY022777.D
Acq On : 23 Jun 2025 14:00
Operator : SY/MD
Sample : VSTDIC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:50:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022778.D
 Acq On : 23 Jun 2025 14:23
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	466622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	781920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	668589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	321641	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	103895	19.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.900%#
35) Dibromofluoromethane	7.628	113	92378	19.426	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	38.860%#
50) Toluene-d8	10.103	98	370864	19.654	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	39.300%#
62) 4-Bromofluorobenzene	12.402	95	115617	19.060	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	38.120%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	88527	22.187	ug/l	96
3) Chloromethane	2.062	50	161461	21.191	ug/l	97
4) Vinyl Chloride	2.196	62	203692	21.399	ug/l	98
5) Bromomethane	2.580	94	159406	21.301	ug/l	100
6) Chloroethane	2.727	64	134813	21.069	ug/l	95
7) Trichlorofluoromethane	3.044	101	227500	21.584	ug/l	97
8) Diethyl Ether	3.452	74	53531	20.563	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	102158	21.209	ug/l	99
10) Methyl Iodide	3.995	142	105737	20.162	ug/l	99
11) Tert butyl alcohol	4.854	59	35575	102.731	ug/l	99
12) 1,1-Dichloroethene	3.781	96	97726	20.691	ug/l	93
13) Acrolein	3.647	56	49556	105.534	ug/l	97
14) Allyl chloride	4.373	41	150283	20.687	ug/l	100
15) Acrylonitrile	5.049	53	112031	103.145	ug/l	99
16) Acetone	3.867	43	106379	108.071	ug/l	94
17) Carbon Disulfide	4.092	76	323087	21.175	ug/l	98
18) Methyl Acetate	4.379	43	82088	25.182	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	260531	20.258	ug/l	99
20) Methylene Chloride	4.610	84	123947	19.939	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	111517	20.659	ug/l	94
22) Diisopropyl ether	6.013	45	331999	20.578	ug/l	96
23) Vinyl Acetate	5.952	43	858731	96.375	ug/l	99
24) 1,1-Dichloroethane	5.909	63	201445	20.671	ug/l	99
25) 2-Butanone	6.890	43	149196	104.140	ug/l	100
26) 2,2-Dichloropropane	6.878	77	173008	21.179	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	128206	20.439	ug/l	99
28) Bromochloromethane	7.238	49	81625	19.923	ug/l	99
29) Tetrahydrofuran	7.256	42	91536	101.186	ug/l	98
30) Chloroform	7.415	83	205035	20.428	ug/l	95
31) Cyclohexane	7.695	56	184362	20.610	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	181573	20.934	ug/l	99
36) 1,1-Dichloropropene	7.829	75	147625	20.481	ug/l	99
37) Ethyl Acetate	6.982	43	62062	19.954	ug/l	98
38) Carbon Tetrachloride	7.811	117	158707	20.868	ug/l	97
39) Methylcyclohexane	9.103	83	190778	20.453	ug/l	95
40) Benzene	8.079	78	453686	20.472	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022778.D
 Acq On : 23 Jun 2025 14:23
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	40422m	20.600	ug/l	
42) 1,2-Dichloroethane	8.152	62	125873	20.728	ug/l	100
43) Isopropyl Acetate	8.195	43	132526	20.501	ug/l	99
44) Trichloroethene	8.860	130	119612	21.498	ug/l	97
45) 1,2-Dichloropropane	9.134	63	107803	20.785	ug/l	100
46) Dibromomethane	9.225	93	60151	20.430	ug/l	100
47) Bromodichloromethane	9.420	83	155066	20.424	ug/l	99
48) Methyl methacrylate	9.219	41	65108	20.951	ug/l	99
49) 1,4-Dioxane	9.219	88	14738	423.683	ug/l	97
51) 4-Methyl-2-Pentanone	9.993	43	335542	102.143	ug/l	99
52) Toluene	10.164	92	284109	20.321	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	137096	20.069	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	163425	20.633	ug/l	98
55) 1,1,2-Trichloroethane	10.567	97	77767	20.398	ug/l	96
56) Ethyl methacrylate	10.439	69	98608	19.224	ug/l	98
57) 1,3-Dichloropropane	10.713	76	137448	20.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	240143	99.154	ug/l	99
59) 2-Hexanone	10.756	43	226399	101.369	ug/l	100
60) Dibromochloromethane	10.908	129	100360	20.380	ug/l	99
61) 1,2-Dibromoethane	11.012	107	71565	20.059	ug/l	99
64) Tetrachloroethene	10.640	164	143038	22.646	ug/l	97
65) Chlorobenzene	11.438	112	302372	20.582	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.512	131	100839	20.265	ug/l	99
67) Ethyl Benzene	11.512	91	527080	20.420	ug/l	97
68) m/p-Xylenes	11.621	106	405724	40.662	ug/l	99
69) o-Xylene	11.950	106	189409	20.146	ug/l	100
70) Styrene	11.963	104	311610	19.787	ug/l	99
71) Bromoform	12.127	173	54365	19.622	ug/l #	99
73) Isopropylbenzene	12.249	105	491885	20.678	ug/l	99
74) N-amyl acetate	12.066	43	104745	19.617	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	72880	19.010	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	66146m	19.529	ug/l	
77) Bromobenzene	12.530	156	109855	20.375	ug/l	98
78) n-propylbenzene	12.591	91	596356	20.765	ug/l	100
79) 2-Chlorotoluene	12.676	91	334595	20.620	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	395821	20.613	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	26956	20.739	ug/l	97
82) 4-Chlorotoluene	12.774	91	345875	20.293	ug/l	99
83) tert-Butylbenzene	12.993	119	340561	20.110	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	396401	20.618	ug/l	100
85) sec-Butylbenzene	13.170	105	525353	20.618	ug/l	100
86) p-Isopropyltoluene	13.286	119	429419	20.252	ug/l	99
87) 1,3-Dichlorobenzene	13.280	146	217684	20.103	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	217184	20.191	ug/l	98
89) n-Butylbenzene	13.609	91	410986	20.605	ug/l	99
90) Hexachloroethane	13.871	117	86261	20.425	ug/l	95
91) 1,2-Dichlorobenzene	13.651	146	193285	20.255	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	13274	20.417	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	109060	20.242	ug/l	99
94) Hexachlorobutadiene	15.017	225	62946	20.660	ug/l	97
95) Naphthalene	15.139	128	195013	20.015	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	94536	20.305	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

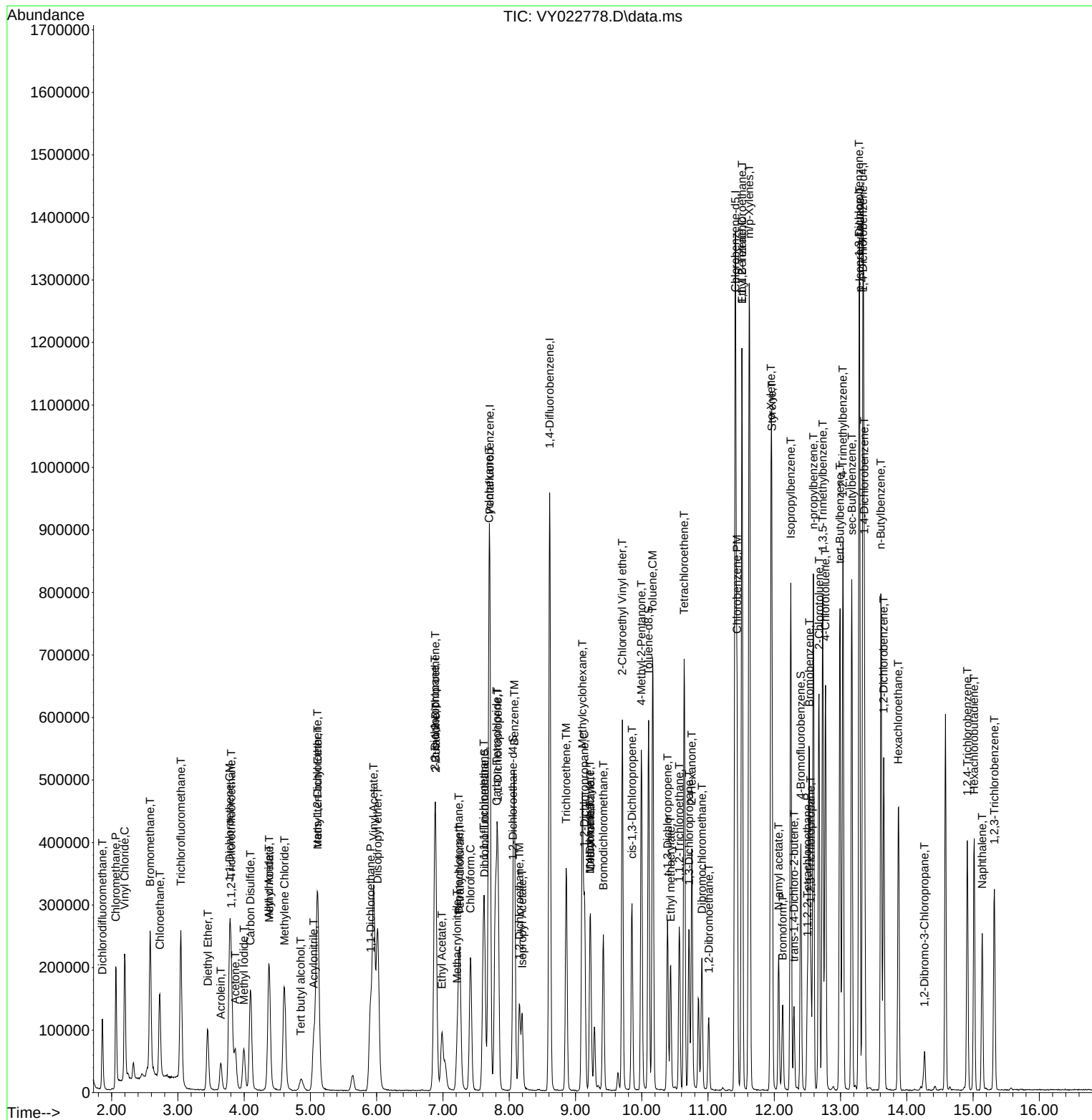
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Data File : VY022778.D
Acq On : 23 Jun 2025 14:23
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:51:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022779.D
 Acq On : 23 Jun 2025 14:46
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	466305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	785509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	682333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	344728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	260449	50.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.634	113	238601	49.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.900%			
50) Toluene-d8	10.103	98	954176	50.336	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.401	95	302230	49.596	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	197658	49.571	ug/l	100
3) Chloromethane	2.062	50	369888	48.580	ug/l	100
4) Vinyl Chloride	2.196	62	487333	51.231	ug/l	100
5) Bromomethane	2.586	94	359349	48.052	ug/l	100
6) Chloroethane	2.726	64	323583	50.606	ug/l	100
7) Trichlorofluoromethane	3.043	101	543608	51.610	ug/l	100
8) Diethyl Ether	3.452	74	132997	51.123	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	240341	49.930	ug/l	100
10) Methyl Iodide	3.994	142	292108	55.737	ug/l	100
11) Tert butyl alcohol	4.860	59	89018	257.234	ug/l	100
12) 1,1-Dichloroethene	3.781	96	239818	50.810	ug/l	100
13) Acrolein	3.647	56	115313	245.735	ug/l	100
14) Allyl chloride	4.378	41	371698	51.200	ug/l	100
15) Acrylonitrile	5.049	53	281372	259.229	ug/l	100
16) Acetone	3.866	43	222401	226.091	ug/l	100
17) Carbon Disulfide	4.098	76	777454	50.988	ug/l	100
18) Methyl Acetate	4.378	43	163588	50.217	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	669314	52.080	ug/l	100
20) Methylene Chloride	4.604	84	275283	44.313	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	276104	51.184	ug/l	100
22) Diisopropyl ether	6.018	45	834245	51.744	ug/l	100
23) Vinyl Acetate	5.951	43	2354219	264.392	ug/l	100
24) 1,1-Dichloroethane	5.909	63	502277	51.577	ug/l	100
25) 2-Butanone	6.890	43	357225	249.517	ug/l	100
26) 2,2-Dichloropropane	6.878	77	412194	50.494	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	319602	50.988	ug/l	100
28) Bromochloromethane	7.244	49	214101	52.294	ug/l	100
29) Tetrahydrofuran	7.256	42	237439	262.648	ug/l	100
30) Chloroform	7.421	83	511015	50.947	ug/l	100
31) Cyclohexane	7.695	56	441072	49.341	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	442929	51.101	ug/l	100
36) 1,1-Dichloropropene	7.829	75	368198	50.850	ug/l	100
37) Ethyl Acetate	6.982	43	161593	51.717	ug/l	100
38) Carbon Tetrachloride	7.817	117	385426	50.447	ug/l	100
39) Methylcyclohexane	9.103	83	485179	51.778	ug/l	100
40) Benzene	8.073	78	1150210	51.666	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022779.D
 Acq On : 23 Jun 2025 14:46
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	93931	47.652	ug/l	100
42) 1,2-Dichloroethane	8.152	62	314067	51.482	ug/l	100
43) Isopropyl Acetate	8.195	43	342439	52.731	ug/l	100
44) Trichloroethene	8.859	130	292433	52.319	ug/l	100
45) 1,2-Dichloropropane	9.140	63	266251	51.100	ug/l	100
46) Dibromomethane	9.231	93	150422	50.856	ug/l	100
47) Bromodichloromethane	9.420	83	391542	51.335	ug/l	100
48) Methyl methacrylate	9.219	41	168241	53.890	ug/l	100
49) 1,4-Dioxane	9.231	88	36253	1037.426	ug/l	100
51) 4-Methyl-2-Pentanone	9.993	43	886055	268.494	ug/l	100
52) Toluene	10.170	92	727451	51.795	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	354481	51.655	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	411345	51.696	ug/l	100
55) 1,1,2-Trichloroethane	10.566	97	198415	51.805	ug/l	100
56) Ethyl methacrylate	10.432	69	277956	53.942	ug/l	100
57) 1,3-Dichloropropane	10.713	76	344212	51.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	664611	245.688	ug/l	100
59) 2-Hexanone	10.755	43	594522	264.979	ug/l	100
60) Dibromochloromethane	10.908	129	258124	52.176	ug/l	100
61) 1,2-Dibromoethane	11.011	107	185981	51.892	ug/l	100
64) Tetrachloroethene	10.646	164	351675	54.557	ug/l	100
65) Chlorobenzene	11.438	112	768503	51.257	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	262905	51.771	ug/l	100
67) Ethyl Benzene	11.517	91	1384381	52.553	ug/l	100
68) m/p-Xylenes	11.627	106	1067204	104.802	ug/l	100
69) o-Xylene	11.950	106	501048	52.219	ug/l	100
70) Styrene	11.962	104	852365	53.034	ug/l	100
71) Bromoform	12.127	173	144890	51.241	ug/l #	100
73) Isopropylbenzene	12.249	105	1302433	51.086	ug/l	100
74) N-amyl acetate	12.066	43	309312	54.051	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	195531	47.587	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	175695m	48.399	ug/l	100
77) Bromobenzene	12.529	156	293698	50.823	ug/l	100
78) n-propylbenzene	12.590	91	1572487	51.086	ug/l	100
79) 2-Chlorotoluene	12.676	91	887920	51.056	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1055520	51.286	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	68487	49.163	ug/l	100
82) 4-Chlorotoluene	12.773	91	929596	50.888	ug/l	100
83) tert-Butylbenzene	12.993	119	937562	51.654	ug/l	100
84) 1,2,4-Trimethylbenzene	13.035	105	1068099	51.835	ug/l	100
85) sec-Butylbenzene	13.170	105	1412230	51.712	ug/l	100
86) p-Isopropyltoluene	13.285	119	1176992	51.790	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	588857	50.737	ug/l	100
88) 1,4-Dichlorobenzene	13.358	146	581012	50.397	ug/l	100
89) n-Butylbenzene	13.608	91	1104530	51.668	ug/l	100
90) Hexachloroethane	13.871	117	232074	51.271	ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	516584	50.508	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35564	51.039	ug/l	100
93) 1,2,4-Trichlorobenzene	14.913	180	290624	50.327	ug/l	100
94) Hexachlorobutadiene	15.017	225	160111	49.032	ug/l	100
95) Naphthalene	15.139	128	551169	52.780	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	251077	50.316	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

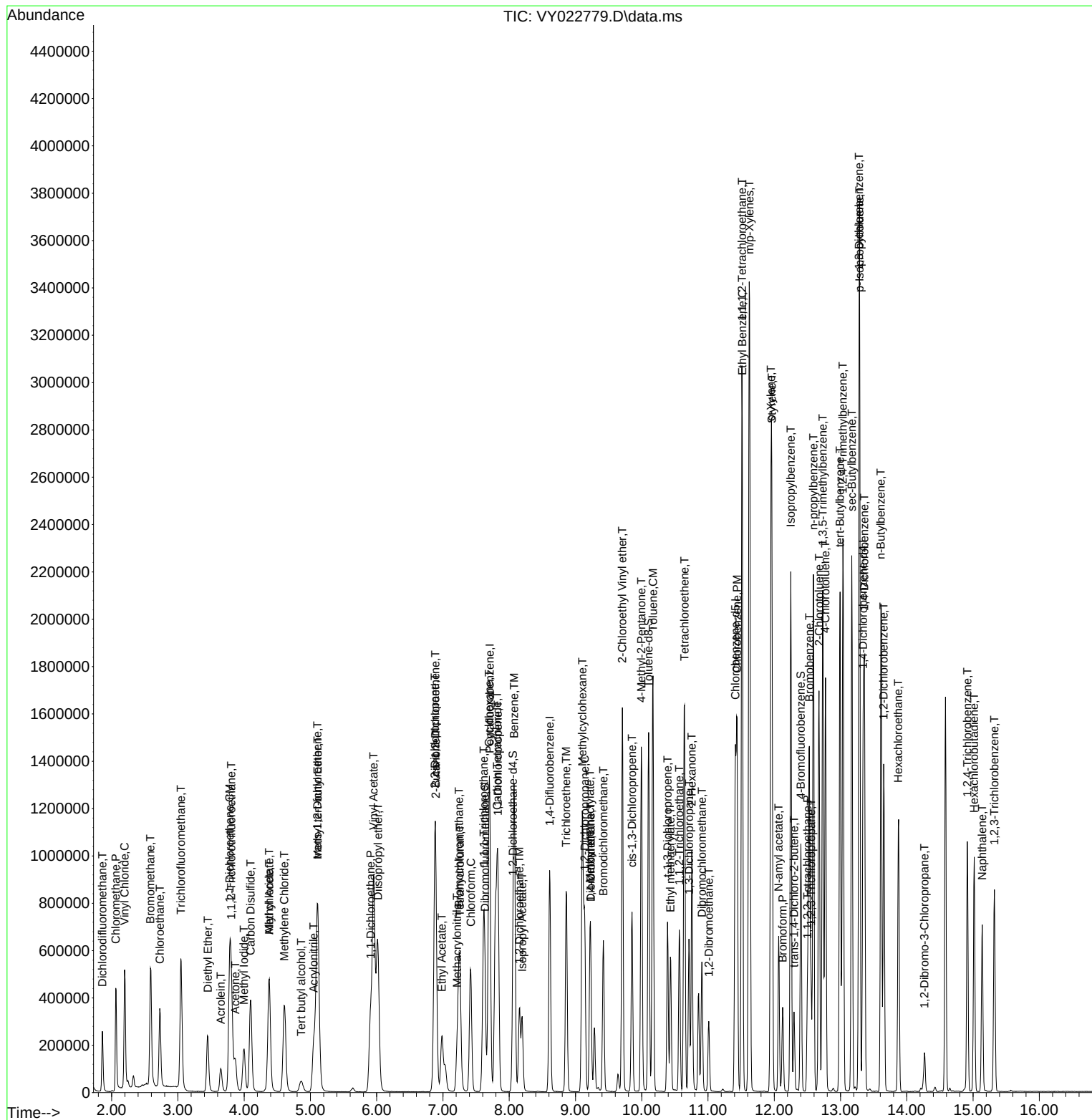
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Data File : VY022779.D
Acq On : 23 Jun 2025 14:46
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Jun 24 02:52:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022780.D
 Acq On : 23 Jun 2025 15:08
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:53:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.701	168	475581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	797167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	372652	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.055	65	542659	102.235	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 204.460%#	
35) Dibromofluoromethane	7.628	113	500461	103.231	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 206.460%#	
50) Toluene-d8	10.103	98	2012122	104.594	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 209.180%#	
62) 4-Bromofluorobenzene	12.402	95	673658	108.931	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 217.860%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	383820	94.381	ug/l	97
3) Chloromethane	2.062	50	721237	92.877	ug/l	96
4) Vinyl Chloride	2.196	62	944075	97.310	ug/l	100
5) Bromomethane	2.580	94	723247	94.826	ug/l	100
6) Chloroethane	2.726	64	639835	98.113	ug/l	96
7) Trichlorofluoromethane	3.043	101	1072039	99.794	ug/l	98
8) Diethyl Ether	3.446	74	267488	100.816	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	467671	95.263	ug/l	99
10) Methyl Iodide	3.994	142	581464	108.785	ug/l	99
11) Tert butyl alcohol	4.854	59	184238	522.007	ug/l	99
12) 1,1-Dichloroethene	3.781	96	475211	98.719	ug/l	96
13) Acrolein	3.647	56	232931	486.701	ug/l	98
14) Allyl chloride	4.372	41	751070	101.438	ug/l	100
15) Acrylonitrile	5.049	53	578586	522.657	ug/l	99
16) Acetone	3.866	43	454852	453.380	ug/l	93
17) Carbon Disulfide	4.098	76	1545558	99.386	ug/l	99
18) Methyl Acetate	4.379	43	336182	101.185	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	1388952	105.967	ug/l	99
20) Methylene Chloride	4.604	84	549956	86.802	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	552497	100.424	ug/l	93
22) Diisopropyl ether	6.012	45	1716130	104.367	ug/l	98
23) Vinyl Acetate	5.951	43	4870879	536.357	ug/l	100
24) 1,1-Dichloroethane	5.909	63	1003848	101.070	ug/l	99
25) 2-Butanone	6.884	43	743716	509.343	ug/l	98
26) 2,2-Dichloropropane	6.878	77	821294	98.646	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	653863	102.279	ug/l	99
28) Bromochloromethane	7.238	49	421499	100.943	ug/l	98
29) Tetrahydrofuran	7.256	42	489018	530.386	ug/l	99
30) Chloroform	7.415	83	1031414	100.825	ug/l	99
31) Cyclohexane	7.695	56	860538	94.387	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	892886	101.003	ug/l	99
36) 1,1-Dichloropropene	7.829	75	745473	101.447	ug/l	100
37) Ethyl Acetate	6.982	43	335415	105.778	ug/l	98
38) Carbon Tetrachloride	7.811	117	784957	101.239	ug/l	99
39) Methylcyclohexane	9.103	83	969618	101.963	ug/l	97
40) Benzene	8.073	78	2338781	103.518	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022780.D
 Acq On : 23 Jun 2025 15:08
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:53:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	172503	86.232	ug/l	90
42) 1,2-Dichloroethane	8.152	62	644142	104.044	ug/l	100
43) Isopropyl Acetate	8.195	43	703942	106.813	ug/l	99
44) Trichloroethene	8.859	130	573927	101.178	ug/l	94
45) 1,2-Dichloropropane	9.140	63	543704	102.824	ug/l	100
46) Dibromomethane	9.225	93	308843	102.889	ug/l	99
47) Bromodichloromethane	9.420	83	803009	103.743	ug/l	99
48) Methyl methacrylate	9.219	41	348723	110.068	ug/l	99
49) 1,4-Dioxane	9.225	88	74032	2087.539	ug/l	95
51) 4-Methyl-2-Pentanone	9.993	43	1833298	547.404	ug/l	100
52) Toluene	10.170	92	1522485	106.816	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	754526	108.342	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	860746	106.593	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	407343	104.800	ug/l	99
56) Ethyl methacrylate	10.432	69	592646	113.331	ug/l	99
57) 1,3-Dichloropropane	10.713	76	705449	104.027	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	1439247	506.517	ug/l	99
59) 2-Hexanone	10.755	43	1250090	549.018	ug/l	99
60) Dibromochloromethane	10.908	129	535327	106.627	ug/l	99
61) 1,2-Dibromoethane	11.012	107	388631	106.848	ug/l	99
64) Tetrachloroethene	10.646	164	674360	100.198	ug/l	98
65) Chlorobenzene	11.438	112	1610361	102.870	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	559842	105.587	ug/l	99
67) Ethyl Benzene	11.511	91	2906187	105.662	ug/l	99
68) m/p-Xylenes	11.627	106	2278768	214.327	ug/l	99
69) o-Xylene	11.950	106	1082170	108.020	ug/l	99
70) Styrene	11.963	104	1865505	111.168	ug/l	99
71) Bromoform	12.127	173	321083	108.756	ug/l #	98
73) Isopropylbenzene	12.249	105	2764621	100.312	ug/l	99
74) N-amyl acetate	12.066	43	667613	107.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	442467	99.615	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	364588m	92.907	ug/l	
77) Bromobenzene	12.530	156	631186	101.040	ug/l	99
78) n-propylbenzene	12.590	91	3318659	99.735	ug/l	99
79) 2-Chlorotoluene	12.676	91	1904783	101.319	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	2286529	102.773	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	157671	104.703	ug/l	94
82) 4-Chlorotoluene	12.773	91	2025702	102.582	ug/l	99
83) tert-Butylbenzene	12.993	119	1990057	101.425	ug/l	100
84) 1,2,4-Trimethylbenzene	13.036	105	2310931	103.747	ug/l	99
85) sec-Butylbenzene	13.170	105	2993511	101.400	ug/l	99
86) p-Isopropyltoluene	13.285	119	2565197	104.416	ug/l	100
87) 1,3-Dichlorobenzene	13.279	146	1304649	103.989	ug/l	100
88) 1,4-Dichlorobenzene	13.359	146	1259287	101.046	ug/l	100
89) n-Butylbenzene	13.609	91	2355349	101.924	ug/l	99
90) Hexachloroethane	13.877	117	487480	99.627	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	1129471	102.157	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	75666	100.453	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	648932	103.955	ug/l	99
94) Hexachlorobutadiene	15.017	225	334737	94.827	ug/l	99
95) Naphthalene	15.139	128	1263808	111.955	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	559578	103.737	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022780.D
Acq On : 23 Jun 2025 15:08
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:53:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

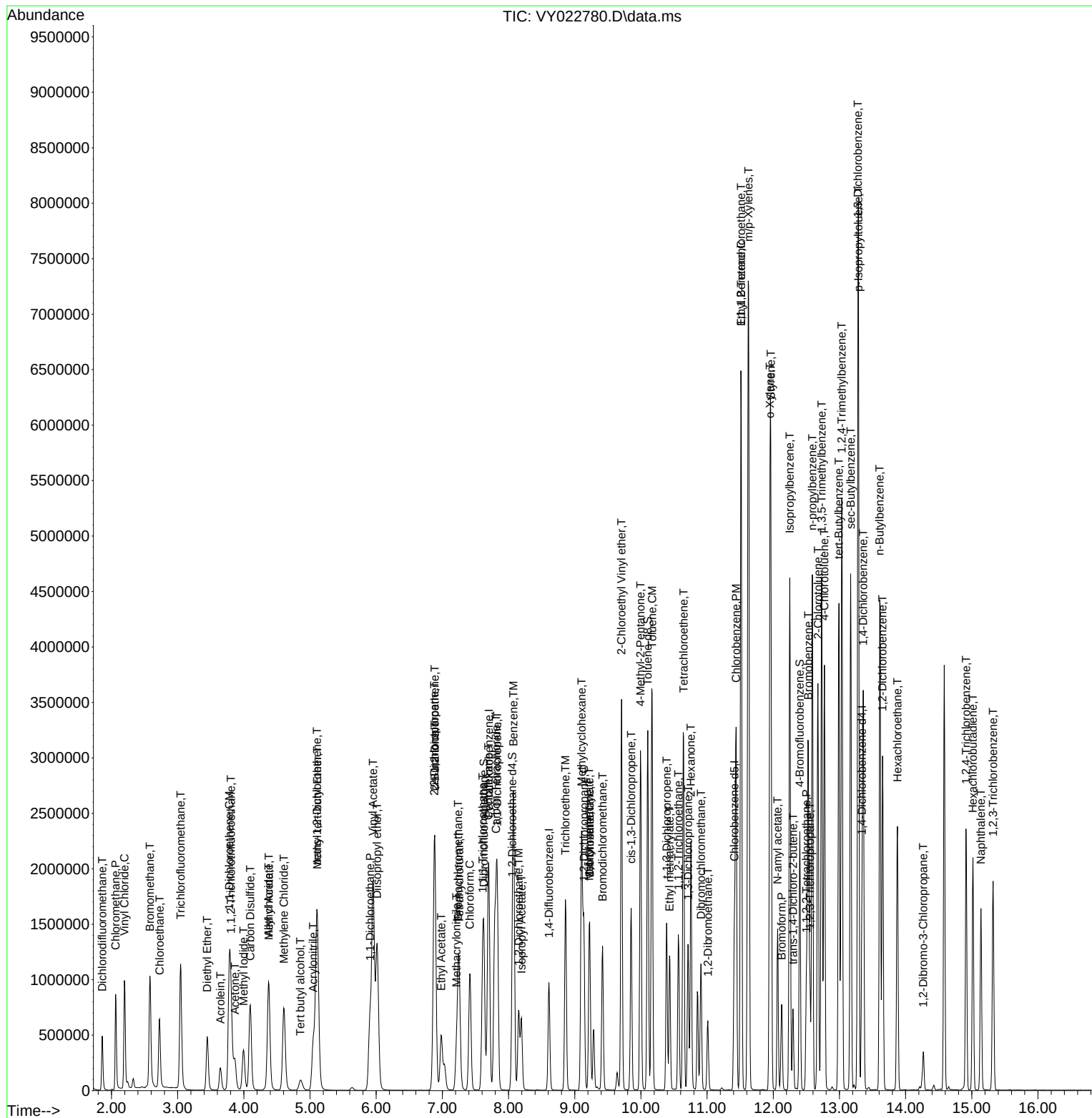
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022781.D
 Acq On : 23 Jun 2025 15:31
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	487197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	805416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	724825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	371200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	796965	146.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 293.140%#			
35) Dibromofluoromethane	7.628	113	745134	152.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 304.260%#			
50) Toluene-d8	10.103	98	3013418	155.039	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 310.080%#			
62) 4-Bromofluorobenzene	12.402	95	1016821	162.737	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 325.480%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	561426	134.762	ug/l	98
3) Chloromethane	2.062	50	1057912	132.984	ug/l	98
4) Vinyl Chloride	2.196	62	1399862	140.850	ug/l	99
5) Bromomethane	2.574	94	1105489	141.487	ug/l	98
6) Chloroethane	2.720	64	936104	140.121	ug/l	99
7) Trichlorofluoromethane	3.043	101	1586258	144.141	ug/l	100
8) Diethyl Ether	3.446	74	396737	145.964	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.799	101	693105	137.817	ug/l	99
10) Methyl Iodide	3.995	142	840407	153.482	ug/l	100
11) Tert butyl alcohol	4.854	59	266185	736.208	ug/l	99
12) 1,1-Dichloroethene	3.775	96	705539	143.072	ug/l	99
13) Acrolein	3.647	56	345938	705.591	ug/l	99
14) Allyl chloride	4.373	41	1152496	151.943	ug/l	99
15) Acrylonitrile	5.049	53	846962	746.849	ug/l	99
16) Acetone	3.860	43	636155	618.978	ug/l	93
17) Carbon Disulfide	4.092	76	2289343	143.705	ug/l	99
18) Methyl Acetate	4.373	43	470360	138.195	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	2054163	152.981	ug/l	100
20) Methylene Chloride	4.604	84	800473	123.330	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	840284	149.092	ug/l	97
22) Diisopropyl ether	6.012	45	2598616	154.267	ug/l	99
23) Vinyl Acetate	5.952	43	7328920	787.783	ug/l	98
24) 1,1-Dichloroethane	5.903	63	1504725	147.888	ug/l	100
25) 2-Butanone	6.890	43	1071039	716.025	ug/l	98
26) 2,2-Dichloropropane	6.878	77	1237615	145.107	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	990315	151.215	ug/l	98
28) Bromochloromethane	7.238	49	623792	145.828	ug/l	98
29) Tetrahydrofuran	7.256	42	708429	750.039	ug/l	98
30) Chloroform	7.415	83	1547385	147.656	ug/l	97
31) Cyclohexane	7.695	56	1306948	139.933	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	1349504	149.016	ug/l	99
36) 1,1-Dichloropropene	7.829	75	1122908	151.246	ug/l	99
37) Ethyl Acetate	6.982	43	483616	150.953	ug/l	100
38) Carbon Tetrachloride	7.811	117	1186256	151.429	ug/l	98
39) Methylcyclohexane	9.103	83	1475329	153.554	ug/l	98
40) Benzene	8.073	78	3478622	152.393	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022781.D
 Acq On : 23 Jun 2025 15:31
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 02:48:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	296053	146.477	ug/l	97
42) 1,2-Dichloroethane	8.152	62	946330	151.288	ug/l	100
43) Isopropyl Acetate	8.195	43	1024167	153.810	ug/l	99
44) Trichloroethene	8.860	130	846785	147.752	ug/l	97
45) 1,2-Dichloropropane	9.140	63	814039	152.372	ug/l	99
46) Dibromomethane	9.225	93	458817	151.287	ug/l	99
47) Bromodichloromethane	9.420	83	1203370	153.874	ug/l	100
48) Methyl methacrylate	9.213	41	500939	156.493	ug/l	98
49) 1,4-Dioxane	9.225	88	112563	3141.521	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	2671727	789.580	ug/l	99
52) Toluene	10.164	92	2305726	160.110	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	1142721	162.402	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	1300617	159.417	ug/l	98
55) 1,1,2-Trichloroethane	10.567	97	603625	153.708	ug/l	99
56) Ethyl methacrylate	10.432	69	902735	170.861	ug/l	98
57) 1,3-Dichloropropane	10.713	76	1045814	152.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	2166504	746.984	ug/l	99
59) 2-Hexanone	10.756	43	1801932	783.272	ug/l	97
60) Dibromochloromethane	10.908	129	795480	156.822	ug/l	99
61) 1,2-Dibromoethane	11.012	107	569130	154.871	ug/l	99
64) Tetrachloroethene	10.640	164	970361	141.712	ug/l	98
65) Chlorobenzene	11.438	112	2422303	152.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	840296	155.771	ug/l	99
67) Ethyl Benzene	11.511	91	4388572	156.829	ug/l	98
68) m/p-Xylenes	11.627	106	3439594	317.973	ug/l	98
69) o-Xylene	11.950	106	1664173	163.273	ug/l	98
70) Styrene	11.963	104	2846995	166.754	ug/l	99
71) Bromoform	12.127	173	478356	159.256	ug/l #	99
73) Isopropylbenzene	12.249	105	4185860	152.475	ug/l	99
74) N-amyl acetate	12.066	43	1001716	162.561	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	660490	149.281	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	528364m	135.169	ug/l	
77) Bromobenzene	12.530	156	951688	152.942	ug/l	100
78) n-propylbenzene	12.591	91	4948353	149.293	ug/l	99
79) 2-Chlorotoluene	12.676	91	2829859	151.115	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	3395371	153.210	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	228578	152.383	ug/l	93
82) 4-Chlorotoluene	12.773	91	3004256	152.731	ug/l	100
83) tert-Butylbenzene	12.993	119	3013552	154.188	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	3450572	155.516	ug/l	99
85) sec-Butylbenzene	13.170	105	4391401	149.333	ug/l	98
86) p-Isopropyltoluene	13.286	119	3802837	155.399	ug/l	99
87) 1,3-Dichlorobenzene	13.279	146	1942052	155.399	ug/l	99
88) 1,4-Dichlorobenzene	13.359	146	1855055	149.433	ug/l	99
89) n-Butylbenzene	13.615	91	3459894	150.307	ug/l	98
90) Hexachloroethane	13.871	117	733958	150.586	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	1672579	151.871	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	106711	142.222	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	941295	151.380	ug/l	99
94) Hexachlorobutadiene	15.017	225	472010	134.238	ug/l	99
95) Naphthalene	15.139	128	1842806	163.884	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	809138	150.588	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022781.D
Acq On : 23 Jun 2025 15:31
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 02:54:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 02:48:20 2025
Response via : Initial Calibration

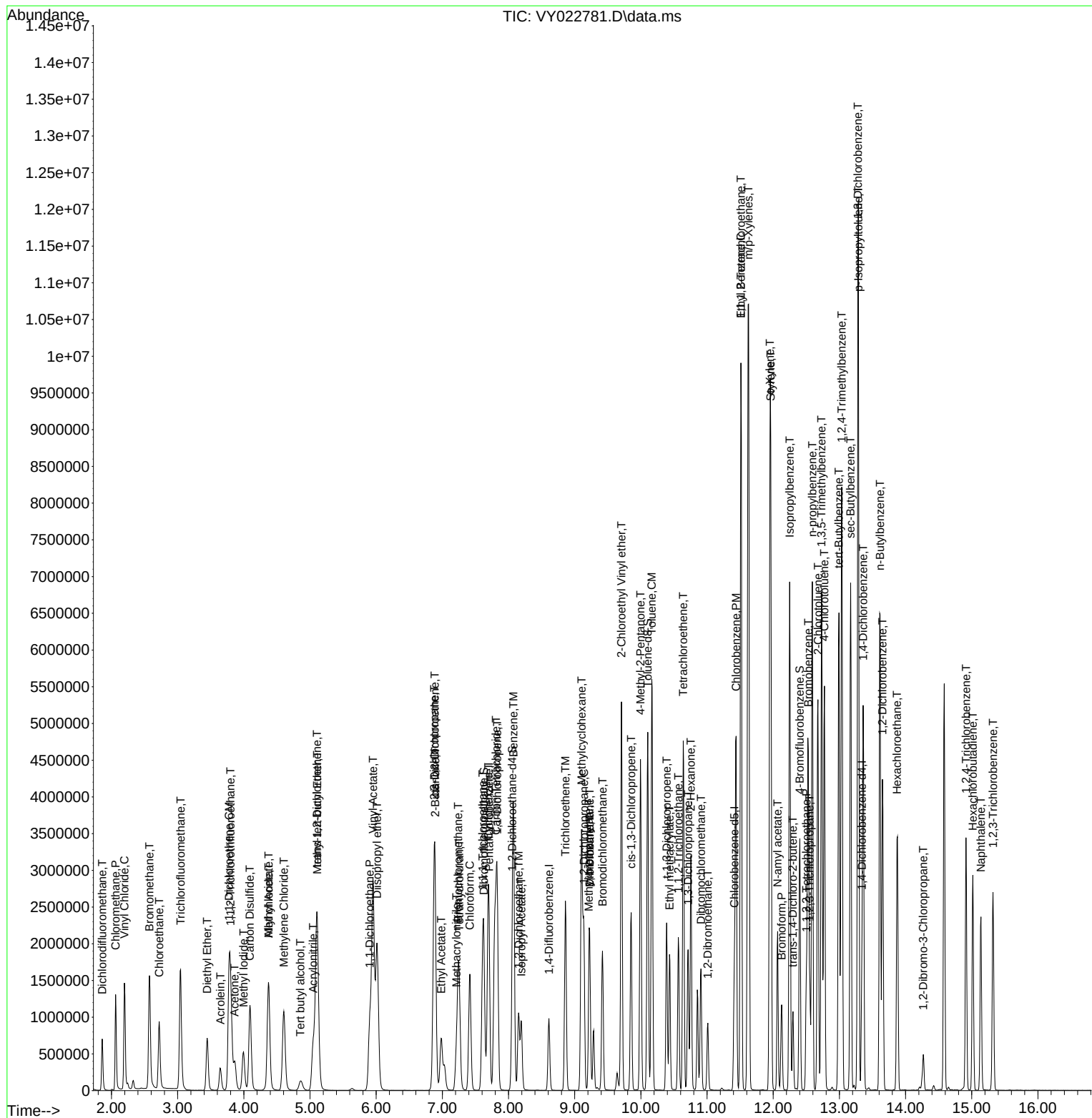
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022783.D
 Acq On : 23 Jun 2025 16:17
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY062325

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.701	168	480076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	806385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	709921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	359311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	268490	50.109	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.220%			
35) Dibromofluoromethane	7.628	113	246693	50.304	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.103	98	968221	49.755	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.401	95	314924	50.342	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	188576	45.936	ug/l	99
3) Chloromethane	2.068	50	383362	48.905	ug/l	97
4) Vinyl Chloride	2.196	62	480207	49.034	ug/l	100
5) Bromomethane	2.586	94	372449	48.375	ug/l	98
6) Chloroethane	2.726	64	317341	48.206	ug/l	98
7) Trichlorofluoromethane	3.043	101	519156	47.875	ug/l	99
8) Diethyl Ether	3.452	74	128819	48.097	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.805	101	234148	47.248	ug/l	98
10) Methyl Iodide	3.994	142	252766	46.847	ug/l	100
11) Tert butyl alcohol	4.860	59	90461	253.906	ug/l #	86
12) 1,1-Dichloroethene	3.781	96	232605	47.868	ug/l	94
13) Acrolein	3.647	56	99713	206.396	ug/l	100
14) Allyl chloride	4.378	41	357454	47.825	ug/l	99
15) Acrylonitrile	5.049	53	278053	248.823	ug/l	99
16) Acetone	3.860	43	217427	214.694	ug/l	95
17) Carbon Disulfide	4.098	76	753545	48.003	ug/l	99
18) Methyl Acetate	4.385	43	169460	50.527	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	652685	49.329	ug/l	99
20) Methylene Chloride	4.610	84	279076	43.635	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	266943	48.066	ug/l	98
22) Diisopropyl ether	6.012	45	800669	48.237	ug/l	93
23) Vinyl Acetate	5.951	43	2264377	247.008	ug/l	99
24) 1,1-Dichloroethane	5.909	63	486998	48.573	ug/l	99
25) 2-Butanone	6.890	43	353339	239.723	ug/l	98
26) 2,2-Dichloropropane	6.878	77	388040	46.171	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	308904	47.867	ug/l	100
28) Bromochloromethane	7.244	49	211120	50.087	ug/l	100
29) Tetrahydrofuran	7.256	42	235186	252.693	ug/l	100
30) Chloroform	7.414	83	500741	48.491	ug/l	97
31) Cyclohexane	7.695	56	422671	45.926	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	431799	48.388	ug/l	99
36) 1,1-Dichloropropene	7.829	75	354829	47.735	ug/l	100
37) Ethyl Acetate	6.982	43	160039	49.894	ug/l	99
38) Carbon Tetrachloride	7.817	117	373583	47.632	ug/l	98
39) Methylcyclohexane	9.103	83	463905	48.226	ug/l	98
40) Benzene	8.073	78	1105593	48.376	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022783.D
 Acq On : 23 Jun 2025 16:17
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY062325

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	106081m	53.720	ug/l	
42) 1,2-Dichloroethane	8.152	62	307548	49.108	ug/l	100
43) Isopropyl Acetate	8.195	43	333219	49.983	ug/l	99
44) Trichloroethene	8.859	130	274874	47.904	ug/l	98
45) 1,2-Dichloropropane	9.140	63	259472	48.510	ug/l	100
46) Dibromomethane	9.231	93	145961	48.070	ug/l	98
47) Bromodichloromethane	9.420	83	382665	48.872	ug/l	99
48) Methyl methacrylate	9.219	41	164362	51.285	ug/l	99
49) 1,4-Dioxane	9.225	88	35276	983.335	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	867628	256.103	ug/l	99
52) Toluene	10.170	92	704960	48.894	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	348211	49.428	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	404721	49.547	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	194151	49.380	ug/l	98
56) Ethyl methacrylate	10.432	69	270067	51.054	ug/l	99
57) 1,3-Dichloropropane	10.713	76	340025	49.568	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	680973	245.249	ug/l	100
59) 2-Hexanone	10.755	43	580425	251.999	ug/l	99
60) Dibromochloromethane	10.908	129	253700	49.955	ug/l	100
61) 1,2-Dibromoethane	11.011	107	181754	49.399	ug/l	99
64) Tetrachloroethene	10.646	164	303522	45.257	ug/l	98
65) Chlorobenzene	11.438	112	750243	48.095	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	253468	47.973	ug/l	99
67) Ethyl Benzene	11.517	91	1351655	49.316	ug/l	100
68) m/p-Xylenes	11.621	106	1043651	98.506	ug/l	100
69) o-Xylene	11.950	106	495462	49.631	ug/l	99
70) Styrene	11.962	104	834381	49.897	ug/l	99
71) Bromoform	12.127	173	142330	48.380	ug/l	99
73) Isopropylbenzene	12.249	105	1264391	47.581	ug/l	100
74) N-amyl acetate	12.066	43	299778	50.258	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	213316	49.808	ug/l	99
76) 1,2,3-Trichloropropane	12.548	75	171584m	46.775	ug/l	
77) Bromobenzene	12.529	156	287890	47.796	ug/l	100
78) n-propylbenzene	12.590	91	1543476	48.108	ug/l	100
79) 2-Chlorotoluene	12.676	91	871527	48.080	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	1052077	49.044	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	66143	45.554	ug/l	99
82) 4-Chlorotoluene	12.773	91	919177	48.276	ug/l	99
83) tert-Butylbenzene	12.993	119	917192	48.481	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	1058356	49.278	ug/l	99
85) sec-Butylbenzene	13.170	105	1377847	48.405	ug/l	100
86) p-Isopropyltoluene	13.285	119	1157677	48.873	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	584110	48.286	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	574913	47.844	ug/l	100
89) n-Butylbenzene	13.615	91	1083397	48.623	ug/l	100
90) Hexachloroethane	13.877	117	228507	48.434	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	512081	48.036	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35693	49.145	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	293980	48.842	ug/l	99
94) Hexachlorobutadiene	15.017	225	157173	46.178	ug/l	98
95) Naphthalene	15.139	128	558879	51.347	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	252267	48.503	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

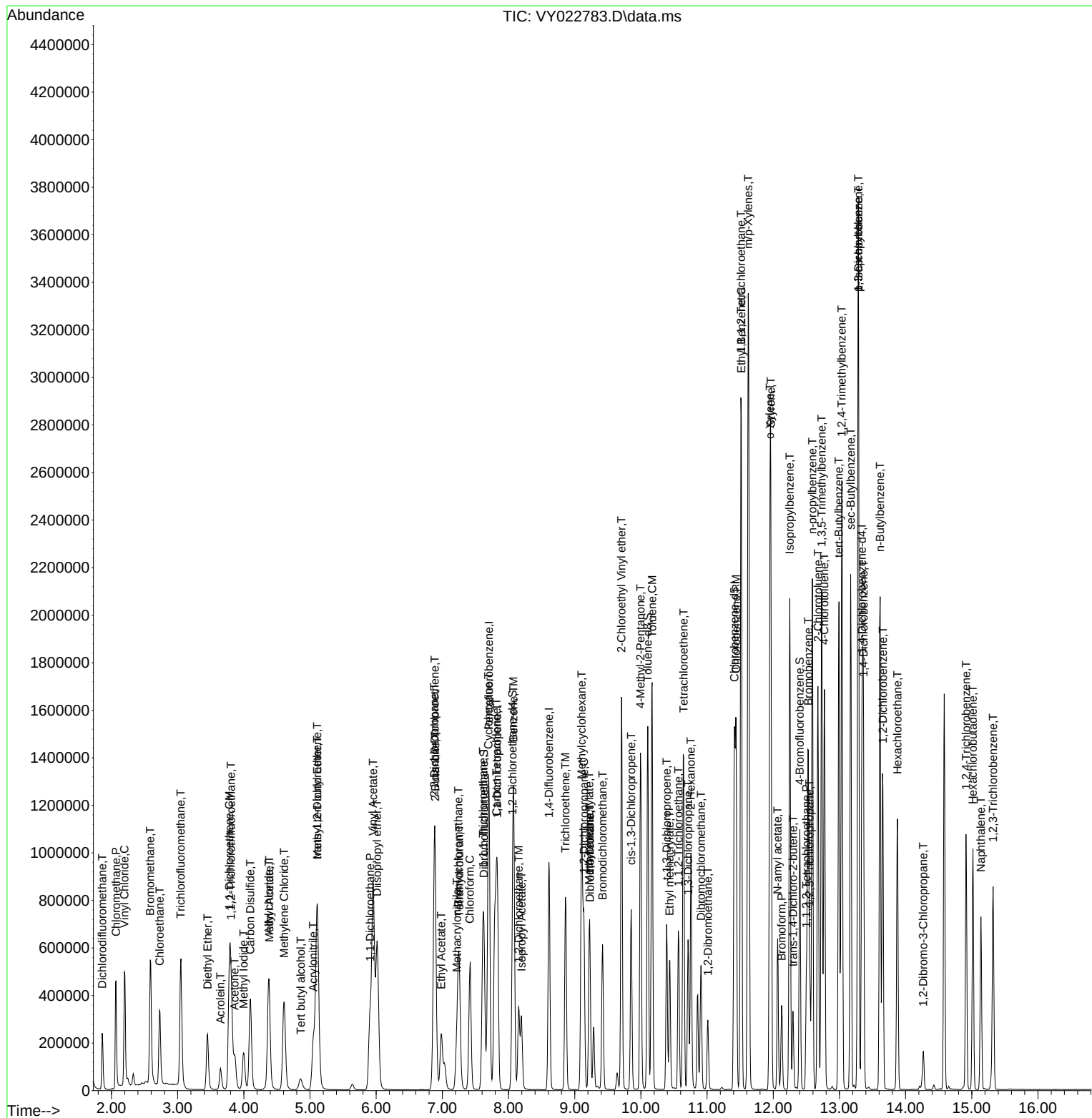
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022783.D
 Acq On : 23 Jun 2025 16:17
 Operator : SY/MD
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 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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Manual Integrations APPROVED

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022783.D
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 Operator : SY/MD
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Quant Time: Jun 24 03:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	103	-0.01
2 T	Dichlorodifluoromethane	0.428	0.393	8.2	95	0.00
3 P	Chloromethane	0.816	0.799	2.1	104	0.00
4 C	Vinyl Chloride	1.020	1.000	2.0#	99	0.00
5 T	Bromomethane	0.802	0.776	3.2	104	-0.01
6 T	Chloroethane	0.686	0.661	3.6	98	-0.01
7 T	Trichlorofluoromethane	1.129	1.081	4.3	96	-0.01
8 T	Diethyl Ether	0.279	0.268	3.9	97	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.516	0.488	5.4	97	-0.01
10 T	Methyl Iodide	0.562	0.527	6.2	87	-0.01
11 T	Tert butyl alcohol	0.037	0.038	-2.7	102	-0.02
12 CM	1,1-Dichloroethene	0.506	0.485	4.2#	97	-0.02
13 T	Acrolein	0.050	0.042	16.0	86	-0.01
14 T	Allyl chloride	0.778	0.745	4.2	96	-0.01
15 T	Acrylonitrile	0.116	0.116	0.0	99	-0.02
16 T	Acetone	0.105	0.091	13.3	98	-0.02
17 T	Carbon Disulfide	1.635	1.570	4.0	97	-0.01
18 T	Methyl Acetate	0.349	0.353	-1.1	104	-0.01
19 T	Methyl tert-butyl Ether	1.378	1.360	1.3	98	-0.02
20 T	Methylene Chloride	0.666	0.581	12.8	101	-0.01
21 T	trans-1,2-Dichloroethene	0.578	0.556	3.8	97	-0.01
22 T	Diisopropyl ether	1.729	1.668	3.5	96	-0.01
23 T	Vinyl Acetate	0.955	0.943	1.3	96	-0.02
24 P	1,1-Dichloroethane	1.044	1.014	2.9	97	-0.01
25 T	2-Butanone	0.154	0.147	4.5	99	-0.01
26 T	2,2-Dichloropropane	0.875	0.808	7.7	94	-0.01
27 T	cis-1,2-Dichloroethene	0.672	0.643	4.3	97	-0.01
28 T	Bromochloromethane	0.439	0.440	-0.2	99	0.00
29 T	Tetrahydrofuran	0.097	0.098	-1.0	99	-0.01
30 C	Chloroform	1.076	1.043	3.1#	98	-0.01
31 T	Cyclohexane	0.959	0.880	8.2	96	-0.01
32 T	1,1,1-Trichloroethane	0.929	0.899	3.2	97	0.00
33 S	1,2-Dichloroethane-d4	0.558	0.559	-0.2	103	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.304	0.306	-0.7	103	-0.01
36 T	1,1-Dichloropropene	0.461	0.440	4.6	96	-0.01
37 T	Ethyl Acetate	0.199	0.198	0.5	99	-0.01
38 T	Carbon Tetrachloride	0.486	0.463	4.7	97	0.00
39 T	Methylcyclohexane	0.596	0.575	3.5	96	-0.01
40 TM	Benzene	1.417	1.371	3.2	96	-0.01
41 T	Methacrylonitrile	0.122	0.132	-8.2	113	-0.01
42 TM	1,2-Dichloroethane	0.388	0.381	1.8	98	-0.01
43 T	Isopropyl Acetate	0.413	0.413	0.0	97	0.00
44 TM	Trichloroethene	0.356	0.341	4.2	94	0.00
45 C	1,2-Dichloropropane	0.332	0.322	3.0#	97	0.00
46 T	Dibromomethane	0.188	0.181	3.7	97	0.00
47 T	Bromodichloromethane	0.485	0.475	2.1	98	0.00
48 T	Methyl methacrylate	0.199	0.204	-2.5	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022783.D
 Acq On : 23 Jun 2025 16:17
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY062325

Quant Time: Jun 24 03:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	97	-0.02
50 S	Toluene-d8	1.207	1.201	0.5	101	0.00
51 T	4-Methyl-2-Pentanone	0.210	0.215	-2.4	98	0.00
52 CM	Toluene	0.894	0.874	2.2#	97	0.00
53 T	t-1,3-Dichloropropene	0.437	0.432	1.1	98	0.00
54 T	cis-1,3-Dichloropropene	0.506	0.502	0.8	98	0.00
55 T	1,1,2-Trichloroethane	0.244	0.241	1.2	98	0.00
56 T	Ethyl methacrylate	0.328	0.335	-2.1	97	-0.01
57 T	1,3-Dichloropropane	0.425	0.422	0.7	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.145	0.169	-16.6	102	0.00
59 T	2-Hexanone	0.143	0.144	-0.7	98	0.00
60 T	Dibromochloromethane	0.315	0.315	0.0	98	0.00
61 T	1,2-Dibromoethane	0.228	0.225	1.3	98	0.00
62 S	4-Bromofluorobenzene	0.388	0.391	-0.8	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64 T	Tetrachloroethene	0.472	0.428	9.3	86	0.00
65 PM	Chlorobenzene	1.099	1.057	3.8	98	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.357	4.0	96	0.00
67 C	Ethyl Benzene	1.930	1.904	1.3#	98	0.00
68 T	m/p-Xylenes	0.746	0.735	1.5	98	-0.01
69 T	o-Xylene	0.703	0.698	0.7	99	0.00
70 T	Styrene	1.178	1.175	0.3	98	0.00
71 P	Bromoform	0.207	0.200	3.4	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.698	3.519	4.8	97	0.00
74 T	N-amyl acetate	0.830	0.834	-0.5	97	0.00
75 P	1,1,2,2-Tetrachloroethane	0.596	0.594	0.3	109	0.00
76 T	1,2,3-Trichloropropane	0.510	0.478	6.3	98	0.00
77 T	Bromobenzene	0.838	0.801	4.4	98	0.00
78 T	n-propylbenzene	4.465	4.296	3.8	98	0.00
79 T	2-Chlorotoluene	2.522	2.426	3.8	98	0.00
80 T	1,3,5-Trimethylbenzene	2.985	2.928	1.9	100	0.00
81 T	trans-1,4-Dichloro-2-butene	0.202	0.184	8.9	97	0.00
82 T	4-Chlorotoluene	2.650	2.558	3.5	99	0.00
83 T	tert-Butylbenzene	2.633	2.553	3.0	98	0.00
84 T	1,2,4-Trimethylbenzene	2.989	2.946	1.4	99	0.00
85 T	sec-Butylbenzene	3.961	3.835	3.2	98	0.00
86 T	p-Isopropyltoluene	3.296	3.222	2.2	98	0.00
87 T	1,3-Dichlorobenzene	1.683	1.626	3.4	99	0.00
88 T	1,4-Dichlorobenzene	1.672	1.600	4.3	99	0.00
89 T	n-Butylbenzene	3.101	3.015	2.8	98	0.00
90 T	Hexachloroethane	0.657	0.636	3.2	98	0.00
91 T	1,2-Dichlorobenzene	1.483	1.425	3.9	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.101	0.099	2.0	100	0.00
93 T	1,2,4-Trichlorobenzene	0.838	0.818	2.4	101	0.00
94 T	Hexachlorobutadiene	0.474	0.437	7.8	98	0.00
95 T	Naphthalene	1.515	1.555	-2.6	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.724	0.702	3.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022783.D
 Acq On : 23 Jun 2025 16:17
 Operator : SY/MD
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 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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 ClientSampleId :
 ICVVY062325

Quant Time: Jun 24 03:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	103	-0.01
2 T	Dichlorodifluoromethane	50.000	45.936	8.1	95	0.00
3 P	Chloromethane	50.000	48.905	2.2	104	0.00
4 C	Vinyl Chloride	50.000	49.034	1.9#	99	0.00
5 T	Bromomethane	50.000	48.375	3.3	104	-0.01
6 T	Chloroethane	50.000	48.206	3.6	98	-0.01
7 T	Trichlorofluoromethane	50.000	47.875	4.3	96	-0.01
8 T	Diethyl Ether	50.000	48.097	3.8	97	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.248	5.5	97	-0.01
10 T	Methyl Iodide	50.000	46.847	6.3	87	-0.01
11 T	Tert butyl alcohol	250.000	253.906	-1.6	102	-0.02
12 CM	1,1-Dichloroethene	50.000	47.868	4.3#	97	-0.02
13 T	Acrolein	250.000	206.396	17.4	86	-0.01
14 T	Allyl chloride	50.000	47.825	4.3	96	-0.01
15 T	Acrylonitrile	250.000	248.823	0.5	99	-0.02
16 T	Acetone	250.000	214.694	14.1	98	-0.02
17 T	Carbon Disulfide	50.000	48.003	4.0	97	-0.01
18 T	Methyl Acetate	50.000	50.527	-1.1	104	-0.01
19 T	Methyl tert-butyl Ether	50.000	49.329	1.3	98	-0.02
20 T	Methylene Chloride	50.000	43.635	12.7	101	-0.01
21 T	trans-1,2-Dichloroethene	50.000	48.066	3.9	97	-0.01
22 T	Diisopropyl ether	50.000	48.237	3.5	96	-0.01
23 T	Vinyl Acetate	250.000	247.008	1.2	96	-0.02
24 P	1,1-Dichloroethane	50.000	48.573	2.9	97	-0.01
25 T	2-Butanone	250.000	239.723	4.1	99	-0.01
26 T	2,2-Dichloropropane	50.000	46.171	7.7	94	-0.01
27 T	cis-1,2-Dichloroethene	50.000	47.867	4.3	97	-0.01
28 T	Bromochloromethane	50.000	50.087	-0.2	99	0.00
29 T	Tetrahydrofuran	250.000	252.693	-1.1	99	-0.01
30 C	Chloroform	50.000	48.491	3.0#	98	-0.01
31 T	Cyclohexane	50.000	45.926	8.1	96	-0.01
32 T	1,1,1-Trichloroethane	50.000	48.388	3.2	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.109	-0.2	103	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	50.304	-0.6	103	-0.01
36 T	1,1-Dichloropropene	50.000	47.735	4.5	96	-0.01
37 T	Ethyl Acetate	50.000	49.894	0.2	99	-0.01
38 T	Carbon Tetrachloride	50.000	47.632	4.7	97	0.00
39 T	Methylcyclohexane	50.000	48.226	3.5	96	-0.01
40 TM	Benzene	50.000	48.376	3.2	96	-0.01
41 T	Methacrylonitrile	50.000	53.720	-7.4	113	-0.01
42 TM	1,2-Dichloroethane	50.000	49.108	1.8	98	-0.01
43 T	Isopropyl Acetate	50.000	49.983	0.0	97	0.00
44 TM	Trichloroethene	50.000	47.904	4.2	94	0.00
45 C	1,2-Dichloropropane	50.000	48.510	3.0#	97	0.00
46 T	Dibromomethane	50.000	48.070	3.9	97	0.00
47 T	Bromodichloromethane	50.000	48.872	2.3	98	0.00
48 T	Methyl methacrylate	50.000	51.285	-2.6	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
 Data File : VY022783.D
 Acq On : 23 Jun 2025 16:17
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY062325

Quant Time: Jun 24 03:36:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 03:08:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	983.335	1.7	97	-0.02
50 S	Toluene-d8	50.000	49.755	0.5	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	256.103	-2.4	98	0.00
52 CM	Toluene	50.000	48.894	2.2#	97	0.00
53 T	t-1,3-Dichloropropene	50.000	49.428	1.1	98	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.547	0.9	98	0.00
55 T	1,1,2-Trichloroethane	50.000	49.380	1.2	98	0.00
56 T	Ethyl methacrylate	50.000	51.054	-2.1	97	-0.01
57 T	1,3-Dichloropropane	50.000	49.568	0.9	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	245.249	1.9	102	0.00
59 T	2-Hexanone	250.000	251.999	-0.8	98	0.00
60 T	Dibromochloromethane	50.000	49.955	0.1	98	0.00
61 T	1,2-Dibromoethane	50.000	49.399	1.2	98	0.00
62 S	4-Bromofluorobenzene	50.000	50.342	-0.7	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64 T	Tetrachloroethene	50.000	45.257	9.5	86	0.00
65 PM	Chlorobenzene	50.000	48.095	3.8	98	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	47.973	4.1	96	0.00
67 C	Ethyl Benzene	50.000	49.316	1.4#	98	0.00
68 T	m/p-Xylenes	100.000	98.506	1.5	98	-0.01
69 T	o-Xylene	50.000	49.631	0.7	99	0.00
70 T	Styrene	50.000	49.897	0.2	98	0.00
71 P	Bromoform	50.000	48.380	3.2	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	47.581	4.8	97	0.00
74 T	N-amyl acetate	50.000	50.258	-0.5	97	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.808	0.4	109	0.00
76 T	1,2,3-Trichloropropane	50.000	46.775	6.5	98	0.00
77 T	Bromobenzene	50.000	47.796	4.4	98	0.00
78 T	n-propylbenzene	50.000	48.108	3.8	98	0.00
79 T	2-Chlorotoluene	50.000	48.080	3.8	98	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.044	1.9	100	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.554	8.9	97	0.00
82 T	4-Chlorotoluene	50.000	48.276	3.4	99	0.00
83 T	tert-Butylbenzene	50.000	48.481	3.0	98	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.278	1.4	99	0.00
85 T	sec-Butylbenzene	50.000	48.405	3.2	98	0.00
86 T	p-Isopropyltoluene	50.000	48.873	2.3	98	0.00
87 T	1,3-Dichlorobenzene	50.000	48.286	3.4	99	0.00
88 T	1,4-Dichlorobenzene	50.000	47.844	4.3	99	0.00
89 T	n-Butylbenzene	50.000	48.623	2.8	98	0.00
90 T	Hexachloroethane	50.000	48.434	3.1	98	0.00
91 T	1,2-Dichlorobenzene	50.000	48.036	3.9	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.145	1.7	100	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.842	2.3	101	0.00
94 T	Hexachlorobutadiene	50.000	46.178	7.6	98	0.00
95 T	Naphthalene	50.000	51.347	-2.7	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022783.D
Acq On : 23 Jun 2025 16:17
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY062325

Quant Time: Jun 24 03:36:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 03:08:29 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.503	3.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>07/09/2025 10:00</u>
Lab File ID:	<u>VW031767.D</u>	Init. Calib. Date(s):	<u>06/30/2025 06/30/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:54 12:55</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.341	0.331		-2.93	20
Chloromethane	0.411	0.384	0.1	-6.57	20
Vinyl Chloride	0.540	0.532		-1.48	20
Bromomethane	0.421	0.386		-8.31	20
Chloroethane	0.367	0.343		-6.54	20
Trichlorofluoromethane	0.490	0.475		-3.06	20
1,1,2-Trichlorotrifluoroethane	0.544	0.529		-2.76	20
1,1-Dichloroethene	0.596	0.593		-0.5	20
Acetone	0.177	0.171		-3.39	20
Carbon Disulfide	1.594	1.557		-2.32	20
Methyl tert-butyl Ether	1.011	1.032		2.08	20
Methyl Acetate	0.507	0.530		4.54	20
Methylene Chloride	0.814	0.724		-11.06	20
trans-1,2-Dichloroethene	0.633	0.619		-2.21	20
1,1-Dichloroethane	1.156	1.146	0.1	-0.87	20
Cyclohexane	1.022	0.962		-5.87	20
2-Butanone	0.231	0.241		4.33	20
Carbon Tetrachloride	0.481	0.516		7.28	20
cis-1,2-Dichloroethene	0.728	0.736		1.1	20
Bromochloromethane	0.510	0.495		-2.94	20
Chloroform	1.228	1.231		0.24	20
1,1,1-Trichloroethane	0.946	0.975		3.07	20
Methylcyclohexane	0.587	0.631		7.5	20
Benzene	1.397	1.463		4.72	20
1,2-Dichloroethane	0.472	0.483		2.33	20
Trichloroethene	0.349	0.365		4.59	20
1,2-Dichloropropane	0.338	0.351		3.85	20
Bromodichloromethane	0.511	0.539		5.48	20
4-Methyl-2-Pentanone	0.295	0.323		9.49	20
Toluene	0.894	0.951		6.38	20
t-1,3-Dichloropropene	0.480	0.527		9.79	20
cis-1,3-Dichloropropene	0.544	0.580		6.62	20
1,1,2-Trichloroethane	0.286	0.298		4.2	20
2-Hexanone	0.200	0.226		13	20
Dibromochloromethane	0.341	0.372		9.09	20
1,2-Dibromoethane	0.286	0.299		4.55	20
Tetrachloroethene	0.327	0.331		1.22	20
Chlorobenzene	1.103	1.179	0.3	6.89	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>07/09/2025</u> <u>10:00</u>
Lab File ID:	<u>VW031767.D</u>	Init. Calib. Date(s):	<u>06/30/2025</u> <u>06/30/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:54</u> <u>12:55</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.913	2.057		7.53	20
m/p-Xylenes	0.735	0.791		7.62	20
o-Xylene	0.681	0.750		10.13	20
Styrene	1.177	1.273		8.16	20
Bromoform	0.210	0.238	0.1	13.33	20
Isopropylbenzene	3.803	4.177		9.83	20
1,1,2,2-Tetrachloroethane	0.844	0.907	0.3	7.46	20
1,3-Dichlorobenzene	1.701	1.802		5.94	20
1,4-Dichlorobenzene	1.741	1.775		1.95	20
1,2-Dichlorobenzene	1.555	1.600		2.89	20
1,2-Dibromo-3-Chloropropane	0.165	0.179		8.48	20
1,2,4-Trichlorobenzene	0.959	1.007		5.01	20
1,2,3-Trichlorobenzene	0.881	1.004		13.96	20
1,2-Dichloroethane-d4	0.718	0.657		-8.5	20
Dibromofluoromethane	0.326	0.327		0.31	20
Toluene-d8	1.214	1.234		1.65	20
4-Bromofluorobenzene	0.447	0.452		1.12	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031767.D
 Acq On : 09 Jul 2025 10:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:20:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	247441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	422710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	377094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162448	45.746	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	91.500%		
35) Dibromofluoromethane	7.898	113	138259	50.123	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	100.240%		
50) Toluene-d8	10.325	98	521437	50.798	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	101.600%		
62) 4-Bromofluorobenzene	12.617	95	191245	50.627	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	101.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	82009	48.665	ug/l	96
3) Chloromethane	2.253	50	94900	46.711	ug/l	99
4) Vinyl Chloride	2.405	62	131529	49.256	ug/l	100
5) Bromomethane	2.826	94	95511	45.792	ug/l	98
6) Chloroethane	2.972	64	84881	46.795	ug/l	95
7) Trichlorofluoromethane	3.307	101	117630	48.505	ug/l	93
8) Diethyl Ether	3.722	74	85568	46.434	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	131015	48.672	ug/l	99
10) Methyl Iodide	4.307	142	202546	48.810	ug/l	99
11) Tert butyl alcohol	5.222	59	53824	244.656	ug/l	97
12) 1,1-Dichloroethene	4.076	96	146786	49.785	ug/l	97
13) Acrolein	3.929	56	64741	163.732	ug/l	99
14) Allyl chloride	4.697	41	223904	49.495	ug/l	99
15) Acrylonitrile	5.399	53	225809	249.182	ug/l	100
16) Acetone	4.161	43	211986	241.521	ug/l	98
17) Carbon Disulfide	4.417	76	385158	48.818	ug/l	99
18) Methyl Acetate	4.704	43	131126	52.273	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	255291	51.014	ug/l	98
20) Methylene Chloride	4.954	84	179218	51.376	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	153141	48.882	ug/l	97
22) Diisopropyl ether	6.337	45	446765	50.638	ug/l	99
23) Vinyl Acetate	6.283	43	1535842	254.857	ug/l	99
24) 1,1-Dichloroethane	6.240	63	283597	49.580	ug/l	99
25) 2-Butanone	7.191	43	298426	261.347	ug/l	98
26) 2,2-Dichloropropane	7.185	77	168949	50.624	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	182084	50.562	ug/l	99
28) Bromochloromethane	7.526	49	122453	48.512	ug/l	97
29) Tetrahydrofuran	7.551	42	201074	257.131	ug/l	99
30) Chloroform	7.691	83	304613	50.117	ug/l	100
31) Cyclohexane	7.965	56	238122	47.095	ug/l	93
32) 1,1,1-Trichloroethane	7.886	97	241191	51.493	ug/l	98
36) 1,1-Dichloropropene	8.093	75	211773	53.056	ug/l	98
37) Ethyl Acetate	7.270	43	130075	51.660	ug/l	99
38) Carbon Tetrachloride	8.081	117	217942	53.582	ug/l	98
39) Methylcyclohexane	9.343	83	266666	53.697	ug/l	97
40) Benzene	8.337	78	618425	52.368	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031767.D
 Acq On : 09 Jul 2025 10:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025

Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:20:31 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 03:35:17 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	77051	57.124	ug/l	98
42) 1,2-Dichloroethane	8.410	62	204035	51.134	ug/l	98
43) Isopropyl Acetate	8.435	43	233944	53.900	ug/l	99
44) Trichloroethene	9.099	130	154468	52.407	ug/l	99
45) 1,2-Dichloropropane	9.373	63	148469	52.019	ug/l	99
46) Dibromomethane	9.465	93	97245	52.775	ug/l	98
47) Bromodichloromethane	9.648	83	228018	52.770	ug/l	99
48) Methyl methacrylate	9.441	41	112627	52.773	ug/l	98
49) 1,4-Dioxane	9.465	88	24483	1134.460	ug/l #	64
51) 4-Methyl-2-Pentanone	10.209	43	682177	273.384	ug/l	99
52) Toluene	10.392	92	401889	53.153	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	222773	54.949	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	245135	53.337	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	125856	52.142	ug/l	96
56) Ethyl methacrylate	10.648	69	182364	55.690	ug/l	97
57) 1,3-Dichloropropane	10.934	76	221086	52.170	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	498195	276.291	ug/l	100
59) 2-Hexanone	10.971	43	478479	282.970	ug/l	99
60) Dibromochloromethane	11.135	129	157206	54.465	ug/l	99
61) 1,2-Dibromoethane	11.233	107	126491	52.348	ug/l	99
64) Tetrachloroethene	10.861	164	124904	50.637	ug/l	96
65) Chlorobenzene	11.654	112	444577	53.435	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	139201	52.503	ug/l	99
67) Ethyl Benzene	11.733	91	775778	53.772	ug/l	98
68) m/p-Xylenes	11.836	106	596862	107.620	ug/l	99
69) o-Xylene	12.166	106	282911	55.094	ug/l	95
70) Styrene	12.178	104	479978	54.068	ug/l	99
71) Bromoform	12.349	173	89905	56.842	ug/l #	99
73) Isopropylbenzene	12.464	105	748062	54.917	ug/l	100
74) N-amyl acetate	12.269	43	205671	56.018	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	162369	53.691	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	124022m	53.592	ug/l	
77) Bromobenzene	12.745	156	166043	54.654	ug/l	87
78) n-propylbenzene	12.800	91	865732	53.075	ug/l	99
79) 2-Chlorotoluene	12.891	91	522222	53.166	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	611949	54.273	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	56716	57.083	ug/l	99
82) 4-Chlorotoluene	12.989	91	551892	53.517	ug/l	99
83) tert-Butylbenzene	13.202	119	531985	55.080	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	621516	54.403	ug/l	99
85) sec-Butylbenzene	13.379	105	792244	54.649	ug/l	100
86) p-Isopropyltoluene	13.495	119	659648	55.212	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	322764	52.975	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	317905	50.977	ug/l	97
89) n-Butylbenzene	13.818	91	630269	54.295	ug/l	99
90) Hexachloroethane	14.086	117	113434	52.627	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	286451	51.439	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	31975	54.150	ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	180373	52.520	ug/l	99
94) Hexachlorobutadiene	15.226	225	90807	54.757	ug/l	92
95) Naphthalene	15.360	128	478905	56.879	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	179854	56.994	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031767.D
Acq On : 09 Jul 2025 10:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:20:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

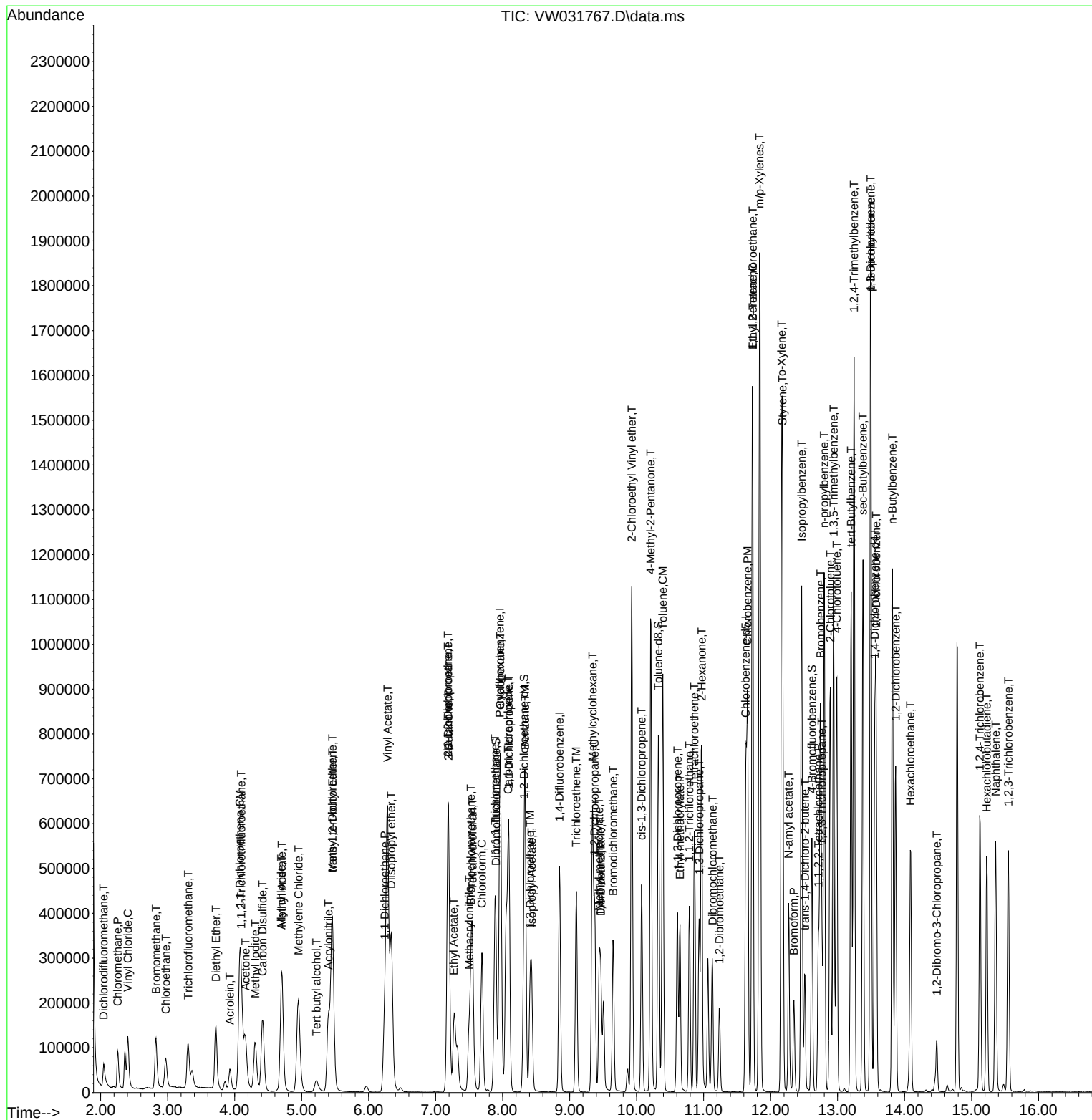
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031767.D
Acq On : 09 Jul 2025 10:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:20:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031767.D
 Acq On : 09 Jul 2025 10:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 10 01:20:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2 T	Dichlorodifluoromethane	0.341	0.331	2.9	118	0.00
3 P	Chloromethane	0.411	0.384	6.6	113	0.00
4 C	Vinyl Chloride	0.540	0.532	1.5#	114	0.00
5 T	Bromomethane	0.421	0.386	8.3	107	0.00
6 T	Chloroethane	0.367	0.343	6.5	109	0.00
7 T	Trichlorofluoromethane	0.490	0.475	3.1	112	0.00
8 T	Diethyl Ether	0.372	0.346	7.0	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.544	0.529	2.8	115	0.00
10 T	Methyl Iodide	0.839	0.819	2.4	111	0.00
11 T	Tert butyl alcohol	0.044	0.044	0.0	103	0.00
12 CM	1,1-Dichloroethene	0.596	0.593	0.5#	118	0.00
13 T	Acrolein	0.080	0.052	35.0#	69	0.00
14 T	Allyl chloride	0.914	0.905	1.0	111	0.00
15 T	Acrylonitrile	0.183	0.183	0.0	105	0.00
16 T	Acetone	0.177	0.171	3.4	116	0.00
17 T	Carbon Disulfide	1.594	1.557	2.3	112	0.00
18 T	Methyl Acetate	0.507	0.530	-4.5	111	0.00
19 T	Methyl tert-butyl Ether	1.011	1.032	-2.1	110	0.00
20 T	Methylene Chloride	0.814	0.724	11.1	115	0.00
21 T	trans-1,2-Dichloroethene	0.633	0.619	2.2	111	0.00
22 T	Diisopropyl ether	1.783	1.806	-1.3	111	0.00
23 T	Vinyl Acetate	1.218	1.241	-1.9	109	0.00
24 P	1,1-Dichloroethane	1.156	1.146	0.9	113	0.00
25 T	2-Butanone	0.231	0.241	-4.3	107	0.00
26 T	2,2-Dichloropropane	0.674	0.683	-1.3	115	0.00
27 T	cis-1,2-Dichloroethene	0.728	0.736	-1.1	113	0.00
28 T	Bromochloromethane	0.510	0.495	2.9	108	0.00
29 T	Tetrahydrofuran	0.158	0.163	-3.2	107	0.00
30 C	Chloroform	1.228	1.231	-0.2#	113	0.00
31 T	Cyclohexane	1.022	0.962	5.9	113	0.00
32 T	1,1,1-Trichloroethane	0.946	0.975	-3.1	116	0.00
33 S	1,2-Dichloroethane-d4	0.718	0.657	8.5	101	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35 S	Dibromofluoromethane	0.326	0.327	-0.3	105	0.00
36 T	1,1-Dichloropropene	0.472	0.501	-6.1	115	0.00
37 T	Ethyl Acetate	0.298	0.308	-3.4	106	0.00
38 T	Carbon Tetrachloride	0.481	0.516	-7.3	117	0.00
39 T	Methylcyclohexane	0.587	0.631	-7.5	116	0.00
40 TM	Benzene	1.397	1.463	-4.7	111	0.00
41 T	Methacrylonitrile	0.160	0.182	-13.7	109	0.00
42 TM	1,2-Dichloroethane	0.472	0.483	-2.3	109	0.00
43 T	Isopropyl Acetate	0.513	0.553	-7.8	108	0.00
44 TM	Trichloroethene	0.349	0.365	-4.6	111	0.00
45 C	1,2-Dichloropropane	0.338	0.351	-3.8#	111	0.00
46 T	Dibromomethane	0.218	0.230	-5.5	110	0.00
47 T	Bromodichloromethane	0.511	0.539	-5.5	110	0.00
48 T	Methyl methacrylate	0.252	0.266	-5.6	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031767.D
 Acq On : 09 Jul 2025 10:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 10 01:20:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.003	0.003	0.0	118	0.00
50 S	Toluene-d8	1.214	1.234	-1.6	107	0.00
51 T	4-Methyl-2-Pentanone	0.295	0.323	-9.5	108	0.00
52 CM	Toluene	0.894	0.951	-6.4#	113	0.00
53 T	t-1,3-Dichloropropene	0.480	0.527	-9.8	111	0.00
54 T	cis-1,3-Dichloropropene	0.544	0.580	-6.6	110	0.00
55 T	1,1,2-Trichloroethane	0.286	0.298	-4.2	109	0.00
56 T	Ethyl methacrylate	0.387	0.431	-11.4	110	0.00
57 T	1,3-Dichloropropane	0.501	0.523	-4.4	111	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.236	-10.8	110	0.00
59 T	2-Hexanone	0.200	0.226	-13.0	108	0.00
60 T	Dibromochloromethane	0.341	0.372	-9.1	110	0.00
61 T	1,2-Dibromoethane	0.286	0.299	-4.5	108	0.00
62 S	4-Bromofluorobenzene	0.447	0.452	-1.1	106	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64 T	Tetrachloroethene	0.327	0.331	-1.2	110	0.00
65 PM	Chlorobenzene	1.103	1.179	-6.9	115	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.369	-4.8	109	0.00
67 C	Ethyl Benzene	1.913	2.057	-7.5#	113	0.00
68 T	m/p-Xylenes	0.735	0.791	-7.6	113	0.00
69 T	o-Xylene	0.681	0.750	-10.1	114	0.00
70 T	Styrene	1.177	1.273	-8.2	109	0.00
71 P	Bromoform	0.210	0.238	-13.3	113	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73 T	Isopropylbenzene	3.803	4.177	-9.8	115	0.00
74 T	N-amyl acetate	1.025	1.148	-12.0	111	0.00
75 P	1,1,2,2-Tetrachloroethane	0.844	0.907	-7.5	110	0.00
76 T	1,2,3-Trichloropropane	0.646	0.693	-7.3	109	0.00
77 T	Bromobenzene	0.848	0.927	-9.3	122	0.00
78 T	n-propylbenzene	4.554	4.834	-6.1	111	0.00
79 T	2-Chlorotoluene	2.743	2.916	-6.3	112	0.00
80 T	1,3,5-Trimethylbenzene	3.148	3.417	-8.5	111	0.00
81 T	trans-1,4-Dichloro-2-butene	0.277	0.317	-14.4	112	0.00
82 T	4-Chlorotoluene	2.879	3.082	-7.1	112	0.00
83 T	tert-Butylbenzene	2.697	2.971	-10.2	117	0.00
84 T	1,2,4-Trimethylbenzene	3.190	3.471	-8.8	114	0.00
85 T	sec-Butylbenzene	4.048	4.424	-9.3	114	0.00
86 T	p-Isopropyltoluene	3.336	3.684	-10.4	116	0.00
87 T	1,3-Dichlorobenzene	1.701	1.802	-5.9	113	0.00
88 T	1,4-Dichlorobenzene	1.741	1.775	-2.0	107	0.00
89 T	n-Butylbenzene	3.241	3.520	-8.6	114	0.00
90 T	Hexachloroethane	0.602	0.633	-5.1	110	0.00
91 T	1,2-Dichlorobenzene	1.555	1.600	-2.9	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.165	0.179	-8.5	110	0.00
93 T	1,2,4-Trichlorobenzene	0.959	1.007	-5.0	111	0.00
94 T	Hexachlorobutadiene	0.463	0.507	-9.5	126	0.00
95 T	Naphthalene	2.351	2.674	-13.7	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031767.D
Acq On : 09 Jul 2025 10:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 10 01:20:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.881	1.004	-14.0	120	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031767.D
 Acq On : 09 Jul 2025 10:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 10 01:20:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2 T	Dichlorodifluoromethane	50.000	48.665	2.7	118	0.00
3 P	Chloromethane	50.000	46.711	6.6	113	0.00
4 C	Vinyl Chloride	50.000	49.256	1.5#	114	0.00
5 T	Bromomethane	50.000	45.792	8.4	107	0.00
6 T	Chloroethane	50.000	46.795	6.4	109	0.00
7 T	Trichlorofluoromethane	50.000	48.505	3.0	112	0.00
8 T	Diethyl Ether	50.000	46.434	7.1	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.672	2.7	115	0.00
10 T	Methyl Iodide	50.000	48.810	2.4	111	0.00
11 T	Tert butyl alcohol	250.000	244.656	2.1	103	0.00
12 CM	1,1-Dichloroethene	50.000	49.785	0.4#	118	0.00
13 T	Acrolein	250.000	163.732	34.5#	69	0.00
14 T	Allyl chloride	50.000	49.495	1.0	111	0.00
15 T	Acrylonitrile	250.000	249.182	0.3	105	0.00
16 T	Acetone	250.000	241.521	3.4	116	0.00
17 T	Carbon Disulfide	50.000	48.818	2.4	112	0.00
18 T	Methyl Acetate	50.000	52.273	-4.5	111	0.00
19 T	Methyl tert-butyl Ether	50.000	51.014	-2.0	110	0.00
20 T	Methylene Chloride	50.000	51.376	-2.8	115	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.882	2.2	111	0.00
22 T	Diisopropyl ether	50.000	50.638	-1.3	111	0.00
23 T	Vinyl Acetate	250.000	254.857	-1.9	109	0.00
24 P	1,1-Dichloroethane	50.000	49.580	0.8	113	0.00
25 T	2-Butanone	250.000	261.347	-4.5	107	0.00
26 T	2,2-Dichloropropane	50.000	50.624	-1.2	115	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.562	-1.1	113	0.00
28 T	Bromochloromethane	50.000	48.512	3.0	108	0.00
29 T	Tetrahydrofuran	250.000	257.131	-2.9	107	0.00
30 C	Chloroform	50.000	50.117	-0.2#	113	0.00
31 T	Cyclohexane	50.000	47.095	5.8	113	0.00
32 T	1,1,1-Trichloroethane	50.000	51.493	-3.0	116	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.746	8.5	101	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35 S	Dibromofluoromethane	50.000	50.123	-0.2	105	0.00
36 T	1,1-Dichloropropene	50.000	53.056	-6.1	115	0.00
37 T	Ethyl Acetate	50.000	51.660	-3.3	106	0.00
38 T	Carbon Tetrachloride	50.000	53.582	-7.2	117	0.00
39 T	Methylcyclohexane	50.000	53.697	-7.4	116	0.00
40 TM	Benzene	50.000	52.368	-4.7	111	0.00
41 T	Methacrylonitrile	50.000	57.124	-14.2	109	0.00
42 TM	1,2-Dichloroethane	50.000	51.134	-2.3	109	0.00
43 T	Isopropyl Acetate	50.000	53.900	-7.8	108	0.00
44 TM	Trichloroethene	50.000	52.407	-4.8	111	0.00
45 C	1,2-Dichloropropane	50.000	52.019	-4.0#	111	0.00
46 T	Dibromomethane	50.000	52.775	-5.5	110	0.00
47 T	Bromodichloromethane	50.000	52.770	-5.5	110	0.00
48 T	Methyl methacrylate	50.000	52.773	-5.5	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031767.D
 Acq On : 09 Jul 2025 10:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 10 01:20:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1134.460	-13.4	118	0.00
50 S	Toluene-d8	50.000	50.798	-1.6	107	0.00
51 T	4-Methyl-2-Pentanone	250.000	273.384	-9.4	108	0.00
52 CM	Toluene	50.000	53.153	-6.3#	113	0.00
53 T	t-1,3-Dichloropropene	50.000	54.949	-9.9	111	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.337	-6.7	110	0.00
55 T	1,1,2-Trichloroethane	50.000	52.142	-4.3	109	0.00
56 T	Ethyl methacrylate	50.000	55.690	-11.4	110	0.00
57 T	1,3-Dichloropropane	50.000	52.170	-4.3	111	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	276.291	-10.5	110	0.00
59 T	2-Hexanone	250.000	282.970	-13.2	108	0.00
60 T	Dibromochloromethane	50.000	54.465	-8.9	110	0.00
61 T	1,2-Dibromoethane	50.000	52.348	-4.7	108	0.00
62 S	4-Bromofluorobenzene	50.000	50.627	-1.3	106	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64 T	Tetrachloroethene	50.000	50.637	-1.3	110	0.00
65 PM	Chlorobenzene	50.000	53.435	-6.9	115	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.503	-5.0	109	0.00
67 C	Ethyl Benzene	50.000	53.772	-7.5#	113	0.00
68 T	m/p-Xylenes	100.000	107.620	-7.6	113	0.00
69 T	o-Xylene	50.000	55.094	-10.2	114	0.00
70 T	Styrene	50.000	54.068	-8.1	109	0.00
71 P	Bromoform	50.000	56.842	-13.7	113	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73 T	Isopropylbenzene	50.000	54.917	-9.8	115	0.00
74 T	N-amyl acetate	50.000	56.018	-12.0	111	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	53.691	-7.4	110	0.00
76 T	1,2,3-Trichloropropane	50.000	53.592	-7.2	109	0.00
77 T	Bromobenzene	50.000	54.654	-9.3	122	0.00
78 T	n-propylbenzene	50.000	53.075	-6.2	111	0.00
79 T	2-Chlorotoluene	50.000	53.166	-6.3	112	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.273	-8.5	111	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	57.083	-14.2	112	0.00
82 T	4-Chlorotoluene	50.000	53.517	-7.0	112	0.00
83 T	tert-Butylbenzene	50.000	55.080	-10.2	117	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.403	-8.8	114	0.00
85 T	sec-Butylbenzene	50.000	54.649	-9.3	114	0.00
86 T	p-Isopropyltoluene	50.000	55.212	-10.4	116	0.00
87 T	1,3-Dichlorobenzene	50.000	52.975	-6.0	113	0.00
88 T	1,4-Dichlorobenzene	50.000	50.977	-2.0	107	0.00
89 T	n-Butylbenzene	50.000	54.295	-8.6	114	0.00
90 T	Hexachloroethane	50.000	52.627	-5.3	110	0.00
91 T	1,2-Dichlorobenzene	50.000	51.439	-2.9	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	54.150	-8.3	110	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.520	-5.0	111	0.00
94 T	Hexachlorobutadiene	50.000	54.757	-9.5	126	0.00
95 T	Naphthalene	50.000	56.879	-13.8	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031767.D
Acq On : 09 Jul 2025 10:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 10 01:20:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	56.994	-14.0	120	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>07/10/2025 08:47</u>
Lab File ID:	<u>VW031791.D</u>	Init. Calib. Date(s):	<u>06/30/2025 06/30/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:54 12:55</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.341	0.332		-2.64	20
Chloromethane	0.411	0.420	0.1	2.19	20
Vinyl Chloride	0.540	0.564		4.44	20
Bromomethane	0.421	0.402		-4.51	20
Chloroethane	0.367	0.366		-0.27	20
Trichlorofluoromethane	0.490	0.492		0.41	20
1,1,2-Trichlorotrifluoroethane	0.544	0.551		1.29	20
1,1-Dichloroethene	0.596	0.602		1.01	20
Acetone	0.177	0.174		-1.7	20
Carbon Disulfide	1.594	1.572		-1.38	20
Methyl tert-butyl Ether	1.011	1.104		9.2	20
Methyl Acetate	0.507	0.519		2.37	20
Methylene Chloride	0.814	0.823		1.11	20
trans-1,2-Dichloroethene	0.633	0.640		1.11	20
1,1-Dichloroethane	1.156	1.209	0.1	4.59	20
Cyclohexane	1.022	1.029		0.69	20
2-Butanone	0.231	0.241		4.33	20
Carbon Tetrachloride	0.481	0.507		5.41	20
cis-1,2-Dichloroethene	0.728	0.766		5.22	20
Bromochloromethane	0.510	0.525		2.94	20
Chloroform	1.228	1.273		3.66	20
1,1,1-Trichloroethane	0.946	0.972		2.75	20
Methylcyclohexane	0.587	0.637		8.52	20
Benzene	1.397	1.483		6.16	20
1,2-Dichloroethane	0.472	0.498		5.51	20
Trichloroethene	0.349	0.349		0	20
1,2-Dichloropropane	0.338	0.363		7.4	20
Bromodichloromethane	0.511	0.559		9.39	20
4-Methyl-2-Pentanone	0.295	0.312		5.76	20
Toluene	0.894	0.967		8.17	20
t-1,3-Dichloropropene	0.480	0.540		12.5	20
cis-1,3-Dichloropropene	0.544	0.610		12.13	20
1,1,2-Trichloroethane	0.286	0.303		5.94	20
2-Hexanone	0.200	0.219		9.5	20
Dibromochloromethane	0.341	0.365		7.04	20
1,2-Dibromoethane	0.286	0.301		5.24	20
Tetrachloroethene	0.327	0.330		0.92	20
Chlorobenzene	1.103	1.194	0.3	8.25	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>07/10/2025 08:47</u>
Lab File ID:	<u>VW031791.D</u>	Init. Calib. Date(s):	<u>06/30/2025 06/30/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:54 12:55</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.913	2.125		11.08	20
m/p-Xylenes	0.735	0.834		13.47	20
o-Xylene	0.681	0.781		14.68	20
Styrene	1.177	1.307		11.05	20
Bromoform	0.210	0.217	0.1	3.33	20
Isopropylbenzene	3.803	4.324		13.7	20
1,1,2,2-Tetrachloroethane	0.844	0.925	0.3	9.6	20
1,3-Dichlorobenzene	1.701	1.790		5.23	20
1,4-Dichlorobenzene	1.741	1.807		3.79	20
1,2-Dichlorobenzene	1.555	1.645		5.79	20
1,2-Dibromo-3-Chloropropane	0.165	0.173		4.85	20
1,2,4-Trichlorobenzene	0.959	1.053		9.8	20
1,2,3-Trichlorobenzene	0.881	0.966		9.65	20
1,2-Dichloroethane-d4	0.718	0.700		-2.51	20
Dibromofluoromethane	0.326	0.329		0.92	20
Toluene-d8	1.214	1.231		1.4	20
4-Bromofluorobenzene	0.447	0.459		2.68	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031791.D
 Acq On : 10 Jul 2025 08:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

07/14/2025
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Jul 11 02:14:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	245114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	431816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	372703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173821	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	171584	48.778	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.560%
35) Dibromofluoromethane	7.898	113	142229	50.475	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.960%
50) Toluene-d8	10.325	98	531723	50.707	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.420%
62) 4-Bromofluorobenzene	12.617	95	197999	51.310	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.620%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.052	85	81335	48.724	ug/l	100
3) Chloromethane	2.259	50	103069	51.214	ug/l	99
4) Vinyl Chloride	2.411	62	138364	52.307	ug/l	97
5) Bromomethane	2.832	94	98437	47.643	ug/l	98
6) Chloroethane	2.972	64	89799	49.977	ug/l	97
7) Trichlorofluoromethane	3.308	101	120660	50.227	ug/l	99
8) Diethyl Ether	3.722	74	91609	50.184	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.112	101	135020	50.636	ug/l	99
10) Methyl Iodide	4.307	142	203278	49.451	ug/l	100
11) Tert butyl alcohol	5.216	59	51199	234.934	ug/l	95
12) 1,1-Dichloroethene	4.082	96	147549	50.519	ug/l	95
13) Acrolein	3.929	56	54976	140.356	ug/l	97
14) Allyl chloride	4.710	41	234241	52.272	ug/l	99
15) Acrylonitrile	5.399	53	219796	244.849	ug/l	100
16) Acetone	4.161	43	213330	245.359	ug/l	98
17) Carbon Disulfide	4.423	76	385360	49.307	ug/l	99
18) Methyl Acetate	4.710	43	127191	51.186	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	270710	54.609	ug/l	99
20) Methylene Chloride	4.954	84	201763	59.333	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	156753	50.510	ug/l	93
22) Diisopropyl ether	6.338	45	487890	55.824	ug/l	98
23) Vinyl Acetate	6.283	43	1595365	267.247	ug/l	100
24) 1,1-Dichloroethane	6.246	63	296292	52.291	ug/l	99
25) 2-Butanone	7.191	43	295099	260.886	ug/l	99
26) 2,2-Dichloropropane	7.185	77	168976	51.113	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	187769	52.636	ug/l	100
28) Bromochloromethane	7.532	49	128678	51.462	ug/l	99
29) Tetrahydrofuran	7.551	42	195918	252.916	ug/l	98
30) Chloroform	7.691	83	312149	51.845	ug/l	99
31) Cyclohexane	7.971	56	252208	50.354	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	238332	51.366	ug/l	99
36) 1,1-Dichloropropene	8.093	75	218825	53.667	ug/l	99
37) Ethyl Acetate	7.270	43	126413	49.147	ug/l	99
38) Carbon Tetrachloride	8.081	117	219039	52.716	ug/l	99
39) Methylcyclohexane	9.343	83	274893	54.187	ug/l	99
40) Benzene	8.337	78	640183	53.067	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031791.D
 Acq On : 10 Jul 2025 08:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

07/14/2025
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Jul 11 02:14:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	74278	53.907	ug/l	96
42) 1,2-Dichloroethane	8.410	62	214834	52.705	ug/l	99
43) Isopropyl Acetate	8.435	43	235257	53.059	ug/l	99
44) Trichloroethene	9.099	130	150522	49.991	ug/l	96
45) 1,2-Dichloropropane	9.374	63	156663	53.733	ug/l	97
46) Dibromomethane	9.465	93	99819	53.029	ug/l	96
47) Bromodichloromethane	9.654	83	241552	54.724	ug/l	97
48) Methyl methacrylate	9.441	41	114242	52.401	ug/l	98
49) 1,4-Dioxane	9.465	88	23364	1059.780	ug/l #	98
51) 4-Methyl-2-Pentanone	10.209	43	674703	264.687	ug/l	100
52) Toluene	10.392	92	417758	54.087	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	232972	56.253	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	263620	56.150	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	130782	53.040	ug/l	97
56) Ethyl methacrylate	10.648	69	191318	57.193	ug/l	98
57) 1,3-Dichloropropane	10.934	76	234750	54.227	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	424465	230.437	ug/l	97
59) 2-Hexanone	10.971	43	473151	273.918	ug/l	99
60) Dibromochloromethane	11.129	129	157563	53.437	ug/l	97
61) 1,2-Dibromoethane	11.239	107	129900	52.626	ug/l	99
64) Tetrachloroethene	10.861	164	123056	50.476	ug/l	92
65) Chlorobenzene	11.660	112	445036	54.120	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	143400	54.724	ug/l	100
67) Ethyl Benzene	11.727	91	791900	55.536	ug/l	99
68) m/p-Xylenes	11.837	106	621844	113.445	ug/l	97
69) o-Xylene	12.166	106	291178	57.372	ug/l	97
70) Styrene	12.178	104	487219	55.530	ug/l	99
71) Bromoform	12.349	173	80971	51.797	ug/l #	99
73) Isopropylbenzene	12.458	105	751622	56.847	ug/l	100
74) N-amyl acetate	12.269	43	213716	59.970	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	160789	54.777	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	118719m	52.852	ug/l	
77) Bromobenzene	12.745	156	162590	55.136	ug/l	91
78) n-propylbenzene	12.800	91	919660	58.086	ug/l	98
79) 2-Chlorotoluene	12.891	91	543574	57.014	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	633002	57.838	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	54744	56.764	ug/l	98
82) 4-Chlorotoluene	12.989	91	560825	56.028	ug/l	98
83) tert-Butylbenzene	13.202	119	541064	57.715	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	635294	57.291	ug/l	99
85) sec-Butylbenzene	13.379	105	815956	57.987	ug/l	98
86) p-Isopropyltoluene	13.495	119	680929	58.717	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	311093	52.604	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	314021	51.878	ug/l	95
89) n-Butylbenzene	13.818	91	650184	57.705	ug/l	100
90) Hexachloroethane	14.092	117	114483	54.720	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	285982	52.908	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.482	75	30074	52.471	ug/l	94
93) 1,2,4-Trichlorobenzene	15.123	180	183110	54.930	ug/l	93
94) Hexachlorobutadiene	15.226	225	88681	55.092	ug/l	92
95) Naphthalene	15.360	128	458410	56.091	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	167959	54.834	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda

07/14/2025
Supervised By :Semsettin
Yesilyurt

07/14/2025

Quant Time: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

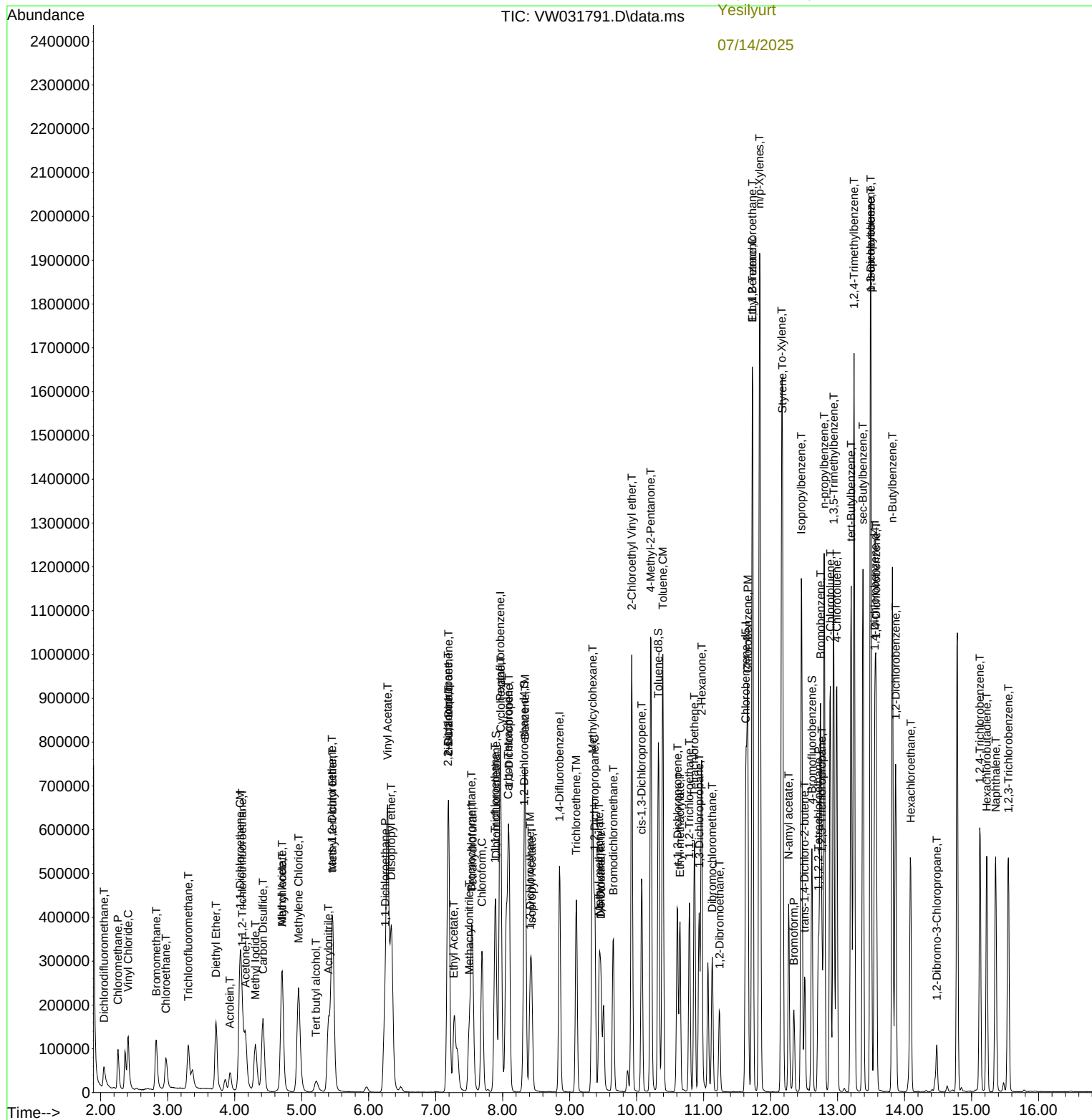
Manual Integrations APPROVED

Reviewed By :Mahesh
Dadoda

07/14/2025
Supervised By :Semsettin
Yesilyurt

07/14/2025

Quant Time: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031791.D
 Acq On : 10 Jul 2025 08:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 11 02:14:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	109	0.00
2 T	Dichlorodifluoromethane	0.341	0.332	2.6	117	0.01
3 P	Chloromethane	0.411	0.420	-2.2	122	0.00
4 C	Vinyl Chloride	0.540	0.564	-4.4#	120	0.00
5 T	Bromomethane	0.421	0.402	4.5	111	0.00
6 T	Chloroethane	0.367	0.366	0.3	115	0.00
7 T	Trichlorofluoromethane	0.490	0.492	-0.4	115	0.00
8 T	Diethyl Ether	0.372	0.374	-0.5	115	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.544	0.551	-1.3	118	0.00
10 T	Methyl Iodide	0.839	0.829	1.2	111	0.00
11 T	Tert butyl alcohol	0.044	0.042	4.5	98	0.00
12 CM	1,1-Dichloroethene	0.596	0.602	-1.0#	118	0.00
13 T	Acrolein	0.080	0.045	43.8#	59	0.00
14 T	Allyl chloride	0.914	0.956	-4.6	117	0.00
15 T	Acrylonitrile	0.183	0.179	2.2	102	0.00
16 T	Acetone	0.177	0.174	1.7	117	0.00
17 T	Carbon Disulfide	1.594	1.572	1.4	112	0.00
18 T	Methyl Acetate	0.507	0.519	-2.4	107	0.00
19 T	Methyl tert-butyl Ether	1.011	1.104	-9.2	117	0.00
20 T	Methylene Chloride	0.814	0.823	-1.1	130	0.00
21 T	trans-1,2-Dichloroethene	0.633	0.640	-1.1	114	0.00
22 T	Diisopropyl ether	1.783	1.990	-11.6	121	0.00
23 T	Vinyl Acetate	1.218	1.302	-6.9	113	0.00
24 P	1,1-Dichloroethane	1.156	1.209	-4.6	118	0.00
25 T	2-Butanone	0.231	0.241	-4.3	106	0.00
26 T	2,2-Dichloropropane	0.674	0.689	-2.2	115	0.00
27 T	cis-1,2-Dichloroethene	0.728	0.766	-5.2	117	0.00
28 T	Bromochloromethane	0.510	0.525	-2.9	114	0.00
29 T	Tetrahydrofuran	0.158	0.160	-1.3	104	0.00
30 C	Chloroform	1.228	1.273	-3.7#	115	0.00
31 T	Cyclohexane	1.022	1.029	-0.7	120	0.00
32 T	1,1,1-Trichloroethane	0.946	0.972	-2.7	115	0.00
33 S	1,2-Dichloroethane-d4	0.718	0.700	2.5	107	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35 S	Dibromofluoromethane	0.326	0.329	-0.9	108	0.00
36 T	1,1-Dichloropropene	0.472	0.507	-7.4	119	0.00
37 T	Ethyl Acetate	0.298	0.293	1.7	103	0.00
38 T	Carbon Tetrachloride	0.481	0.507	-5.4	117	0.00
39 T	Methylcyclohexane	0.587	0.637	-8.5	120	0.00
40 TM	Benzene	1.397	1.483	-6.2	115	0.00
41 T	Methacrylonitrile	0.160	0.172	-7.5	105	0.00
42 TM	1,2-Dichloroethane	0.472	0.498	-5.5	114	0.00
43 T	Isopropyl Acetate	0.513	0.545	-6.2	109	0.00
44 TM	Trichloroethene	0.349	0.349	0.0	108	0.00
45 C	1,2-Dichloropropane	0.338	0.363	-7.4#	117	0.00
46 T	Dibromomethane	0.218	0.231	-6.0	113	0.00
47 T	Bromodichloromethane	0.511	0.559	-9.4	117	0.00
48 T	Methyl methacrylate	0.252	0.265	-5.2	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031791.D
 Acq On : 10 Jul 2025 08:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 11 02:14:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.003	0.003	0.0	113	0.00
50 S	Toluene-d8	1.214	1.231	-1.4	109	0.00
51 T	4-Methyl-2-Pentanone	0.295	0.312	-5.8	107	0.00
52 CM	Toluene	0.894	0.967	-8.2#	118	0.00
53 T	t-1,3-Dichloropropene	0.480	0.540	-12.5	116	0.00
54 T	cis-1,3-Dichloropropene	0.544	0.610	-12.1	119	0.00
55 T	1,1,2-Trichloroethane	0.286	0.303	-5.9	113	0.00
56 T	Ethyl methacrylate	0.387	0.443	-14.5	115	0.00
57 T	1,3-Dichloropropane	0.501	0.544	-8.6	118	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.197	7.5	93	0.00
59 T	2-Hexanone	0.200	0.219	-9.5	107	0.00
60 T	Dibromochloromethane	0.341	0.365	-7.0	110	0.00
61 T	1,2-Dibromoethane	0.286	0.301	-5.2	111	0.00
62 S	4-Bromofluorobenzene	0.447	0.459	-2.7	109	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64 T	Tetrachloroethene	0.327	0.330	-0.9	108	0.00
65 PM	Chlorobenzene	1.103	1.194	-8.3	115	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.385	-9.4	113	0.00
67 C	Ethyl Benzene	1.913	2.125	-11.1#	116	0.00
68 T	m/p-Xylenes	0.735	0.834	-13.5	118	0.00
69 T	o-Xylene	0.681	0.781	-14.7	117	0.00
70 T	Styrene	1.177	1.307	-11.0	111	0.00
71 P	Bromoform	0.210	0.217	-3.3	102	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	3.803	4.324	-13.7	116	0.00
74 T	N-amyl acetate	1.025	1.230	-20.0	115	0.00
75 P	1,1,2,2-Tetrachloroethane	0.844	0.925	-9.6	109	0.00
76 T	1,2,3-Trichloropropane	0.646	0.683	-5.7	104	0.00
77 T	Bromobenzene	0.848	0.935	-10.3	119	0.00
78 T	n-propylbenzene	4.554	5.291	-16.2	118	0.00
79 T	2-Chlorotoluene	2.743	3.127	-14.0	116	0.00
80 T	1,3,5-Trimethylbenzene	3.148	3.642	-15.7	115	0.00
81 T	trans-1,4-Dichloro-2-butene	0.277	0.315	-13.7	108	0.00
82 T	4-Chlorotoluene	2.879	3.226	-12.1	114	0.00
83 T	tert-Butylbenzene	2.697	3.113	-15.4	119	0.00
84 T	1,2,4-Trimethylbenzene	3.190	3.655	-14.6	117	0.00
85 T	sec-Butylbenzene	4.048	4.694	-16.0	117	0.00
86 T	p-Isopropyltoluene	3.336	3.917	-17.4	119	0.00
87 T	1,3-Dichlorobenzene	1.701	1.790	-5.2	109	0.00
88 T	1,4-Dichlorobenzene	1.741	1.807	-3.8	106	0.00
89 T	n-Butylbenzene	3.241	3.741	-15.4	117	0.00
90 T	Hexachloroethane	0.602	0.659	-9.5	111	0.00
91 T	1,2-Dichlorobenzene	1.555	1.645	-5.8	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.165	0.173	-4.8	104	0.00
93 T	1,2,4-Trichlorobenzene	0.959	1.053	-9.8	113	0.00
94 T	Hexachlorobutadiene	0.463	0.510	-10.2	123	0.00
95 T	Naphthalene	2.351	2.637	-12.2	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.881	0.966	-9.6	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031791.D
 Acq On : 10 Jul 2025 08:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 11 02:14:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	109	0.00
2 T	Dichlorodifluoromethane	50.000	48.724	2.6	117	0.01
3 P	Chloromethane	50.000	51.214	-2.4	122	0.00
4 C	Vinyl Chloride	50.000	52.307	-4.6#	120	0.00
5 T	Bromomethane	50.000	47.643	4.7	111	0.00
6 T	Chloroethane	50.000	49.977	0.0	115	0.00
7 T	Trichlorofluoromethane	50.000	50.227	-0.5	115	0.00
8 T	Diethyl Ether	50.000	50.184	-0.4	115	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.636	-1.3	118	0.00
10 T	Methyl Iodide	50.000	49.451	1.1	111	0.00
11 T	Tert butyl alcohol	250.000	234.934	6.0	98	0.00
12 CM	1,1-Dichloroethene	50.000	50.519	-1.0#	118	0.00
13 T	Acrolein	250.000	140.356	43.9#	59	0.00
14 T	Allyl chloride	50.000	52.272	-4.5	117	0.00
15 T	Acrylonitrile	250.000	244.849	2.1	102	0.00
16 T	Acetone	250.000	245.359	1.9	117	0.00
17 T	Carbon Disulfide	50.000	49.307	1.4	112	0.00
18 T	Methyl Acetate	50.000	51.186	-2.4	107	0.00
19 T	Methyl tert-butyl Ether	50.000	54.609	-9.2	117	0.00
20 T	Methylene Chloride	50.000	59.333	-18.7	130	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.510	-1.0	114	0.00
22 T	Diisopropyl ether	50.000	55.824	-11.6	121	0.00
23 T	Vinyl Acetate	250.000	267.247	-6.9	113	0.00
24 P	1,1-Dichloroethane	50.000	52.291	-4.6	118	0.00
25 T	2-Butanone	250.000	260.886	-4.4	106	0.00
26 T	2,2-Dichloropropane	50.000	51.113	-2.2	115	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.636	-5.3	117	0.00
28 T	Bromochloromethane	50.000	51.462	-2.9	114	0.00
29 T	Tetrahydrofuran	250.000	252.916	-1.2	104	0.00
30 C	Chloroform	50.000	51.845	-3.7#	115	0.00
31 T	Cyclohexane	50.000	50.354	-0.7	120	0.00
32 T	1,1,1-Trichloroethane	50.000	51.366	-2.7	115	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.778	2.4	107	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35 S	Dibromofluoromethane	50.000	50.475	-1.0	108	0.00
36 T	1,1-Dichloropropene	50.000	53.667	-7.3	119	0.00
37 T	Ethyl Acetate	50.000	49.147	1.7	103	0.00
38 T	Carbon Tetrachloride	50.000	52.716	-5.4	117	0.00
39 T	Methylcyclohexane	50.000	54.187	-8.4	120	0.00
40 TM	Benzene	50.000	53.067	-6.1	115	0.00
41 T	Methacrylonitrile	50.000	53.907	-7.8	105	0.00
42 TM	1,2-Dichloroethane	50.000	52.705	-5.4	114	0.00
43 T	Isopropyl Acetate	50.000	53.059	-6.1	109	0.00
44 TM	Trichloroethene	50.000	49.991	0.0	108	0.00
45 C	1,2-Dichloropropane	50.000	53.733	-7.5#	117	0.00
46 T	Dibromomethane	50.000	53.029	-6.1	113	0.00
47 T	Bromodichloromethane	50.000	54.724	-9.4	117	0.00
48 T	Methyl methacrylate	50.000	52.401	-4.8	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031791.D
 Acq On : 10 Jul 2025 08:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 11 02:14:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1059.780	-6.0	113	0.00
50 S	Toluene-d8	50.000	50.707	-1.4	109	0.00
51 T	4-Methyl-2-Pentanone	250.000	264.687	-5.9	107	0.00
52 CM	Toluene	50.000	54.087	-8.2#	118	0.00
53 T	t-1,3-Dichloropropene	50.000	56.253	-12.5	116	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.150	-12.3	119	0.00
55 T	1,1,2-Trichloroethane	50.000	53.040	-6.1	113	0.00
56 T	Ethyl methacrylate	50.000	57.193	-14.4	115	0.00
57 T	1,3-Dichloropropane	50.000	54.227	-8.5	118	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	230.437	7.8	93	0.00
59 T	2-Hexanone	250.000	273.918	-9.6	107	0.00
60 T	Dibromochloromethane	50.000	53.437	-6.9	110	0.00
61 T	1,2-Dibromoethane	50.000	52.626	-5.3	111	0.00
62 S	4-Bromofluorobenzene	50.000	51.310	-2.6	109	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64 T	Tetrachloroethene	50.000	50.476	-1.0	108	0.00
65 PM	Chlorobenzene	50.000	54.120	-8.2	115	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.724	-9.4	113	0.00
67 C	Ethyl Benzene	50.000	55.536	-11.1#	116	0.00
68 T	m/p-Xylenes	100.000	113.445	-13.4	118	0.00
69 T	o-Xylene	50.000	57.372	-14.7	117	0.00
70 T	Styrene	50.000	55.530	-11.1	111	0.00
71 P	Bromoform	50.000	51.797	-3.6	102	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	56.847	-13.7	116	0.00
74 T	N-amyl acetate	50.000	59.970	-19.9	115	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.777	-9.6	109	0.00
76 T	1,2,3-Trichloropropane	50.000	52.852	-5.7	104	0.00
77 T	Bromobenzene	50.000	55.136	-10.3	119	0.00
78 T	n-propylbenzene	50.000	58.086	-16.2	118	0.00
79 T	2-Chlorotoluene	50.000	57.014	-14.0	116	0.00
80 T	1,3,5-Trimethylbenzene	50.000	57.838	-15.7	115	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	56.764	-13.5	108	0.00
82 T	4-Chlorotoluene	50.000	56.028	-12.1	114	0.00
83 T	tert-Butylbenzene	50.000	57.715	-15.4	119	0.00
84 T	1,2,4-Trimethylbenzene	50.000	57.291	-14.6	117	0.00
85 T	sec-Butylbenzene	50.000	57.987	-16.0	117	0.00
86 T	p-Isopropyltoluene	50.000	58.717	-17.4	119	0.00
87 T	1,3-Dichlorobenzene	50.000	52.604	-5.2	109	0.00
88 T	1,4-Dichlorobenzene	50.000	51.878	-3.8	106	0.00
89 T	n-Butylbenzene	50.000	57.705	-15.4	117	0.00
90 T	Hexachloroethane	50.000	54.720	-9.4	111	0.00
91 T	1,2-Dichlorobenzene	50.000	52.908	-5.8	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.471	-4.9	104	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.930	-9.9	113	0.00
94 T	Hexachlorobutadiene	50.000	55.092	-10.2	123	0.00
95 T	Naphthalene	50.000	56.091	-12.2	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.834	-9.7	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>07/10/2025 09:54</u>
Lab File ID:	<u>VX046933.D</u>	Init. Calib. Date(s):	<u>07/02/2025 07/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:11 14:31</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.478	0.491		2.72	20
Chloromethane	0.522	0.530	0.1	1.53	20
Vinyl Chloride	0.569	0.575		1.05	20
Bromomethane	0.366	0.384		4.92	20
Chloroethane	0.376	0.378		0.53	20
Trichlorofluoromethane	0.880	0.925		5.11	20
1,1,2-Trichlorotrifluoroethane	0.561	0.602		7.31	20
1,1-Dichloroethene	0.542	0.561		3.51	20
Acetone	0.205	0.237		15.61	20
Carbon Disulfide	1.422	1.331		-6.4	20
Methyl tert-butyl Ether	1.531	1.789		16.85	20
Methyl Acetate	0.541	0.697		28.83	20
Methylene Chloride	0.607	0.664		9.39	20
trans-1,2-Dichloroethene	0.555	0.582		4.86	20
1,1-Dichloroethane	1.064	1.156	0.1	8.65	20
Cyclohexane	0.944	0.949		0.53	20
2-Butanone	0.274	0.323		17.88	20
Carbon Tetrachloride	0.484	0.514		6.2	20
cis-1,2-Dichloroethene	0.677	0.724		6.94	20
Bromochloromethane	0.525	0.563		7.24	20
Chloroform	1.087	1.184		8.92	20
1,1,1-Trichloroethane	0.908	0.966		6.39	20
Methylcyclohexane	0.573	0.572		-0.17	20
Benzene	1.385	1.459		5.34	20
1,2-Dichloroethane	0.470	0.518		10.21	20
Trichloroethene	0.361	0.366		1.38	20
1,2-Dichloropropane	0.350	0.379		8.29	20
Bromodichloromethane	0.518	0.576		11.2	20
4-Methyl-2-Pentanone	0.353	0.415		17.56	20
Toluene	0.858	0.906		5.59	20
t-1,3-Dichloropropene	0.462	0.530		14.72	20
cis-1,3-Dichloropropene	0.527	0.594		12.71	20
1,1,2-Trichloroethane	0.320	0.359		12.19	20
2-Hexanone	0.234	0.282		20.51	20
Dibromochloromethane	0.383	0.429		12.01	20
1,2-Dibromoethane	0.321	0.361		12.46	20
Tetrachloroethene	0.333	0.343		3	20
Chlorobenzene	1.081	1.156	0.3	6.94	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>07/10/2025 09:54</u>
Lab File ID:	<u>VX046933.D</u>	Init. Calib. Date(s):	<u>07/02/2025 07/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:11 14:31</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.851	1.991		7.56	20
m/p-Xylenes	0.698	0.748		7.16	20
o-Xylene	0.674	0.731		8.46	20
Styrene	1.153	1.280		11.02	20
Bromoform	0.270	0.310	0.1	14.81	20
Isopropylbenzene	3.515	3.800		8.11	20
1,1,2,2-Tetrachloroethane	0.966	1.071	0.3	10.87	20
1,3-Dichlorobenzene	1.637	1.724		5.32	20
1,4-Dichlorobenzene	1.704	1.741		2.17	20
1,2-Dichlorobenzene	1.587	1.671		5.29	20
1,2-Dibromo-3-Chloropropane	0.169	0.191		13.02	20
1,2,4-Trichlorobenzene	1.078	1.137		5.47	20
1,2,3-Trichlorobenzene	1.019	1.098		7.75	20
1,2-Dichloroethane-d4	0.661	0.672		1.66	20
Dibromofluoromethane	0.339	0.344		1.48	20
Toluene-d8	1.197	1.173		-2.01	20
4-Bromofluorobenzene	0.455	0.452		-0.66	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046933.D
 Acq On : 10 Jul 2025 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 07:53:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	309661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	506196	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	449744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231018	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	208244	50.904	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.800%
35) Dibromofluoromethane	5.391	113	174249	50.712	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.420%
50) Toluene-d8	8.646	98	593543	48.959	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.920%
62) 4-Bromofluorobenzene	11.079	95	228990	49.699	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.184	85	151949	51.309	ug/l	99
3) Chloromethane	1.306	50	164098	50.717	ug/l	95
4) Vinyl Chloride	1.386	62	177948	50.503	ug/l	97
5) Bromomethane	1.623	94	118796	52.473	ug/l	100
6) Chloroethane	1.703	64	116983	50.280	ug/l	98
7) Trichlorofluoromethane	1.904	101	286380	52.565	ug/l	99
8) Diethyl Ether	2.142	74	107924	55.664	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	186453	53.708	ug/l	100
10) Methyl Iodide	2.465	142	206546	54.611	ug/l	99
11) Tert butyl alcohol	2.952	59	81303	303.026	ug/l	100
12) 1,1-Dichloroethene	2.337	96	173641	51.712	ug/l	98
13) Acrolein	2.245	56	86467	291.173	ug/l	100
14) Allyl chloride	2.678	41	322811	53.998	ug/l	99
15) Acrylonitrile	3.068	53	449828	289.980	ug/l	99
16) Acetone	2.385	43	366304	288.263	ug/l	100
17) Carbon Disulfide	2.526	76	412212	46.811	ug/l	100
18) Methyl Acetate	2.709	43	215920	64.467	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	553871	58.411	ug/l	99
20) Methylene Chloride	2.800	84	205618	54.721	ug/l	99
21) trans-1,2-Dichloroethene	3.099	96	180079	52.410	ug/l	97
22) Diisopropyl ether	3.763	45	670716	58.072	ug/l	96
23) Vinyl Acetate	3.727	43	2477454	286.319	ug/l	100
24) 1,1-Dichloroethane	3.617	63	357940	54.341	ug/l	99
25) 2-Butanone	4.550	43	500177	295.023	ug/l	99
26) 2,2-Dichloropropane	4.483	77	260044	53.046	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	224062	53.411	ug/l	100
28) Bromochloromethane	4.903	49	174450	53.663	ug/l	98
29) Tetrahydrofuran	5.001	42	319193	295.346	ug/l	99
30) Chloroform	5.098	83	366588	54.475	ug/l	99
31) Cyclohexane	5.476	56	293928	50.264	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	299014	53.185	ug/l	99
36) 1,1-Dichloropropene	5.702	75	233003	50.259	ug/l	98
37) Ethyl Acetate	4.714	43	204824	51.873	ug/l	99
38) Carbon Tetrachloride	5.677	117	260404	53.130	ug/l	98
39) Methylcyclohexane	7.378	83	289659	49.948	ug/l	98
40) Benzene	6.037	78	738545	52.669	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046933.D
 Acq On : 10 Jul 2025 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 07:53:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	131689	62.520	ug/l	96
42) 1,2-Dichloroethane	6.086	62	262211	55.069	ug/l	99
43) Isopropyl Acetate	6.336	43	354544	58.622	ug/l	100
44) Trichloroethene	7.122	130	185363	50.782	ug/l	96
45) 1,2-Dichloropropane	7.427	63	191861	54.156	ug/l	97
46) Dibromomethane	7.580	93	133790	54.505	ug/l	100
47) Bromodichloromethane	7.817	83	291450	55.607	ug/l	99
48) Methyl methacrylate	7.689	41	183752	58.841	ug/l	98
49) 1,4-Dioxane	7.659	88	45551	1258.852	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	1050082	294.193	ug/l	100
52) Toluene	8.714	92	458577	52.775	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	268066	57.309	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	300493	56.281	ug/l	97
55) 1,1,2-Trichloroethane	9.146	97	181961	56.221	ug/l	98
56) Ethyl methacrylate	9.116	69	261996	58.487	ug/l	99
57) 1,3-Dichloropropane	9.305	76	307072	55.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	750523	297.352	ug/l	99
59) 2-Hexanone	9.427	43	714728	301.884	ug/l	99
60) Dibromochloromethane	9.518	129	217275	56.096	ug/l	98
61) 1,2-Dibromoethane	9.610	107	182626	56.184	ug/l	100
64) Tetrachloroethene	9.274	164	154054	51.447	ug/l	91
65) Chlorobenzene	10.079	112	519904	53.468	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	182763	55.912	ug/l	100
67) Ethyl Benzene	10.189	91	895395	53.771	ug/l	99
68) m/p-Xylenes	10.299	106	673223	107.290	ug/l	99
69) o-Xylene	10.640	106	328951	54.271	ug/l	99
70) Styrene	10.652	104	575709	55.516	ug/l	100
71) Bromoform	10.799	173	139236	57.288	ug/l #	97
73) Isopropylbenzene	10.957	105	877918	54.059	ug/l	99
74) N-amyl acetate	10.841	43	314316	56.957	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	247309	55.381	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	196306m	54.995	ug/l	
77) Bromobenzene	11.195	156	214087	52.925	ug/l	98
78) n-propylbenzene	11.298	91	1034484	52.828	ug/l	99
79) 2-Chlorotoluene	11.359	91	601179	51.994	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	711235	53.899	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	73354	55.146	ug/l	97
82) 4-Chlorotoluene	11.451	91	713998	53.511	ug/l	100
83) tert-Butylbenzene	11.713	119	732365	53.736	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	714758	53.589	ug/l	97
85) sec-Butylbenzene	11.890	105	903499	52.579	ug/l	100
86) p-Isopropyltoluene	12.006	119	757887	52.668	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	398386	52.660	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	402250	51.089	ug/l	100
89) n-Butylbenzene	12.329	91	710200	52.526	ug/l	100
90) Hexachloroethane	12.536	117	135916	53.280	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	386093	52.664	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	44132	56.504	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	262781	52.762	ug/l	99
94) Hexachlorobutadiene	13.725	225	95431	50.808	ug/l	99
95) Naphthalene	13.774	128	748433	57.028	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	253738	53.919	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046933.D
 Acq On : 10 Jul 2025 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By : John Carlone 07/11/2025

Supervised By : Mahesh Dadoda 07/14/2025

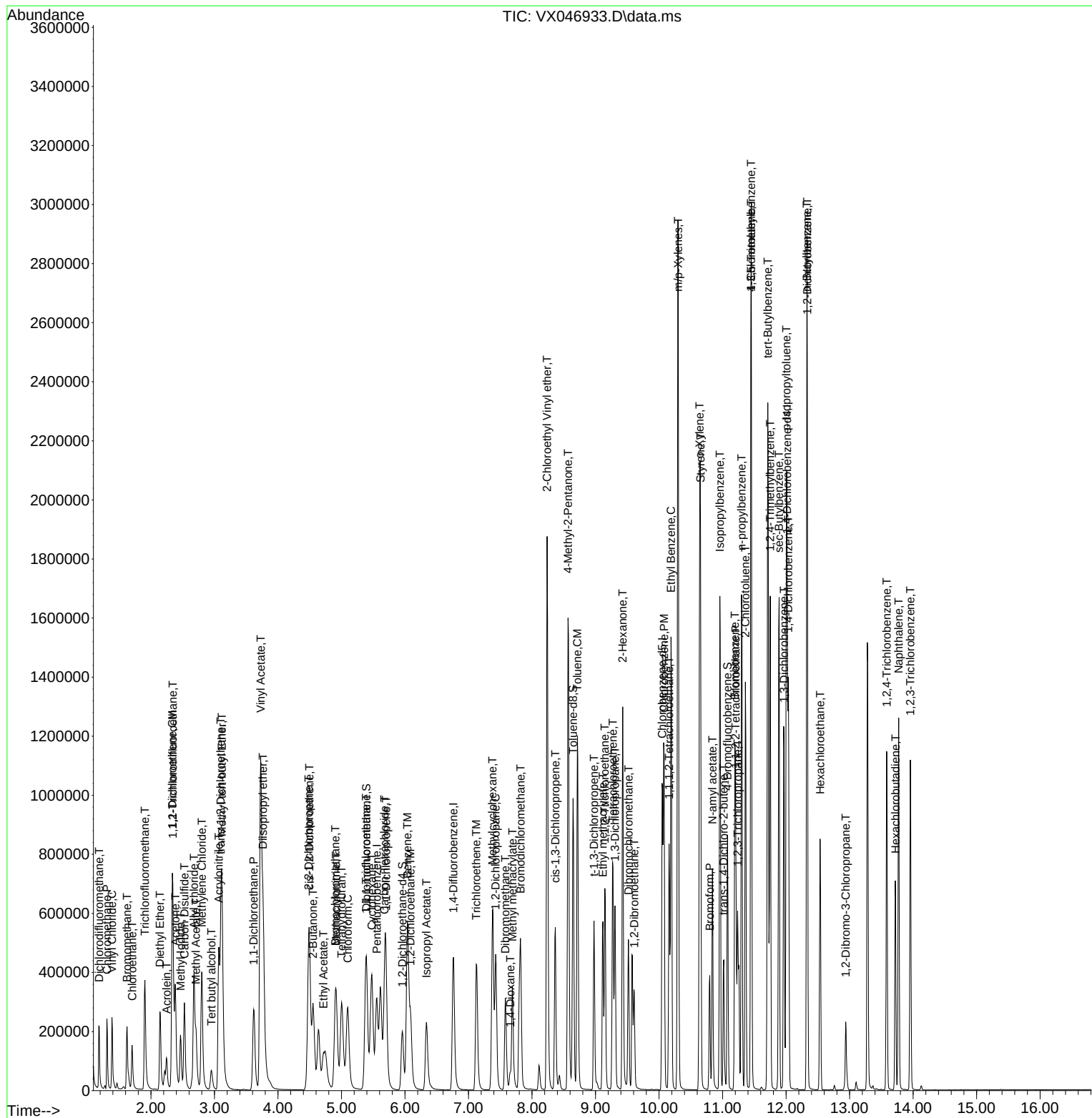
Quant Time: Jul 11 07:53:49 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M

Quant Title : SW846 8260

QLast Update : Thu Jul 03 05:51:11 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046933.D
 Acq On : 10 Jul 2025 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	84	0.00
2 T	Dichlorodifluoromethane	0.478	0.491	-2.7	85	0.00
3 P	Chloromethane	0.522	0.530	-1.5	88	0.00
4 C	Vinyl Chloride	0.569	0.575	-1.1#	88	0.00
5 T	Bromomethane	0.366	0.384	-4.9	90	0.00
6 T	Chloroethane	0.376	0.378	-0.5	92	0.00
7 T	Trichlorofluoromethane	0.880	0.925	-5.1	91	0.00
8 T	Diethyl Ether	0.313	0.349	-11.5	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.561	0.602	-7.3	92	0.00
10 T	Methyl Iodide	0.611	0.667	-9.2	89	0.00
11 T	Tert butyl alcohol	0.043	0.053	-23.3	105	0.00
12 CM	1,1-Dichloroethene	0.542	0.561	-3.5#	90	0.00
13 T	Acrolein	0.052	0.056	-7.7	103	0.00
14 T	Allyl chloride	0.965	1.042	-8.0	93	0.00
15 T	Acrylonitrile	0.250	0.291	-16.4	99	0.00
16 T	Acetone	0.205	0.237	-15.6	103	0.00
17 T	Carbon Disulfide	1.422	1.331	6.4	83	0.00
18 T	Methyl Acetate	0.541	0.697	-28.8#	106	0.00
19 T	Methyl tert-butyl Ether	1.531	1.789	-16.9	98	0.00
20 T	Methylene Chloride	0.607	0.664	-9.4	95	0.00
21 T	trans-1,2-Dichloroethene	0.555	0.582	-4.9	90	0.00
22 T	Diisopropyl ether	1.865	2.166	-16.1	96	0.00
23 T	Vinyl Acetate	1.397	1.600	-14.5	95	0.00
24 P	1,1-Dichloroethane	1.064	1.156	-8.6	94	0.00
25 T	2-Butanone	0.274	0.323	-17.9	99	-0.01
26 T	2,2-Dichloropropane	0.792	0.840	-6.1	93	0.00
27 T	cis-1,2-Dichloroethene	0.677	0.724	-6.9	92	0.00
28 T	Bromochloromethane	0.525	0.563	-7.2	90	0.00
29 T	Tetrahydrofuran	0.175	0.206	-17.7	99	0.00
30 C	Chloroform	1.087	1.184	-8.9#	95	0.00
31 T	Cyclohexane	0.944	0.949	-0.5	87	0.00
32 T	1,1,1-Trichloroethane	0.908	0.966	-6.4	92	-0.01
33 S	1,2-Dichloroethane-d4	0.661	0.672	-1.7	87	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35 S	Dibromofluoromethane	0.339	0.344	-1.5	85	0.00
36 T	1,1-Dichloropropene	0.458	0.460	-0.4	88	0.00
37 T	Ethyl Acetate	0.390	0.405	-3.8	95	0.00
38 T	Carbon Tetrachloride	0.484	0.514	-6.2	91	-0.01
39 T	Methylcyclohexane	0.573	0.572	0.2	85	0.00
40 TM	Benzene	1.385	1.459	-5.3	91	-0.01
41 T	Methacrylonitrile	0.208	0.260	-25.0#	103	0.00
42 TM	1,2-Dichloroethane	0.470	0.518	-10.2	95	0.00
43 T	Isopropyl Acetate	0.597	0.700	-17.3	95	0.00
44 TM	Trichloroethene	0.361	0.366	-1.4	90	0.00
45 C	1,2-Dichloropropane	0.350	0.379	-8.3#	92	0.00
46 T	Dibromomethane	0.242	0.264	-9.1	93	0.00
47 T	Bromodichloromethane	0.518	0.576	-11.2	95	0.00
48 T	Methyl methacrylate	0.308	0.363	-17.9	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046933.D
 Acq On : 10 Jul 2025 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.004	0.004	0.0	104	0.00
50 S	Toluene-d8	1.197	1.173	2.0	83	0.00
51 T	4-Methyl-2-Pentanone	0.353	0.415	-17.6	95	0.00
52 CM	Toluene	0.858	0.906	-5.6#	91	0.00
53 T	t-1,3-Dichloropropene	0.462	0.530	-14.7	94	0.00
54 T	cis-1,3-Dichloropropene	0.527	0.594	-12.7	94	0.00
55 T	1,1,2-Trichloroethane	0.320	0.359	-12.2	95	0.00
56 T	Ethyl methacrylate	0.442	0.518	-17.2	95	0.00
57 T	1,3-Dichloropropane	0.550	0.607	-10.4	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.249	0.297	-19.3	94	0.00
59 T	2-Hexanone	0.234	0.282	-20.5	96	0.00
60 T	Dibromochloromethane	0.383	0.429	-12.0	96	0.00
61 T	1,2-Dibromoethane	0.321	0.361	-12.5	95	0.00
62 S	4-Bromofluorobenzene	0.455	0.452	0.7	84	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
64 T	Tetrachloroethene	0.333	0.343	-3.0	91	0.00
65 PM	Chlorobenzene	1.081	1.156	-6.9	92	0.00
66 T	1,1,1,2-Tetrachloroethane	0.363	0.406	-11.8	94	0.00
67 C	Ethyl Benzene	1.851	1.991	-7.6#	91	0.00
68 T	m/p-Xylenes	0.698	0.748	-7.2	91	0.00
69 T	o-Xylene	0.674	0.731	-8.5	92	0.00
70 T	Styrene	1.153	1.280	-11.0	91	0.00
71 P	Bromoform	0.270	0.310	-14.8	96	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73 T	Isopropylbenzene	3.515	3.800	-8.1	91	0.00
74 T	N-amyl acetate	1.194	1.361	-14.0	93	0.00
75 P	1,1,2,2-Tetrachloroethane	0.966	1.071	-10.9	96	0.00
76 T	1,2,3-Trichloropropane	0.773	0.850	-10.0	93	0.00
77 T	Bromobenzene	0.875	0.927	-5.9	92	0.00
78 T	n-propylbenzene	4.238	4.478	-5.7	90	0.00
79 T	2-Chlorotoluene	2.503	2.602	-4.0	91	0.00
80 T	1,3,5-Trimethylbenzene	2.856	3.079	-7.8	91	0.00
81 T	trans-1,4-Dichloro-2-butene	0.288	0.318	-10.4	94	0.00
82 T	4-Chlorotoluene	2.888	3.091	-7.0	92	0.00
83 T	tert-Butylbenzene	2.950	3.170	-7.5	91	0.00
84 T	1,2,4-Trimethylbenzene	2.887	3.094	-7.2	91	0.00
85 T	sec-Butylbenzene	3.719	3.911	-5.2	90	0.00
86 T	p-Isopropyltoluene	3.114	3.281	-5.4	90	0.00
87 T	1,3-Dichlorobenzene	1.637	1.724	-5.3	92	0.00
88 T	1,4-Dichlorobenzene	1.704	1.741	-2.2	92	0.00
89 T	n-Butylbenzene	2.926	3.074	-5.1	89	0.00
90 T	Hexachloroethane	0.552	0.588	-6.5	92	0.00
91 T	1,2-Dichlorobenzene	1.587	1.671	-5.3	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.169	0.191	-13.0	97	0.00
93 T	1,2,4-Trichlorobenzene	1.078	1.137	-5.5	91	0.00
94 T	Hexachlorobutadiene	0.407	0.413	-1.5	87	0.00
95 T	Naphthalene	2.840	3.240	-14.1	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.019	1.098	-7.8	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046933.D
 Acq On : 10 Jul 2025 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	84	0.00
2 T	Dichlorodifluoromethane	50.000	51.309	-2.6	85	0.00
3 P	Chloromethane	50.000	50.717	-1.4	88	0.00
4 C	Vinyl Chloride	50.000	50.503	-1.0#	88	0.00
5 T	Bromomethane	50.000	52.473	-4.9	90	0.00
6 T	Chloroethane	50.000	50.280	-0.6	92	0.00
7 T	Trichlorofluoromethane	50.000	52.565	-5.1	91	0.00
8 T	Diethyl Ether	50.000	55.664	-11.3	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.708	-7.4	92	0.00
10 T	Methyl Iodide	50.000	54.611	-9.2	89	0.00
11 T	Tert butyl alcohol	250.000	303.026	-21.2	105	0.00
12 CM	1,1-Dichloroethene	50.000	51.712	-3.4#	90	0.00
13 T	Acrolein	250.000	291.173	-16.5	103	0.00
14 T	Allyl chloride	50.000	53.998	-8.0	93	0.00
15 T	Acrylonitrile	250.000	289.980	-16.0	99	0.00
16 T	Acetone	250.000	288.263	-15.3	103	0.00
17 T	Carbon Disulfide	50.000	46.811	6.4	83	0.00
18 T	Methyl Acetate	50.000	64.467	-28.9#	106	0.00
19 T	Methyl tert-butyl Ether	50.000	58.411	-16.8	98	0.00
20 T	Methylene Chloride	50.000	54.721	-9.4	95	0.00
21 T	trans-1,2-Dichloroethene	50.000	52.410	-4.8	90	0.00
22 T	Diisopropyl ether	50.000	58.072	-16.1	96	0.00
23 T	Vinyl Acetate	250.000	286.319	-14.5	95	0.00
24 P	1,1-Dichloroethane	50.000	54.341	-8.7	94	0.00
25 T	2-Butanone	250.000	295.023	-18.0	99	-0.01
26 T	2,2-Dichloropropane	50.000	53.046	-6.1	93	0.00
27 T	cis-1,2-Dichloroethene	50.000	53.411	-6.8	92	0.00
28 T	Bromochloromethane	50.000	53.663	-7.3	90	0.00
29 T	Tetrahydrofuran	250.000	295.346	-18.1	99	0.00
30 C	Chloroform	50.000	54.475	-9.0#	95	0.00
31 T	Cyclohexane	50.000	50.264	-0.5	87	0.00
32 T	1,1,1-Trichloroethane	50.000	53.185	-6.4	92	-0.01
33 S	1,2-Dichloroethane-d4	50.000	50.904	-1.8	87	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35 S	Dibromofluoromethane	50.000	50.712	-1.4	85	0.00
36 T	1,1-Dichloropropene	50.000	50.259	-0.5	88	0.00
37 T	Ethyl Acetate	50.000	51.873	-3.7	95	0.00
38 T	Carbon Tetrachloride	50.000	53.130	-6.3	91	-0.01
39 T	Methylcyclohexane	50.000	49.948	0.1	85	0.00
40 TM	Benzene	50.000	52.669	-5.3	91	-0.01
41 T	Methacrylonitrile	50.000	62.520	-25.0#	103	0.00
42 TM	1,2-Dichloroethane	50.000	55.069	-10.1	95	0.00
43 T	Isopropyl Acetate	50.000	58.622	-17.2	95	0.00
44 TM	Trichloroethene	50.000	50.782	-1.6	90	0.00
45 C	1,2-Dichloropropane	50.000	54.156	-8.3#	92	0.00
46 T	Dibromomethane	50.000	54.505	-9.0	93	0.00
47 T	Bromodichloromethane	50.000	55.607	-11.2	95	0.00
48 T	Methyl methacrylate	50.000	58.841	-17.7	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046933.D
 Acq On : 10 Jul 2025 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1258.852	-25.9#	104	0.00
50 S	Toluene-d8	50.000	48.959	2.1	83	0.00
51 T	4-Methyl-2-Pentanone	250.000	294.193	-17.7	95	0.00
52 CM	Toluene	50.000	52.775	-5.5#	91	0.00
53 T	t-1,3-Dichloropropene	50.000	57.309	-14.6	94	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.281	-12.6	94	0.00
55 T	1,1,2-Trichloroethane	50.000	56.221	-12.4	95	0.00
56 T	Ethyl methacrylate	50.000	58.487	-17.0	95	0.00
57 T	1,3-Dichloropropane	50.000	55.100	-10.2	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	297.352	-18.9	94	0.00
59 T	2-Hexanone	250.000	301.884	-20.8	96	0.00
60 T	Dibromochloromethane	50.000	56.096	-12.2	96	0.00
61 T	1,2-Dibromoethane	50.000	56.184	-12.4	95	0.00
62 S	4-Bromofluorobenzene	50.000	49.699	0.6	84	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	83	0.00
64 T	Tetrachloroethene	50.000	51.447	-2.9	91	0.00
65 PM	Chlorobenzene	50.000	53.468	-6.9	92	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	55.912	-11.8	94	0.00
67 C	Ethyl Benzene	50.000	53.771	-7.5#	91	0.00
68 T	m/p-Xylenes	100.000	107.290	-7.3	91	0.00
69 T	o-Xylene	50.000	54.271	-8.5	92	0.00
70 T	Styrene	50.000	55.516	-11.0	91	0.00
71 P	Bromoform	50.000	57.288	-14.6	96	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73 T	Isopropylbenzene	50.000	54.059	-8.1	91	0.00
74 T	N-amyl acetate	50.000	56.957	-13.9	93	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	55.381	-10.8	96	0.00
76 T	1,2,3-Trichloropropane	50.000	54.995	-10.0	93	0.00
77 T	Bromobenzene	50.000	52.925	-5.8	92	0.00
78 T	n-propylbenzene	50.000	52.828	-5.7	90	0.00
79 T	2-Chlorotoluene	50.000	51.994	-4.0	91	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.899	-7.8	91	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	55.146	-10.3	94	0.00
82 T	4-Chlorotoluene	50.000	53.511	-7.0	92	0.00
83 T	tert-Butylbenzene	50.000	53.736	-7.5	91	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.589	-7.2	91	0.00
85 T	sec-Butylbenzene	50.000	52.579	-5.2	90	0.00
86 T	p-Isopropyltoluene	50.000	52.668	-5.3	90	0.00
87 T	1,3-Dichlorobenzene	50.000	52.660	-5.3	92	0.00
88 T	1,4-Dichlorobenzene	50.000	51.089	-2.2	92	0.00
89 T	n-Butylbenzene	50.000	52.526	-5.1	89	0.00
90 T	Hexachloroethane	50.000	53.280	-6.6	92	0.00
91 T	1,2-Dichlorobenzene	50.000	52.664	-5.3	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	56.504	-13.0	97	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.762	-5.5	91	0.00
94 T	Hexachlorobutadiene	50.000	50.808	-1.6	87	0.00
95 T	Naphthalene	50.000	57.028	-14.1	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046933.D
Acq On : 10 Jul 2025 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 07:53:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.919	-7.8	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>07/14/2025 09:16</u>
Lab File ID:	<u>VX046961.D</u>	Init. Calib. Date(s):	<u>07/02/2025 07/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:11 14:31</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.478	0.487		1.88	20
Chloromethane	0.522	0.477	0.1	-8.62	20
Vinyl Chloride	0.569	0.565		-0.7	20
Bromomethane	0.366	0.365		-0.27	20
Chloroethane	0.376	0.357		-5.05	20
Trichlorofluoromethane	0.880	0.919		4.43	20
1,1,2-Trichlorotrifluoroethane	0.561	0.585		4.28	20
1,1-Dichloroethene	0.542	0.553		2.03	20
Acetone	0.205	0.234		14.15	20
Carbon Disulfide	1.422	1.298		-8.72	20
Methyl tert-butyl Ether	1.531	1.868		22.01	20
Methyl Acetate	0.541	0.769		42.14	20
Methylene Chloride	0.607	0.629		3.62	20
trans-1,2-Dichloroethene	0.555	0.557		0.36	20
1,1-Dichloroethane	1.064	1.127	0.1	5.92	20
Cyclohexane	0.944	0.919		-2.65	20
2-Butanone	0.274	0.340		24.09	20
Carbon Tetrachloride	0.484	0.506		4.55	20
cis-1,2-Dichloroethene	0.677	0.712		5.17	20
Bromochloromethane	0.525	0.551		4.95	20
Chloroform	1.087	1.141		4.97	20
1,1,1-Trichloroethane	0.908	0.987		8.7	20
Methylcyclohexane	0.573	0.556		-2.97	20
Benzene	1.385	1.391		0.43	20
1,2-Dichloroethane	0.470	0.497		5.74	20
Trichloroethene	0.361	0.355		-1.66	20
1,2-Dichloropropane	0.350	0.364		4	20
Bromodichloromethane	0.518	0.552		6.56	20
4-Methyl-2-Pentanone	0.353	0.436		23.51	20
Toluene	0.858	0.875		1.98	20
t-1,3-Dichloropropene	0.462	0.534		15.58	20
cis-1,3-Dichloropropene	0.527	0.581		10.25	20
1,1,2-Trichloroethane	0.320	0.348		8.75	20
2-Hexanone	0.234	0.300		28.2	20
Dibromochloromethane	0.383	0.413		7.83	20
1,2-Dibromoethane	0.321	0.347		8.1	20
Tetrachloroethene	0.333	0.320		-3.9	20
Chlorobenzene	1.081	1.090	0.3	0.83	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>07/14/2025 09:16</u>
Lab File ID:	<u>VX046961.D</u>	Init. Calib. Date(s):	<u>07/02/2025 07/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:11 14:31</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.851	1.887		1.95	20
m/p-Xylenes	0.698	0.709		1.58	20
o-Xylene	0.674	0.690		2.37	20
Styrene	1.153	1.208		4.77	20
Bromoform	0.270	0.301	0.1	11.48	20
Isopropylbenzene	3.515	3.763		7.05	20
1,1,2,2-Tetrachloroethane	0.966	1.107	0.3	14.6	20
1,3-Dichlorobenzene	1.637	1.719		5.01	20
1,4-Dichlorobenzene	1.704	1.738		2	20
1,2-Dichlorobenzene	1.587	1.657		4.41	20
1,2-Dibromo-3-Chloropropane	0.169	0.217		28.4	20
1,2,4-Trichlorobenzene	1.078	1.145		6.22	20
1,2,3-Trichlorobenzene	1.019	1.115		9.42	20
1,2-Dichloroethane-d4	0.661	0.674		1.97	20
Dibromofluoromethane	0.339	0.336		-0.88	20
Toluene-d8	1.197	1.136		-5.1	20
4-Bromofluorobenzene	0.455	0.448		-1.54	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046961.D
 Acq On : 14 Jul 2025 09:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 07/15/2025
 Supervised By : Semsettin Yesilyurt 07/15/2025

Quant Time: Jul 15 01:12:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	302863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	503750	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	451308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	220043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	204085	51.007	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.020%			
35) Dibromofluoromethane	5.391	113	169374	49.532	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	8.646	98	572304	47.437	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.880%			
62) 4-Bromofluorobenzene	11.079	95	225723	49.228	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	147603	50.960	ug/l	97
3) Chloromethane	1.306	50	144411	45.634	ug/l	100
4) Vinyl Chloride	1.386	62	170975	49.613	ug/l	99
5) Bromomethane	1.617	94	110416	49.866	ug/l	98
6) Chloroethane	1.703	64	108263	47.576	ug/l	98
7) Trichlorofluoromethane	1.904	101	278444	52.255	ug/l	99
8) Diethyl Ether	2.142	74	103256	54.452	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	177113	52.163	ug/l	98
10) Methyl Iodide	2.465	142	150217	40.609	ug/l	98
11) Tert butyl alcohol	2.958	59	102389	390.182	ug/l	100
12) 1,1-Dichloroethene	2.331	96	167555	51.020	ug/l	99
13) Acrolein	2.245	56	66890	230.897	ug/l	96
14) Allyl chloride	2.678	41	314746	53.830	ug/l	99
15) Acrylonitrile	3.068	53	446983	294.614	ug/l	100
16) Acetone	2.385	43	355078	285.701	ug/l	97
17) Carbon Disulfide	2.526	76	393167	45.650	ug/l	100
18) Methyl Acetate	2.709	43	233009	71.131	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	565691	60.996	ug/l	98
20) Methylene Chloride	2.800	84	190463	51.825	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	168719	50.206	ug/l	99
22) Diisopropyl ether	3.763	45	636672	56.362	ug/l	93
23) Vinyl Acetate	3.727	43	2457841	290.428	ug/l	99
24) 1,1-Dichloroethane	3.617	63	341398	52.993	ug/l	100
25) 2-Butanone	4.556	43	515414	310.834	ug/l	98
26) 2,2-Dichloropropane	4.483	77	275917	57.548	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	215696	52.571	ug/l	98
28) Bromochloromethane	4.903	49	166884	52.488	ug/l	98
29) Tetrahydrofuran	5.007	42	332902	314.945	ug/l	99
30) Chloroform	5.098	83	345455	52.487	ug/l	97
31) Cyclohexane	5.476	56	278385	48.675	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	298910	54.360	ug/l	98
36) 1,1-Dichloropropene	5.696	75	229070	49.651	ug/l	99
37) Ethyl Acetate	4.714	43	218254	55.543	ug/l	98
38) Carbon Tetrachloride	5.678	117	255121	52.305	ug/l	98
39) Methylcyclohexane	7.378	83	280065	48.528	ug/l	100
40) Benzene	6.037	78	700628	50.208	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046961.D
 Acq On : 14 Jul 2025 09:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025

Supervised By :Semsettin Yesilyurt 07/15/2025

Quant Time: Jul 15 01:12:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M

Quant Title : SW846 8260

QLast Update : Thu Jul 03 05:51:11 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	128489	61.297	ug/l	98
42) 1,2-Dichloroethane	6.086	62	250462	52.857	ug/l	99
43) Isopropyl Acetate	6.336	43	372260	61.850	ug/l	100
44) Trichloroethene	7.128	130	178886	49.245	ug/l	100
45) 1,2-Dichloropropane	7.427	63	183547	52.061	ug/l	100
46) Dibromomethane	7.580	93	128605	52.647	ug/l	100
47) Bromodichloromethane	7.817	83	278122	53.321	ug/l	98
48) Methyl methacrylate	7.689	41	193946	62.407	ug/l	98
49) 1,4-Dioxane	7.659	88	48473	1346.109	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	1097272	308.906	ug/l	99
52) Toluene	8.720	92	440638	50.957	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	268934	57.773	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	292640	55.076	ug/l	99
55) 1,1,2-Trichloroethane	9.146	97	175548	54.503	ug/l	99
56) Ethyl methacrylate	9.116	69	266571	59.797	ug/l	99
57) 1,3-Dichloropropane	9.305	76	290044	52.297	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	726836	289.366	ug/l	99
59) 2-Hexanone	9.427	43	756391	321.033	ug/l	99
60) Dibromochloromethane	9.518	129	208127	53.995	ug/l	98
61) 1,2-Dibromoethane	9.610	107	174833	54.048	ug/l	100
64) Tetrachloroethene	9.274	164	144564	48.111	ug/l	98
65) Chlorobenzene	10.079	112	492117	50.435	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	174818	53.296	ug/l	99
67) Ethyl Benzene	10.189	91	851825	50.977	ug/l	98
68) m/p-Xylenes	10.299	106	639926	101.630	ug/l	99
69) o-Xylene	10.640	106	311366	51.192	ug/l	99
70) Styrene	10.652	104	545199	52.392	ug/l	99
71) Bromoform	10.799	173	135889	55.717	ug/l	98
73) Isopropylbenzene	10.957	105	828004	53.529	ug/l	100
74) N-amyl acetate	10.841	43	332486	63.254	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	243489	57.246	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	200865m	59.079	ug/l	
77) Bromobenzene	11.195	156	203317	52.769	ug/l	99
78) n-propylbenzene	11.298	91	984641	52.791	ug/l	100
79) 2-Chlorotoluene	11.359	91	580504	52.710	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	678149	53.955	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	77554	61.211	ug/l	99
82) 4-Chlorotoluene	11.451	91	675805	53.174	ug/l	100
83) tert-Butylbenzene	11.713	119	704065	54.236	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	686276	54.020	ug/l	97
85) sec-Butylbenzene	11.890	105	868859	53.085	ug/l	99
86) p-Isopropyltoluene	12.006	119	730626	53.306	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	378343	52.505	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	382476	51.000	ug/l	99
89) n-Butylbenzene	12.329	91	679556	52.767	ug/l	99
90) Hexachloroethane	12.536	117	133002	54.739	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	364556	52.207	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	47729	64.157	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	251875	53.095	ug/l	99
94) Hexachlorobutadiene	13.719	225	94846	53.015	ug/l	98
95) Naphthalene	13.774	128	754921	60.391	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	245343	54.736	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046961.D
Acq On : 14 Jul 2025 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025

Quant Time: Jul 15 01:12:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

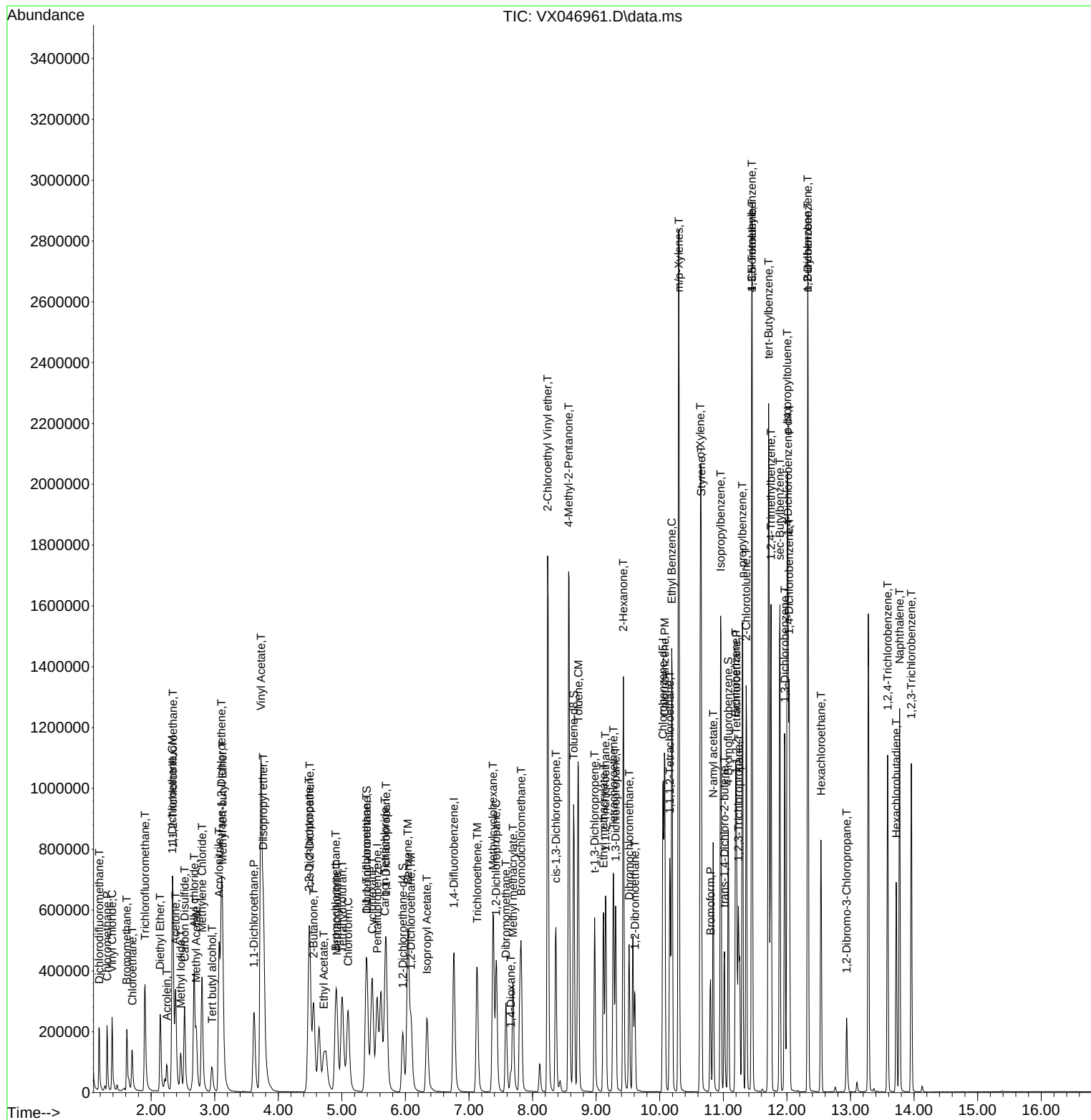

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046961.D
Acq On    : 14 Jul 2025   09:16
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025

Quant Time: Jul 15 01:12:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046961.D
 Acq On : 14 Jul 2025 09:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 15 01:12:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	82	0.00
2 T	Dichlorodifluoromethane	0.478	0.487	-1.9	82	0.00
3 P	Chloromethane	0.522	0.477	8.6	77	0.00
4 C	Vinyl Chloride	0.569	0.565	0.7#	84	0.00
5 T	Bromomethane	0.366	0.365	0.3	83	0.00
6 T	Chloroethane	0.376	0.357	5.1	85	0.00
7 T	Trichlorofluoromethane	0.880	0.919	-4.4	88	0.00
8 T	Diethyl Ether	0.313	0.341	-8.9	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.561	0.585	-4.3	88	0.00
10 T	Methyl Iodide	0.611	0.496	18.8	65	0.00
11 T	Tert butyl alcohol	0.043	0.068	-58.1#	132	0.00
12 CM	1,1-Dichloroethene	0.542	0.553	-2.0#	87	0.00
13 T	Acrolein	0.052	0.044	15.4	80	0.00
14 T	Allyl chloride	0.965	1.039	-7.7	91	0.00
15 T	Acrylonitrile	0.250	0.295	-18.0	99	0.00
16 T	Acetone	0.205	0.234	-14.1	100	0.00
17 T	Carbon Disulfide	1.422	1.298	8.7	80	0.00
18 T	Methyl Acetate	0.541	0.769	-42.1#	114	0.00
19 T	Methyl tert-butyl Ether	1.531	1.868	-22.0	101	0.00
20 T	Methylene Chloride	0.607	0.629	-3.6	88	0.00
21 T	trans-1,2-Dichloroethene	0.555	0.557	-0.4	85	0.00
22 T	Diisopropyl ether	1.865	2.102	-12.7	91	0.00
23 T	Vinyl Acetate	1.397	1.623	-16.2	94	0.00
24 P	1,1-Dichloroethane	1.064	1.127	-5.9	89	0.00
25 T	2-Butanone	0.274	0.340	-24.1	102	0.00
26 T	2,2-Dichloropropane	0.792	0.911	-15.0	98	0.00
27 T	cis-1,2-Dichloroethene	0.677	0.712	-5.2	89	0.00
28 T	Bromochloromethane	0.525	0.551	-5.0	86	0.00
29 T	Tetrahydrofuran	0.175	0.220	-25.7#	103	0.00
30 C	Chloroform	1.087	1.141	-5.0#	89	0.00
31 T	Cyclohexane	0.944	0.919	2.6	82	0.00
32 T	1,1,1-Trichloroethane	0.908	0.987	-8.7	92	-0.01
33 S	1,2-Dichloroethane-d4	0.661	0.674	-2.0	86	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35 S	Dibromofluoromethane	0.339	0.336	0.9	83	0.00
36 T	1,1-Dichloropropene	0.458	0.455	0.7	87	0.00
37 T	Ethyl Acetate	0.390	0.433	-11.0	101	0.00
38 T	Carbon Tetrachloride	0.484	0.506	-4.5	89	-0.01
39 T	Methylcyclohexane	0.573	0.556	3.0	82	0.00
40 TM	Benzene	1.385	1.391	-0.4	86	-0.01
41 T	Methacrylonitrile	0.208	0.255	-22.6	100	0.00
42 TM	1,2-Dichloroethane	0.470	0.497	-5.7	91	0.00
43 T	Isopropyl Acetate	0.597	0.739	-23.8	100	0.00
44 TM	Trichloroethene	0.361	0.355	1.7	86	0.00
45 C	1,2-Dichloropropane	0.350	0.364	-4.0#	88	0.00
46 T	Dibromomethane	0.242	0.255	-5.4	89	0.00
47 T	Bromodichloromethane	0.518	0.552	-6.6	91	0.00
48 T	Methyl methacrylate	0.308	0.385	-25.0#	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046961.D
 Acq On : 14 Jul 2025 09:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 15 01:12:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.004	0.005	-25.0	111	0.00
50 S	Toluene-d8	1.197	1.136	5.1	80	0.00
51 T	4-Methyl-2-Pentanone	0.353	0.436	-23.5	100	0.00
52 CM	Toluene	0.858	0.875	-2.0#	87	0.00
53 T	t-1,3-Dichloropropene	0.462	0.534	-15.6	95	0.00
54 T	cis-1,3-Dichloropropene	0.527	0.581	-10.2	91	0.00
55 T	1,1,2-Trichloroethane	0.320	0.348	-8.7	92	0.00
56 T	Ethyl methacrylate	0.442	0.529	-19.7	97	0.00
57 T	1,3-Dichloropropane	0.550	0.576	-4.7	89	0.00
58 T	2-Chloroethyl Vinyl ether	0.249	0.289	-16.1	91	0.00
59 T	2-Hexanone	0.234	0.300	-28.2#	102	0.00
60 T	Dibromochloromethane	0.383	0.413	-7.8	92	0.00
61 T	1,2-Dibromoethane	0.321	0.347	-8.1	91	0.00
62 S	4-Bromofluorobenzene	0.455	0.448	1.5	83	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
64 T	Tetrachloroethene	0.333	0.320	3.9	85	0.00
65 PM	Chlorobenzene	1.081	1.090	-0.8	87	0.00
66 T	1,1,1,2-Tetrachloroethane	0.363	0.387	-6.6	90	0.00
67 C	Ethyl Benzene	1.851	1.887	-1.9#	86	0.00
68 T	m/p-Xylenes	0.698	0.709	-1.6	86	0.00
69 T	o-Xylene	0.674	0.690	-2.4	87	0.00
70 T	Styrene	1.153	1.208	-4.8	86	0.00
71 P	Bromoform	0.270	0.301	-11.5	94	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
73 T	Isopropylbenzene	3.515	3.763	-7.1	86	0.00
74 T	N-amyl acetate	1.194	1.511	-26.5#	98	0.00
75 P	1,1,2,2-Tetrachloroethane	0.966	1.107	-14.6	95	0.00
76 T	1,2,3-Trichloropropane	0.773	0.913	-18.1	96	0.00
77 T	Bromobenzene	0.875	0.924	-5.6	87	0.00
78 T	n-propylbenzene	4.238	4.475	-5.6	86	0.00
79 T	2-Chlorotoluene	2.503	2.638	-5.4	88	0.00
80 T	1,3,5-Trimethylbenzene	2.856	3.082	-7.9	87	0.00
81 T	trans-1,4-Dichloro-2-butene	0.288	0.352	-22.2	100	0.00
82 T	4-Chlorotoluene	2.888	3.071	-6.3	87	0.00
83 T	tert-Butylbenzene	2.950	3.200	-8.5	87	0.00
84 T	1,2,4-Trimethylbenzene	2.887	3.119	-8.0	87	0.00
85 T	sec-Butylbenzene	3.719	3.949	-6.2	86	0.00
86 T	p-Isopropyltoluene	3.114	3.320	-6.6	87	0.00
87 T	1,3-Dichlorobenzene	1.637	1.719	-5.0	87	0.00
88 T	1,4-Dichlorobenzene	1.704	1.738	-2.0	88	0.00
89 T	n-Butylbenzene	2.926	3.088	-5.5	85	0.00
90 T	Hexachloroethane	0.552	0.604	-9.4	90	0.00
91 T	1,2-Dichlorobenzene	1.587	1.657	-4.4	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.169	0.217	-28.4#	105	0.00
93 T	1,2,4-Trichlorobenzene	1.078	1.145	-6.2	87	0.00
94 T	Hexachlorobutadiene	0.407	0.431	-5.9	87	0.00
95 T	Naphthalene	2.840	3.431	-20.8	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046961.D
Acq On : 14 Jul 2025 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 15 01:12:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.019	1.115	-9.4	88	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046961.D
 Acq On : 14 Jul 2025 09:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 15 01:12:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	82	0.00
2 T	Dichlorodifluoromethane	50.000	50.960	-1.9	82	0.00
3 P	Chloromethane	50.000	45.634	8.7	77	0.00
4 C	Vinyl Chloride	50.000	49.613	0.8#	84	0.00
5 T	Bromomethane	50.000	49.866	0.3	83	0.00
6 T	Chloroethane	50.000	47.576	4.8	85	0.00
7 T	Trichlorofluoromethane	50.000	52.255	-4.5	88	0.00
8 T	Diethyl Ether	50.000	54.452	-8.9	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.163	-4.3	88	0.00
10 T	Methyl Iodide	50.000	40.609	18.8	65	0.00
11 T	Tert butyl alcohol	250.000	390.182	-56.1#	132	0.00
12 CM	1,1-Dichloroethene	50.000	51.020	-2.0#	87	0.00
13 T	Acrolein	250.000	230.897	7.6	80	0.00
14 T	Allyl chloride	50.000	53.830	-7.7	91	0.00
15 T	Acrylonitrile	250.000	294.614	-17.8	99	0.00
16 T	Acetone	250.000	285.701	-14.3	100	0.00
17 T	Carbon Disulfide	50.000	45.650	8.7	80	0.00
18 T	Methyl Acetate	50.000	71.131	-42.3#	114	0.00
19 T	Methyl tert-butyl Ether	50.000	60.996	-22.0	101	0.00
20 T	Methylene Chloride	50.000	51.825	-3.7	88	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.206	-0.4	85	0.00
22 T	Diisopropyl ether	50.000	56.362	-12.7	91	0.00
23 T	Vinyl Acetate	250.000	290.428	-16.2	94	0.00
24 P	1,1-Dichloroethane	50.000	52.993	-6.0	89	0.00
25 T	2-Butanone	250.000	310.834	-24.3	102	0.00
26 T	2,2-Dichloropropane	50.000	57.548	-15.1	98	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.571	-5.1	89	0.00
28 T	Bromochloromethane	50.000	52.488	-5.0	86	0.00
29 T	Tetrahydrofuran	250.000	314.945	-26.0#	103	0.00
30 C	Chloroform	50.000	52.487	-5.0#	89	0.00
31 T	Cyclohexane	50.000	48.675	2.7	82	0.00
32 T	1,1,1-Trichloroethane	50.000	54.360	-8.7	92	-0.01
33 S	1,2-Dichloroethane-d4	50.000	51.007	-2.0	86	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35 S	Dibromofluoromethane	50.000	49.532	0.9	83	0.00
36 T	1,1-Dichloropropene	50.000	49.651	0.7	87	0.00
37 T	Ethyl Acetate	50.000	55.543	-11.1	101	0.00
38 T	Carbon Tetrachloride	50.000	52.305	-4.6	89	-0.01
39 T	Methylcyclohexane	50.000	48.528	2.9	82	0.00
40 TM	Benzene	50.000	50.208	-0.4	86	-0.01
41 T	Methacrylonitrile	50.000	61.297	-22.6	100	0.00
42 TM	1,2-Dichloroethane	50.000	52.857	-5.7	91	0.00
43 T	Isopropyl Acetate	50.000	61.850	-23.7	100	0.00
44 TM	Trichloroethene	50.000	49.245	1.5	86	0.00
45 C	1,2-Dichloropropane	50.000	52.061	-4.1#	88	0.00
46 T	Dibromomethane	50.000	52.647	-5.3	89	0.00
47 T	Bromodichloromethane	50.000	53.321	-6.6	91	0.00
48 T	Methyl methacrylate	50.000	62.407	-24.8	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046961.D
 Acq On : 14 Jul 2025 09:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 15 01:12:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1346.109	-34.6#	111	0.00
50 S	Toluene-d8	50.000	47.437	5.1	80	0.00
51 T	4-Methyl-2-Pentanone	250.000	308.906	-23.6	100	0.00
52 CM	Toluene	50.000	50.957	-1.9#	87	0.00
53 T	t-1,3-Dichloropropene	50.000	57.773	-15.5	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.076	-10.2	91	0.00
55 T	1,1,2-Trichloroethane	50.000	54.503	-9.0	92	0.00
56 T	Ethyl methacrylate	50.000	59.797	-19.6	97	0.00
57 T	1,3-Dichloropropane	50.000	52.297	-4.6	89	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	289.366	-15.7	91	0.00
59 T	2-Hexanone	250.000	321.033	-28.4#	102	0.00
60 T	Dibromochloromethane	50.000	53.995	-8.0	92	0.00
61 T	1,2-Dibromoethane	50.000	54.048	-8.1	91	0.00
62 S	4-Bromofluorobenzene	50.000	49.228	1.5	83	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	84	0.00
64 T	Tetrachloroethene	50.000	48.111	3.8	85	0.00
65 PM	Chlorobenzene	50.000	50.435	-0.9	87	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.296	-6.6	90	0.00
67 C	Ethyl Benzene	50.000	50.977	-2.0#	86	0.00
68 T	m/p-Xylenes	100.000	101.630	-1.6	86	0.00
69 T	o-Xylene	50.000	51.192	-2.4	87	0.00
70 T	Styrene	50.000	52.392	-4.8	86	0.00
71 P	Bromoform	50.000	55.717	-11.4	94	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	82	0.00
73 T	Isopropylbenzene	50.000	53.529	-7.1	86	0.00
74 T	N-amyl acetate	50.000	63.254	-26.5#	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	57.246	-14.5	95	0.00
76 T	1,2,3-Trichloropropane	50.000	59.079	-18.2	96	0.00
77 T	Bromobenzene	50.000	52.769	-5.5	87	0.00
78 T	n-propylbenzene	50.000	52.791	-5.6	86	0.00
79 T	2-Chlorotoluene	50.000	52.710	-5.4	88	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.955	-7.9	87	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	61.211	-22.4	100	0.00
82 T	4-Chlorotoluene	50.000	53.174	-6.3	87	0.00
83 T	tert-Butylbenzene	50.000	54.236	-8.5	87	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.020	-8.0	87	0.00
85 T	sec-Butylbenzene	50.000	53.085	-6.2	86	0.00
86 T	p-Isopropyltoluene	50.000	53.306	-6.6	87	0.00
87 T	1,3-Dichlorobenzene	50.000	52.505	-5.0	87	0.00
88 T	1,4-Dichlorobenzene	50.000	51.000	-2.0	88	0.00
89 T	n-Butylbenzene	50.000	52.767	-5.5	85	0.00
90 T	Hexachloroethane	50.000	54.739	-9.5	90	0.00
91 T	1,2-Dichlorobenzene	50.000	52.207	-4.4	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	64.157	-28.3#	105	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.095	-6.2	87	0.00
94 T	Hexachlorobutadiene	50.000	53.015	-6.0	87	0.00
95 T	Naphthalene	50.000	60.391	-20.8	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046961.D
Acq On : 14 Jul 2025 09:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 15 01:12:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.736	-9.5	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/07/2025 09:08</u>
Lab File ID:	<u>VY022946.D</u>	Init. Calib. Date(s):	<u>06/23/2025 06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:38 15:31</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.380		-11.22	20
Chloromethane	0.816	0.771	0.1	-5.51	20
Vinyl Chloride	1.020	0.912		-10.59	20
Bromomethane	0.802	0.649		-19.08	20
Chloroethane	0.686	0.623		-9.18	20
Trichlorofluoromethane	1.129	1.008		-10.72	20
1,1,2-Trichlorotrifluoroethane	0.516	0.504		-2.33	20
1,1-Dichloroethene	0.506	0.485		-4.15	20
Acetone	0.105	0.125		19.05	20
Carbon Disulfide	1.635	1.542		-5.69	20
Methyl tert-butyl Ether	1.378	1.304		-5.37	20
Methyl Acetate	0.349	0.311		-10.89	20
Methylene Chloride	0.666	0.591		-11.26	20
trans-1,2-Dichloroethene	0.578	0.557		-3.63	20
1,1-Dichloroethane	1.044	1.033	0.1	-1.05	20
Cyclohexane	0.959	0.918		-4.28	20
2-Butanone	0.154	0.158		2.6	20
Carbon Tetrachloride	0.486	0.497		2.26	20
cis-1,2-Dichloroethene	0.672	0.646		-3.87	20
Bromochloromethane	0.439	0.443		0.91	20
Chloroform	1.076	1.037		-3.54	20
1,1,1-Trichloroethane	0.929	0.915		-1.51	20
Methylcyclohexane	0.596	0.610		2.35	20
Benzene	1.417	1.451		2.4	20
1,2-Dichloroethane	0.388	0.385		-0.77	20
Trichloroethene	0.356	0.363		1.97	20
1,2-Dichloropropane	0.332	0.341		2.71	20
Bromodichloromethane	0.485	0.491		1.24	20
4-Methyl-2-Pentanone	0.210	0.217		3.33	20
Toluene	0.894	0.904		1.12	20
t-1,3-Dichloropropene	0.437	0.448		2.52	20
cis-1,3-Dichloropropene	0.506	0.524		3.56	20
1,1,2-Trichloroethane	0.244	0.246		0.82	20
2-Hexanone	0.143	0.151		5.59	20
Dibromochloromethane	0.315	0.319		1.27	20
1,2-Dibromoethane	0.228	0.227		-0.44	20
Tetrachloroethene	0.472	0.483		2.33	20
Chlorobenzene	1.099	1.117	0.3	1.64	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/07/2025</u> <u>09:08</u>
Lab File ID:	<u>VY022946.D</u>	Init. Calib. Date(s):	<u>06/23/2025</u> <u>06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:38</u> <u>15:31</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.005		3.89	20
m/p-Xylenes	0.746	0.775		3.89	20
o-Xylene	0.703	0.715		1.71	20
Styrene	1.178	1.211		2.8	20
Bromoform	0.207	0.206	0.1	-0.48	20
Isopropylbenzene	3.698	3.864		4.49	20
1,1,2,2-Tetrachloroethane	0.596	0.609	0.3	2.18	20
1,3-Dichlorobenzene	1.683	1.729		2.73	20
1,4-Dichlorobenzene	1.672	1.691		1.14	20
1,2-Dichlorobenzene	1.483	1.504		1.42	20
1,2-Dibromo-3-Chloropropane	0.101	0.101		0	20
1,2,4-Trichlorobenzene	0.838	0.846		0.95	20
1,2,3-Trichlorobenzene	0.724	0.712		-1.66	20
1,2-Dichloroethane-d4	0.558	0.526		-5.74	20
Dibromofluoromethane	0.304	0.304		0	20
Toluene-d8	1.207	1.210		0.25	20
4-Bromofluorobenzene	0.388	0.394		1.55	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
 Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	469181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	754142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	648632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	317038	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	246832	47.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.280%
35) Dibromofluoromethane	7.634	113	229041	49.940	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.880%
50) Toluene-d8	10.103	98	912489	50.139	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.280%
62) 4-Bromofluorobenzene	12.402	95	297486	50.848	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	178416	44.471	ug/l	99
3) Chloromethane	2.068	50	361942	47.245	ug/l	99
4) Vinyl Chloride	2.202	62	427991	44.717	ug/l	99
5) Bromomethane	2.599	94	304314	40.443	ug/l	100
6) Chloroethane	2.733	64	292466	45.459	ug/l	97
7) Trichlorofluoromethane	3.056	101	473145	44.645	ug/l	96
8) Diethyl Ether	3.452	74	123014	46.996	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	236344	48.799	ug/l	97
10) Methyl Iodide	4.001	142	277897	52.700	ug/l	99
11) Tert butyl alcohol	4.891	59	73803	211.961	ug/l	98
12) 1,1-Dichloroethene	3.787	96	227462	47.897	ug/l	99
13) Acrolein	3.653	56	40903	86.631	ug/l	99
14) Allyl chloride	4.385	41	368422	50.437	ug/l	93
15) Acrylonitrile	5.055	53	268907	246.227	ug/l	99
16) Acetone	3.879	43	294196	297.244	ug/l	97
17) Carbon Disulfide	4.104	76	723334	47.148	ug/l	100
18) Methyl Acetate	4.391	43	145970	44.534	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	611645	47.301	ug/l	97
20) Methylene Chloride	4.616	84	277496	44.396	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	261557	48.190	ug/l	97
22) Diisopropyl ether	6.019	45	819602	50.524	ug/l	98
23) Vinyl Acetate	5.958	43	2279836	254.469	ug/l	99
24) 1,1-Dichloroethane	5.915	63	484456	49.442	ug/l	100
25) 2-Butanone	6.897	43	371518	257.909	ug/l	97
26) 2,2-Dichloropropane	6.884	77	421633	51.333	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	303325	48.094	ug/l	98
28) Bromochloromethane	7.244	49	207851	50.456	ug/l	96
29) Tetrahydrofuran	7.262	42	221589	243.613	ug/l	99
30) Chloroform	7.421	83	486641	48.220	ug/l	97
31) Cyclohexane	7.701	56	430743	47.890	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	429352	49.231	ug/l	99
36) 1,1-Dichloropropene	7.835	75	355507	51.139	ug/l	99
37) Ethyl Acetate	6.982	43	154528	51.513	ug/l	98
38) Carbon Tetrachloride	7.817	117	374577	51.067	ug/l	98
39) Methylcyclohexane	9.110	83	460294	51.165	ug/l	97
40) Benzene	8.079	78	1094013	51.185	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025

Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:41:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Quant Title : SW846 8260

QLast Update : Tue Jun 24 08:29:52 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	87764m	47.523	ug/l	
42) 1,2-Dichloroethane	8.158	62	290550	49.608	ug/l	99
43) Isopropyl Acetate	8.195	43	311082	49.895	ug/l #	85
44) Trichloroethene	8.866	130	273722	51.008	ug/l	95
45) 1,2-Dichloropropane	9.140	63	257521	51.480	ug/l	95
46) Dibromomethane	9.231	93	139472	49.115	ug/l	95
47) Bromodichloromethane	9.420	83	370630	50.614	ug/l	98
48) Methyl methacrylate	9.219	41	153125	51.089	ug/l	94
49) 1,4-Dioxane	9.244	88	31367	934.941	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	819239	258.572	ug/l	97
52) Toluene	10.170	92	681645	50.552	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	337875	51.283	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	394892	51.693	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	185703	50.503	ug/l	97
56) Ethyl methacrylate	10.439	69	251987	50.936	ug/l	95
57) 1,3-Dichloropropane	10.719	76	323632	50.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	661824	254.251	ug/l	100
59) 2-Hexanone	10.762	43	569731	264.491	ug/l	98
60) Dibromochloromethane	10.908	129	240465	50.629	ug/l	99
61) 1,2-Dibromoethane	11.012	107	171163	49.744	ug/l	97
64) Tetrachloroethene	10.646	164	313364	51.140	ug/l	98
65) Chlorobenzene	11.438	112	724240	50.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	245337	50.822	ug/l	100
67) Ethyl Benzene	11.518	91	1300418	51.930	ug/l	98
68) m/p-Xylenes	11.627	106	1004963	103.817	ug/l	100
69) o-Xylene	11.950	106	463547	50.821	ug/l	97
70) Styrene	11.969	104	785558	51.416	ug/l	99
71) Bromoform	12.133	173	133601	49.704	ug/l #	99
73) Isopropylbenzene	12.255	105	1225056	52.248	ug/l	99
74) N-amyl acetate	12.066	43	275812	52.406	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	193055	51.088	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	149559m	46.207	ug/l	
77) Bromobenzene	12.530	156	269916	50.787	ug/l	99
78) n-propylbenzene	12.597	91	1509384	53.318	ug/l	99
79) 2-Chlorotoluene	12.676	91	835369	52.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	990349	52.322	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	68875	53.760	ug/l	98
82) 4-Chlorotoluene	12.774	91	861600	51.285	ug/l	100
83) tert-Butylbenzene	12.993	119	890540	53.349	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	990271	52.256	ug/l	100
85) sec-Butylbenzene	13.176	105	1328043	52.876	ug/l	99
86) p-Isopropyltoluene	13.292	119	1115979	53.394	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	548086	51.349	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	536033	50.557	ug/l	100
89) n-Butylbenzene	13.615	91	1055023	53.663	ug/l	98
90) Hexachloroethane	13.877	117	219541	52.738	ug/l	94
91) 1,2-Dichlorobenzene	13.658	146	476847	50.695	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31963	49.877	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	268251	50.510	ug/l	97
94) Hexachlorobutadiene	15.023	225	152272	50.704	ug/l	99
95) Naphthalene	15.139	128	477686	49.739	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	225650	49.170	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022946.D
Acq On : 07 Jul 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:41:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

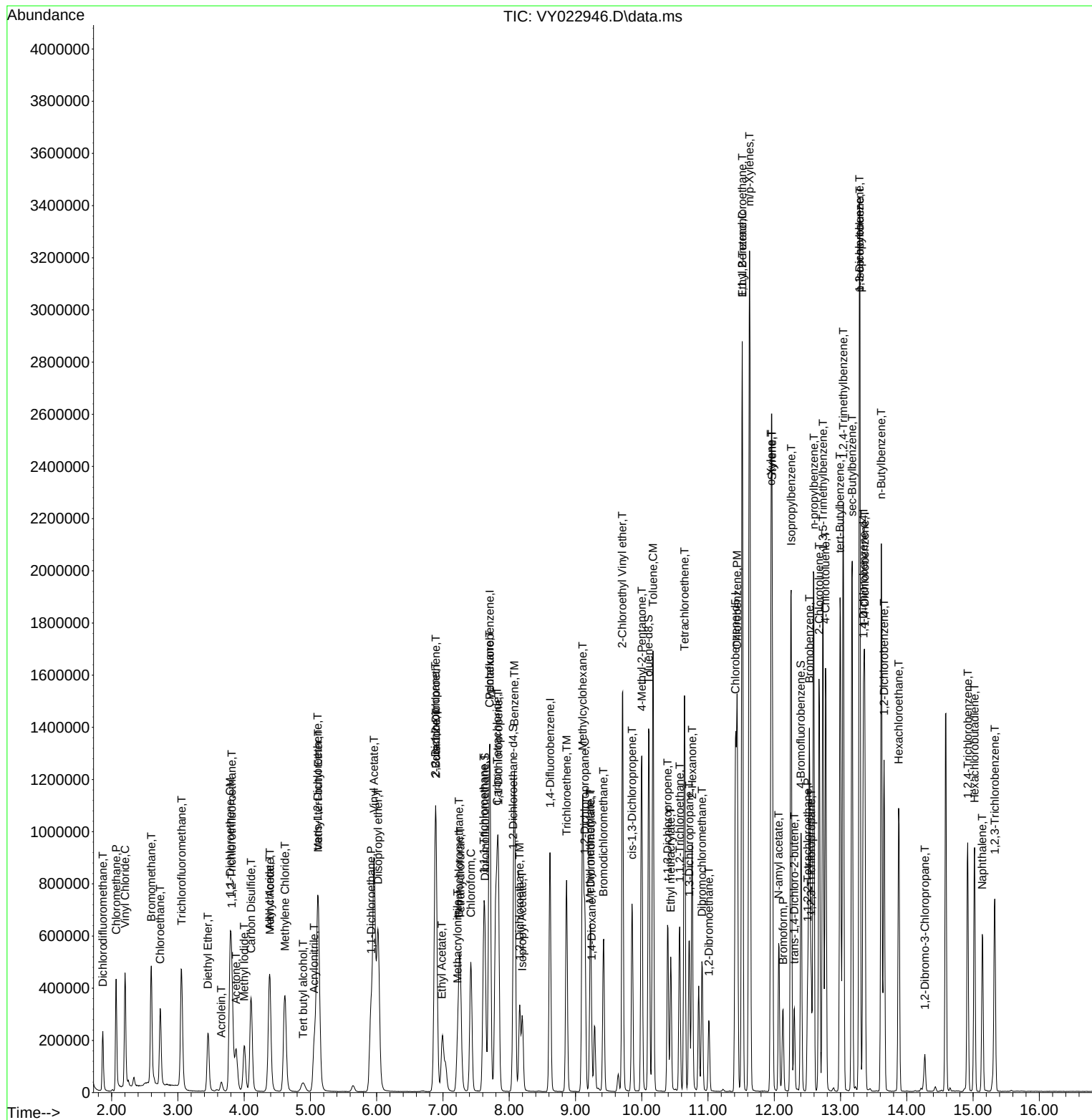
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
 Supervised By :Semsettin Yesilyurt 07/08/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	0.428	0.380	11.2	90	0.00
3 P	Chloromethane	0.816	0.771	5.5	98	0.00
4 C	Vinyl Chloride	1.020	0.912	10.6#	88	0.00
5 T	Bromomethane	0.802	0.649	19.1	85	0.00
6 T	Chloroethane	0.686	0.623	9.2	90	0.00
7 T	Trichlorofluoromethane	1.129	1.008	10.7	87	0.00
8 T	Diethyl Ether	0.279	0.262	6.1	92	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.516	0.504	2.3	98	0.00
10 T	Methyl Iodide	0.562	0.592	-5.3	95	0.00
11 T	Tert butyl alcohol	0.037	0.031	16.2	83	0.00
12 CM	1,1-Dichloroethene	0.506	0.485	4.2#	95	-0.01
13 T	Acrolein	0.050	0.017	66.0#	35#	0.00
14 T	Allyl chloride	0.778	0.785	-0.9	99	0.00
15 T	Acrylonitrile	0.116	0.115	0.9	96	-0.01
16 T	Acetone	0.105	0.125	-19.0	132	0.00
17 T	Carbon Disulfide	1.635	1.542	5.7	93	0.00
18 T	Methyl Acetate	0.349	0.311	10.9	89	0.00
19 T	Methyl tert-butyl Ether	1.378	1.304	5.4	91	-0.01
20 T	Methylene Chloride	0.666	0.591	11.3	101	0.00
21 T	trans-1,2-Dichloroethene	0.578	0.557	3.6	95	-0.01
22 T	Diisopropyl ether	1.729	1.747	-1.0	98	0.00
23 T	Vinyl Acetate	0.955	0.972	-1.8	97	-0.01
24 P	1,1-Dichloroethane	1.044	1.033	1.1	96	0.00
25 T	2-Butanone	0.154	0.158	-2.6	104	0.00
26 T	2,2-Dichloropropane	0.875	0.899	-2.7	102	0.00
27 T	cis-1,2-Dichloroethene	0.672	0.646	3.9	95	0.00
28 T	Bromochloromethane	0.439	0.443	-0.9	97	0.00
29 T	Tetrahydrofuran	0.097	0.094	3.1	93	0.00
30 C	Chloroform	1.076	1.037	3.6#	95	0.00
31 T	Cyclohexane	0.959	0.918	4.3	98	0.00
32 T	1,1,1-Trichloroethane	0.929	0.915	1.5	97	0.00
33 S	1,2-Dichloroethane-d4	0.558	0.526	5.7	95	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35 S	Dibromofluoromethane	0.304	0.304	0.0	96	0.00
36 T	1,1-Dichloropropene	0.461	0.471	-2.2	97	0.00
37 T	Ethyl Acetate	0.199	0.205	-3.0	96	-0.01
38 T	Carbon Tetrachloride	0.486	0.497	-2.3	97	0.00
39 T	Methylcyclohexane	0.596	0.610	-2.3	95	0.00
40 TM	Benzene	1.417	1.451	-2.4	95	0.00
41 T	Methacrylonitrile	0.122	0.116	4.9	93	-0.01
42 TM	1,2-Dichloroethane	0.388	0.385	0.8	93	0.00
43 T	Isopropyl Acetate	0.413	0.412	0.2	91	0.00
44 TM	Trichloroethene	0.356	0.363	-2.0	94	0.00
45 C	1,2-Dichloropropane	0.332	0.341	-2.7#	97	0.00
46 T	Dibromomethane	0.188	0.185	1.6	93	0.00
47 T	Bromodichloromethane	0.485	0.491	-1.2	95	0.00
48 T	Methyl methacrylate	0.199	0.203	-2.0	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	87	0.00
50 S	Toluene-d8	1.207	1.210	-0.2	96	0.00
51 T	4-Methyl-2-Pentanone	0.210	0.217	-3.3	92	0.00
52 CM	Toluene	0.894	0.904	-1.1#	94	0.00
53 T	t-1,3-Dichloropropene	0.437	0.448	-2.5	95	0.00
54 T	cis-1,3-Dichloropropene	0.506	0.524	-3.6	96	0.00
55 T	1,1,2-Trichloroethane	0.244	0.246	-0.8	94	0.00
56 T	Ethyl methacrylate	0.328	0.334	-1.8	91	0.00
57 T	1,3-Dichloropropane	0.425	0.429	-0.9	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.145	0.176	-21.4	100	0.00
59 T	2-Hexanone	0.143	0.151	-5.6	96	0.00
60 T	Dibromochloromethane	0.315	0.319	-1.3	93	0.00
61 T	1,2-Dibromoethane	0.228	0.227	0.4	92	0.00
62 S	4-Bromofluorobenzene	0.388	0.394	-1.5	98	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64 T	Tetrachloroethene	0.472	0.483	-2.3	89	0.00
65 PM	Chlorobenzene	1.099	1.117	-1.6	94	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.378	-1.6	93	0.00
67 C	Ethyl Benzene	1.930	2.005	-3.9#	94	0.00
68 T	m/p-Xylenes	0.746	0.775	-3.9	94	0.00
69 T	o-Xylene	0.703	0.715	-1.7	93	0.00
70 T	Styrene	1.178	1.211	-2.8	92	0.00
71 P	Bromoform	0.207	0.206	0.5	92	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73 T	Isopropylbenzene	3.698	3.864	-4.5	94	0.00
74 T	N-amyl acetate	0.830	0.870	-4.8	89	0.00
75 P	1,1,2,2-Tetrachloroethane	0.596	0.609	-2.2	99	0.00
76 T	1,2,3-Trichloropropane	0.510	0.472	7.5	85	0.00
77 T	Bromobenzene	0.838	0.851	-1.6	92	0.00
78 T	n-propylbenzene	4.465	4.761	-6.6	96	0.00
79 T	2-Chlorotoluene	2.522	2.635	-4.5	94	0.00
80 T	1,3,5-Trimethylbenzene	2.985	3.124	-4.7	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.202	0.217	-7.4	101	0.00
82 T	4-Chlorotoluene	2.650	2.718	-2.6	93	0.00
83 T	tert-Butylbenzene	2.633	2.809	-6.7	95	0.00
84 T	1,2,4-Trimethylbenzene	2.989	3.124	-4.5	93	0.00
85 T	sec-Butylbenzene	3.961	4.189	-5.8	94	0.00
86 T	p-Isopropyltoluene	3.296	3.520	-6.8	95	0.00
87 T	1,3-Dichlorobenzene	1.683	1.729	-2.7	93	0.00
88 T	1,4-Dichlorobenzene	1.672	1.691	-1.1	92	0.00
89 T	n-Butylbenzene	3.101	3.328	-7.3	96	0.00
90 T	Hexachloroethane	0.657	0.692	-5.3	95	0.00
91 T	1,2-Dichlorobenzene	1.483	1.504	-1.4	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.101	0.101	0.0	90	0.00
93 T	1,2,4-Trichlorobenzene	0.838	0.846	-1.0	92	0.00
94 T	Hexachlorobutadiene	0.474	0.480	-1.3	95	0.00
95 T	Naphthalene	1.515	1.507	0.5	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022946.D
Acq On : 07 Jul 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 08 01:41:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.724	0.712	1.7	90	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	50.000	44.471	11.1	90	0.00
3 P	Chloromethane	50.000	47.245	5.5	98	0.00
4 C	Vinyl Chloride	50.000	44.717	10.6#	88	0.00
5 T	Bromomethane	50.000	40.443	19.1	85	0.00
6 T	Chloroethane	50.000	45.459	9.1	90	0.00
7 T	Trichlorofluoromethane	50.000	44.645	10.7	87	0.00
8 T	Diethyl Ether	50.000	46.996	6.0	92	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.799	2.4	98	0.00
10 T	Methyl Iodide	50.000	52.700	-5.4	95	0.00
11 T	Tert butyl alcohol	250.000	211.961	15.2	83	0.00
12 CM	1,1-Dichloroethene	50.000	47.897	4.2#	95	-0.01
13 T	Acrolein	250.000	86.631	65.3#	35	0.00
14 T	Allyl chloride	50.000	50.437	-0.9	99	0.00
15 T	Acrylonitrile	250.000	246.227	1.5	96	-0.01
16 T	Acetone	250.000	297.244	-18.9	132	0.00
17 T	Carbon Disulfide	50.000	47.148	5.7	93	0.00
18 T	Methyl Acetate	50.000	44.534	10.9	89	0.00
19 T	Methyl tert-butyl Ether	50.000	47.301	5.4	91	-0.01
20 T	Methylene Chloride	50.000	44.396	11.2	101	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.190	3.6	95	-0.01
22 T	Diisopropyl ether	50.000	50.524	-1.0	98	0.00
23 T	Vinyl Acetate	250.000	254.469	-1.8	97	-0.01
24 P	1,1-Dichloroethane	50.000	49.442	1.1	96	0.00
25 T	2-Butanone	250.000	257.909	-3.2	104	0.00
26 T	2,2-Dichloropropane	50.000	51.333	-2.7	102	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.094	3.8	95	0.00
28 T	Bromochloromethane	50.000	50.456	-0.9	97	0.00
29 T	Tetrahydrofuran	250.000	243.613	2.6	93	0.00
30 C	Chloroform	50.000	48.220	3.6#	95	0.00
31 T	Cyclohexane	50.000	47.890	4.2	98	0.00
32 T	1,1,1-Trichloroethane	50.000	49.231	1.5	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.137	5.7	95	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35 S	Dibromofluoromethane	50.000	49.940	0.1	96	0.00
36 T	1,1-Dichloropropene	50.000	51.139	-2.3	97	0.00
37 T	Ethyl Acetate	50.000	51.513	-3.0	96	-0.01
38 T	Carbon Tetrachloride	50.000	51.067	-2.1	97	0.00
39 T	Methylcyclohexane	50.000	51.165	-2.3	95	0.00
40 TM	Benzene	50.000	51.185	-2.4	95	0.00
41 T	Methacrylonitrile	50.000	47.523	5.0	93	-0.01
42 TM	1,2-Dichloroethane	50.000	49.608	0.8	93	0.00
43 T	Isopropyl Acetate	50.000	49.895	0.2	91	0.00
44 TM	Trichloroethene	50.000	51.008	-2.0	94	0.00
45 C	1,2-Dichloropropane	50.000	51.480	-3.0#	97	0.00
46 T	Dibromomethane	50.000	49.115	1.8	93	0.00
47 T	Bromodichloromethane	50.000	50.614	-1.2	95	0.00
48 T	Methyl methacrylate	50.000	51.089	-2.2	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022946.D
 Acq On : 07 Jul 2025 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 08 01:41:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	934.941	6.5	87	0.00
50 S	Toluene-d8	50.000	50.139	-0.3	96	0.00
51 T	4-Methyl-2-Pentanone	250.000	258.572	-3.4	92	0.00
52 CM	Toluene	50.000	50.552	-1.1#	94	0.00
53 T	t-1,3-Dichloropropene	50.000	51.283	-2.6	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.693	-3.4	96	0.00
55 T	1,1,2-Trichloroethane	50.000	50.503	-1.0	94	0.00
56 T	Ethyl methacrylate	50.000	50.936	-1.9	91	0.00
57 T	1,3-Dichloropropane	50.000	50.446	-0.9	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	254.251	-1.7	100	0.00
59 T	2-Hexanone	250.000	264.491	-5.8	96	0.00
60 T	Dibromochloromethane	50.000	50.629	-1.3	93	0.00
61 T	1,2-Dibromoethane	50.000	49.744	0.5	92	0.00
62 S	4-Bromofluorobenzene	50.000	50.848	-1.7	98	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64 T	Tetrachloroethene	50.000	51.140	-2.3	89	0.00
65 PM	Chlorobenzene	50.000	50.815	-1.6	94	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.822	-1.6	93	0.00
67 C	Ethyl Benzene	50.000	51.930	-3.9#	94	0.00
68 T	m/p-Xylenes	100.000	103.817	-3.8	94	0.00
69 T	o-Xylene	50.000	50.821	-1.6	93	0.00
70 T	Styrene	50.000	51.416	-2.8	92	0.00
71 P	Bromoform	50.000	49.704	0.6	92	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73 T	Isopropylbenzene	50.000	52.248	-4.5	94	0.00
74 T	N-ethyl acetate	50.000	52.406	-4.8	89	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.088	-2.2	99	0.00
76 T	1,2,3-Trichloropropane	50.000	46.207	7.6	85	0.00
77 T	Bromobenzene	50.000	50.787	-1.6	92	0.00
78 T	n-propylbenzene	50.000	53.318	-6.6	96	0.00
79 T	2-Chlorotoluene	50.000	52.230	-4.5	94	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.322	-4.6	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	53.760	-7.5	101	0.00
82 T	4-Chlorotoluene	50.000	51.285	-2.6	93	0.00
83 T	tert-Butylbenzene	50.000	53.349	-6.7	95	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.256	-4.5	93	0.00
85 T	sec-Butylbenzene	50.000	52.876	-5.8	94	0.00
86 T	p-Isopropyltoluene	50.000	53.394	-6.8	95	0.00
87 T	1,3-Dichlorobenzene	50.000	51.349	-2.7	93	0.00
88 T	1,4-Dichlorobenzene	50.000	50.557	-1.1	92	0.00
89 T	n-Butylbenzene	50.000	53.663	-7.3	96	0.00
90 T	Hexachloroethane	50.000	52.738	-5.5	95	0.00
91 T	1,2-Dichlorobenzene	50.000	50.695	-1.4	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.877	0.2	90	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.510	-1.0	92	0.00
94 T	Hexachlorobutadiene	50.000	50.704	-1.4	95	0.00
95 T	Naphthalene	50.000	49.739	0.5	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022946.D
Acq On : 07 Jul 2025 09:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 08 01:41:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.170	1.7	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/08/2025 11:15</u>
Lab File ID:	<u>VY022968.D</u>	Init. Calib. Date(s):	<u>06/23/2025 06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:38 15:31</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.354		-17.29	20
Chloromethane	0.816	0.814	0.1	-0.25	20
Vinyl Chloride	1.020	0.965		-5.39	20
Bromomethane	0.802	0.764		-4.74	20
Chloroethane	0.686	0.670		-2.33	20
Trichlorofluoromethane	1.129	1.053		-6.73	20
1,1,2-Trichlorotrifluoroethane	0.516	0.487		-5.62	20
1,1-Dichloroethene	0.506	0.476		-5.93	20
Acetone	0.105	0.122		16.19	20
Carbon Disulfide	1.635	1.468		-10.21	20
Methyl tert-butyl Ether	1.378	1.374		-0.29	20
Methyl Acetate	0.349	0.354		1.43	20
Methylene Chloride	0.666	0.638		-4.2	20
trans-1,2-Dichloroethene	0.578	0.544		-5.88	20
1,1-Dichloroethane	1.044	1.034	0.1	-0.96	20
Cyclohexane	0.959	0.901		-6.05	20
2-Butanone	0.154	0.165		7.14	20
Carbon Tetrachloride	0.486	0.476		-2.06	20
cis-1,2-Dichloroethene	0.672	0.641		-4.61	20
Bromochloromethane	0.439	0.454		3.42	20
Chloroform	1.076	1.046		-2.7	20
1,1,1-Trichloroethane	0.929	0.902		-2.91	20
Methylcyclohexane	0.596	0.582		-2.35	20
Benzene	1.417	1.404		-0.92	20
1,2-Dichloroethane	0.388	0.393		1.29	20
Trichloroethene	0.356	0.347		-2.53	20
1,2-Dichloropropane	0.332	0.337		1.51	20
Bromodichloromethane	0.485	0.482		-0.62	20
4-Methyl-2-Pentanone	0.210	0.230		9.52	20
Toluene	0.894	0.893		-0.11	20
t-1,3-Dichloropropene	0.437	0.444		1.6	20
cis-1,3-Dichloropropene	0.506	0.518		2.37	20
1,1,2-Trichloroethane	0.244	0.245		0.41	20
2-Hexanone	0.143	0.158		10.49	20
Dibromochloromethane	0.315	0.313		-0.63	20
1,2-Dibromoethane	0.228	0.231		1.32	20
Tetrachloroethene	0.472	0.449		-4.87	20
Chlorobenzene	1.099	1.090	0.3	-0.82	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2480</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/08/2025 11:15</u>
Lab File ID:	<u>VY022968.D</u>	Init. Calib. Date(s):	<u>06/23/2025 06/23/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:38 15:31</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	1.941		0.57	20
m/p-Xylenes	0.746	0.752		0.8	20
o-Xylene	0.703	0.706		0.43	20
Styrene	1.178	1.195		1.44	20
Bromoform	0.207	0.210	0.1	1.45	20
Isopropylbenzene	3.698	3.689		-0.24	20
1,1,2,2-Tetrachloroethane	0.596	0.621	0.3	4.2	20
1,3-Dichlorobenzene	1.683	1.671		-0.71	20
1,4-Dichlorobenzene	1.672	1.637		-2.09	20
1,2-Dichlorobenzene	1.483	1.455		-1.89	20
1,2-Dibromo-3-Chloropropane	0.101	0.103		1.98	20
1,2,4-Trichlorobenzene	0.838	0.807		-3.7	20
1,2,3-Trichlorobenzene	0.724	0.692		-4.42	20
1,2-Dichloroethane-d4	0.558	0.544		-2.51	20
Dibromofluoromethane	0.304	0.301		-0.99	20
Toluene-d8	1.207	1.196		-0.91	20
4-Bromofluorobenzene	0.388	0.385		-0.77	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022968.D
 Acq On : 08 Jul 2025 11:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
 Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	422213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	699147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	604420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	299896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	229651	48.734	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.460%		
35) Dibromofluoromethane	7.634	113	210270	49.453	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.103	98	836224	49.563	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.120%		
62) 4-Bromofluorobenzene	12.402	95	269321	49.655	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	149623	41.443	ug/l	98
3) Chloromethane	2.062	50	343616	49.842	ug/l	99
4) Vinyl Chloride	2.202	62	407515	47.314	ug/l	99
5) Bromomethane	2.592	94	322765	47.667	ug/l	99
6) Chloroethane	2.733	64	282805	48.847	ug/l	96
7) Trichlorofluoromethane	3.050	101	444726	46.632	ug/l	98
8) Diethyl Ether	3.452	74	114921	48.788	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	205556	47.163	ug/l	98
10) Methyl Iodide	4.001	142	229777	48.422	ug/l	100
11) Tert butyl alcohol	4.891	59	73729	235.303	ug/l	98
12) 1,1-Dichloroethene	3.787	96	200956	47.023	ug/l	96
13) Acrolein	3.653	56	35675	83.964	ug/l	98
14) Allyl chloride	4.379	41	328644	49.997	ug/l	93
15) Acrylonitrile	5.061	53	258033	262.553	ug/l	99
16) Acetone	3.879	43	257814	289.462	ug/l	99
17) Carbon Disulfide	4.104	76	619895	44.901	ug/l	98
18) Methyl Acetate	4.391	43	149302	50.618	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	580175	49.858	ug/l	98
20) Methylene Chloride	4.610	84	269514	47.915	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	229798	47.049	ug/l	99
22) Diisopropyl ether	6.019	45	751423	51.474	ug/l	97
23) Vinyl Acetate	5.958	43	2119466	262.885	ug/l	99
24) 1,1-Dichloroethane	5.915	63	436629	49.518	ug/l	100
25) 2-Butanone	6.896	43	349329	269.483	ug/l	100
26) 2,2-Dichloropropane	6.884	77	374240	50.632	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	270604	47.679	ug/l	98
28) Bromochloromethane	7.244	49	191649	51.699	ug/l	98
29) Tetrahydrofuran	7.262	42	212839	260.023	ug/l	99
30) Chloroform	7.421	83	441657	48.631	ug/l	97
31) Cyclohexane	7.701	56	380221	46.976	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	380935	48.538	ug/l	99
36) 1,1-Dichloropropene	7.835	75	315647	48.977	ug/l	100
37) Ethyl Acetate	6.982	43	147325	52.975	ug/l	98
38) Carbon Tetrachloride	7.817	117	332658	48.919	ug/l	98
39) Methylcyclohexane	9.109	83	407044	48.805	ug/l	98
40) Benzene	8.079	78	981522	49.535	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022968.D
 Acq On : 08 Jul 2025 11:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025

Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:28:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Quant Title : SW846 8260

QLast Update : Tue Jun 24 08:29:52 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	88654m	51.782	ug/l	
42) 1,2-Dichloroethane	8.158	62	274470	50.549	ug/l	98
43) Isopropyl Acetate	8.195	43	298943	51.720	ug/l	98
44) Trichloroethene	8.866	130	242274	48.699	ug/l	97
45) 1,2-Dichloropropane	9.140	63	235525	50.787	ug/l	98
46) Dibromomethane	9.231	93	128619	48.856	ug/l	97
47) Bromodichloromethane	9.420	83	337139	49.662	ug/l	99
48) Methyl methacrylate	9.219	41	147422	53.055	ug/l	95
49) 1,4-Dioxane	9.238	88	29112	935.983	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	805586	274.263	ug/l	96
52) Toluene	10.170	92	624132	49.927	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	310743	50.875	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	361870	51.096	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	171246	50.234	ug/l	96
56) Ethyl methacrylate	10.438	69	242187	52.806	ug/l	96
57) 1,3-Dichloropropane	10.713	76	302943	50.936	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	603617	250.384	ug/l	100
59) 2-Hexanone	10.762	43	553668	277.252	ug/l	98
60) Dibromochloromethane	10.908	129	219069	49.752	ug/l	99
61) 1,2-Dibromoethane	11.012	107	161320	50.571	ug/l	96
64) Tetrachloroethene	10.646	164	271407	47.532	ug/l	97
65) Chlorobenzene	11.438	112	658562	49.587	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	218679	48.613	ug/l	98
67) Ethyl Benzene	11.518	91	1173329	50.283	ug/l	100
68) m/p-Xylenes	11.627	106	909491	100.827	ug/l	99
69) o-Xylene	11.950	106	427017	50.241	ug/l	99
70) Styrene	11.969	104	722455	50.745	ug/l	100
71) Bromoform	12.127	173	126644	50.562	ug/l #	98
73) Isopropylbenzene	12.249	105	1106215	49.876	ug/l	99
74) N-amyl acetate	12.066	43	276141	55.468	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	186145	52.075	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	142722m	46.616	ug/l	
77) Bromobenzene	12.530	156	244775	48.689	ug/l	98
78) n-propylbenzene	12.591	91	1361710	50.851	ug/l	99
79) 2-Chlorotoluene	12.676	91	752647	49.747	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	903028	50.436	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	64957	53.600	ug/l	98
82) 4-Chlorotoluene	12.773	91	784229	49.348	ug/l	100
83) tert-Butylbenzene	12.993	119	816569	51.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	909008	50.709	ug/l	100
85) sec-Butylbenzene	13.170	105	1212780	51.047	ug/l	100
86) p-Isopropyltoluene	13.286	119	1009710	51.071	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	501096	49.630	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	490881	48.945	ug/l	100
89) n-Butylbenzene	13.615	91	958353	51.532	ug/l	99
90) Hexachloroethane	13.877	117	196196	49.824	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	436344	49.040	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30913	50.996	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	241936	48.159	ug/l	98
94) Hexachlorobutadiene	15.023	225	134640	47.395	ug/l	98
95) Naphthalene	15.139	128	456314	50.229	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	207639	47.831	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022968.D
Acq On : 08 Jul 2025 11:15
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022968.D
 Acq On : 08 Jul 2025 11:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
 Supervised By :Semsettin Yesilyurt 07/09/2025

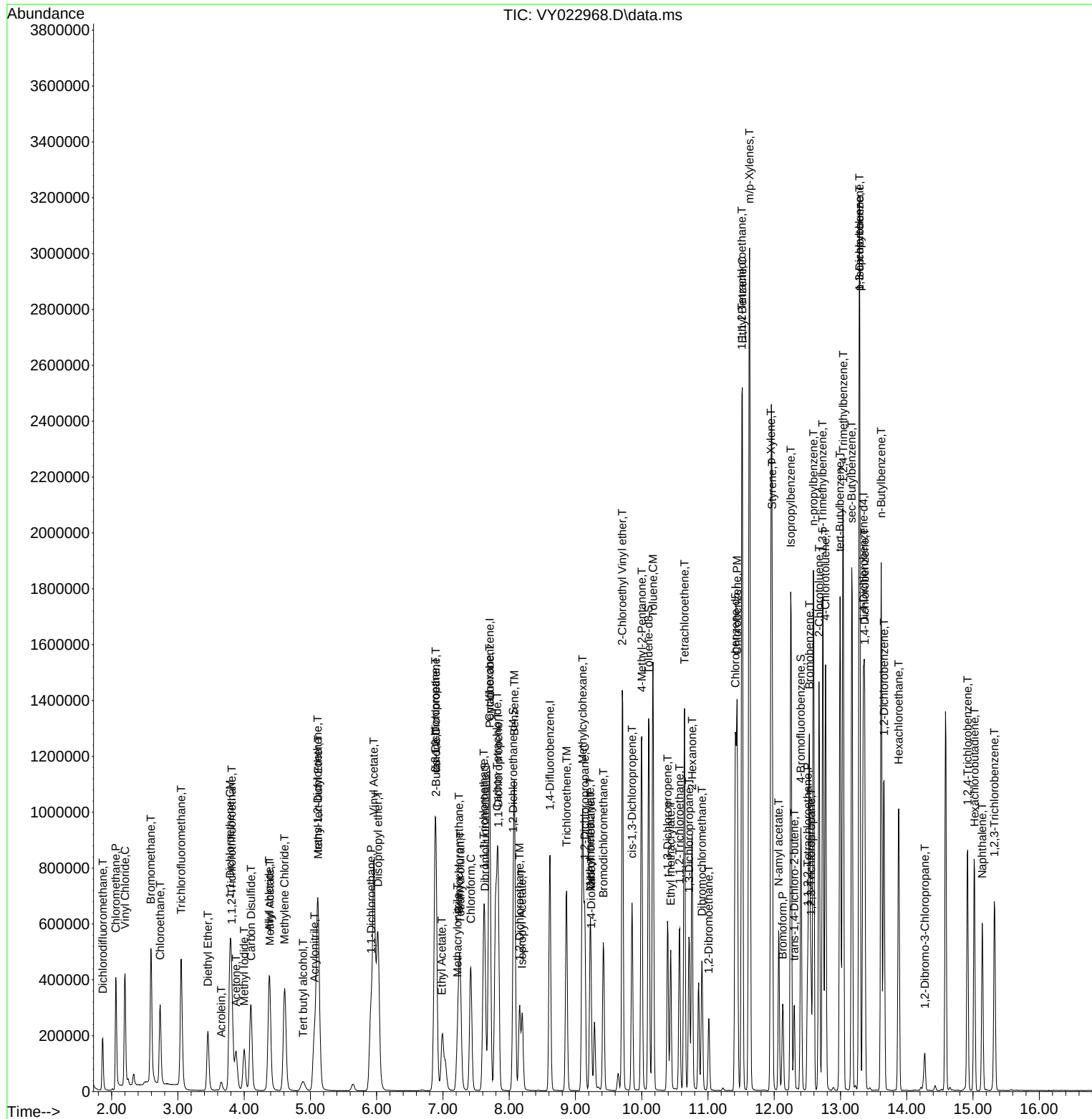
Quant Time: Jul 09 02:28:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Quant Title : SW846 8260

QLast Update : Tue Jun 24 08:29:52 2025

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022968.D
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 Operator : SY/MD
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 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 09 02:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	91	0.00
2 T	Dichlorodifluoromethane	0.428	0.354	17.3	76	0.00
3 P	Chloromethane	0.816	0.814	0.2	93	0.00
4 C	Vinyl Chloride	1.020	0.965	5.4#	84	0.00
5 T	Bromomethane	0.802	0.764	4.7	90	0.00
6 T	Chloroethane	0.686	0.670	2.3	87	0.00
7 T	Trichlorofluoromethane	1.129	1.053	6.7	82	0.00
8 T	Diethyl Ether	0.279	0.272	2.5	86	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.516	0.487	5.6	86	0.00
10 T	Methyl Iodide	0.562	0.544	3.2	79	0.00
11 T	Tert butyl alcohol	0.037	0.035	5.4	83	0.00
12 CM	1,1-Dichloroethene	0.506	0.476	5.9#	84	-0.01
13 T	Acrolein	0.050	0.017	66.0#	31#	0.00
14 T	Allyl chloride	0.778	0.778	0.0	88	-0.01
15 T	Acrylonitrile	0.116	0.122	-5.2	92	0.00
16 T	Acetone	0.105	0.122	-16.2	116	0.00
17 T	Carbon Disulfide	1.635	1.468	10.2	80	0.00
18 T	Methyl Acetate	0.349	0.354	-1.4	91	0.00
19 T	Methyl tert-butyl Ether	1.378	1.374	0.3	87	-0.01
20 T	Methylene Chloride	0.666	0.638	4.2	98	-0.01
21 T	trans-1,2-Dichloroethene	0.578	0.544	5.9	83	-0.01
22 T	Diisopropyl ether	1.729	1.780	-2.9	90	0.00
23 T	Vinyl Acetate	0.955	1.004	-5.1	90	-0.01
24 P	1,1-Dichloroethane	1.044	1.034	1.0	87	0.00
25 T	2-Butanone	0.154	0.165	-7.1	98	0.00
26 T	2,2-Dichloropropane	0.875	0.886	-1.3	91	0.00
27 T	cis-1,2-Dichloroethene	0.672	0.641	4.6	85	0.00
28 T	Bromochloromethane	0.439	0.454	-3.4	90	0.00
29 T	Tetrahydrofuran	0.097	0.101	-4.1	90	0.00
30 C	Chloroform	1.076	1.046	2.8#	86	0.00
31 T	Cyclohexane	0.959	0.901	6.0	86	0.00
32 T	1,1,1-Trichloroethane	0.929	0.902	2.9	86	0.00
33 S	1,2-Dichloroethane-d4	0.558	0.544	2.5	88	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35 S	Dibromofluoromethane	0.304	0.301	1.0	88	0.00
36 T	1,1-Dichloropropene	0.461	0.451	2.2	86	0.00
37 T	Ethyl Acetate	0.199	0.211	-6.0	91	-0.01
38 T	Carbon Tetrachloride	0.486	0.476	2.1	86	0.00
39 T	Methylcyclohexane	0.596	0.582	2.3	84	0.00
40 TM	Benzene	1.417	1.404	0.9	85	0.00
41 T	Methacrylonitrile	0.122	0.127	-4.1	94	-0.01
42 TM	1,2-Dichloroethane	0.388	0.393	-1.3	87	0.00
43 T	Isopropyl Acetate	0.413	0.428	-3.6	87	0.00
44 TM	Trichloroethene	0.356	0.347	2.5	83	0.00
45 C	1,2-Dichloropropane	0.332	0.337	-1.5#	88	0.00
46 T	Dibromomethane	0.188	0.184	2.1	86	0.00
47 T	Bromodichloromethane	0.485	0.482	0.6	86	0.00
48 T	Methyl methacrylate	0.199	0.211	-6.0	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022968.D
 Acq On : 08 Jul 2025 11:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 09 02:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.002	0.002	0.0	80	0.00
50 S	Toluene-d8	1.207	1.196	0.9	88	0.00
51 T	4-Methyl-2-Pentanone	0.210	0.230	-9.5	91	0.00
52 CM	Toluene	0.894	0.893	0.1#	86	0.00
53 T	t-1,3-Dichloropropene	0.437	0.444	-1.6	88	0.00
54 T	cis-1,3-Dichloropropene	0.506	0.518	-2.4	88	0.00
55 T	1,1,2-Trichloroethane	0.244	0.245	-0.4	86	0.00
56 T	Ethyl methacrylate	0.328	0.346	-5.5	87	0.00
57 T	1,3-Dichloropropane	0.425	0.433	-1.9	88	0.00
58 T	2-Chloroethyl Vinyl ether	0.145	0.173	-19.3	91	0.00
59 T	2-Hexanone	0.143	0.158	-10.5	93	0.00
60 T	Dibromochloromethane	0.315	0.313	0.6	85	0.00
61 T	1,2-Dibromoethane	0.228	0.231	-1.3	87	0.00
62 S	4-Bromofluorobenzene	0.388	0.385	0.8	89	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64 T	Tetrachloroethene	0.472	0.449	4.9	77	0.00
65 PM	Chlorobenzene	1.099	1.090	0.8	86	0.00
66 T	1,1,1,2-Tetrachloroethane	0.372	0.362	2.7	83	0.00
67 C	Ethyl Benzene	1.930	1.941	-0.6#	85	0.00
68 T	m/p-Xylenes	0.746	0.752	-0.8	85	0.00
69 T	o-Xylene	0.703	0.706	-0.4	85	0.00
70 T	Styrene	1.178	1.195	-1.4	85	0.00
71 P	Bromoform	0.207	0.210	-1.4	87	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73 T	Isopropylbenzene	3.698	3.689	0.2	85	0.00
74 T	N-amyl acetate	0.830	0.921	-11.0	89	0.00
75 P	1,1,2,2-Tetrachloroethane	0.596	0.621	-4.2	95	0.00
76 T	1,2,3-Trichloropropane	0.510	0.476	6.7	81	0.00
77 T	Bromobenzene	0.838	0.816	2.6	83	0.00
78 T	n-propylbenzene	4.465	4.541	-1.7	87	0.00
79 T	2-Chlorotoluene	2.522	2.510	0.5	85	0.00
80 T	1,3,5-Trimethylbenzene	2.985	3.011	-0.9	86	0.00
81 T	trans-1,4-Dichloro-2-butene	0.202	0.217	-7.4	95	0.00
82 T	4-Chlorotoluene	2.650	2.615	1.3	84	0.00
83 T	tert-Butylbenzene	2.633	2.723	-3.4	87	0.00
84 T	1,2,4-Trimethylbenzene	2.989	3.031	-1.4	85	0.00
85 T	sec-Butylbenzene	3.961	4.044	-2.1	86	0.00
86 T	p-Isopropyltoluene	3.296	3.367	-2.2	86	0.00
87 T	1,3-Dichlorobenzene	1.683	1.671	0.7	85	0.00
88 T	1,4-Dichlorobenzene	1.672	1.637	2.1	84	0.00
89 T	n-Butylbenzene	3.101	3.196	-3.1	87	0.00
90 T	Hexachloroethane	0.657	0.654	0.5	85	0.00
91 T	1,2-Dichlorobenzene	1.483	1.455	1.9	84	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.101	0.103	-2.0	87	0.00
93 T	1,2,4-Trichlorobenzene	0.838	0.807	3.7	83	0.00
94 T	Hexachlorobutadiene	0.474	0.449	5.3	84	0.00
95 T	Naphthalene	1.515	1.522	-0.5	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022968.D
Acq On : 08 Jul 2025 11:15
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 09 02:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.724	0.692	4.4	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022968.D
 Acq On : 08 Jul 2025 11:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 09 02:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	91	0.00
2 T	Dichlorodifluoromethane	50.000	41.443	17.1	76	0.00
3 P	Chloromethane	50.000	49.842	0.3	93	0.00
4 C	Vinyl Chloride	50.000	47.314	5.4#	84	0.00
5 T	Bromomethane	50.000	47.667	4.7	90	0.00
6 T	Chloroethane	50.000	48.847	2.3	87	0.00
7 T	Trichlorofluoromethane	50.000	46.632	6.7	82	0.00
8 T	Diethyl Ether	50.000	48.788	2.4	86	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.163	5.7	86	0.00
10 T	Methyl Iodide	50.000	48.422	3.2	79	0.00
11 T	Tert butyl alcohol	250.000	235.303	5.9	83	0.00
12 CM	1,1-Dichloroethene	50.000	47.023	6.0#	84	-0.01
13 T	Acrolein	250.000	83.964	66.4#	31	0.00
14 T	Allyl chloride	50.000	49.997	0.0	88	-0.01
15 T	Acrylonitrile	250.000	262.553	-5.0	92	0.00
16 T	Acetone	250.000	289.462	-15.8	116	0.00
17 T	Carbon Disulfide	50.000	44.901	10.2	80	0.00
18 T	Methyl Acetate	50.000	50.618	-1.2	91	0.00
19 T	Methyl tert-butyl Ether	50.000	49.858	0.3	87	-0.01
20 T	Methylene Chloride	50.000	47.915	4.2	98	-0.01
21 T	trans-1,2-Dichloroethene	50.000	47.049	5.9	83	-0.01
22 T	Diisopropyl ether	50.000	51.474	-2.9	90	0.00
23 T	Vinyl Acetate	250.000	262.885	-5.2	90	-0.01
24 P	1,1-Dichloroethane	50.000	49.518	1.0	87	0.00
25 T	2-Butanone	250.000	269.483	-7.8	98	0.00
26 T	2,2-Dichloropropane	50.000	50.632	-1.3	91	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.679	4.6	85	0.00
28 T	Bromochloromethane	50.000	51.699	-3.4	90	0.00
29 T	Tetrahydrofuran	250.000	260.023	-4.0	90	0.00
30 C	Chloroform	50.000	48.631	2.7#	86	0.00
31 T	Cyclohexane	50.000	46.976	6.0	86	0.00
32 T	1,1,1-Trichloroethane	50.000	48.538	2.9	86	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.734	2.5	88	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35 S	Dibromofluoromethane	50.000	49.453	1.1	88	0.00
36 T	1,1-Dichloropropene	50.000	48.977	2.0	86	0.00
37 T	Ethyl Acetate	50.000	52.975	-6.0	91	-0.01
38 T	Carbon Tetrachloride	50.000	48.919	2.2	86	0.00
39 T	Methylcyclohexane	50.000	48.805	2.4	84	0.00
40 TM	Benzene	50.000	49.535	0.9	85	0.00
41 T	Methacrylonitrile	50.000	51.782	-3.6	94	-0.01
42 TM	1,2-Dichloroethane	50.000	50.549	-1.1	87	0.00
43 T	Isopropyl Acetate	50.000	51.720	-3.4	87	0.00
44 TM	Trichloroethene	50.000	48.699	2.6	83	0.00
45 C	1,2-Dichloropropane	50.000	50.787	-1.6#	88	0.00
46 T	Dibromomethane	50.000	48.856	2.3	86	0.00
47 T	Bromodichloromethane	50.000	49.662	0.7	86	0.00
48 T	Methyl methacrylate	50.000	53.055	-6.1	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022968.D
 Acq On : 08 Jul 2025 11:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 09 02:28:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	935.983	6.4	80	0.00
50 S	Toluene-d8	50.000	49.563	0.9	88	0.00
51 T	4-Methyl-2-Pentanone	250.000	274.263	-9.7	91	0.00
52 CM	Toluene	50.000	49.927	0.1#	86	0.00
53 T	t-1,3-Dichloropropene	50.000	50.875	-1.8	88	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.096	-2.2	88	0.00
55 T	1,1,2-Trichloroethane	50.000	50.234	-0.5	86	0.00
56 T	Ethyl methacrylate	50.000	52.806	-5.6	87	0.00
57 T	1,3-Dichloropropane	50.000	50.936	-1.9	88	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	250.384	-0.2	91	0.00
59 T	2-Hexanone	250.000	277.252	-10.9	93	0.00
60 T	Dibromochloromethane	50.000	49.752	0.5	85	0.00
61 T	1,2-Dibromoethane	50.000	50.571	-1.1	87	0.00
62 S	4-Bromofluorobenzene	50.000	49.655	0.7	89	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64 T	Tetrachloroethene	50.000	47.532	4.9	77	0.00
65 PM	Chlorobenzene	50.000	49.587	0.8	86	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.613	2.8	83	0.00
67 C	Ethyl Benzene	50.000	50.283	-0.6#	85	0.00
68 T	m/p-Xylenes	100.000	100.827	-0.8	85	0.00
69 T	o-Xylene	50.000	50.241	-0.5	85	0.00
70 T	Styrene	50.000	50.745	-1.5	85	0.00
71 P	Bromoform	50.000	50.562	-1.1	87	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73 T	Isopropylbenzene	50.000	49.876	0.2	85	0.00
74 T	N-amyl acetate	50.000	55.468	-10.9	89	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.075	-4.2	95	0.00
76 T	1,2,3-Trichloropropane	50.000	46.616	6.8	81	0.00
77 T	Bromobenzene	50.000	48.689	2.6	83	0.00
78 T	n-propylbenzene	50.000	50.851	-1.7	87	0.00
79 T	2-Chlorotoluene	50.000	49.747	0.5	85	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.436	-0.9	86	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	53.600	-7.2	95	0.00
82 T	4-Chlorotoluene	50.000	49.348	1.3	84	0.00
83 T	tert-Butylbenzene	50.000	51.713	-3.4	87	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.709	-1.4	85	0.00
85 T	sec-Butylbenzene	50.000	51.047	-2.1	86	0.00
86 T	p-Isopropyltoluene	50.000	51.071	-2.1	86	0.00
87 T	1,3-Dichlorobenzene	50.000	49.630	0.7	85	0.00
88 T	1,4-Dichlorobenzene	50.000	48.945	2.1	84	0.00
89 T	n-Butylbenzene	50.000	51.532	-3.1	87	0.00
90 T	Hexachloroethane	50.000	49.824	0.4	85	0.00
91 T	1,2-Dichlorobenzene	50.000	49.040	1.9	84	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.996	-2.0	87	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.159	3.7	83	0.00
94 T	Hexachlorobutadiene	50.000	47.395	5.2	84	0.00
95 T	Naphthalene	50.000	50.229	-0.5	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022968.D
Acq On : 08 Jul 2025 11:15
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jul 09 02:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.831	4.3	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



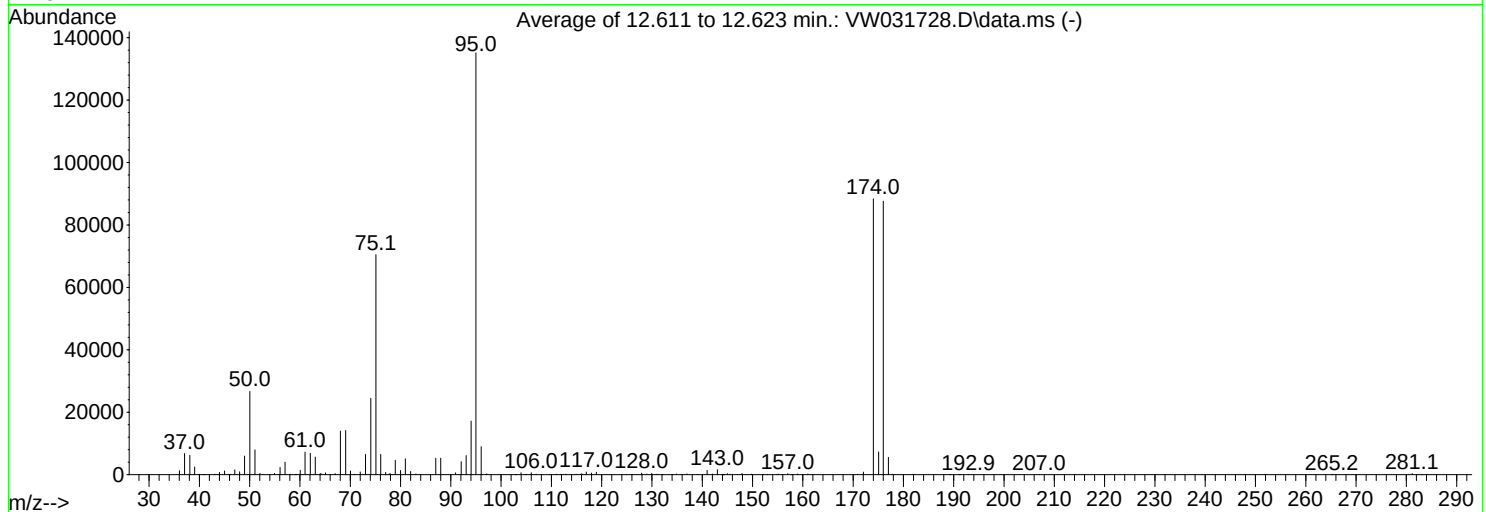
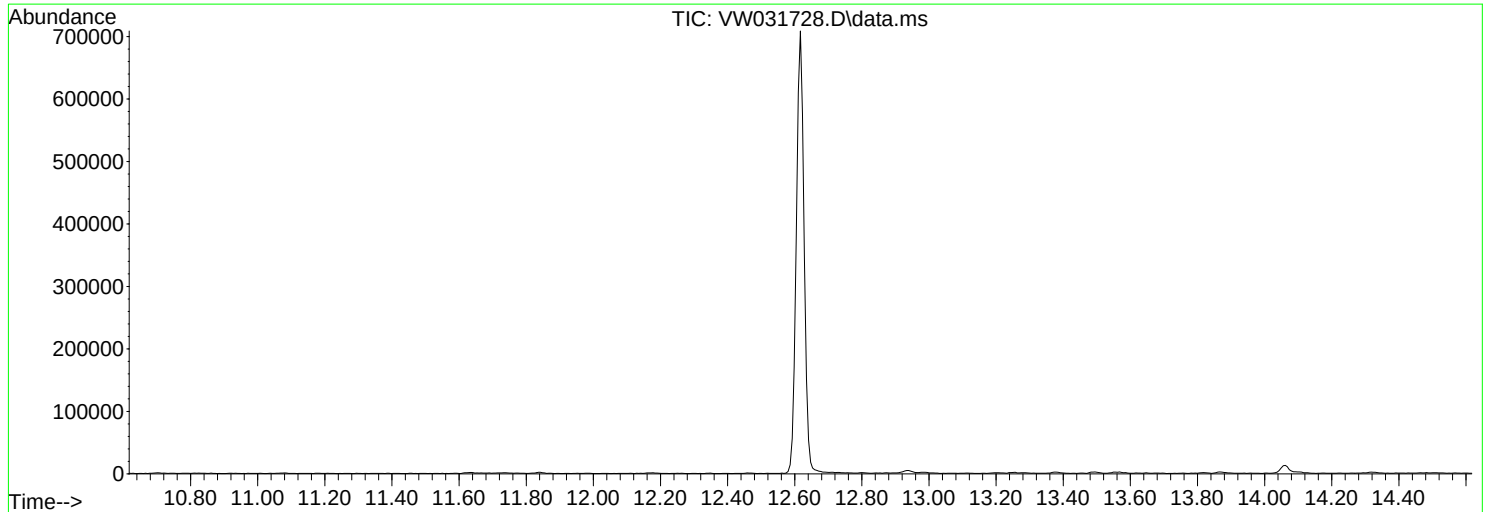
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031728.D
Acq On : 30 Jun 2025 08:56
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

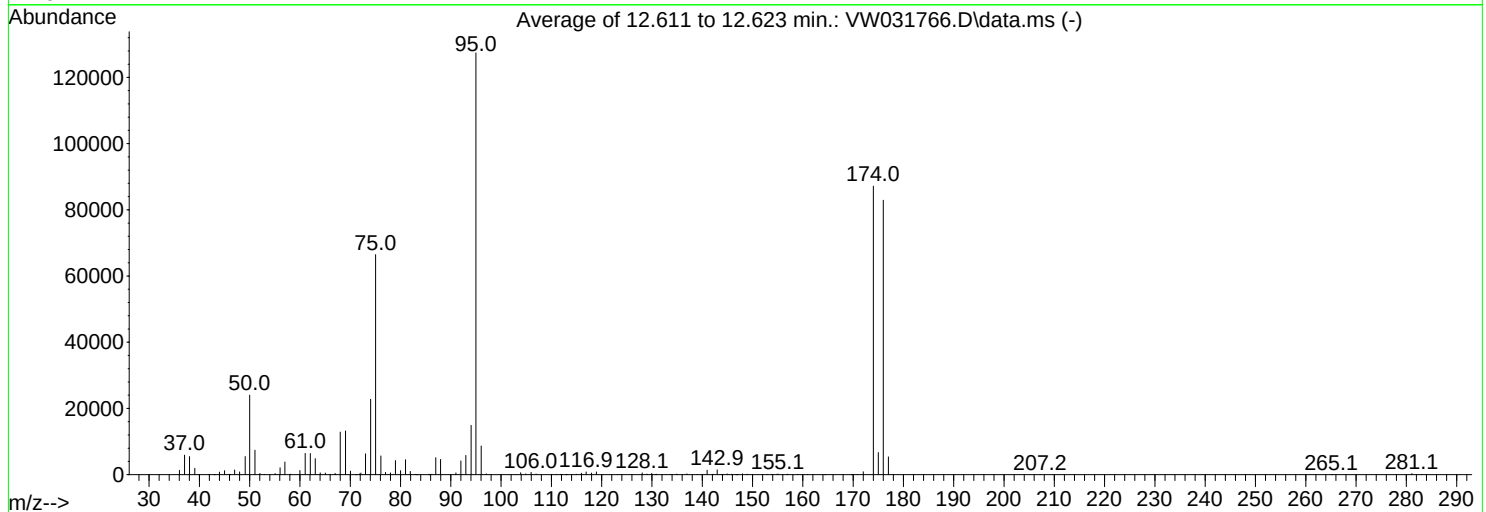
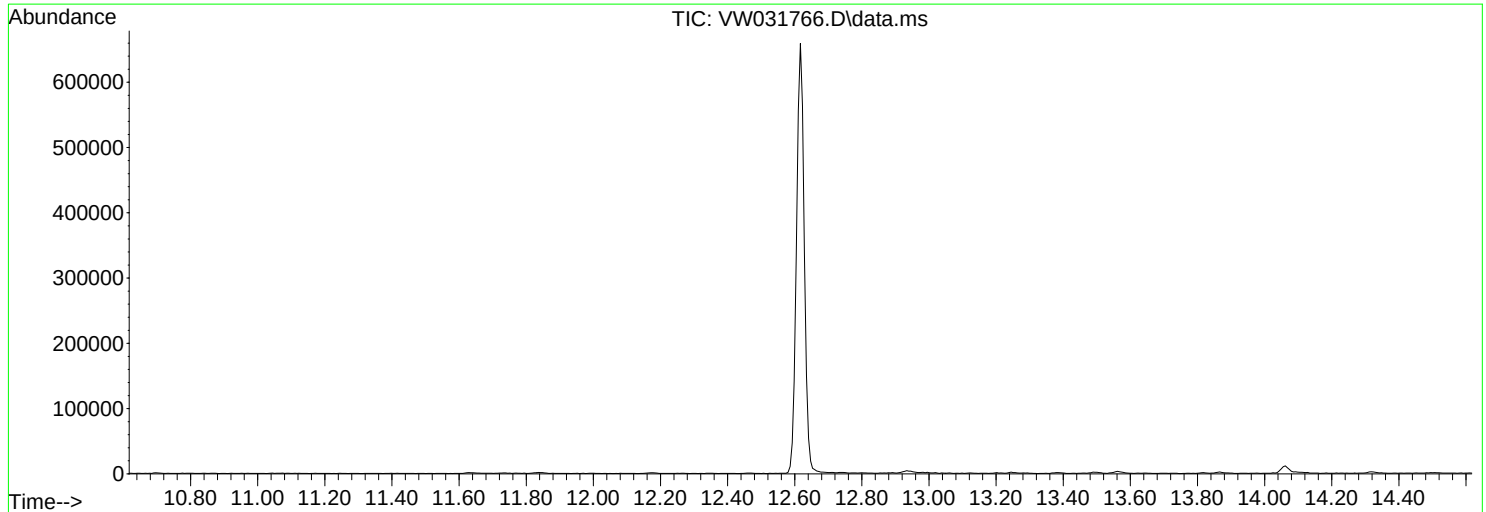
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	26685	PASS
75	95	30	60	52.1	70472	PASS
95	95	100	100	100.0	135149	PASS
96	95	5	9	6.7	8992	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	65.4	88384	PASS
175	174	5	9	8.2	7275	PASS
176	174	95	101	99.2	87643	PASS
177	176	5	9	6.3	5529	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031766.D
Acq On : 09 Jul 2025 08:51
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

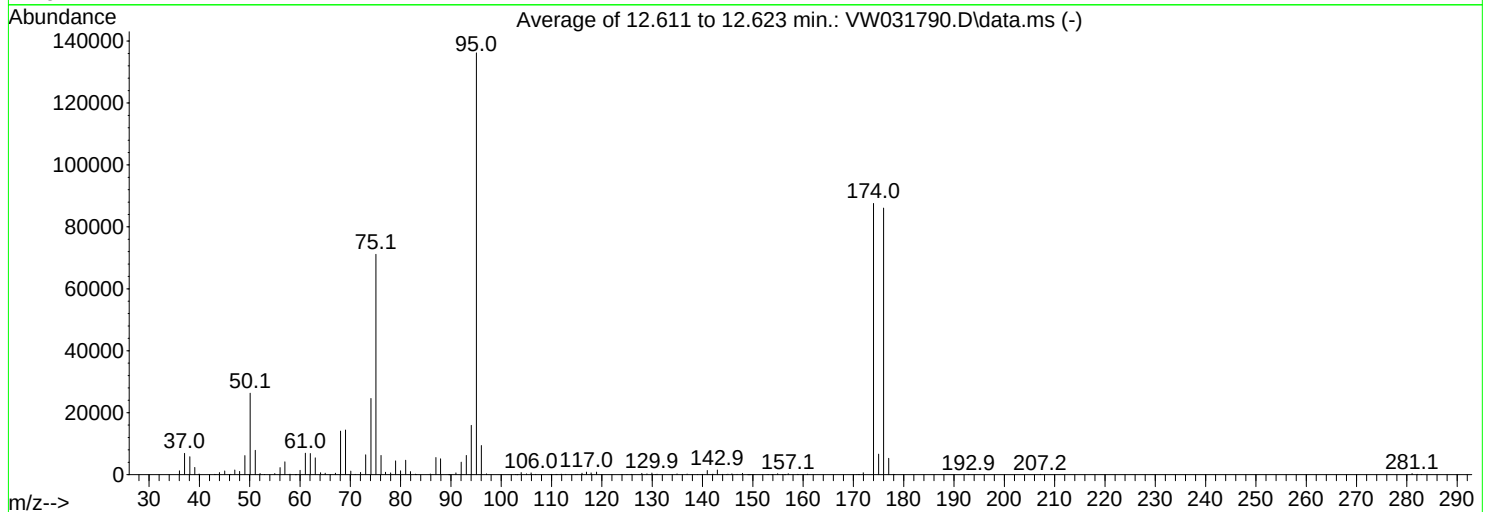
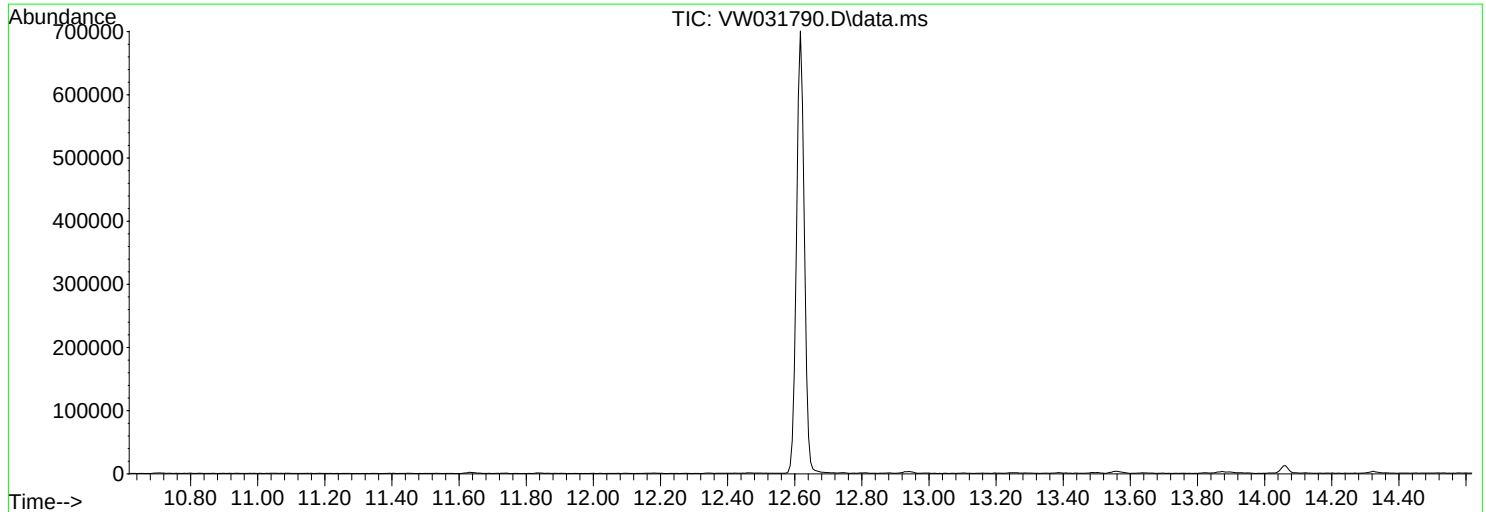
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	24048	PASS
75	95	30	60	52.1	66445	PASS
95	95	100	100	100.0	127421	PASS
96	95	5	9	6.8	8649	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.4	87141	PASS
175	174	5	9	7.7	6694	PASS
176	174	95	101	95.1	82880	PASS
177	176	5	9	6.5	5352	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031790.D
Acq On : 10 Jul 2025 08:16
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

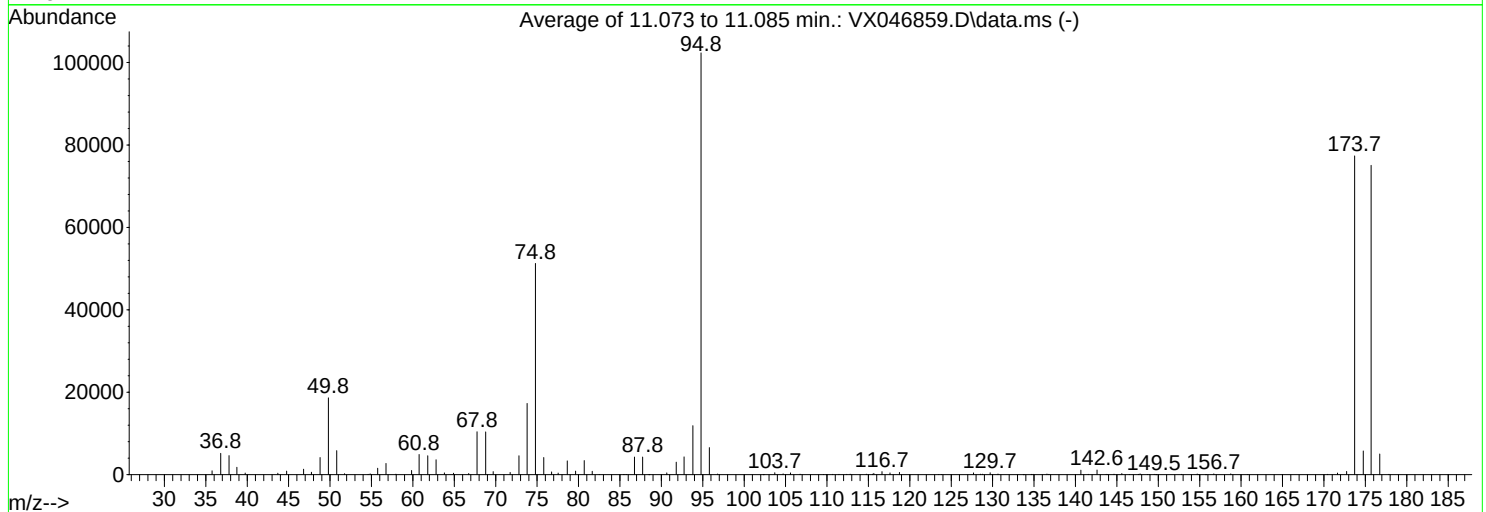
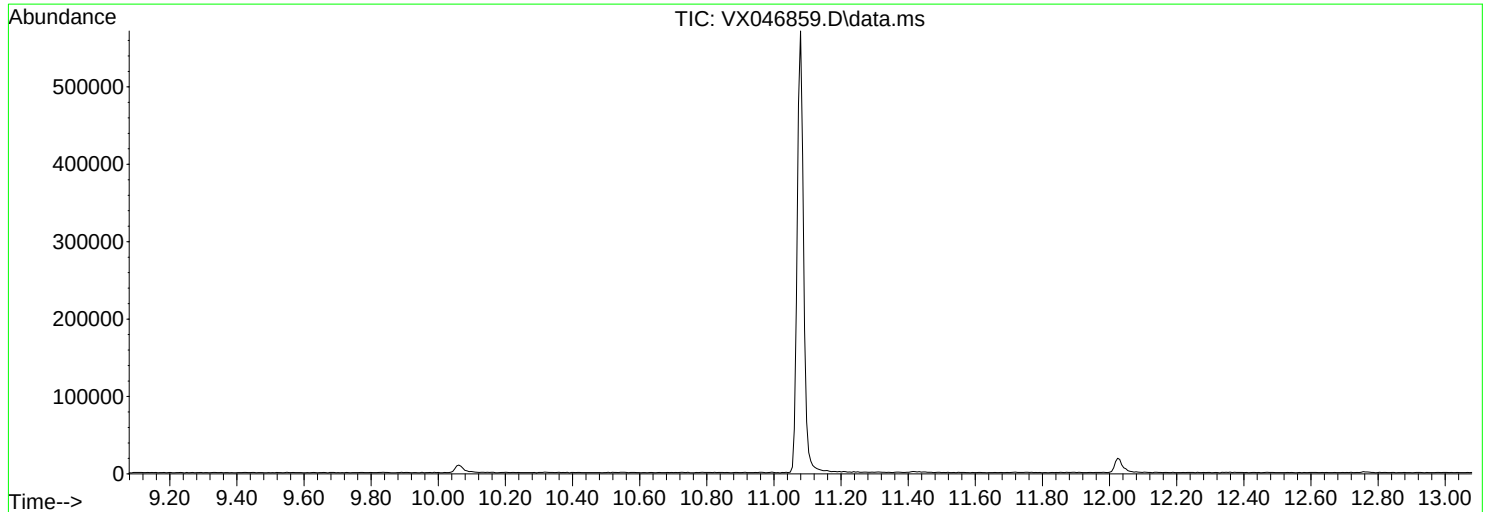
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	26320	PASS
75	95	30	60	52.2	71152	PASS
95	95	100	100	100.0	136197	PASS
96	95	5	9	6.9	9431	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	64.3	87584	PASS
175	174	5	9	7.6	6647	PASS
176	174	95	101	98.3	86056	PASS
177	176	5	9	6.1	5274	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046859.D
Acq On : 02 Jul 2025 11:12
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Title : SW846 8260
Last Update : Thu Jul 03 05:51:11 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

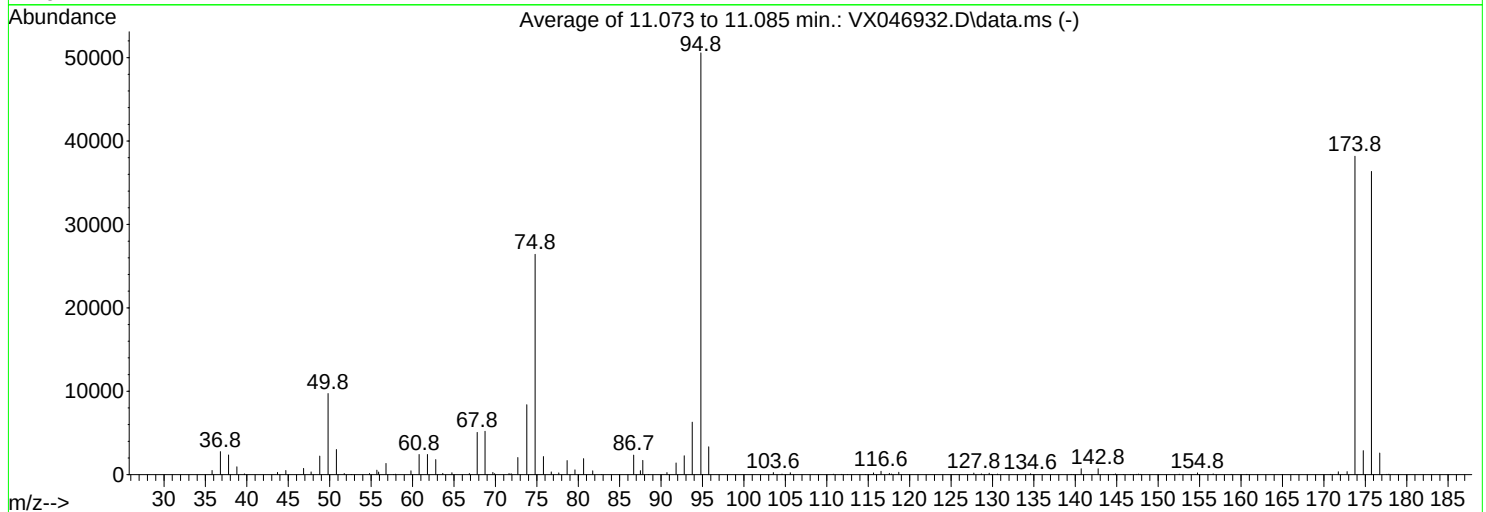
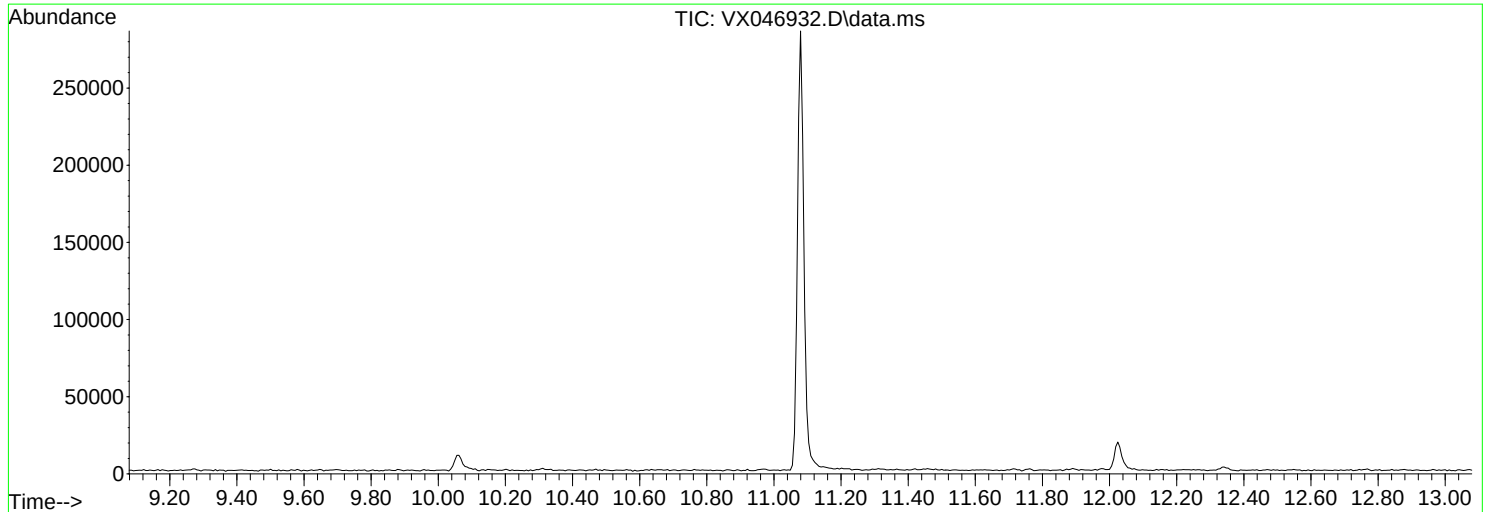
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	18657	PASS
75	95	30	60	50.1	51248	PASS
95	95	100	100	100.0	102357	PASS
96	95	5	9	6.4	6574	PASS
173	174	0.00	2	1.0	779	PASS
174	95	50	100	75.5	77328	PASS
175	174	5	9	7.4	5758	PASS
176	174	95	101	97.1	75051	PASS
177	176	5	9	6.7	5020	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046932.D
Acq On : 10 Jul 2025 08:43
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Title : SW846 8260
Last Update : Thu Jul 03 05:51:11 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

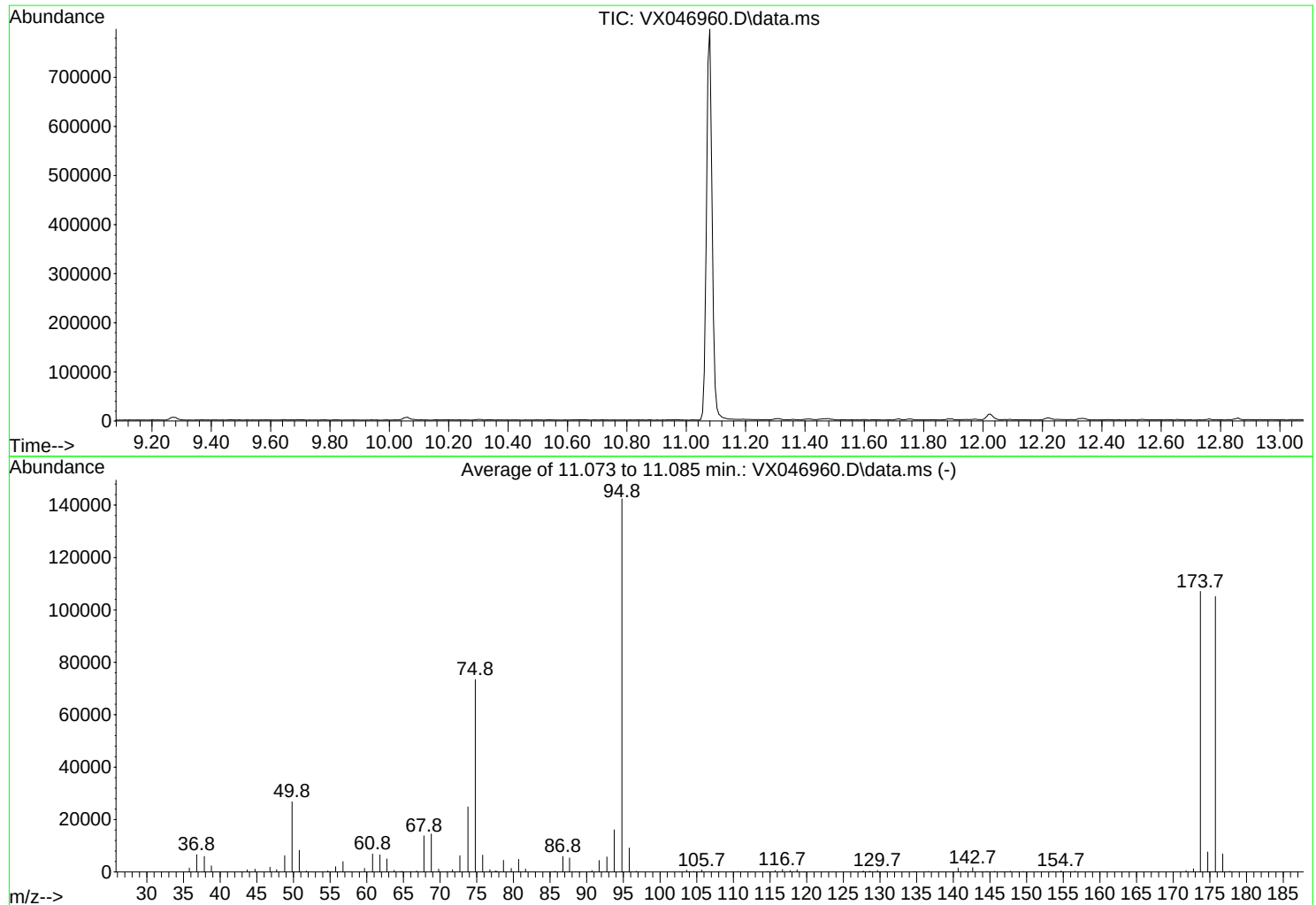
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.2	9734	PASS
75	95	30	60	52.3	26427	PASS
95	95	100	100	100.0	50573	PASS
96	95	5	9	6.6	3335	PASS
173	174	0.00	2	1.0	375	PASS
174	95	50	100	75.5	38187	PASS
175	174	5	9	7.6	2886	PASS
176	174	95	101	95.2	36363	PASS
177	176	5	9	7.1	2582	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046960.D
Acq On : 14 Jul 2025 08:10
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Title : SW846 8260
Last Update : Thu Jul 03 05:51:11 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

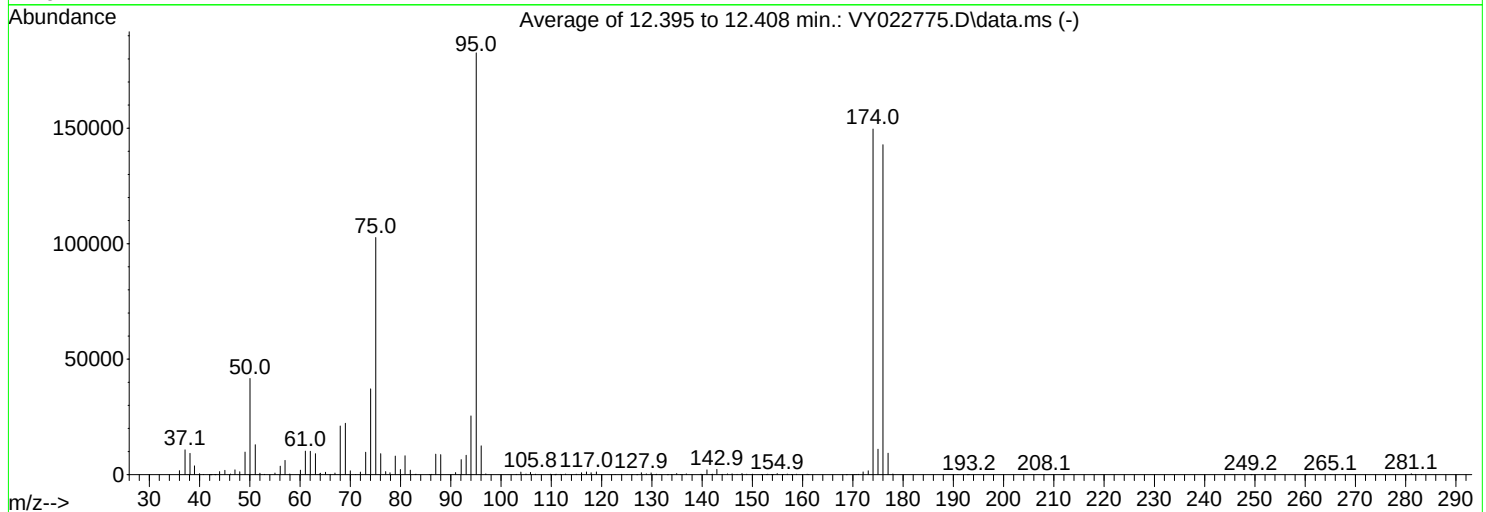
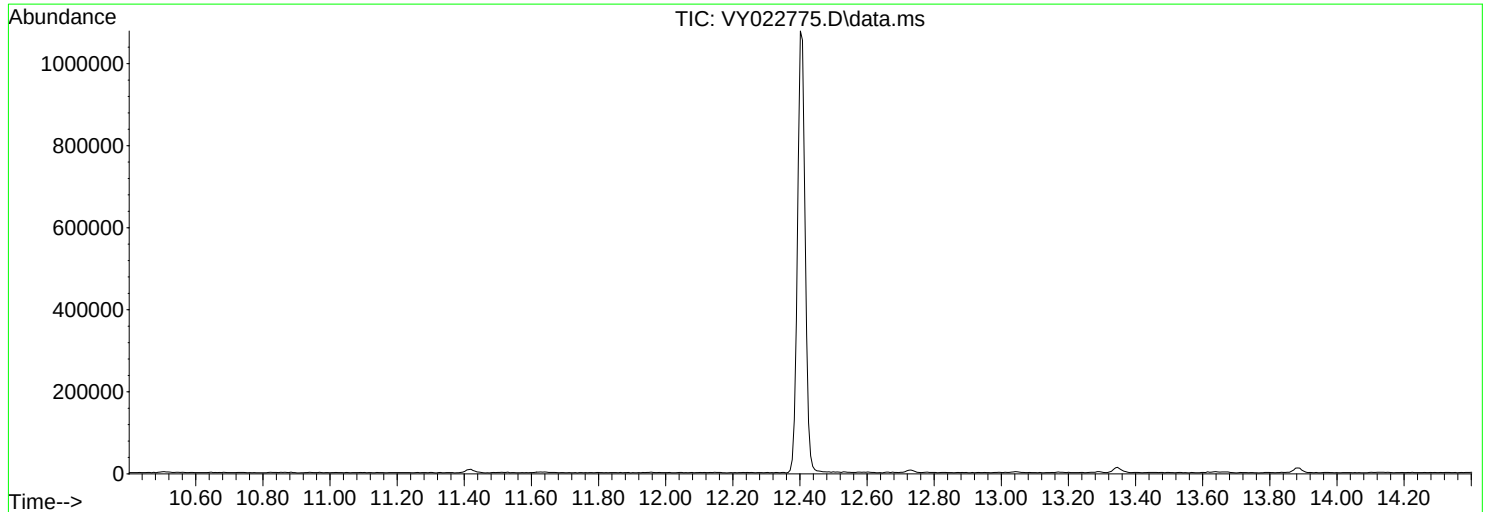
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	18.8	26781	PASS
75	95	30	60	51.6	73443	PASS
95	95	100	100	100.0	142411	PASS
96	95	5	9	6.4	9140	PASS
173	174	0.00	2	1.2	1263	PASS
174	95	50	100	75.2	107085	PASS
175	174	5	9	7.1	7620	PASS
176	174	95	101	98.2	105131	PASS
177	176	5	9	6.5	6863	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062325\
Data File : VY022775.D
Acq On : 23 Jun 2025 10:17
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025



AutoFind: Scans 1751, 1752, 1753; Background Corrected with Scan 1743

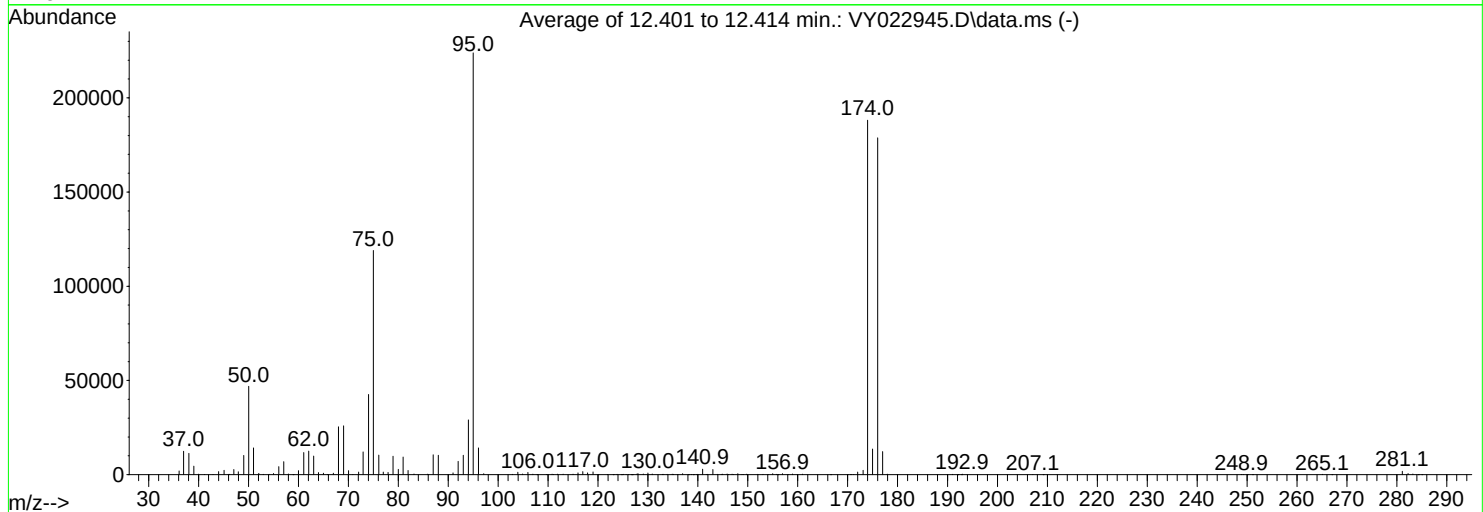
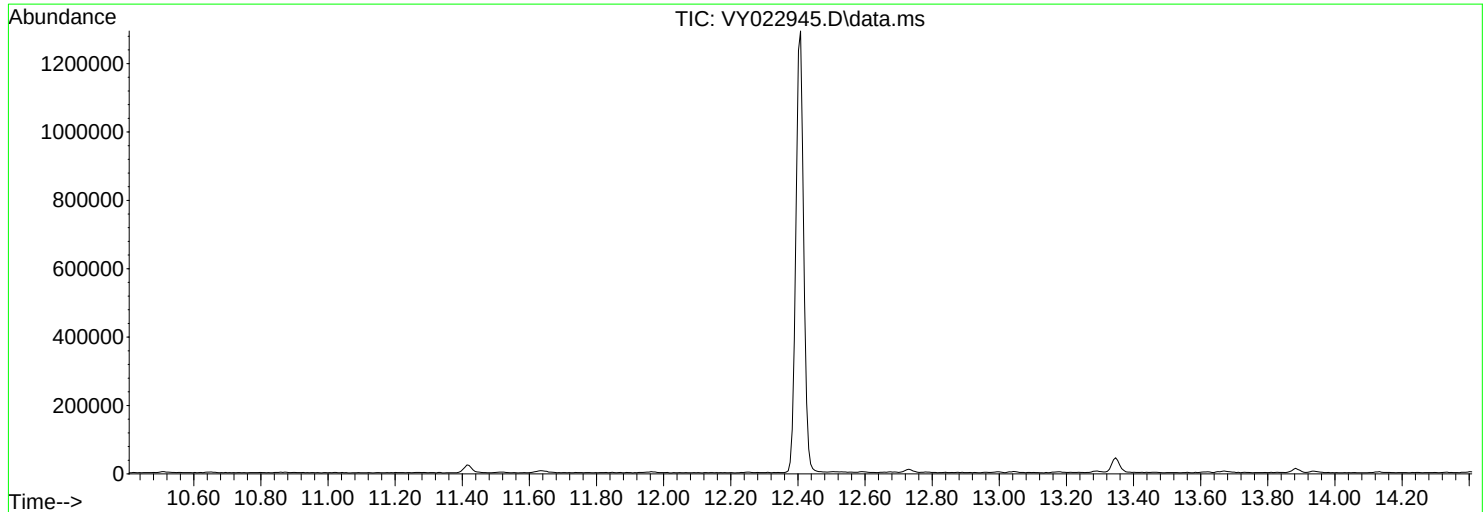
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	41667	PASS
75	95	30	60	56.2	102659	PASS
95	95	100	100	100.0	182635	PASS
96	95	5	9	6.8	12459	PASS
173	174	0.00	2	1.1	1700	PASS
174	95	50	100	81.9	149608	PASS
175	174	5	9	7.4	11034	PASS
176	174	95	101	95.5	142859	PASS
177	176	5	9	6.5	9270	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022945.D
Acq On : 07 Jul 2025 08:36
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

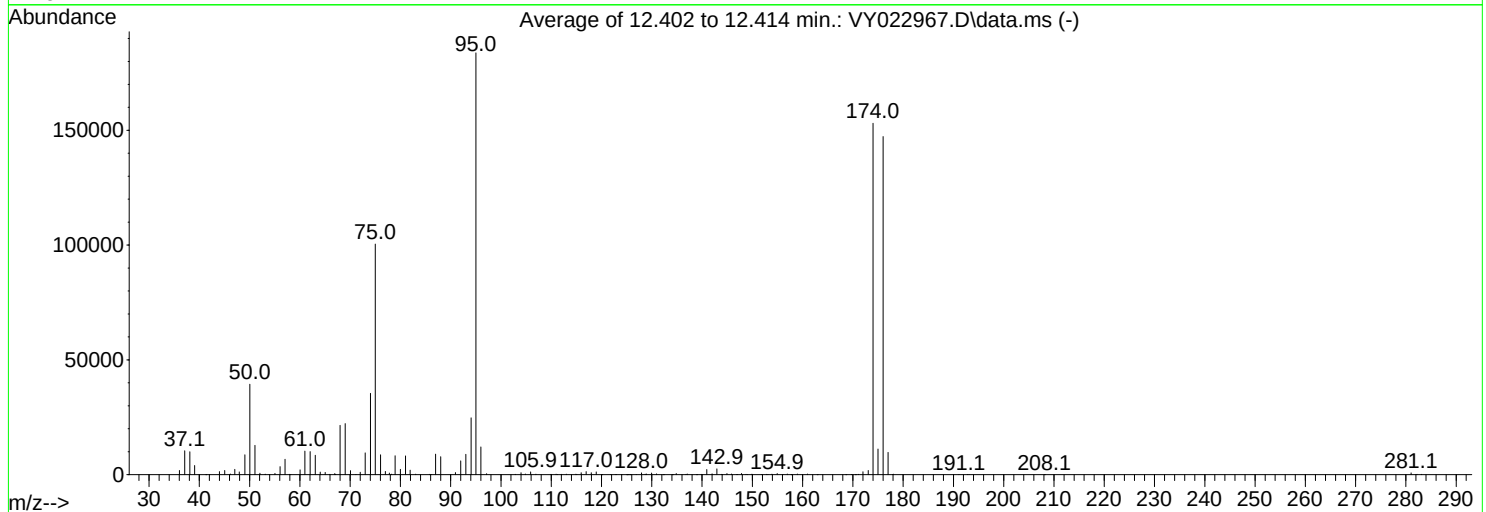
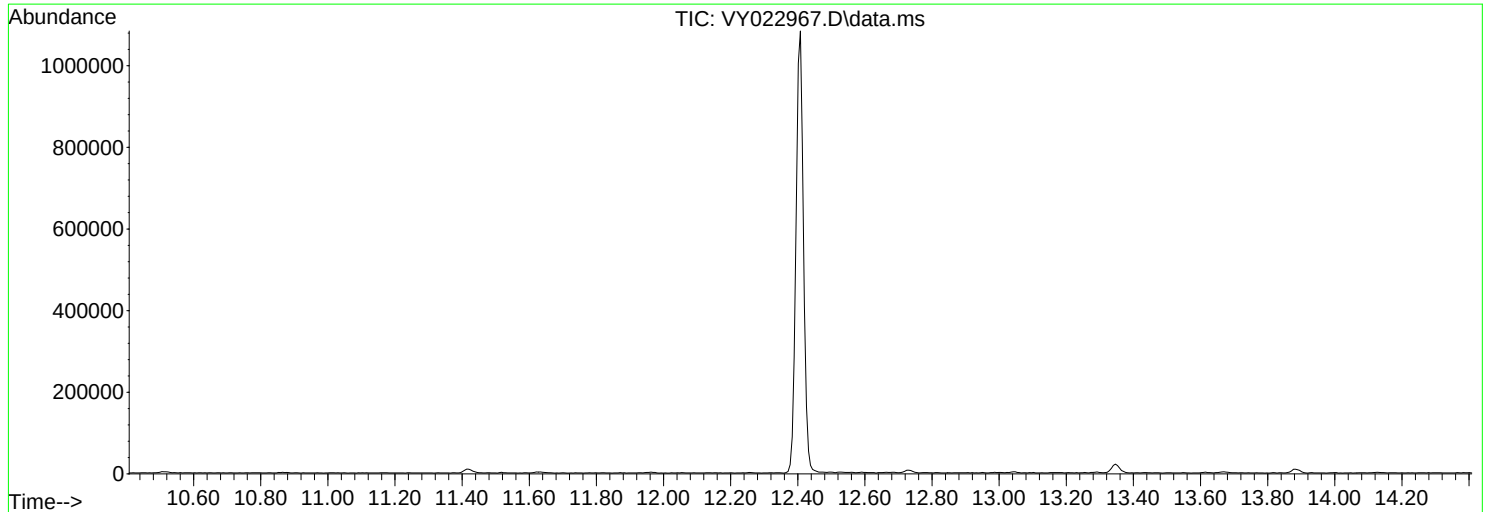
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.9	46883	PASS
75	95	30	60	53.2	119008	PASS
95	95	100	100	100.0	223893	PASS
96	95	5	9	6.3	14154	PASS
173	174	0.00	2	1.2	2332	PASS
174	95	50	100	84.0	188096	PASS
175	174	5	9	7.2	13635	PASS
176	174	95	101	95.0	178773	PASS
177	176	5	9	6.8	12198	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022967.D
Acq On : 08 Jul 2025 08:30
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260
Last Update : Tue Jun 24 08:29:52 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	39376	PASS
75	95	30	60	54.7	100429	PASS
95	95	100	100	100.0	183744	PASS
96	95	5	9	6.6	12086	PASS
173	174	0.00	2	1.2	1791	PASS
174	95	50	100	83.3	153088	PASS
175	174	5	9	7.3	11127	PASS
176	174	95	101	96.2	147264	PASS
177	176	5	9	6.6	9691	PASS

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VW0709SBL01	SDG No.:	Q2480
Lab Sample ID:	VW0709SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031768.D	1	07/09/25 10:58	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VW0709SBL01	SDG No.:	Q2480
Lab Sample ID:	VW0709SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031768.D	1	07/09/25 10:58	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.4		63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		70 - 134	92%	SPK: 50
2037-26-5	Toluene-d8	45.6		74 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.8		17 - 146	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	7.965			
540-36-3	1,4-Difluorobenzene	394000	8.849			
3114-55-4	Chlorobenzene-d5	350000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	164000	13.556			

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Lexington			Date Received:	
Client Sample ID:	VW0709SBL01			SDG No.:	Q2480
Lab Sample ID:	VW0709SBL01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031768.D	1	07/09/25 10:58	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031768.D
Acq On : 09 Jul 2025 10:58
Operator : SY/MD
Sample : VW0709SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

Quant Time: Jul 10 01:21:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	208773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	393637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	349817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	163801	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132908	44.360	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	88.720%
35) Dibromofluoromethane	7.898	113	118160	46.001	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.000%
50) Toluene-d8	10.324	98	436151	45.627	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.260%
62) 4-Bromofluorobenzene	12.617	95	147105	41.818	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	83.640%

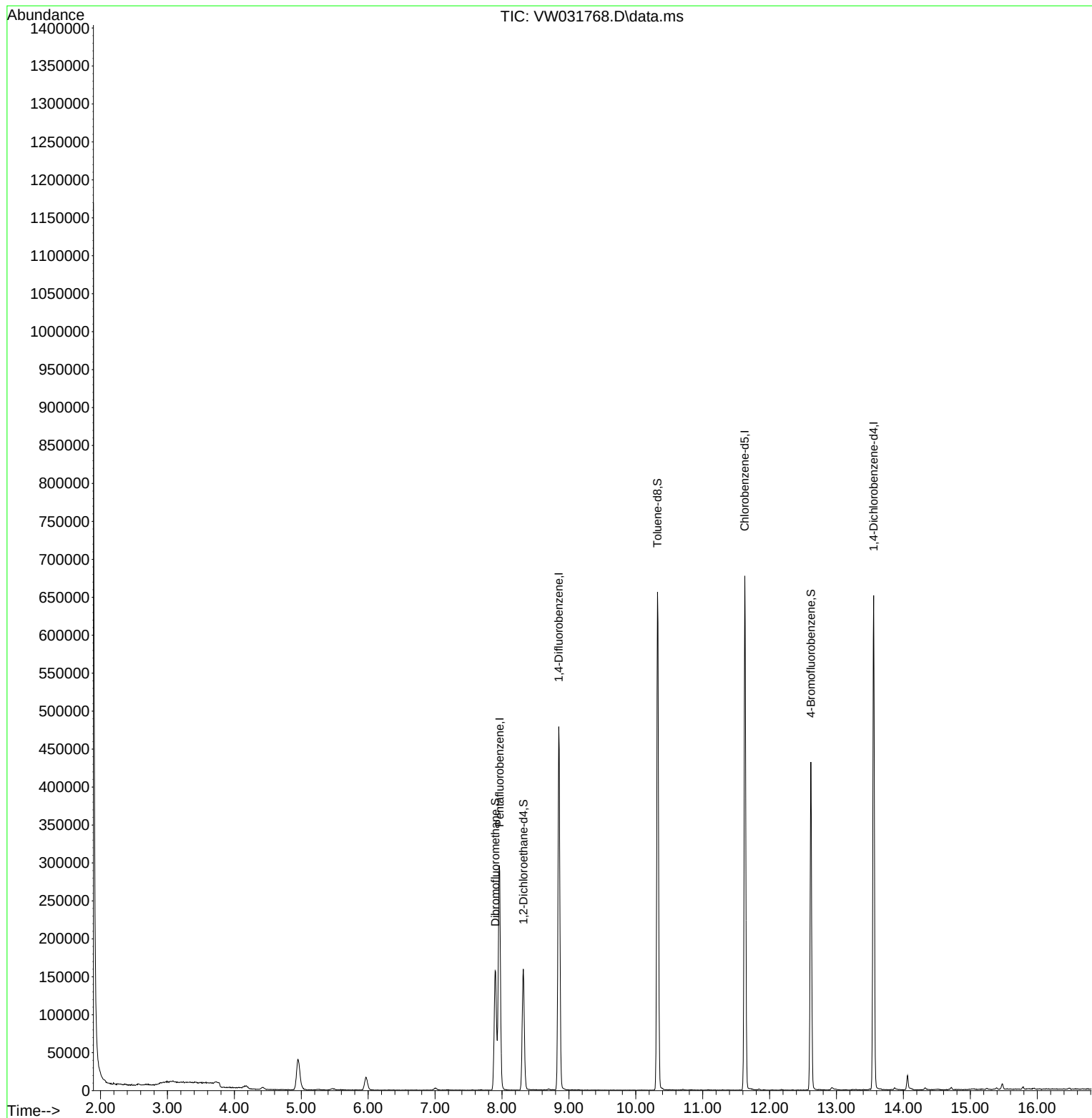
Target Compounds	Qvalue

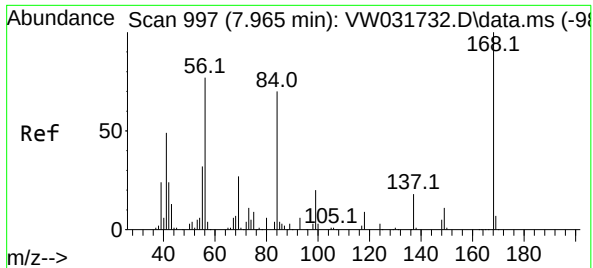
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031768.D
Acq On : 09 Jul 2025 10:58
Operator : SY/MD
Sample : VW0709SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

Quant Time: Jul 10 01:21:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

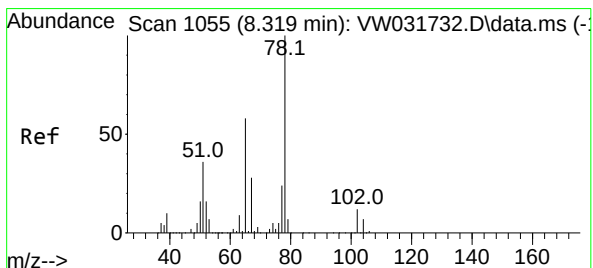
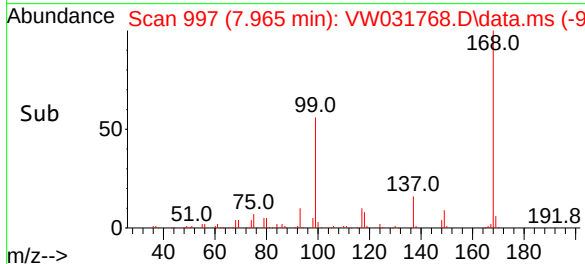
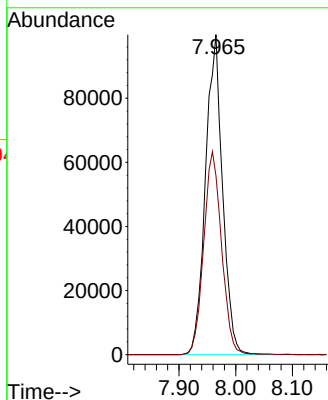
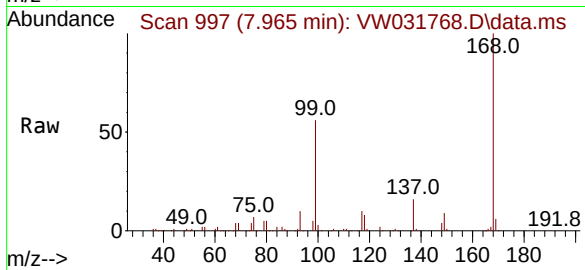




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031768.D
Acq: 09 Jul 2025 10:58

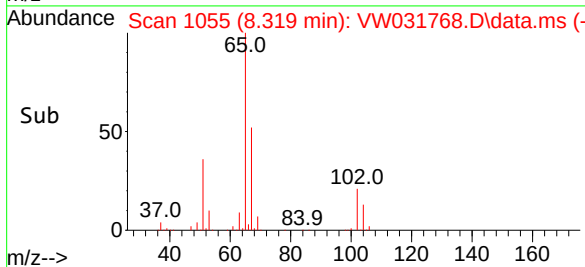
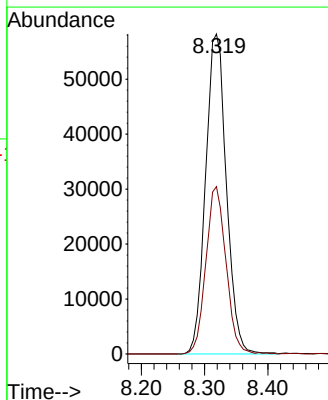
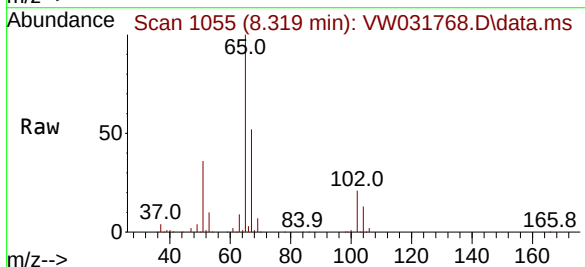
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

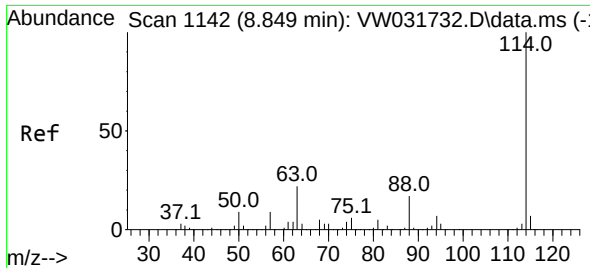
Tgt Ion:168 Resp: 208773
Ion Ratio Lower Upper
168 100
99 55.9 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 44.360 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031768.D
Acq: 09 Jul 2025 10:58

Tgt Ion: 65 Resp: 132908
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.4

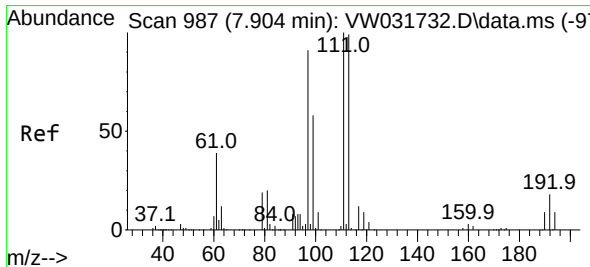
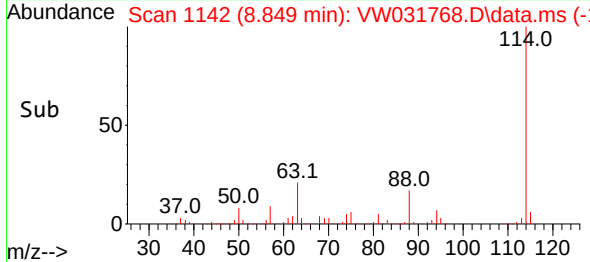
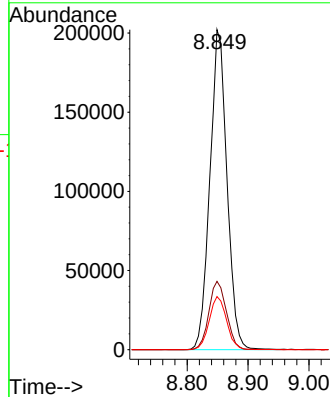
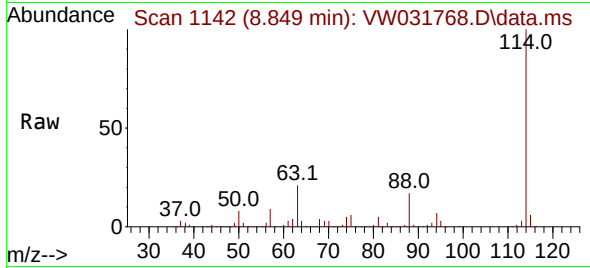




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031768.D
Acq: 09 Jul 2025 10:58

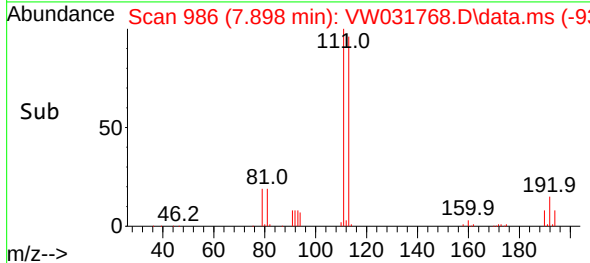
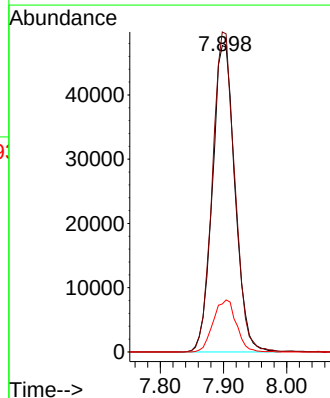
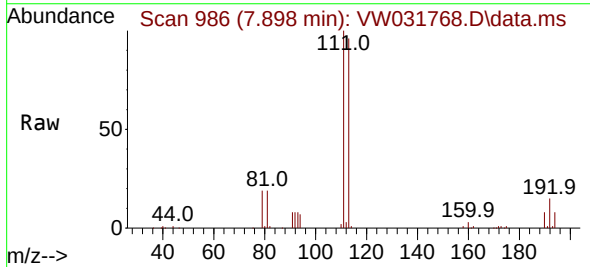
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

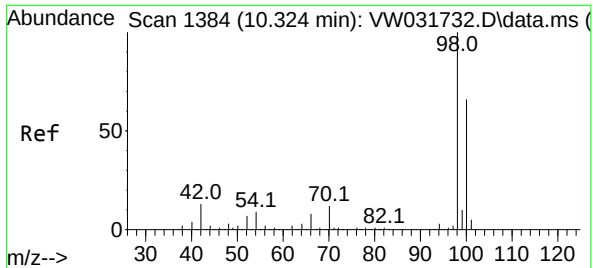
Tgt Ion:114 Resp: 393637
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.6
88 16.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 46.001 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031768.D
Acq: 09 Jul 2025 10:58

Tgt Ion:113 Resp: 118160
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 17.3 13.8 20.6

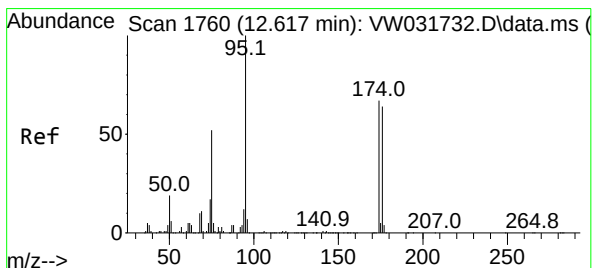
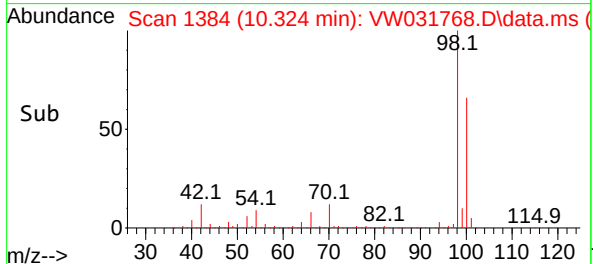
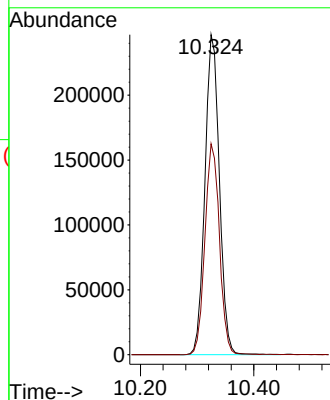
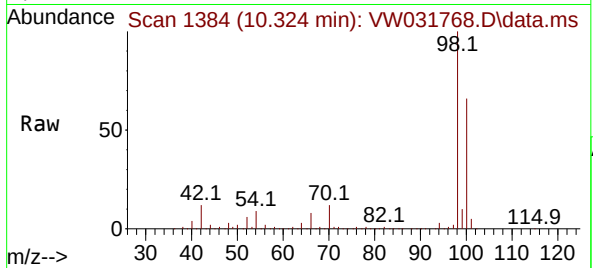




#50
Toluene-d8
Concen: 45.627 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031768.D
Acq: 09 Jul 2025 10:58

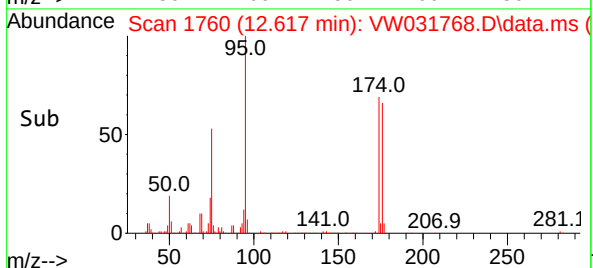
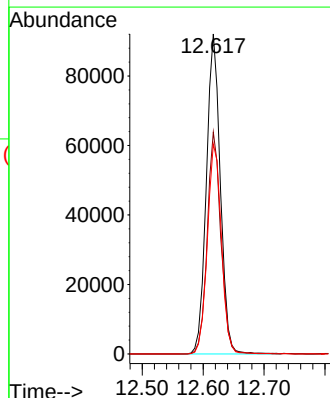
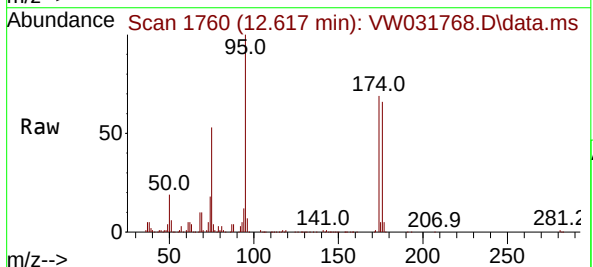
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

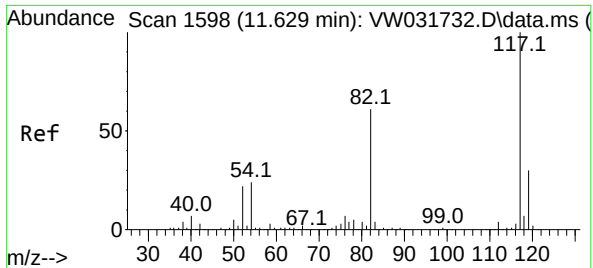
Tgt Ion: 98 Resp: 436151
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.818 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031768.D
Acq: 09 Jul 2025 10:58

Tgt Ion: 95 Resp: 147105
Ion Ratio Lower Upper
95 100
174 68.1 0.0 133.8
176 66.1 0.0 126.0

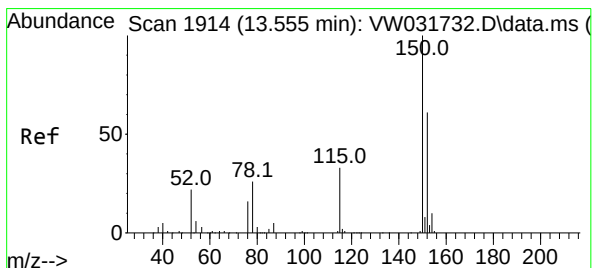
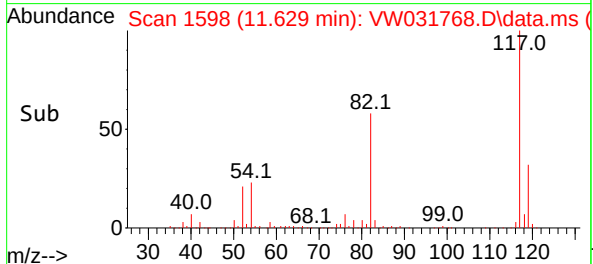
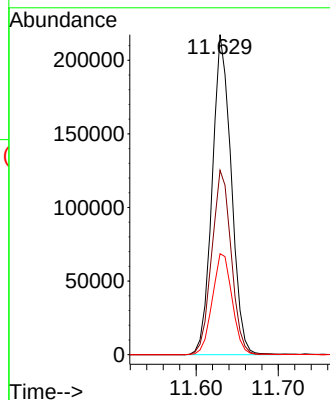
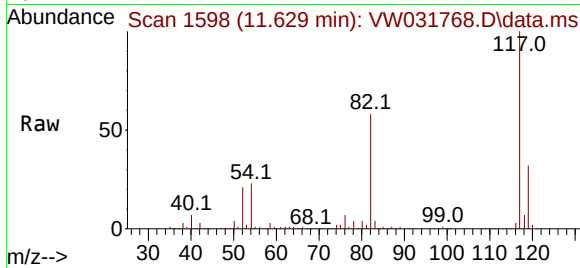




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW031768.D
Acq: 09 Jul 2025 10:58

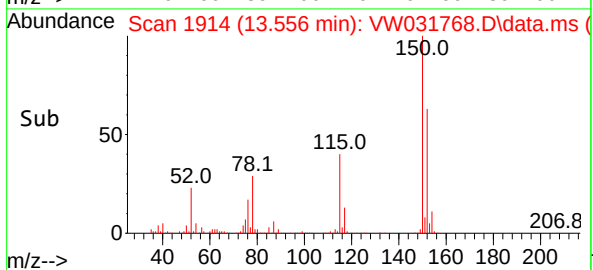
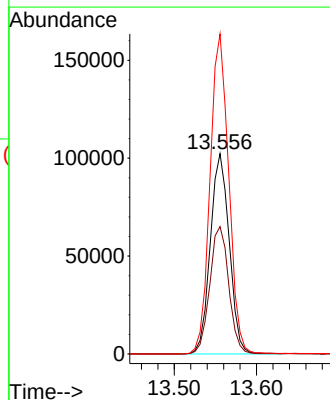
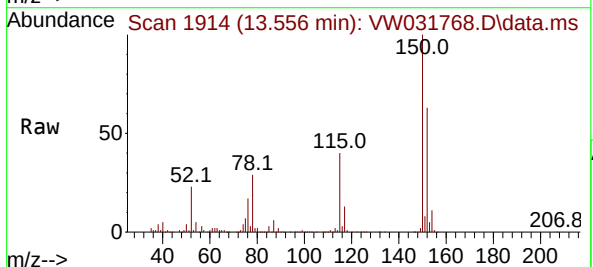
Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	48.6	72.8
119	31.6	23.9	35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031768.D
Acq: 09 Jul 2025 10:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	31.9	95.7
150	157.8	0.0	356.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031768.D
Acq On : 09 Jul 2025 10:58
Operator : SY/MD
Sample : VW0709SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Title : SW846 8260

Signal : TIC: VW031768.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.947	491	502	519	rBV2	40190	146841	12.50%	2.210%
2	5.965	660	669	681	rVB3	16672	51670	4.40%	0.778%
3	7.898	976	986	991	rBV2	157342	391458	33.31%	5.893%
4	7.959	991	996	1009	rVB2	295509	664141	56.51%	9.997%
5	8.319	1045	1055	1065	rBV	159551	356036	30.30%	5.359%
6	8.849	1133	1142	1161	rBV	478537	955850	81.34%	14.389%
7	10.324	1375	1384	1401	rBV	656276	1175190	100.00%	17.690%
8	11.629	1590	1598	1610	rBV	677404	1121960	95.47%	16.889%
9	12.617	1753	1760	1775	rBV	432078	693052	58.97%	10.433%
10	13.556	1907	1914	1928	rBV	650785	1043653	88.81%	15.710%
11	14.062	1991	1997	2002	rBV2	18525	29478	2.51%	0.444%
12	15.476	2222	2229	2235	rBV	7309	13806	1.17%	0.208%

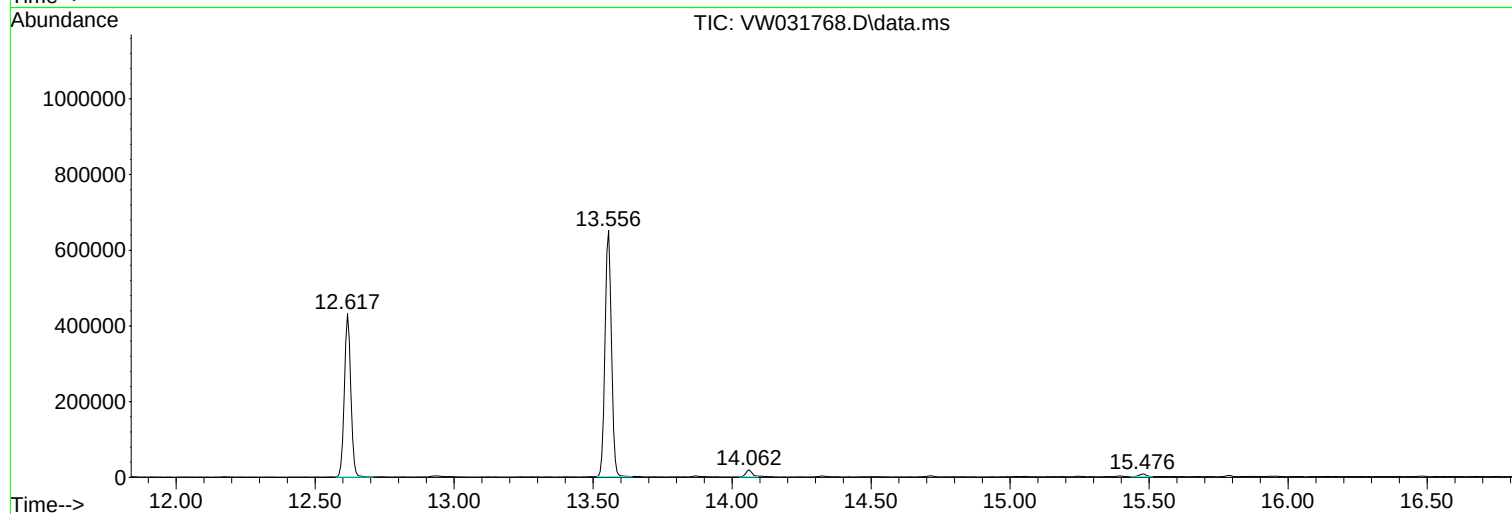
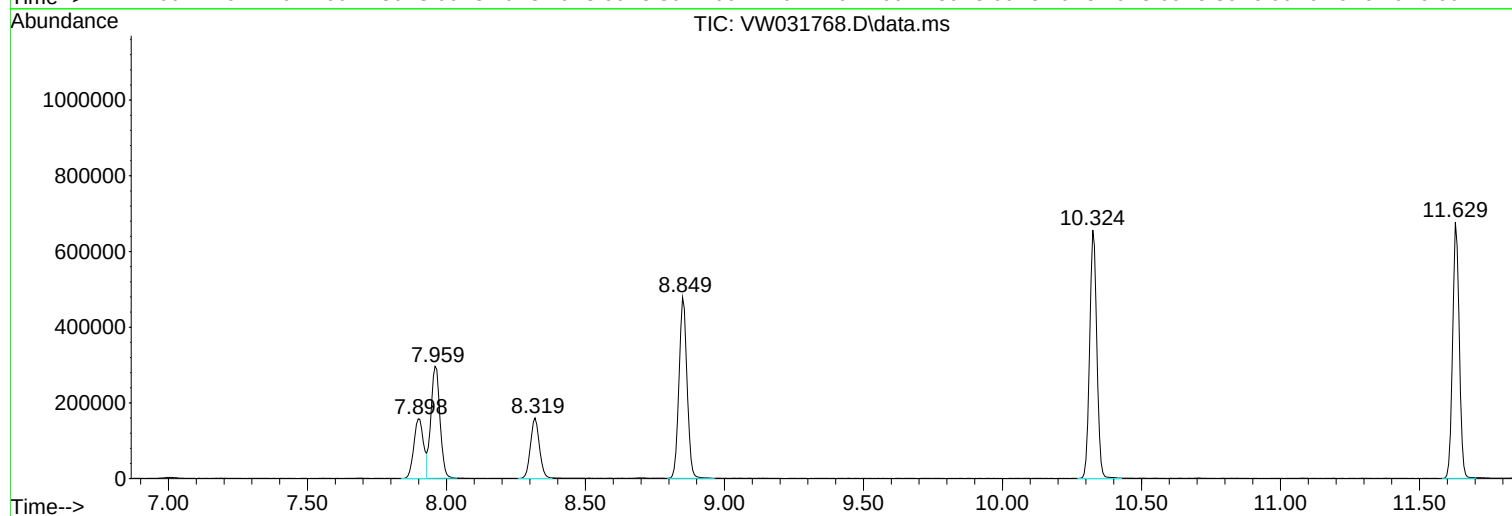
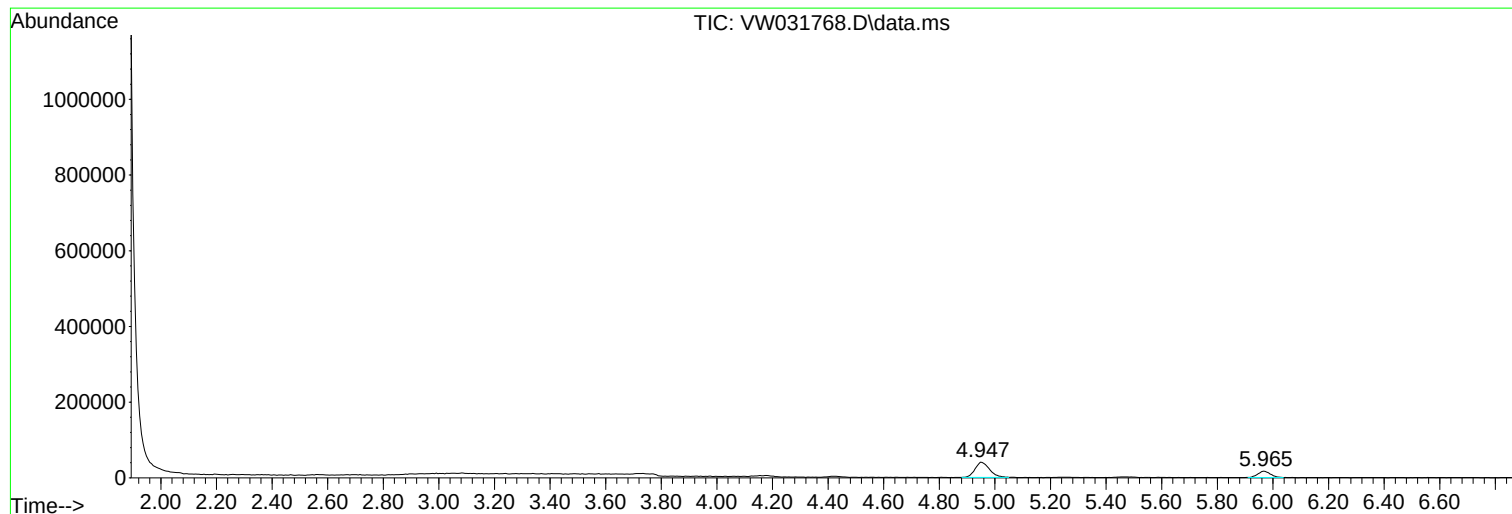
Sum of corrected areas: 6643135

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031768.D
Acq On : 09 Jul 2025 10:58
Operator : SY/MD
Sample : VW0709SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031768.D
Acq On : 09 Jul 2025 10:58
Operator : SY/MD
Sample : VW0709SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031768.D
Acq On : 09 Jul 2025 10:58
Operator : SY/MD
Sample : VW0709SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VW0710SBL01	SDG No.:	Q2480
Lab Sample ID:	VW0710SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031792.D	1	07/10/25 10:15	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Lexington		Date Received:	
Client Sample ID:	VW0710SBL01		SDG No.:	Q2480
Lab Sample ID:	VW0710SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031792.D	1	07/10/25 10:15	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		70 - 134	92%	SPK: 50
2037-26-5	Toluene-d8	45.5		74 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		17 - 146	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178000	7.959			
540-36-3	1,4-Difluorobenzene	403000	8.849			
3114-55-4	Chlorobenzene-d5	369000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.556			



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Lexington		Date Received:	
Client Sample ID:	VW0710SBL01		SDG No.:	Q2480
Lab Sample ID:	VW0710SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031792.D	1	07/10/25 10:15	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031792.D
 Acq On : 10 Jul 2025 10:15
 Operator : SY/MD
 Sample : VW0710SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0710SBL01

Quant Time: Jul 11 02:15:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	178449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	403423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	368923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171872	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143086	55.872	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	111.740%
35) Dibromofluoromethane	7.898	113	121172	46.029	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.060%
50) Toluene-d8	10.325	98	445433	45.468	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.940%
62) 4-Bromofluorobenzene	12.617	95	164288	45.570	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	91.140%

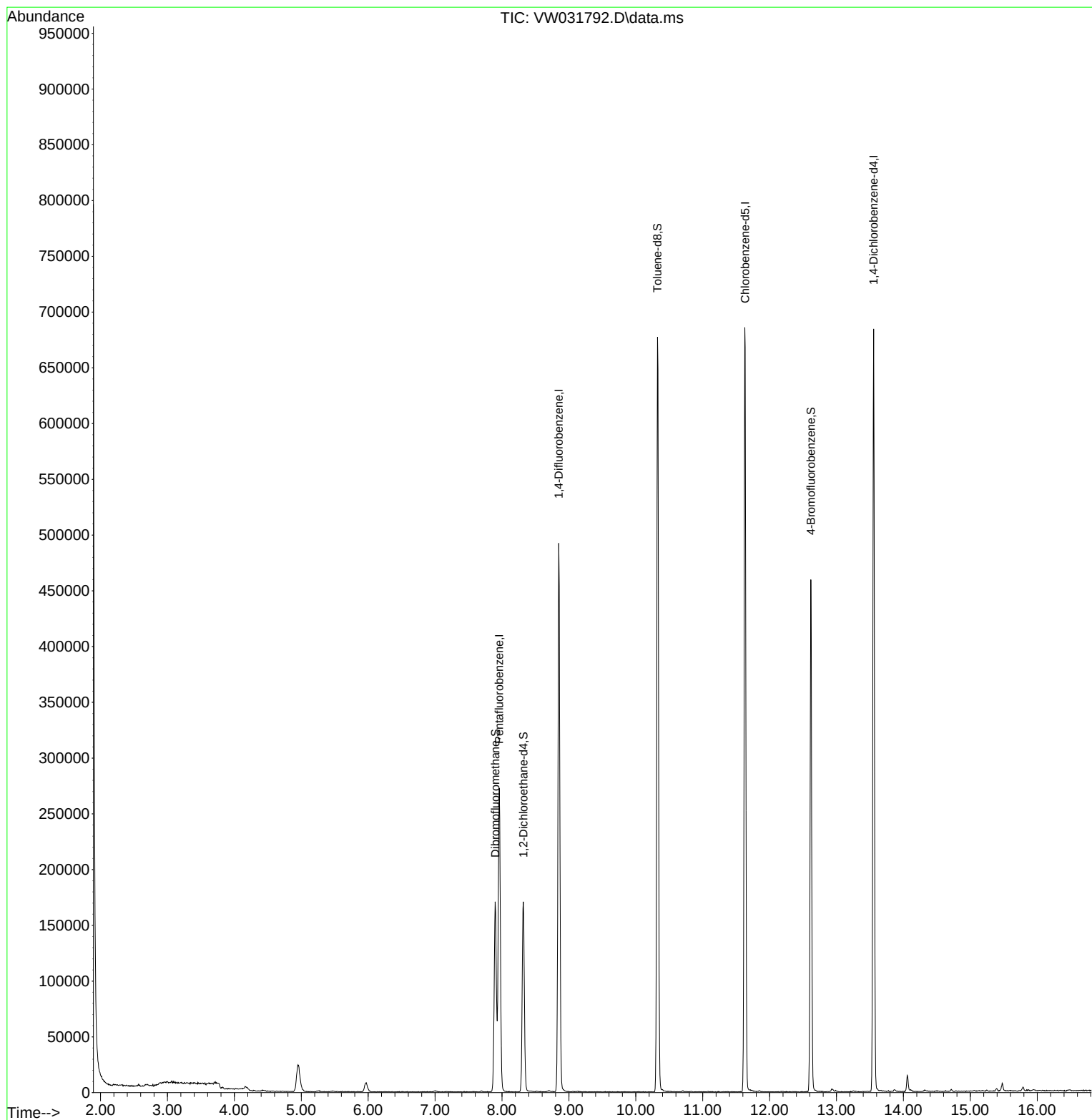
Target Compounds	Qvalue

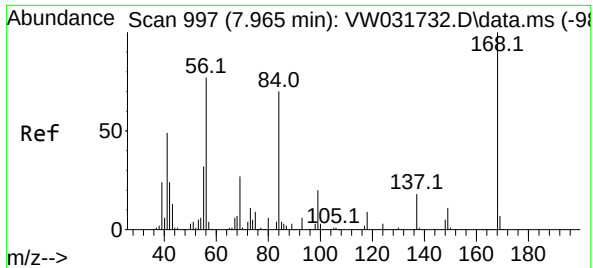
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031792.D
Acq On : 10 Jul 2025 10:15
Operator : SY/MD
Sample : VW0710SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Quant Time: Jul 11 02:15:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

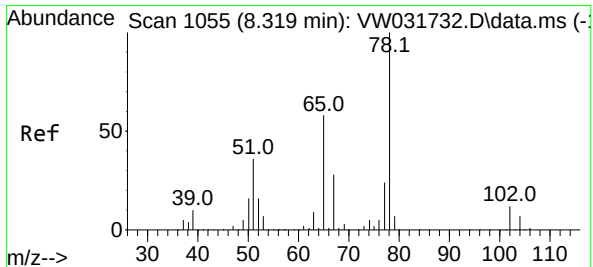
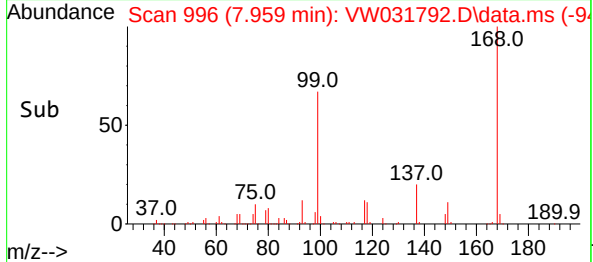
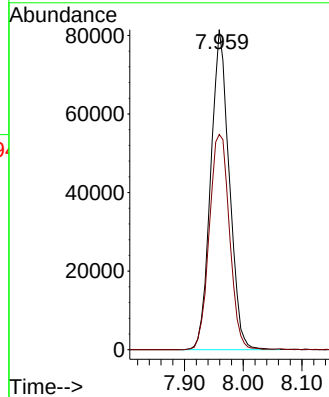
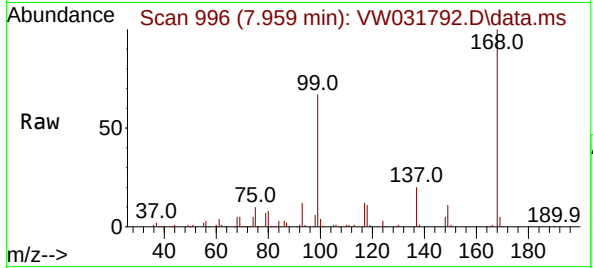




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

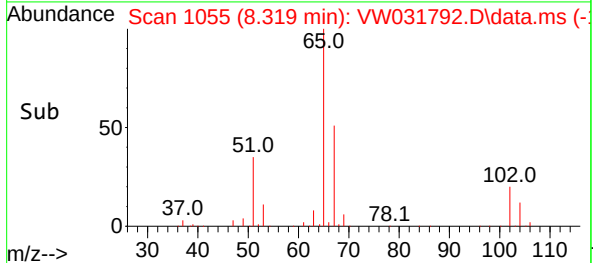
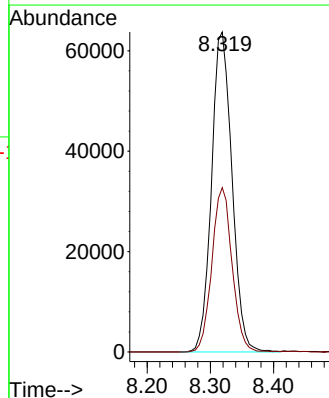
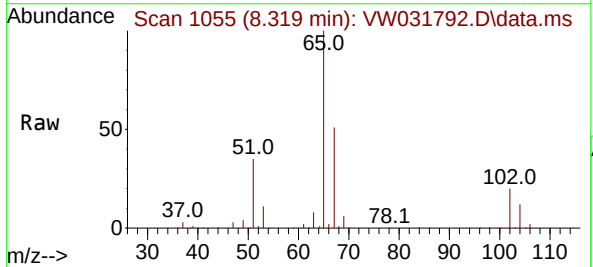
Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

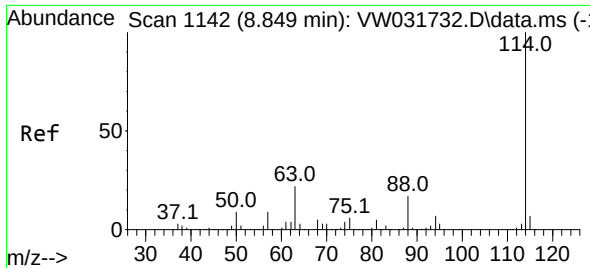
Tgt Ion:168 Resp: 178449
Ion Ratio Lower Upper
168 100
99 67.2 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 55.872 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Tgt Ion: 65 Resp: 143086
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.4

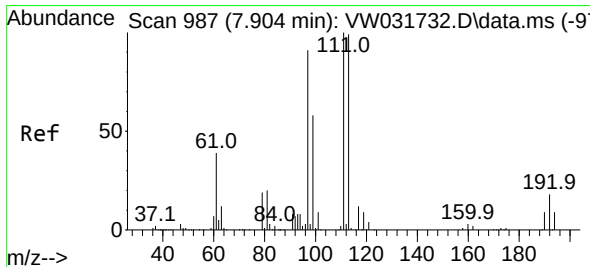
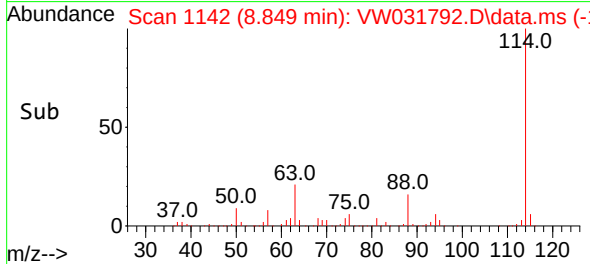
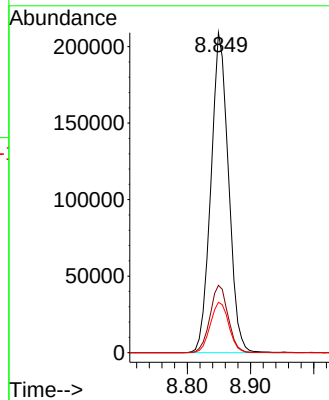
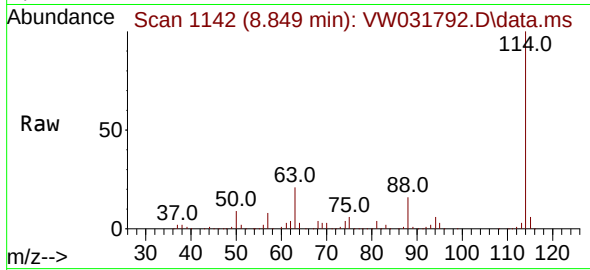




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

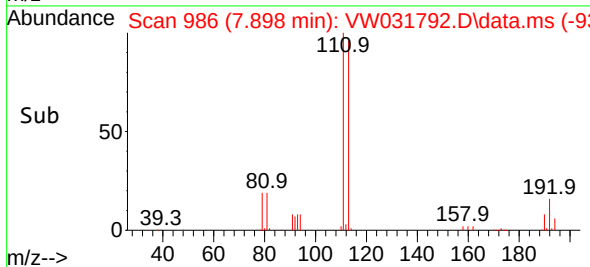
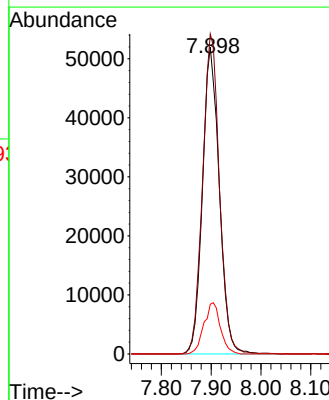
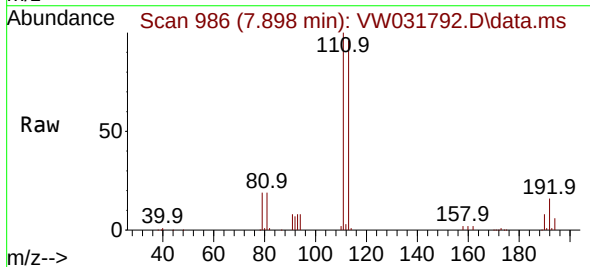
Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

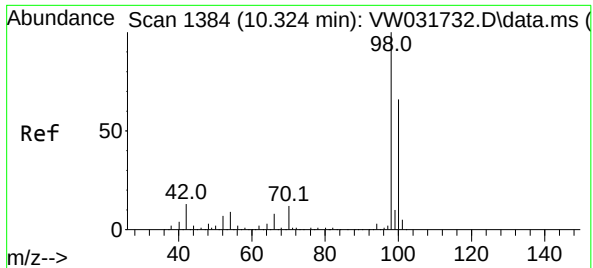
Tgt Ion:114 Resp: 403423
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.6
88 15.7 0.0 34.2



#35
Dibromofluoromethane
Concen: 46.029 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Tgt Ion:113 Resp: 121172
Ion Ratio Lower Upper
113 100
111 105.3 82.1 123.1
192 16.5 13.8 20.6

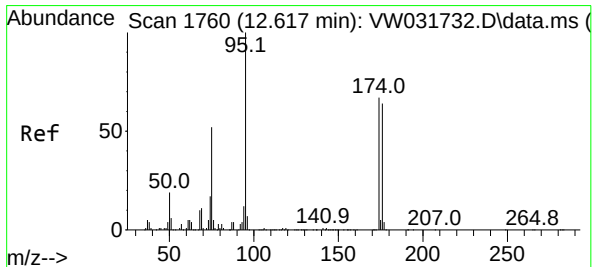
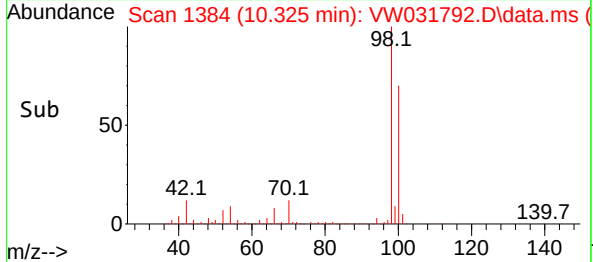
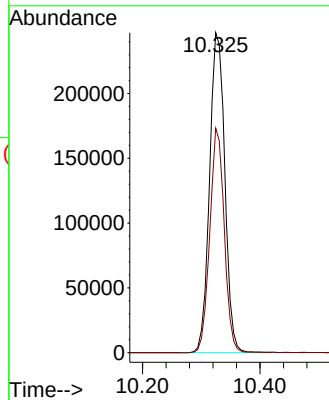
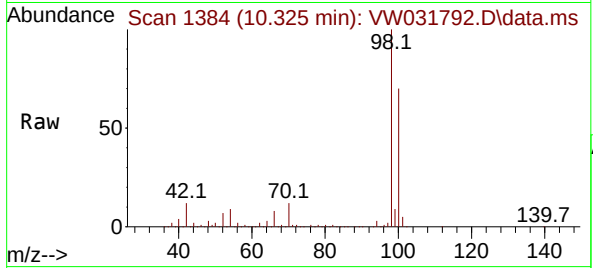




#50
Toluene-d8
Concen: 45.468 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

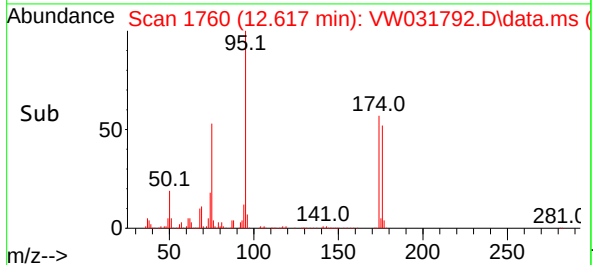
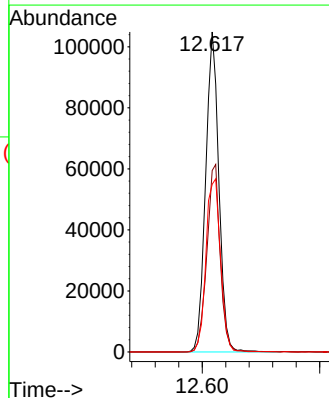
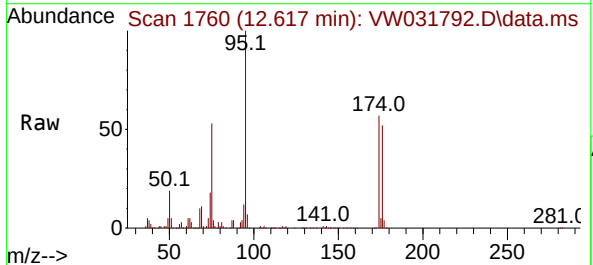
Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

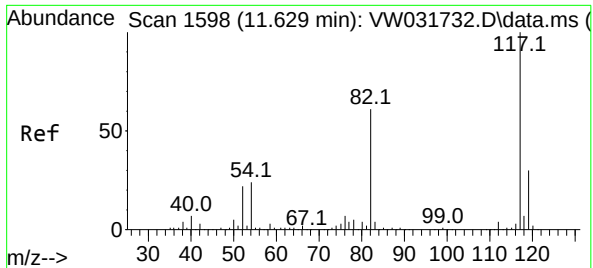
Tgt Ion: 98 Resp: 445433
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 45.570 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Tgt Ion: 95 Resp: 164288
Ion Ratio Lower Upper
95 100
174 59.0 0.0 133.8
176 59.7 0.0 126.0

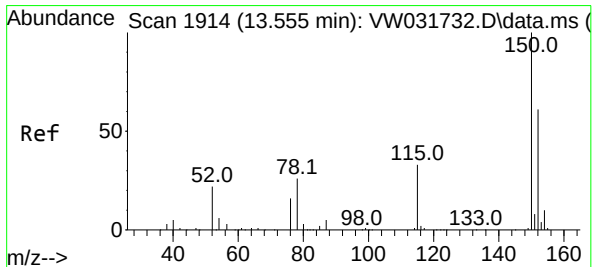
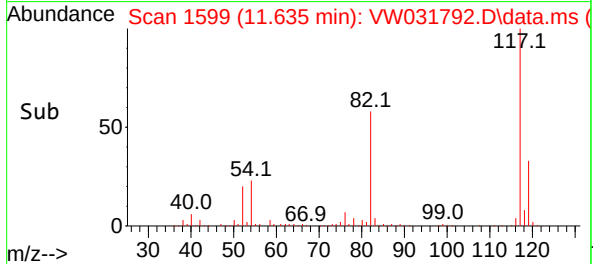
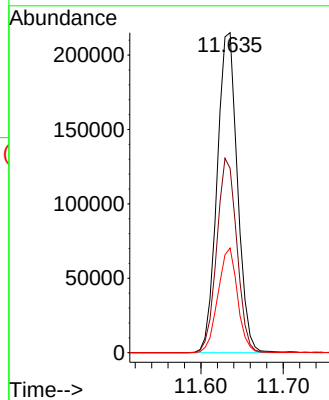
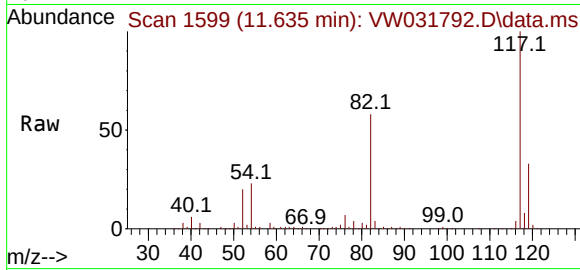




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

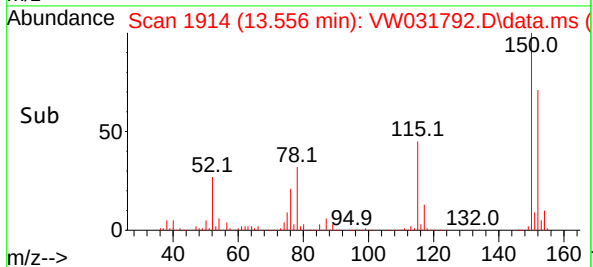
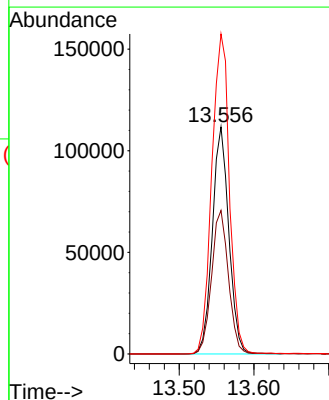
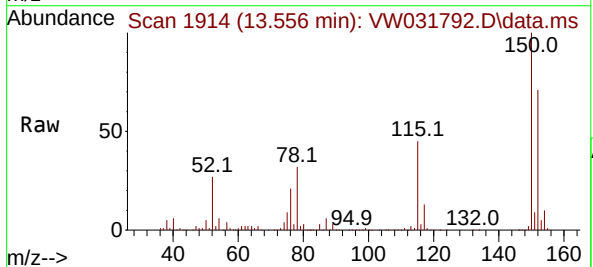
Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Tgt Ion:117 Resp: 368923
Ion Ratio Lower Upper
117 100
82 57.6 48.6 72.8
119 32.7 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Tgt Ion:152 Resp: 171872
Ion Ratio Lower Upper
152 100
115 64.8 31.9 95.7
150 150.4 0.0 356.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031792.D
 Acq On : 10 Jul 2025 10:15
 Operator : SY/MD
 Sample : VW0710SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0710SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Title : SW846 8260

Signal : TIC: VW031792.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.948	490	502	523	rBV3	23913	90435	7.51%	1.341%
2	5.972	660	670	677	rBV3	8013	24417	2.03%	0.362%
3	7.898	974	986	991	rBV2	170401	405437	33.68%	6.012%
4	7.959	991	996	1011	rVB	272086	601483	49.97%	8.919%
5	8.319	1044	1055	1070	rBV	170632	387344	32.18%	5.744%
6	8.849	1132	1142	1158	rBV	491862	974114	80.93%	14.444%
7	10.325	1376	1384	1395	rBV	676862	1203627	100.00%	17.847%
8	11.629	1591	1598	1609	rBV	685450	1181921	98.20%	17.526%
9	12.617	1752	1760	1771	rBV2	459123	740181	61.50%	10.975%
10	13.556	1907	1914	1922	rBV	683716	1096595	91.11%	16.260%
11	14.056	1990	1996	2004	rBV2	14525	26196	2.18%	0.388%
12	15.476	2222	2229	2234	rBV	6955	12247	1.02%	0.182%

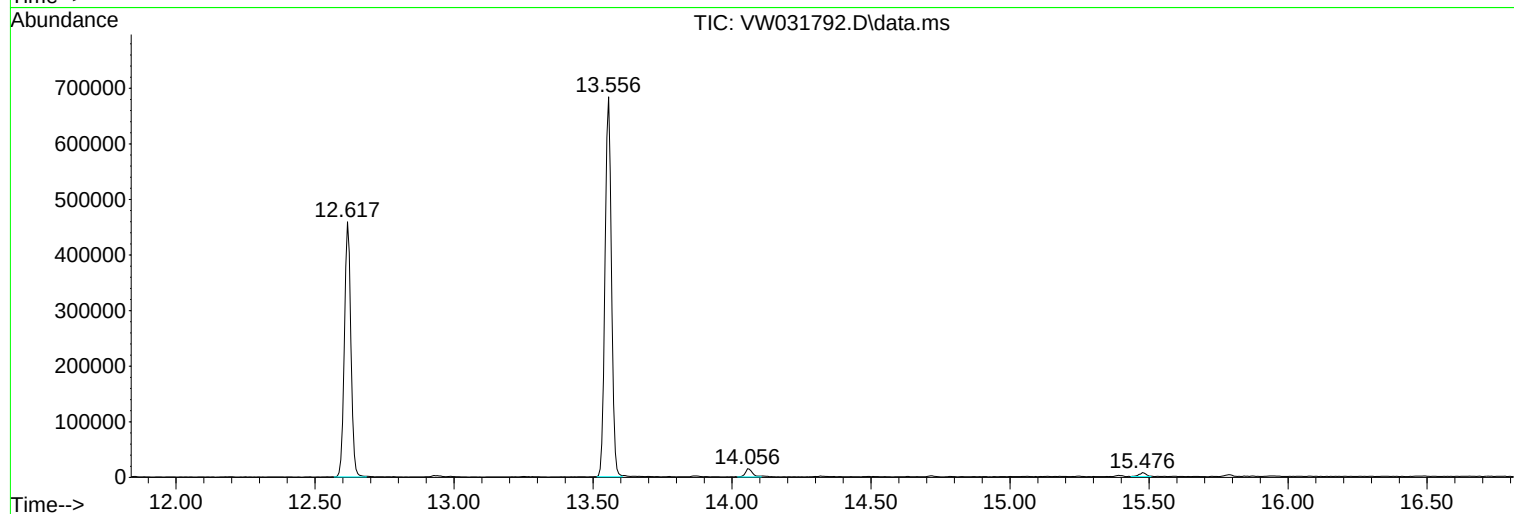
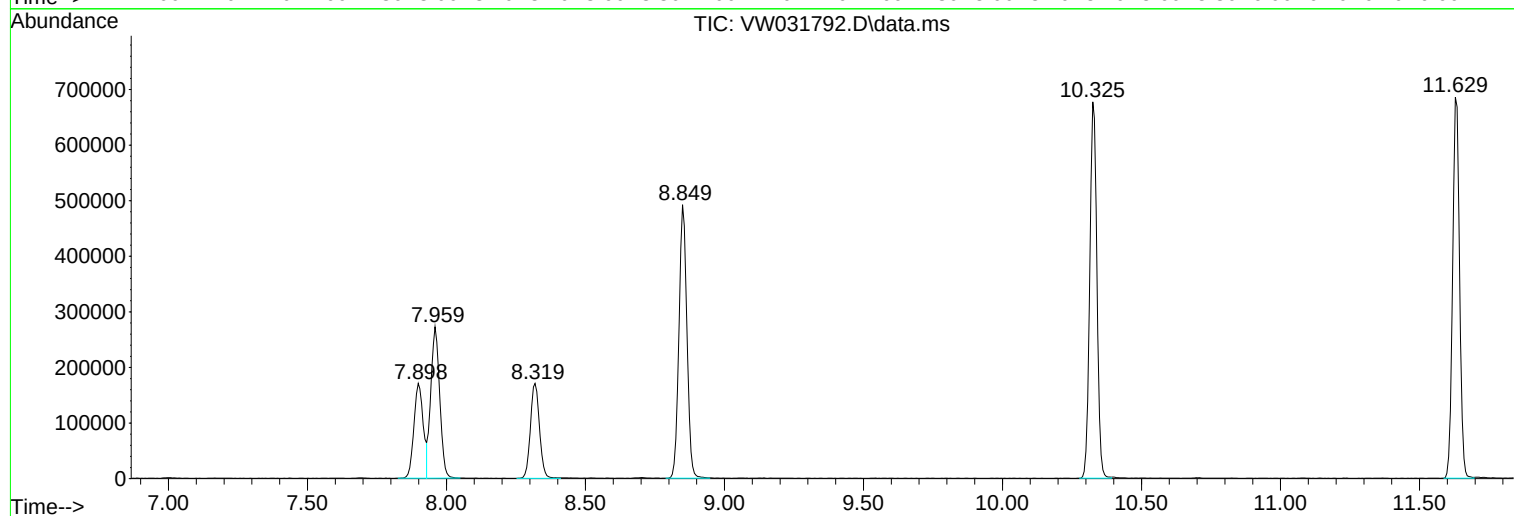
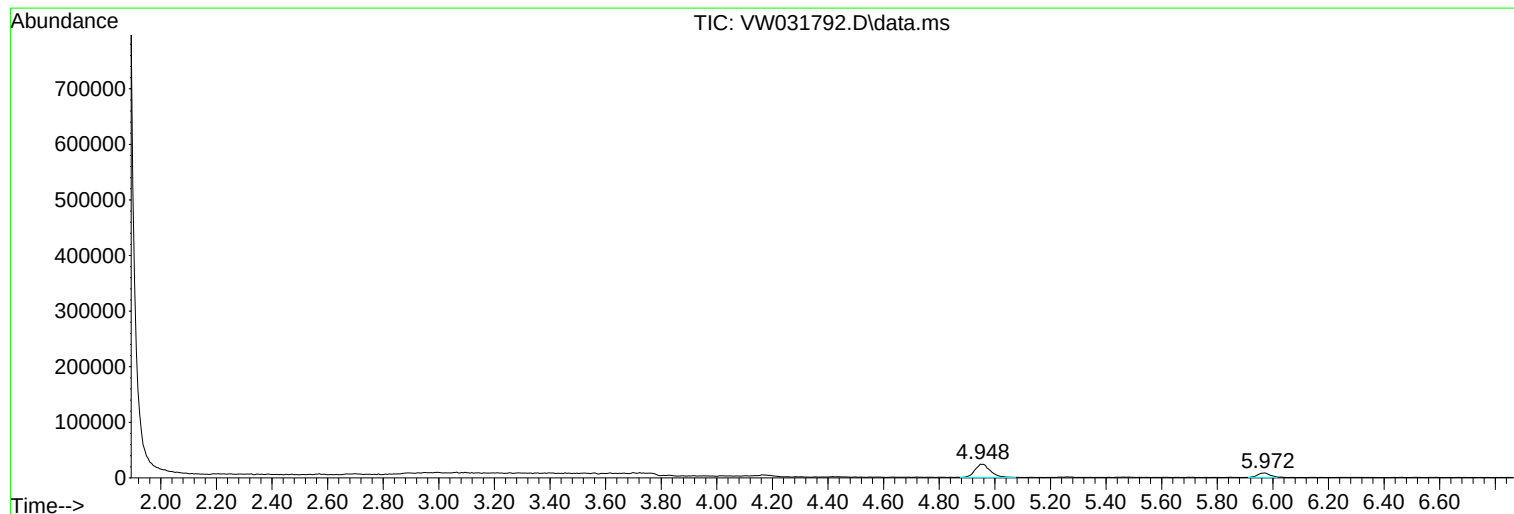
Sum of corrected areas: 6743997

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031792.D
Acq On : 10 Jul 2025 10:15
Operator : SY/MD
Sample : VW0710SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031792.D
Acq On : 10 Jul 2025 10:15
Operator : SY/MD
Sample : VW0710SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031792.D
Acq On : 10 Jul 2025 10:15
Operator : SY/MD
Sample : VW0710SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VX0710MBL01	SDG No.:	Q2480
Lab Sample ID:	VX0710MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046934.D	1	07/10/25 10:22	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VX0710MBL01	SDG No.:	Q2480
Lab Sample ID:	VX0710MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046934.D	1	07/10/25 10:22	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		17 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	5.556			
540-36-3	1,4-Difluorobenzene	390000	6.763			
3114-55-4	Chlorobenzene-d5	362000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	178000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VX0710MBL01	SDG No.:	Q2480
Lab Sample ID:	VX0710MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046934.D	1	07/10/25 10:22	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046934.D
 Acq On : 10 Jul 2025 10:22
 Operator : JC/MD
 Sample : VX0710MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBL01

Quant Time: Jul 11 01:25:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	220827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	390309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	178141	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	150620	51.629	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.260%
35) Dibromofluoromethane	5.391	113	128040	48.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.660%
50) Toluene-d8	8.647	98	463264	49.559	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.120%
62) 4-Bromofluorobenzene	11.079	95	174712	49.178	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.360%

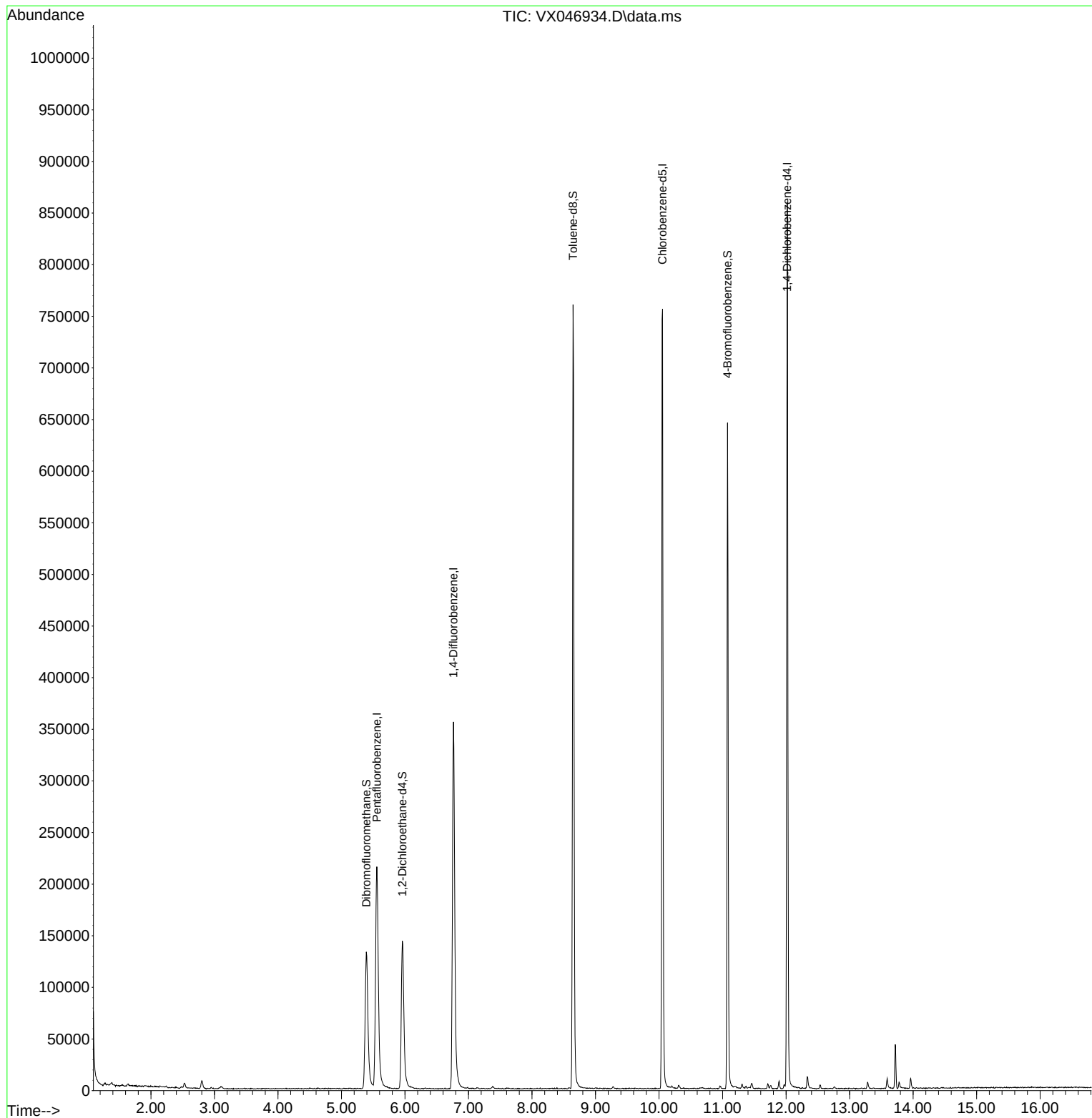
Target Compounds	Qvalue

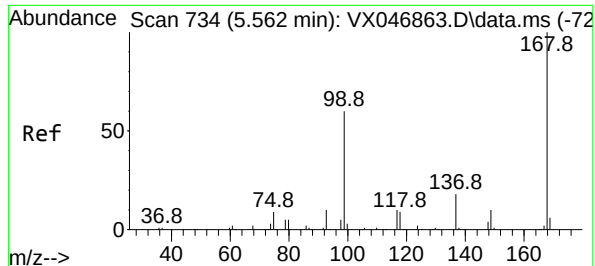
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046934.D
Acq On : 10 Jul 2025 10:22
Operator : JC/MD
Sample : VX0710MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

Quant Time: Jul 11 01:25:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

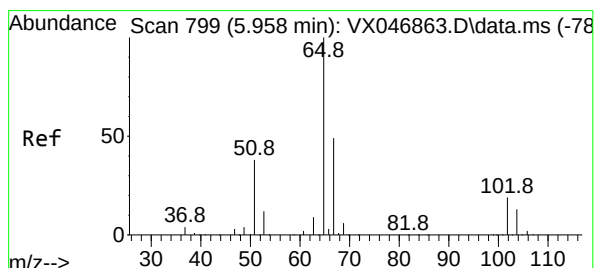
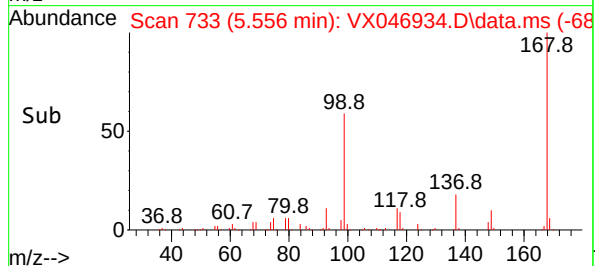
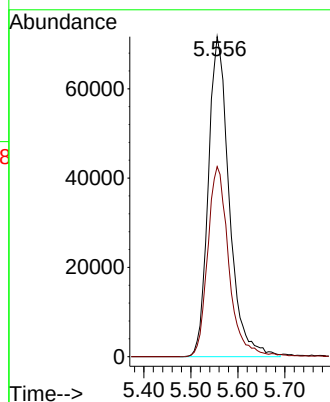
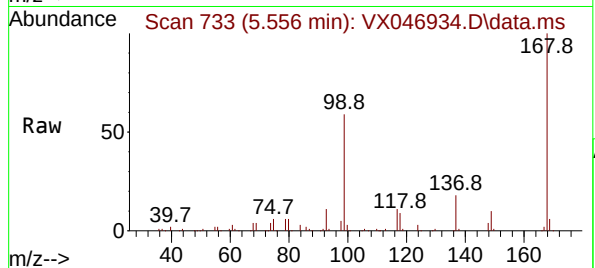




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.006 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

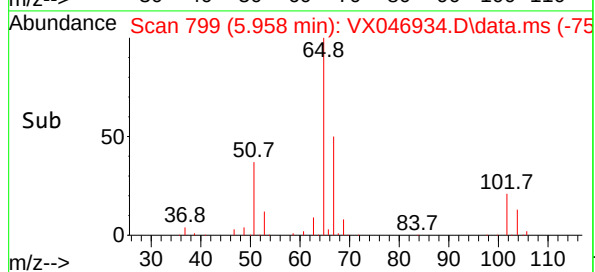
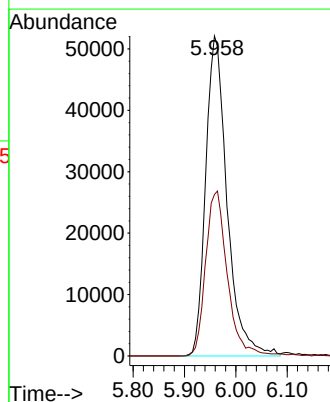
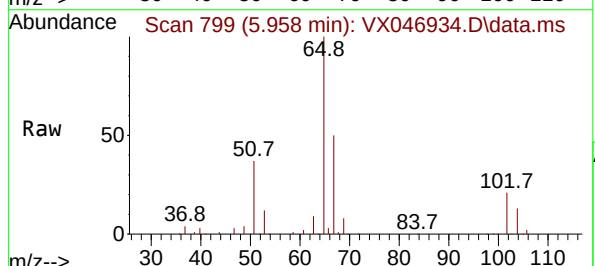
Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

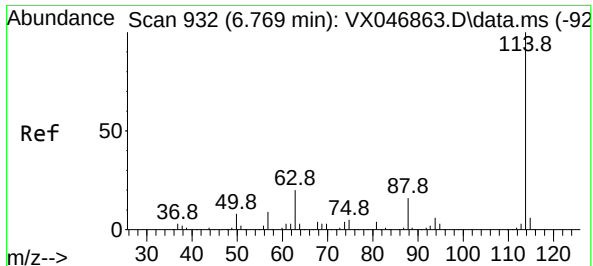
Tgt Ion:168 Resp: 220827
Ion Ratio Lower Upper
168 100
99 59.4 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 51.629 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion: 65 Resp: 150620
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.2

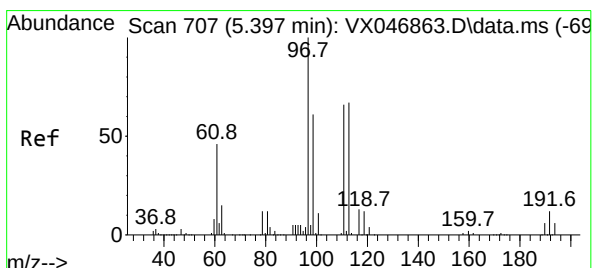
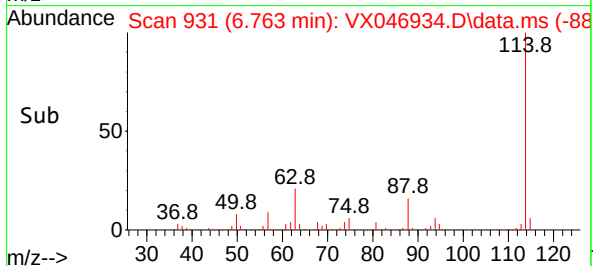
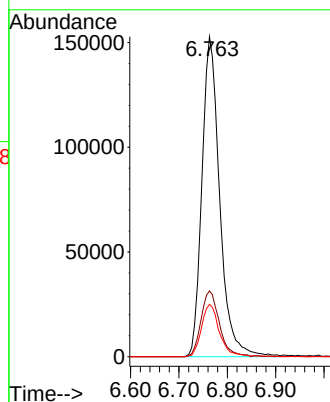
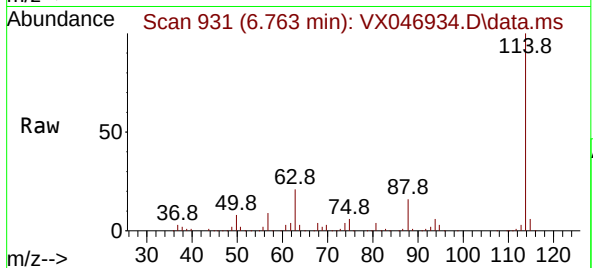




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

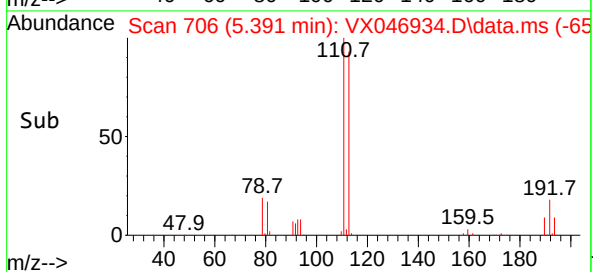
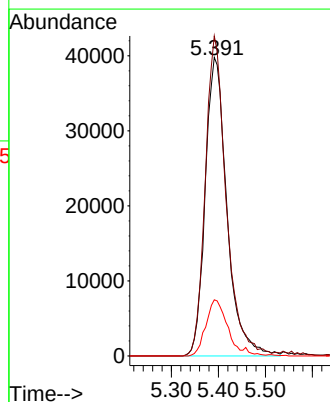
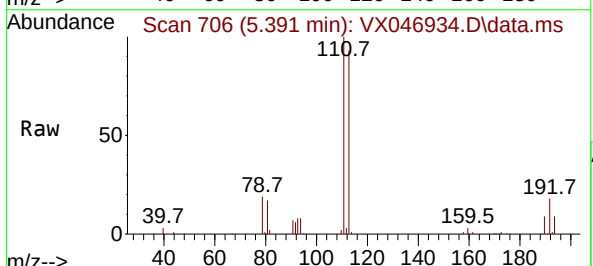
Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

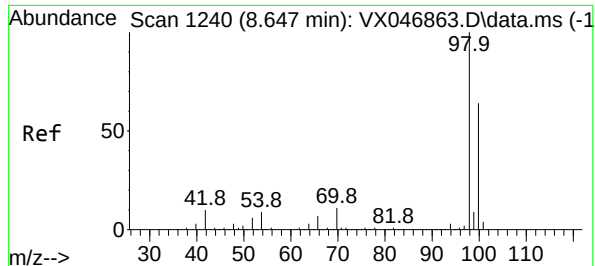
Tgt Ion:114 Resp: 390309
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.4
88 16.4 0.0 31.0



#35
Dibromofluoromethane
Concen: 48.327 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion:113 Resp: 128040
Ion Ratio Lower Upper
113 100
111 103.1 81.2 121.8
192 19.0 15.3 22.9





#50

Toluene-d8

Concen: 49.559 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

Instrument :

MSVOA_X

ClientSampleId :

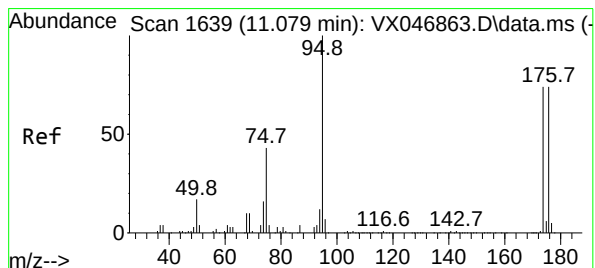
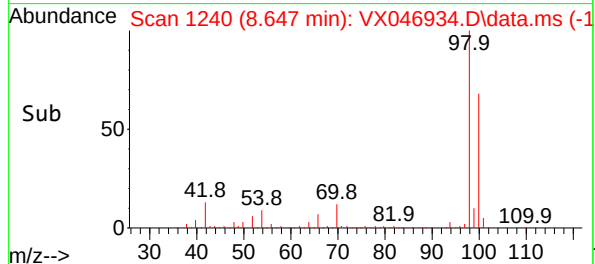
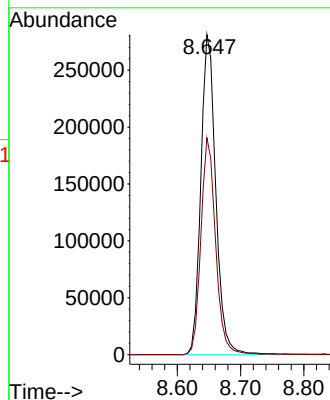
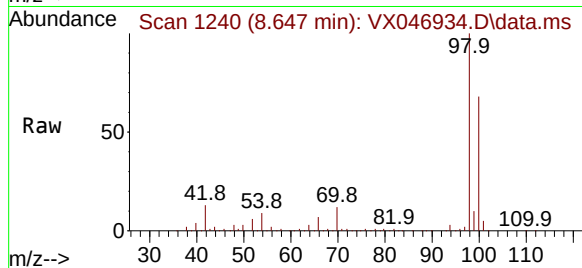
VX0710MBL01

Tgt Ion: 98 Resp: 463264

Ion Ratio Lower Upper

98 100

100 66.7 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 49.178 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

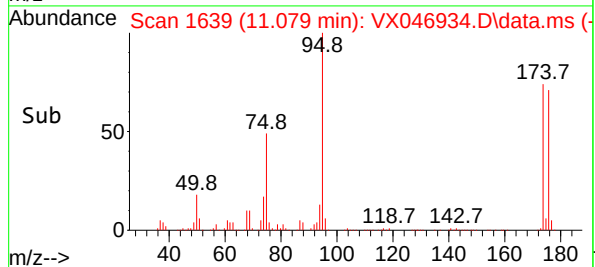
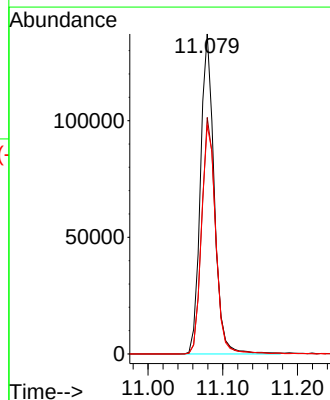
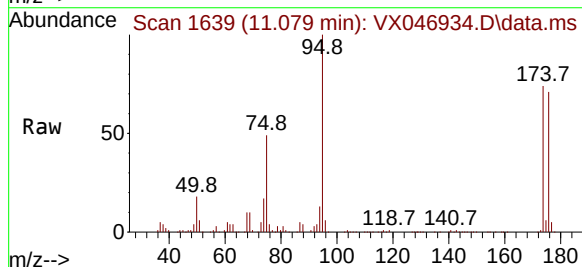
Tgt Ion: 95 Resp: 174712

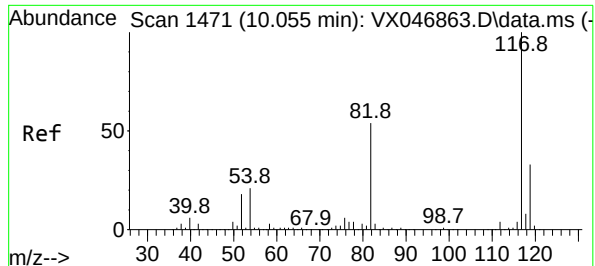
Ion Ratio Lower Upper

95 100

174 75.6 0.0 152.0

176 74.3 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBL01

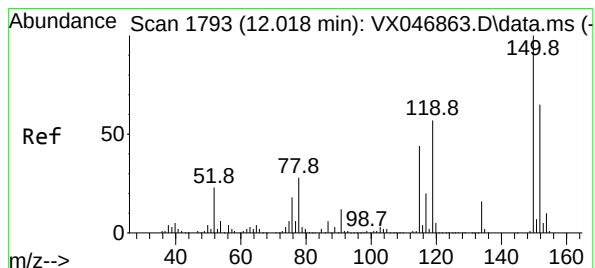
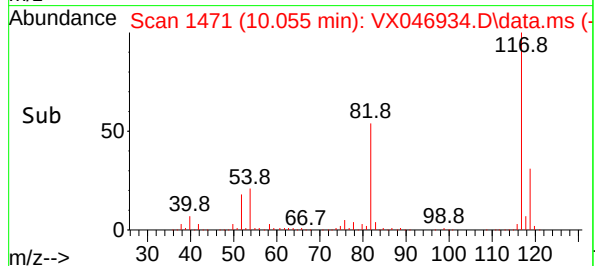
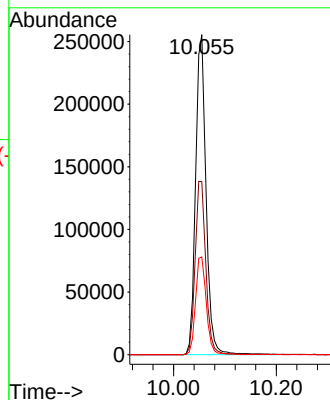
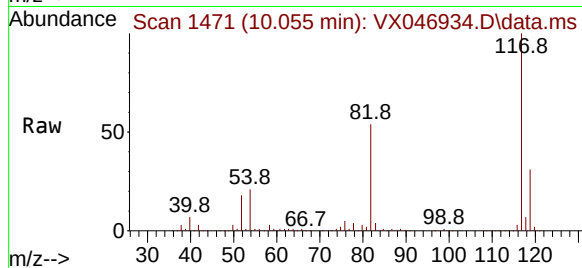
Tgt Ion:117 Resp: 362012

Ion Ratio Lower Upper

117 100

82 54.1 43.3 64.9

119 30.5 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

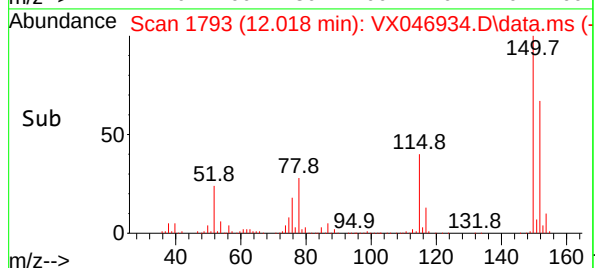
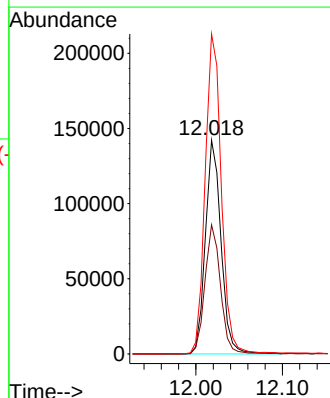
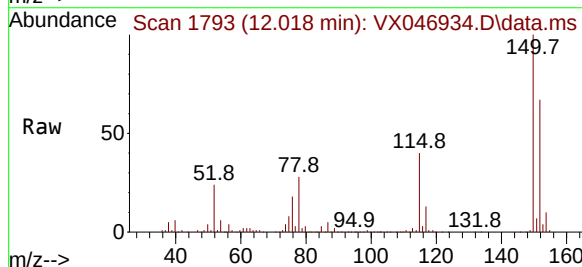
Tgt Ion:152 Resp: 178141

Ion Ratio Lower Upper

152 100

115 60.5 42.4 127.1

150 155.7 0.0 349.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046934.D
 Acq On : 10 Jul 2025 10:22
 Operator : JC/MD
 Sample : VX0710MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M

Title : SW846 8260

Signal : TIC: VX046934.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.800	274	281	293	rVB3	8176	19332	1.55%	0.285%
2	5.391	693	706	722	rBV3	132545	419312	33.61%	6.175%
3	5.556	724	733	750	rVV	212070	644217	51.64%	9.487%
4	5.958	789	799	817	rBV	143099	416960	33.42%	6.140%
5	6.763	921	931	950	rBV	355477	917759	73.57%	13.515%
6	8.647	1234	1240	1256	rBV	759277	1247534	100.00%	18.372%
7	10.055	1465	1471	1484	rBV	754892	1100440	88.21%	16.206%
8	11.079	1634	1639	1650	rBV	644675	832299	66.72%	12.257%
9	12.018	1788	1793	1809	rVB	856334	1089454	87.33%	16.044%
10	12.335	1840	1845	1851	rBV5	11367	18788	1.51%	0.277%
11	13.591	2046	2051	2059	rBV6	9813	15267	1.22%	0.225%
12	13.719	2067	2072	2078	rVB3	42758	55605	4.46%	0.819%
13	13.963	2108	2112	2117	rBV5	9632	13566	1.09%	0.200%

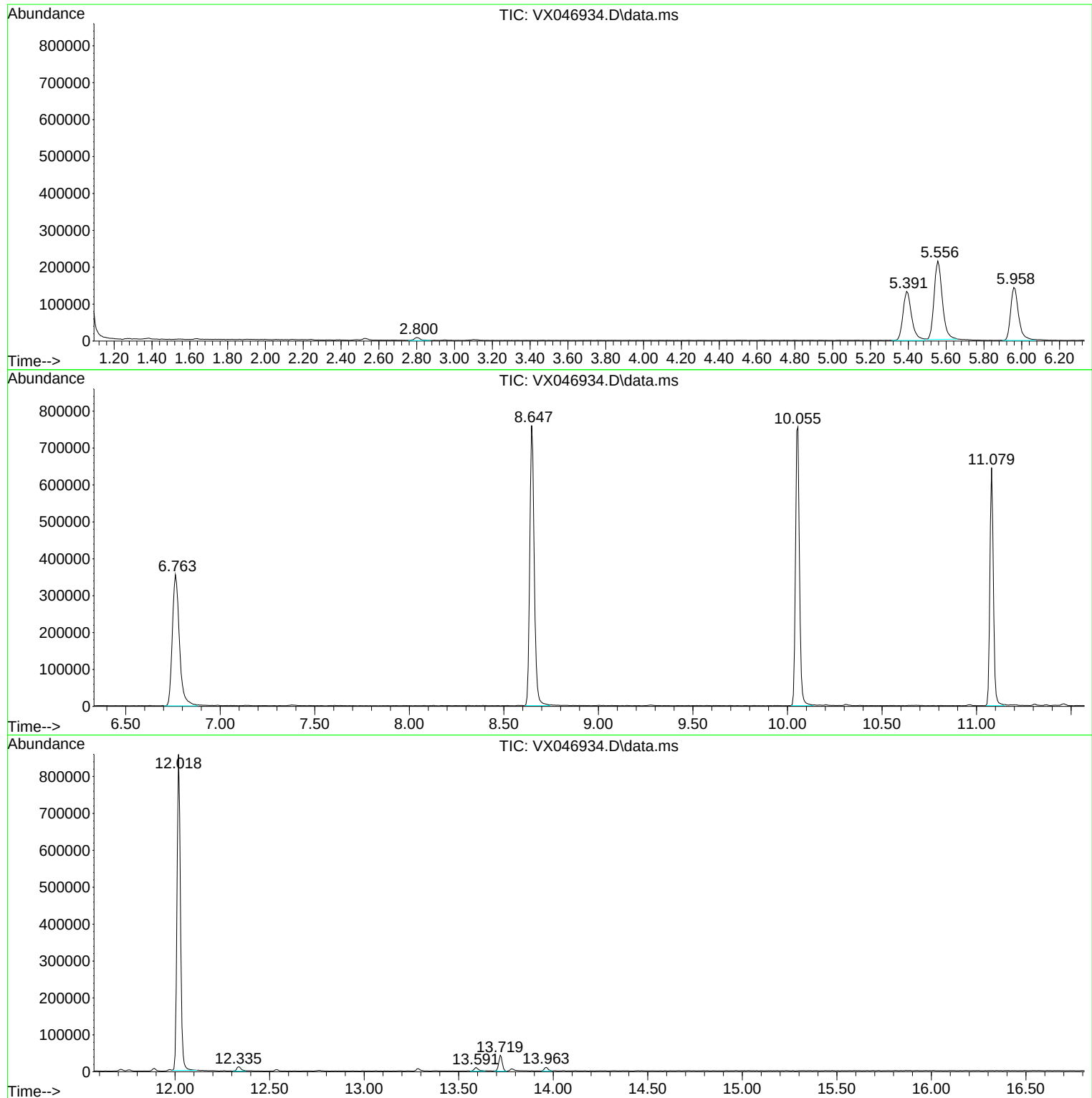
Sum of corrected areas: 6790533

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046934.D
Acq On : 10 Jul 2025 10:22
Operator : JC/MD
Sample : VX0710MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046934.D
Acq On : 10 Jul 2025 10:22
Operator : JC/MD
Sample : VX0710MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046934.D
Acq On : 10 Jul 2025 10:22
Operator : JC/MD
Sample : VX0710MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VX0714MBL01	SDG No.:	Q2480
Lab Sample ID:	VX0714MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046962.D	1	07/14/25 10:54	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VX0714MBL01	SDG No.:	Q2480
Lab Sample ID:	VX0714MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046962.D	1	07/14/25 10:54	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		17 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	353000	5.562			
540-36-3	1,4-Difluorobenzene	590000	6.769			
3114-55-4	Chlorobenzene-d5	542000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	279000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VX0714MBL01	SDG No.:	Q2480
Lab Sample ID:	VX0714MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046962.D	1	07/14/25 10:54	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046962.D
 Acq On : 14 Jul 2025 10:54
 Operator : JC/MD
 Sample : VX0714MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0714MBL01

Quant Time: Jul 15 01:14:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	353449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	590149	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	542379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	279389	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	242617	51.959	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.920%
35) Dibromofluoromethane	5.397	113	199801	49.876	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.760%
50) Toluene-d8	8.653	98	689113	48.756	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.520%
62) 4-Bromofluorobenzene	11.079	95	278070	51.766	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.540%

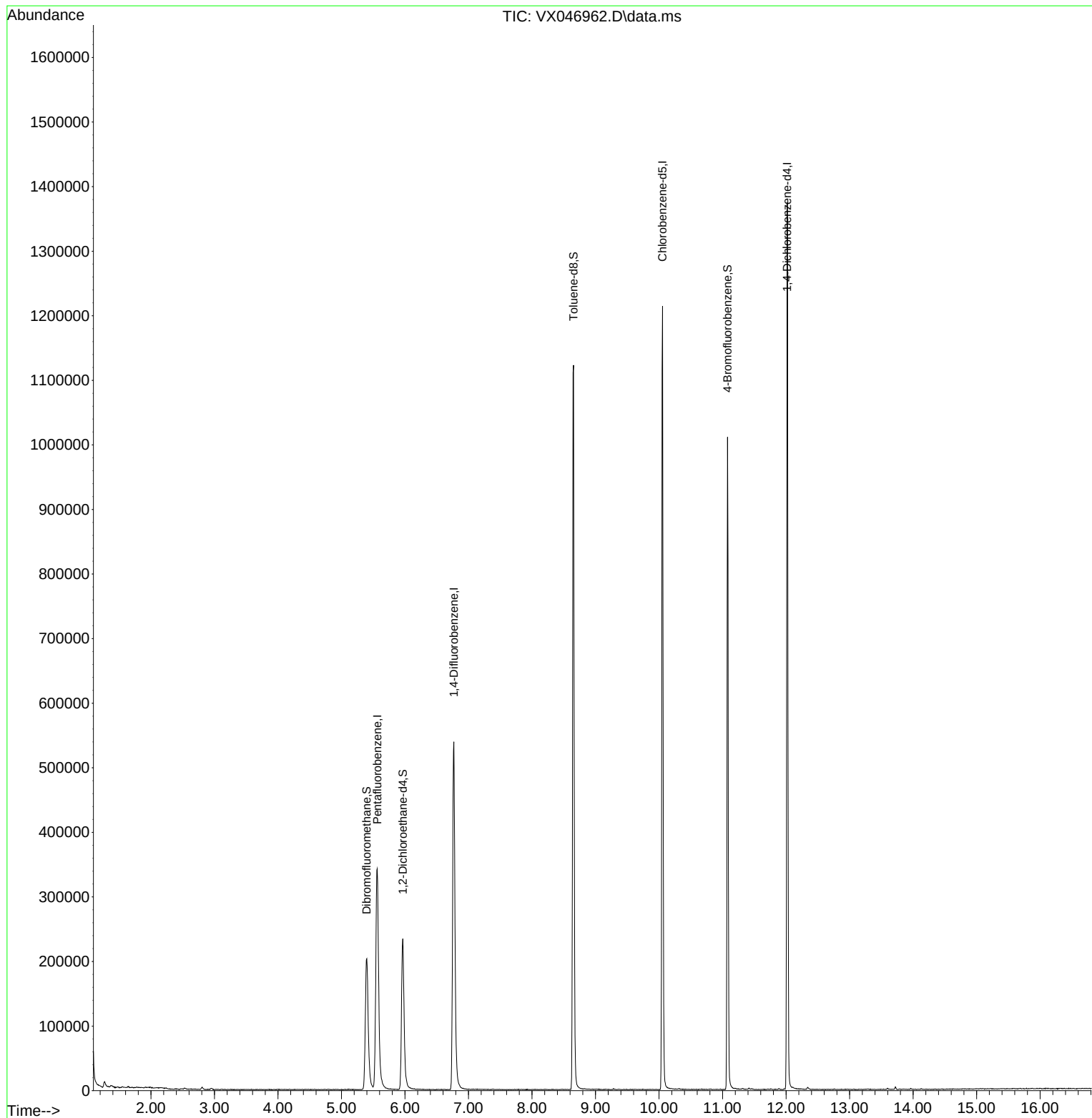
Target Compounds	Qvalue

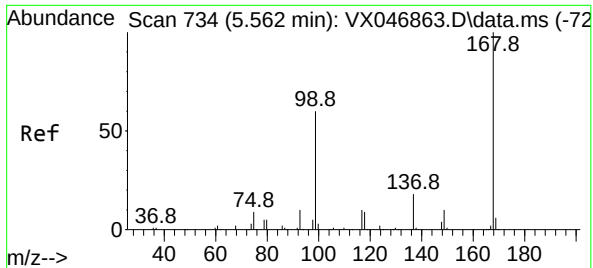
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046962.D
Acq On : 14 Jul 2025 10:54
Operator : JC/MD
Sample : VX0714MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

Quant Time: Jul 15 01:14:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

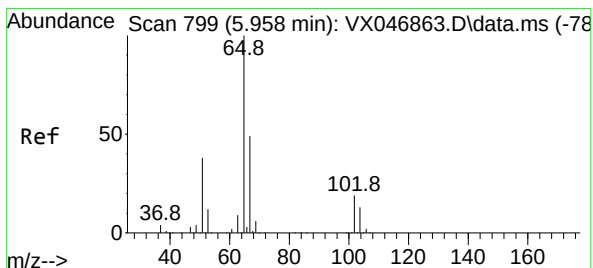
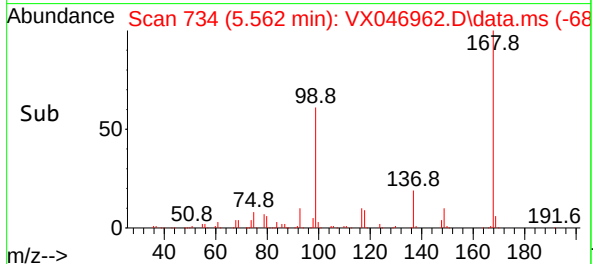
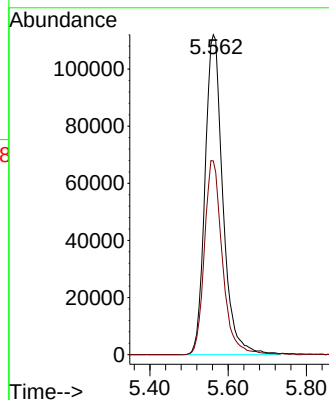
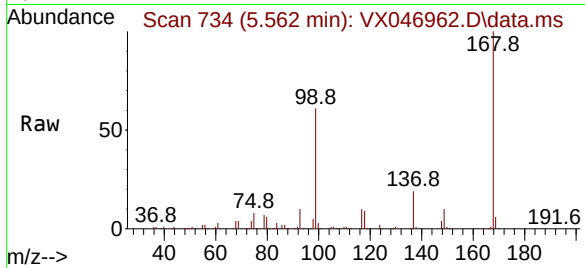




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

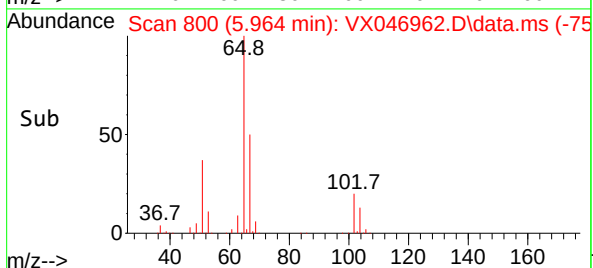
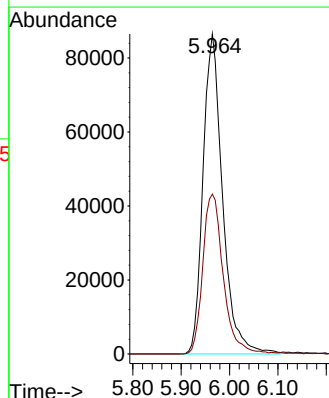
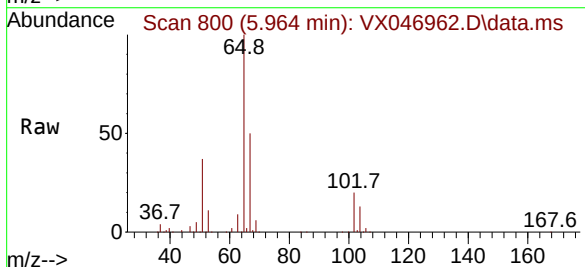
Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

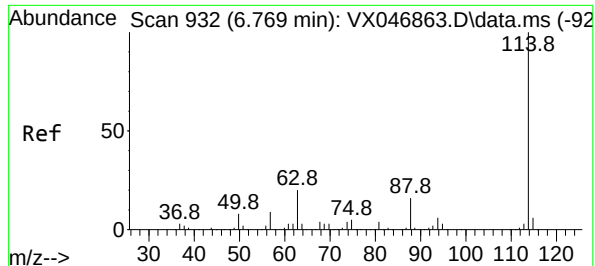
Tgt Ion:168 Resp: 353449
Ion Ratio Lower Upper
168 100
99 60.5 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 51.959 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046962.D
Acq: 14 Jul 2025 10:54

Tgt Ion: 65 Resp: 242617
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046962.D

Acq: 14 Jul 2025 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0714MBL01

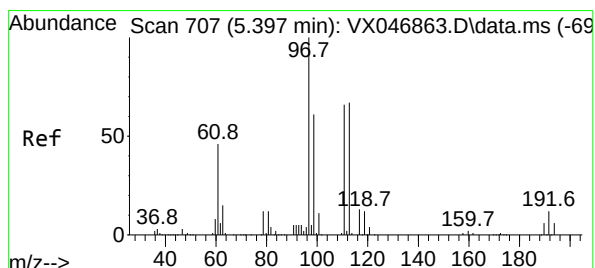
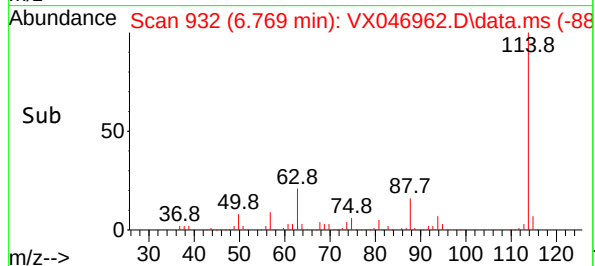
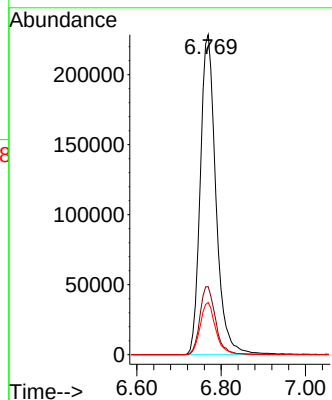
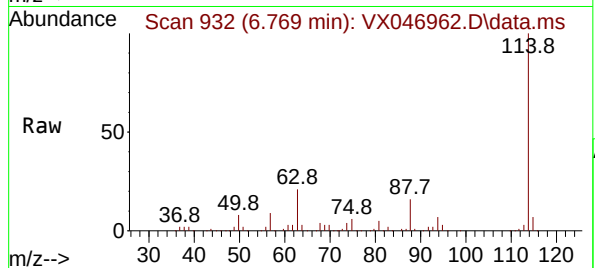
Tgt Ion:114 Resp: 590149

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.4

88 16.3 0.0 31.0



#35

Dibromofluoromethane

Concen: 49.876 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046962.D

Acq: 14 Jul 2025 10:54

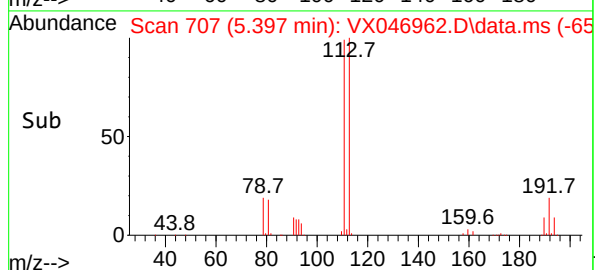
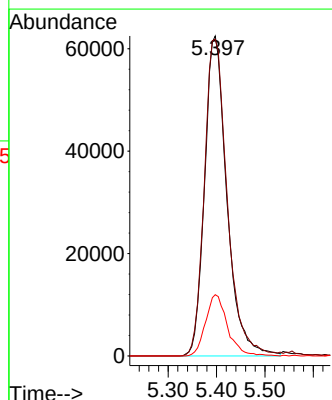
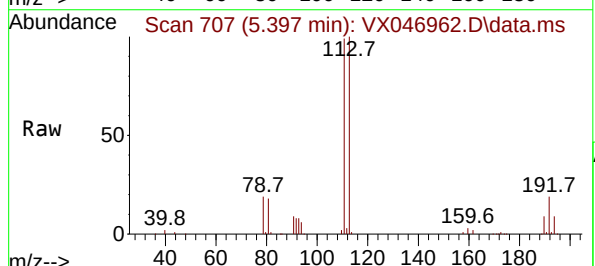
Tgt Ion:113 Resp: 199801

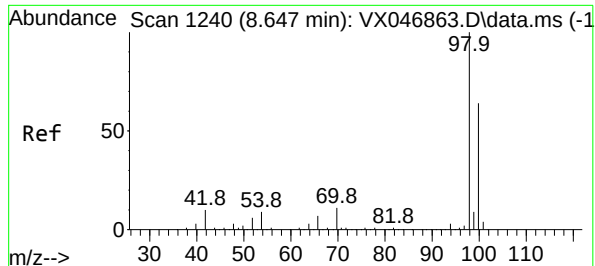
Ion Ratio Lower Upper

113 100

111 102.1 81.2 121.8

192 18.9 15.3 22.9





#50

Toluene-d8

Concen: 48.756 ug/l

RT: 8.653 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046962.D

Acq: 14 Jul 2025 10:54

Instrument :

MSVOA_X

ClientSampleId :

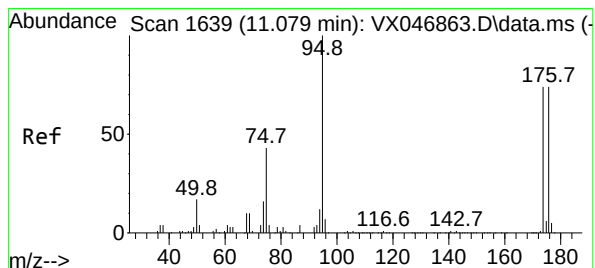
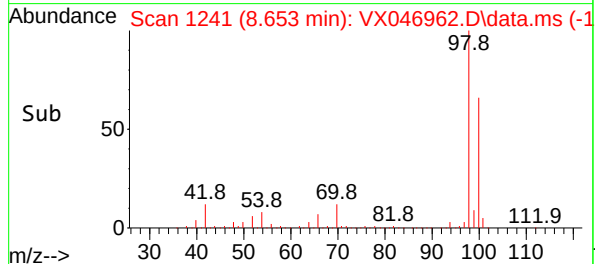
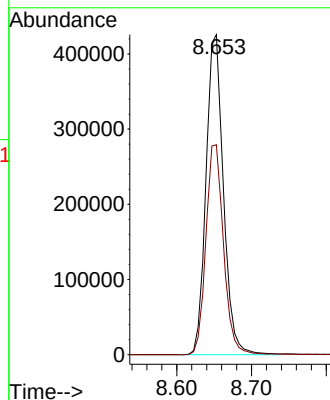
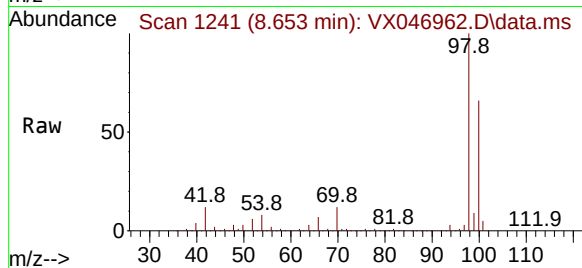
VX0714MBL01

Tgt Ion: 98 Resp: 689113

Ion Ratio Lower Upper

98 100

100 66.7 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 51.766 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046962.D

Acq: 14 Jul 2025 10:54

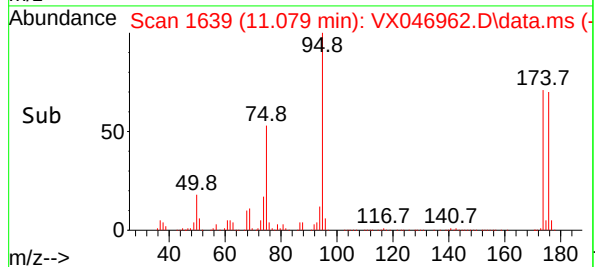
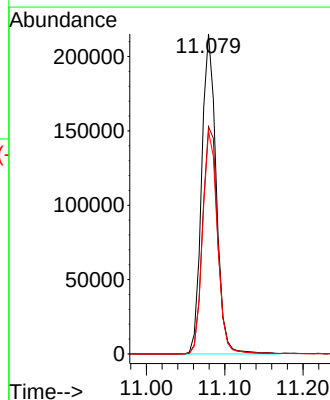
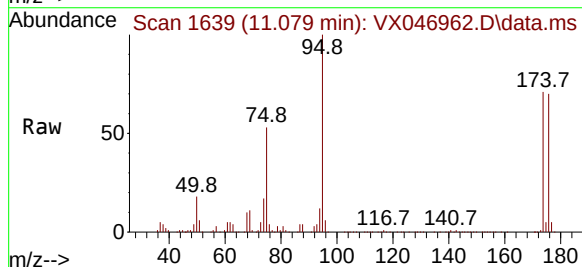
Tgt Ion: 95 Resp: 278070

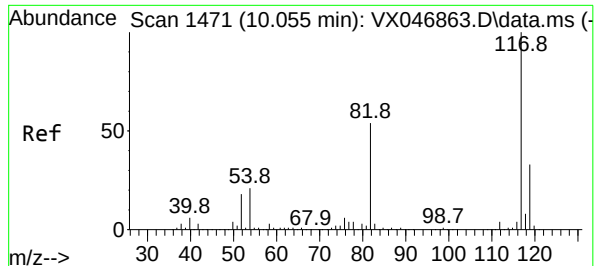
Ion Ratio Lower Upper

95 100

174 73.9 0.0 152.0

176 70.9 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX046962.D

Acq: 14 Jul 2025 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0714MBL01

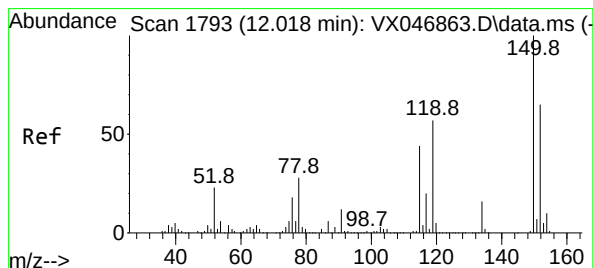
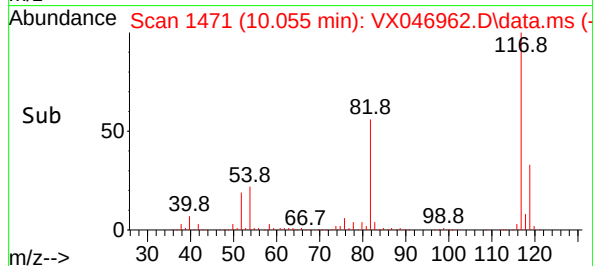
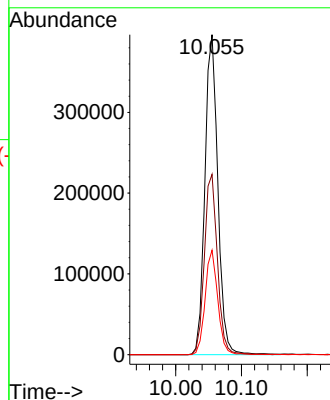
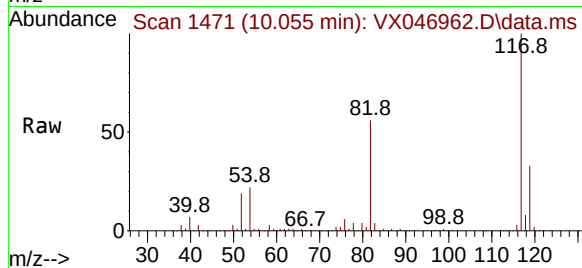
Tgt Ion:117 Resp: 542379

Ion Ratio Lower Upper

117 100

82 56.3 43.3 64.9

119 32.6 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046962.D

Acq: 14 Jul 2025 10:54

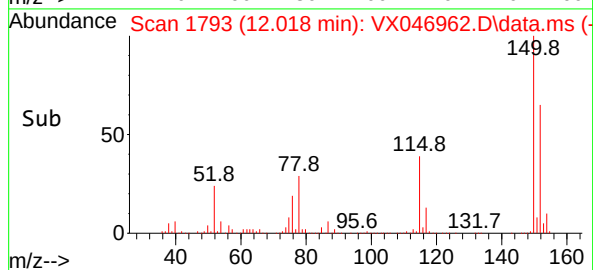
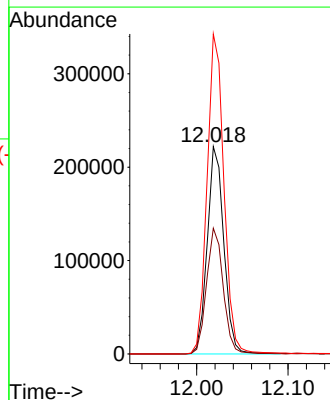
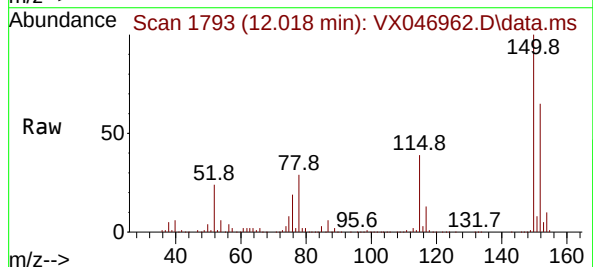
Tgt Ion:152 Resp: 279389

Ion Ratio Lower Upper

152 100

115 61.1 42.4 127.1

150 156.9 0.0 349.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046962.D
Acq On : 14 Jul 2025 10:54
Operator : JC/MD
Sample : VX0714MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M

Title : SW846 8260

Signal : TIC: VX046962.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.270	25	30	36	rBV2	8934	18729	1.01%	0.181%
2	5.397	692	707	723	rBV3	202285	654870	35.26%	6.313%
3	5.562	723	734	757	rVB	340084	1070196	57.63%	10.317%
4	5.964	789	800	819	rBV	233383	667665	35.95%	6.436%
5	6.769	923	932	954	rBV	538414	1390965	74.90%	13.409%
6	8.653	1234	1241	1260	rBV	1121731	1857000	100.00%	17.902%
7	10.055	1464	1471	1484	rBV	1213627	1682619	90.61%	16.221%
8	11.079	1634	1639	1654	rBV	1009783	1308779	70.48%	12.617%
9	12.018	1788	1793	1805	rBV	1372857	1722317	92.75%	16.604%

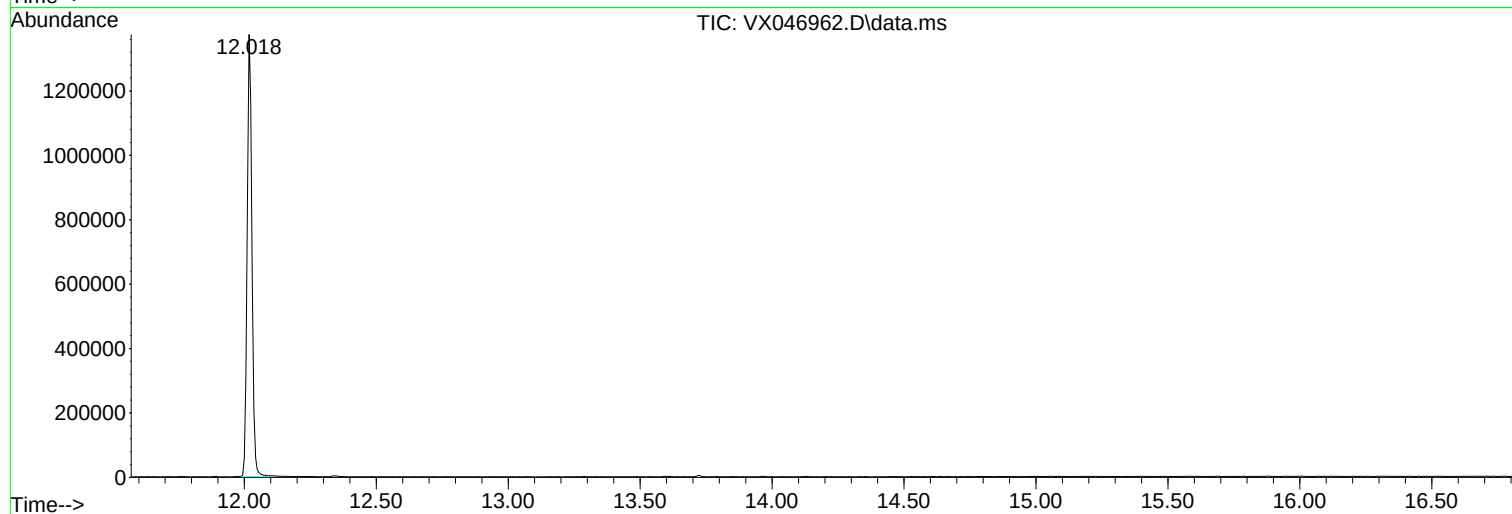
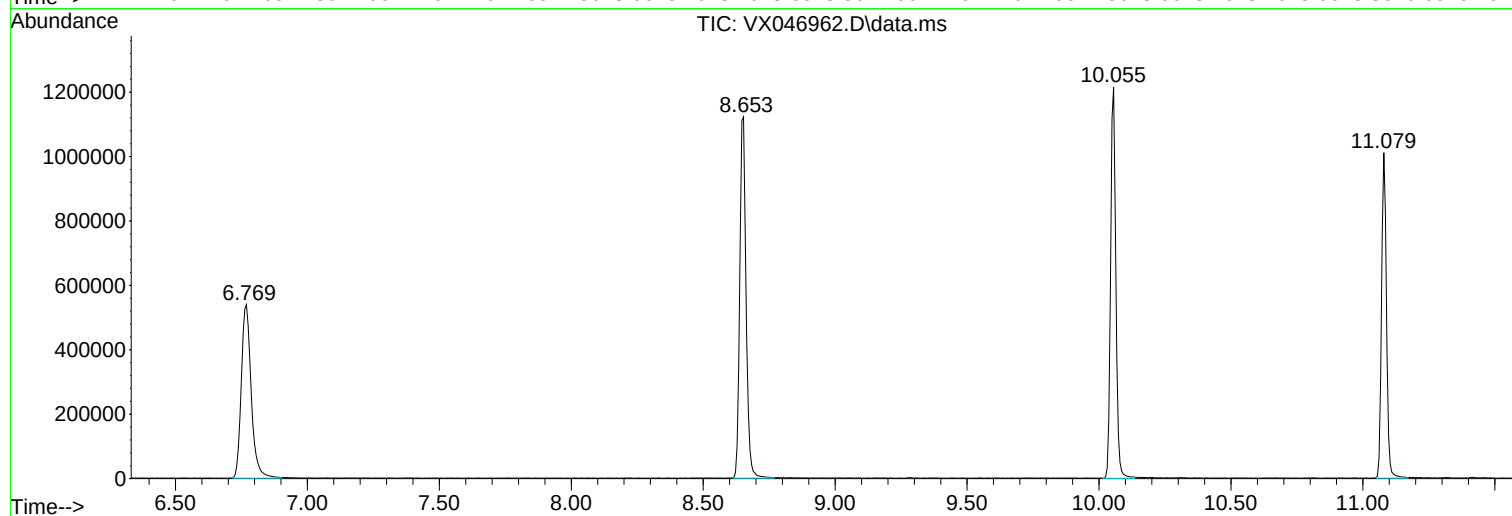
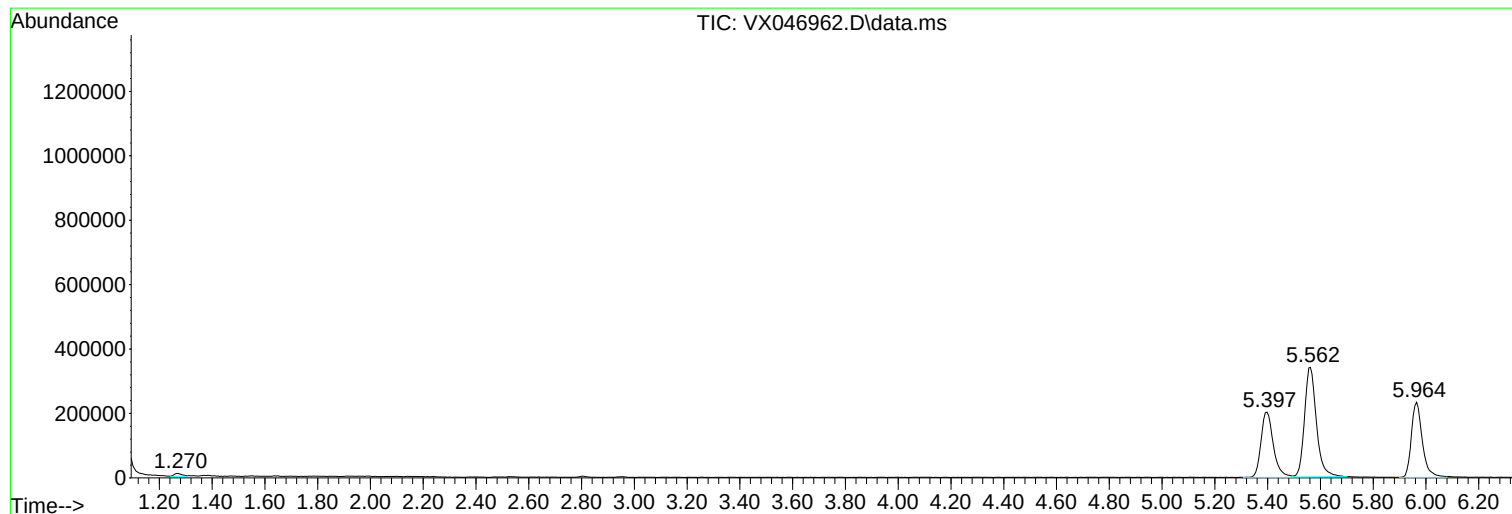
Sum of corrected areas: 10373140

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046962.D
Acq On : 14 Jul 2025 10:54
Operator : JC/MD
Sample : VX0714MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046962.D
Acq On : 14 Jul 2025 10:54
Operator : JC/MD
Sample : VX0714MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046962.D
Acq On : 14 Jul 2025 10:54
Operator : JC/MD
Sample : VX0714MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0714MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VY0707SBL01	SDG No.:	Q2480
Lab Sample ID:	VY0707SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022947.D	1	07/07/25 09:44	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VY0707SBL01	SDG No.:	Q2480
Lab Sample ID:	VY0707SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022947.D	1	07/07/25 09:44	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		17 - 146	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	360000	7.707			
540-36-3	1,4-Difluorobenzene	660000	8.616			
3114-55-4	Chlorobenzene-d5	633000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	266000	13.346			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Lexington		Date Received:	
Client Sample ID:	VY0707SBL01		SDG No.:	Q2480
Lab Sample ID:	VY0707SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022947.D	1	07/07/25 09:44	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022947.D
 Acq On : 07 Jul 2025 09:44
 Operator : SY/MD
 Sample : VY0707SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBL01

Quant Time: Jul 08 01:42:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	359794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	659995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	632698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	266428	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183707	45.748	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.500%
35) Dibromofluoromethane	7.634	113	202436	50.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.880%
50) Toluene-d8	10.109	98	810431	50.883	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.760%
62) 4-Bromofluorobenzene	12.408	95	272718	53.264	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.520%

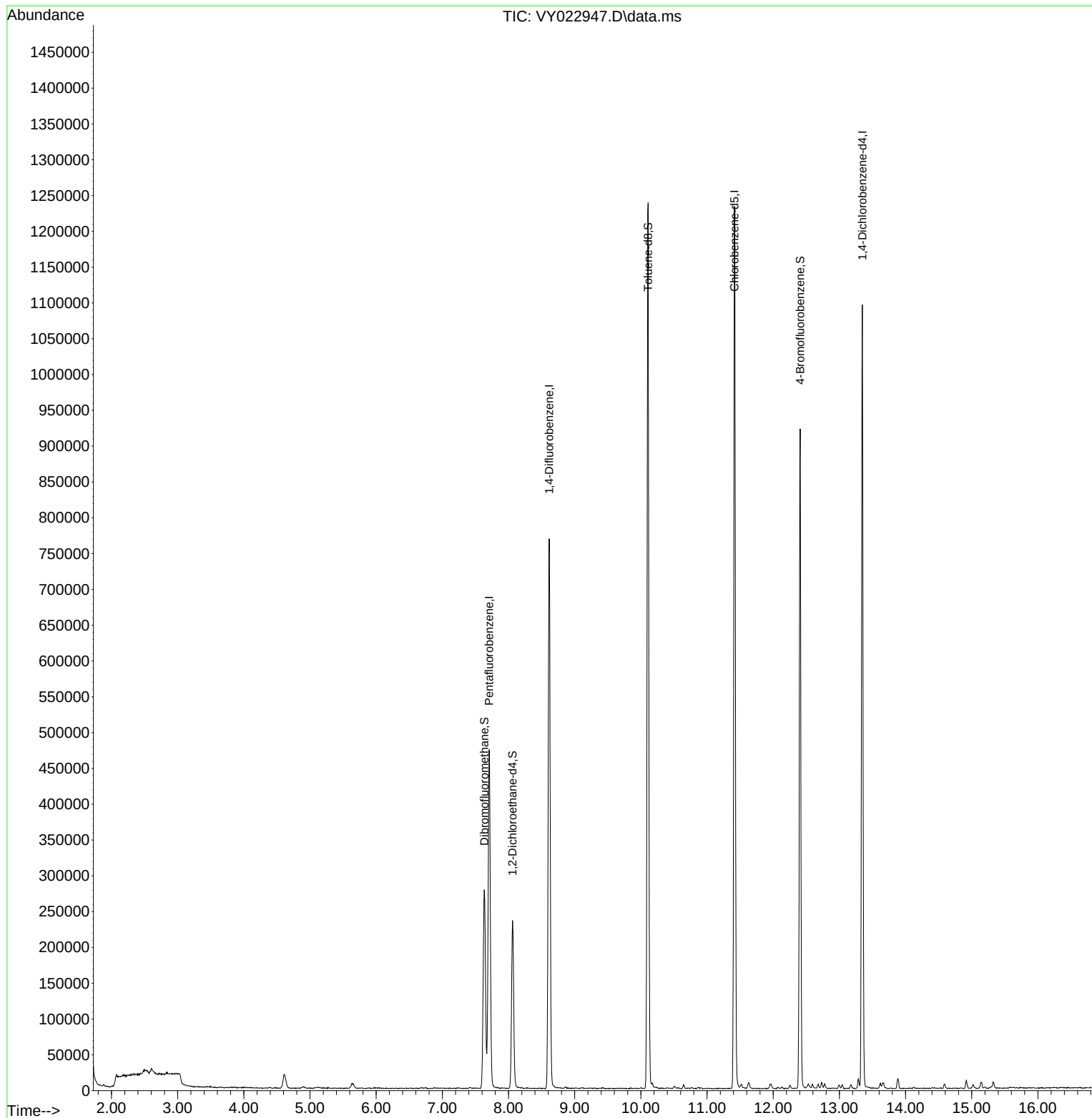
Target Compounds	Qvalue

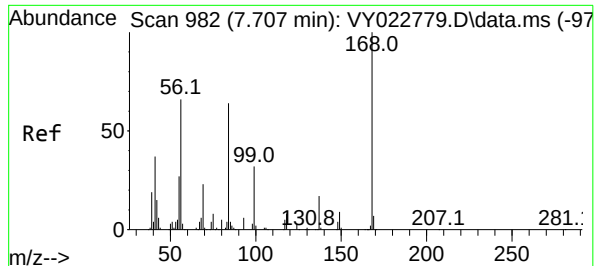
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022947.D
Acq On : 07 Jul 2025 09:44
Operator : SY/MD
Sample : VY0707SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Quant Time: Jul 08 01:42:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

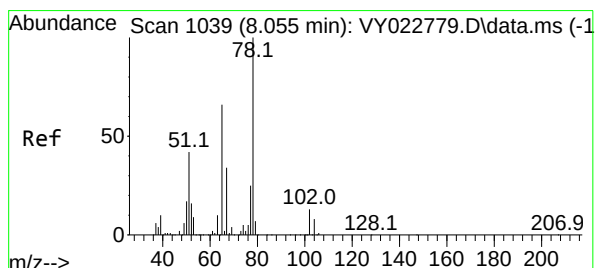
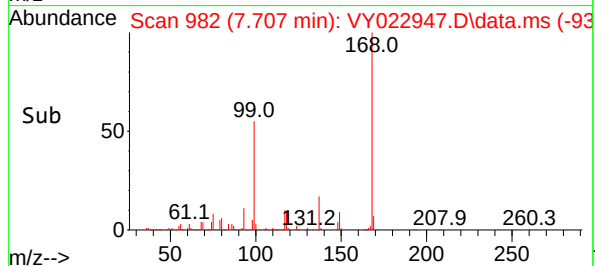
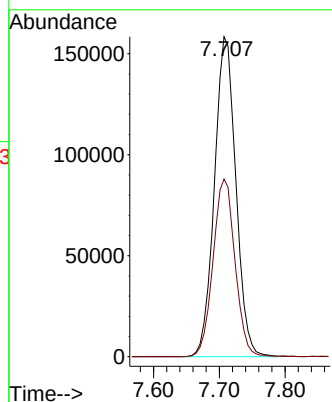
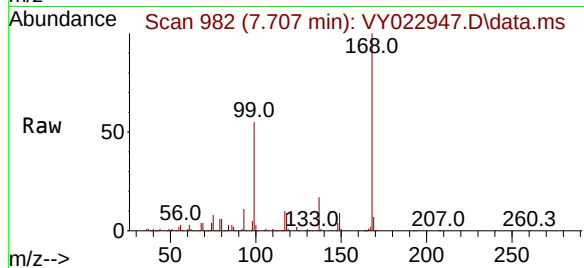




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022947.D
Acq: 07 Jul 2025 09:44

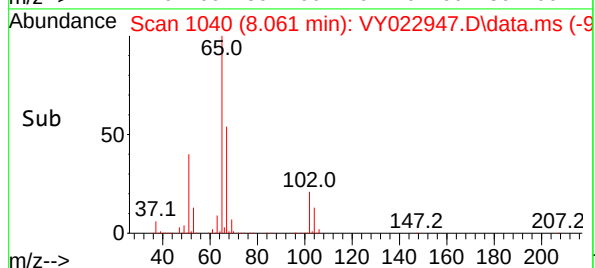
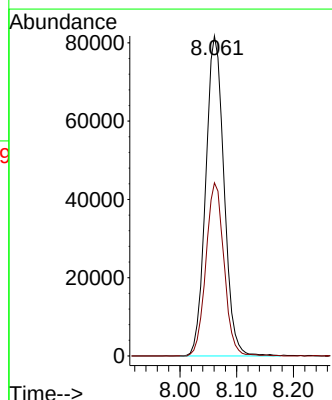
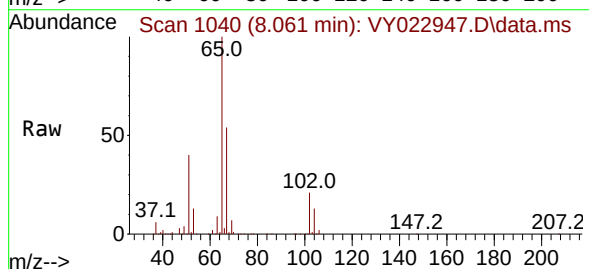
Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

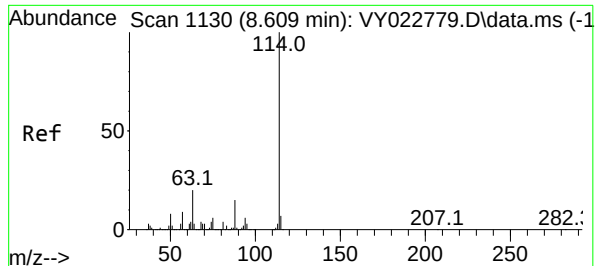
Tgt Ion:168 Resp: 359794
Ion Ratio Lower Upper
168 100
99 55.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 45.748 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022947.D
Acq: 07 Jul 2025 09:44

Tgt Ion: 65 Resp: 183707
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY022947.D

Acq: 07 Jul 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0707SBL01

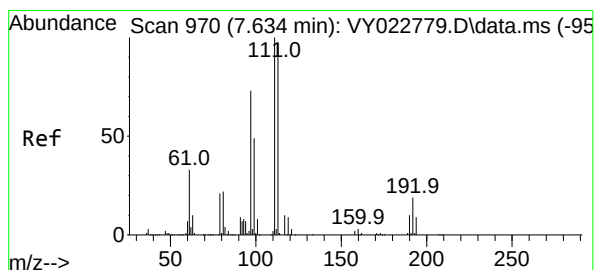
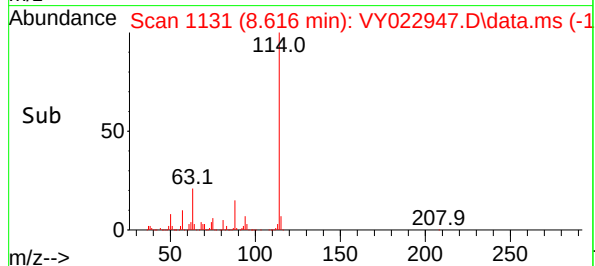
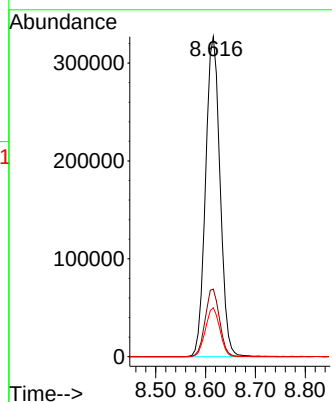
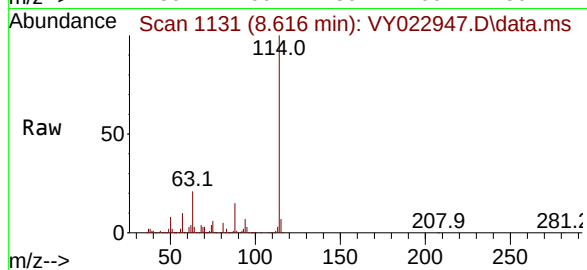
Tgt Ion:114 Resp: 659995

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.435 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022947.D

Acq: 07 Jul 2025 09:44

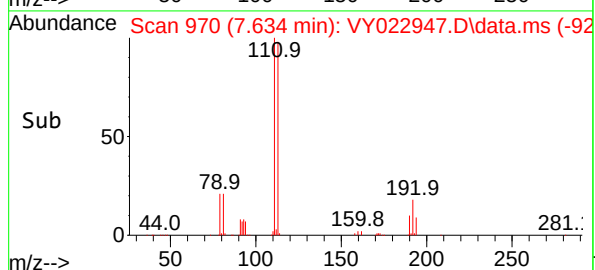
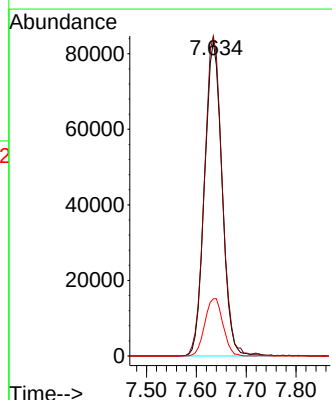
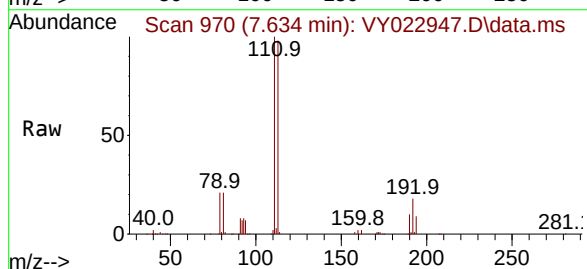
Tgt Ion:113 Resp: 202436

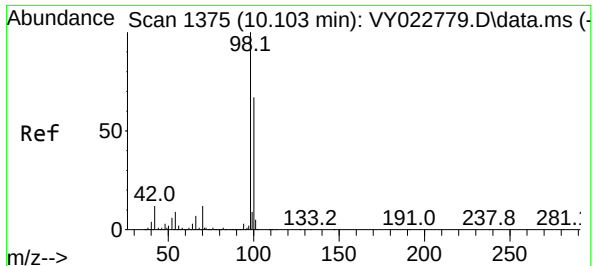
Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 18.9 14.2 21.2

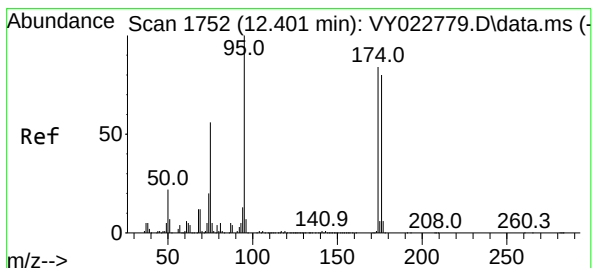
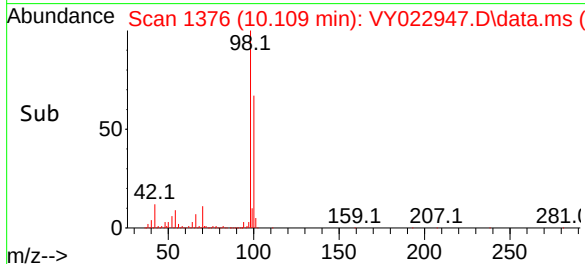
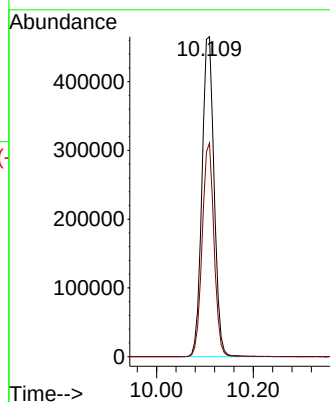
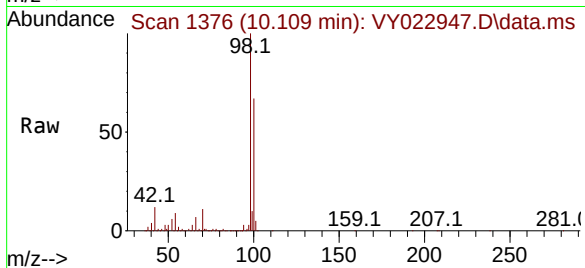




#50
Toluene-d8
Concen: 50.883 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022947.D
Acq: 07 Jul 2025 09:44

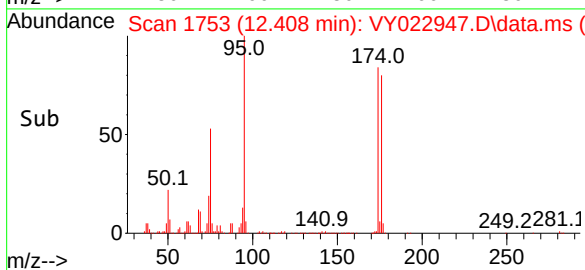
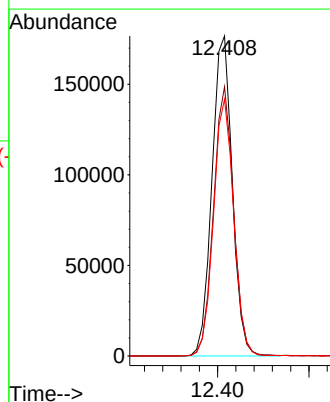
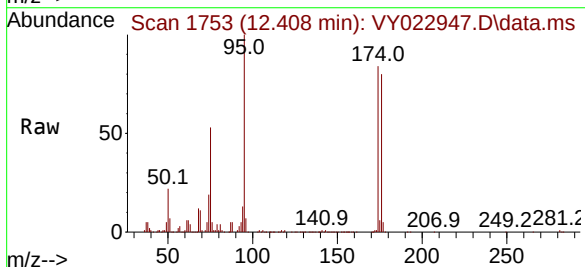
Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

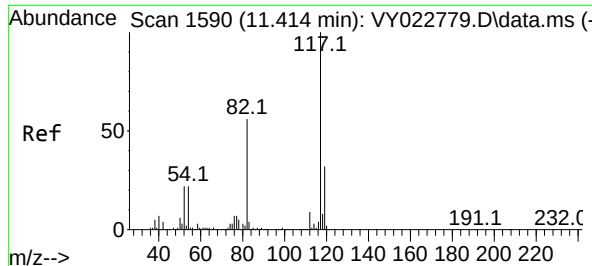
Tgt Ion: 98 Resp: 810431
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 53.264 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022947.D
Acq: 07 Jul 2025 09:44

Tgt Ion: 95 Resp: 272718
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.0
176 79.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022947.D

Acq: 07 Jul 2025 09:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0707SBL01

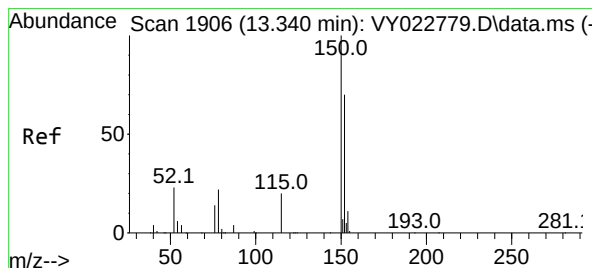
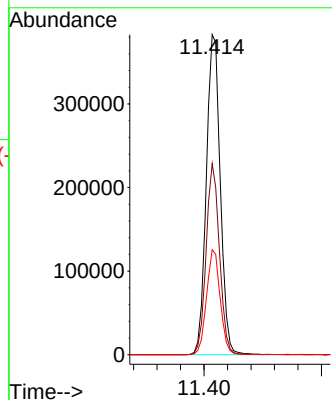
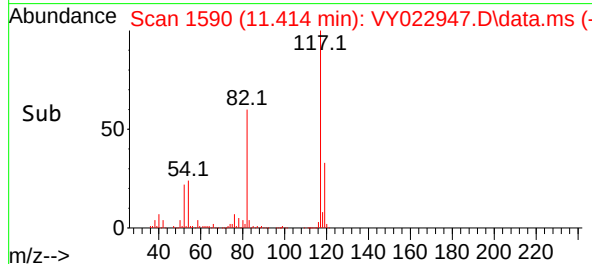
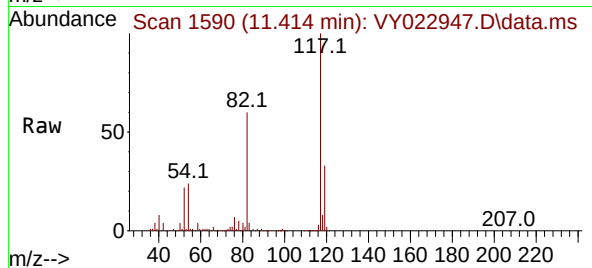
Tgt Ion:117 Resp: 632698

Ion Ratio Lower Upper

117 100

82 59.7 44.6 66.8

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022947.D

Acq: 07 Jul 2025 09:44

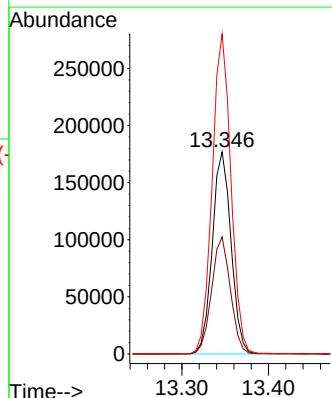
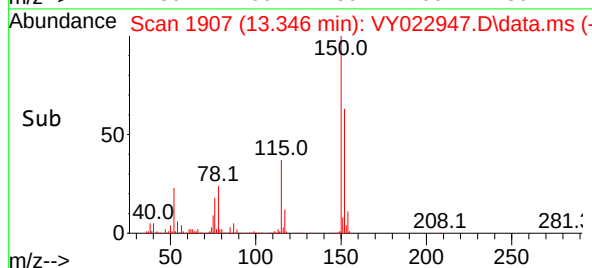
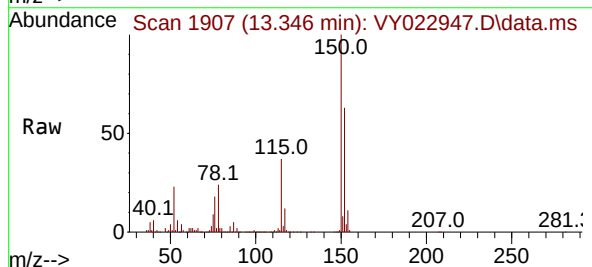
Tgt Ion:152 Resp: 266428

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 158.1 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022947.D
 Acq On : 07 Jul 2025 09:44
 Operator : SY/MD
 Sample : VY0707SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022947.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV2	16030	37402	1.73%	0.331%
2	4.610	464	474	484	rBV2	19667	61053	2.82%	0.540%
3	7.634	961	970	976	rBV	277204	680650	31.44%	6.017%
4	7.707	976	982	995	rVB	471599	1077571	49.77%	9.526%
5	8.061	1031	1040	1053	rBV	234493	530373	24.50%	4.688%
6	8.616	1121	1131	1144	rBV	768455	1573352	72.67%	13.908%
7	10.109	1367	1376	1385	rBV	1237060	2165007	100.00%	19.138%
8	11.414	1582	1590	1603	rBV	1232030	2010675	92.87%	17.774%
9	12.408	1744	1753	1767	rBV	920998	1446673	66.82%	12.788%
10	13.285	1888	1897	1901	rBV4	13260	22160	1.02%	0.196%
11	13.346	1901	1907	1920	rVB	1093151	1683224	77.75%	14.880%
12	13.883	1988	1995	2001	rVB	13857	24196	1.12%	0.214%

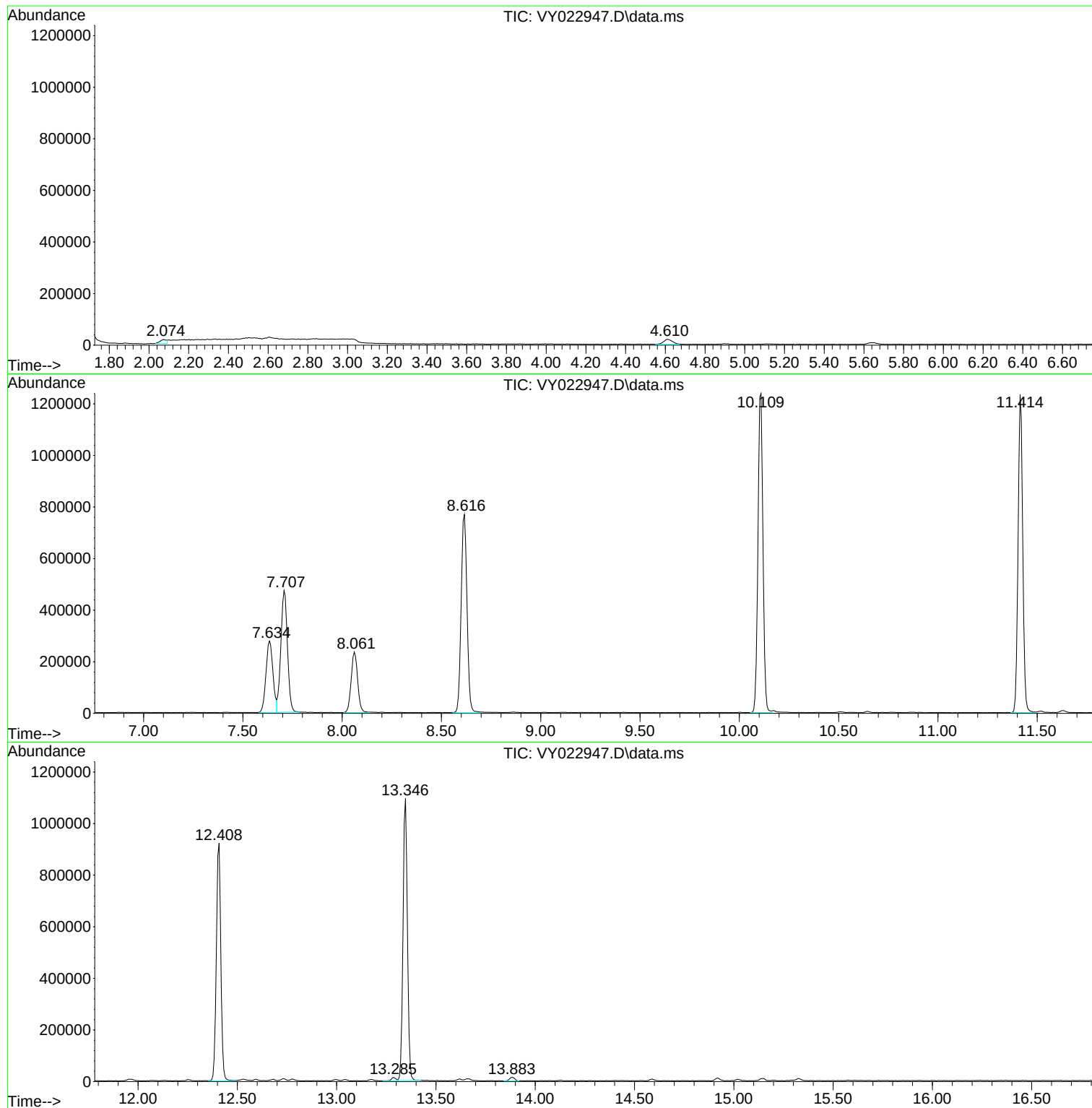
Sum of corrected areas: 11312336

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022947.D
Acq On : 07 Jul 2025 09:44
Operator : SY/MD
Sample : VY0707SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022947.D
Acq On : 07 Jul 2025 09:44
Operator : SY/MD
Sample : VY0707SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022947.D
Acq On : 07 Jul 2025 09:44
Operator : SY/MD
Sample : VY0707SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VY0708SBL01	SDG No.:	Q2480
Lab Sample ID:	VY0708SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022969.D	1	07/08/25 11:44	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Lexington		Date Received:	
Client Sample ID:	VY0708SBL01		SDG No.:	Q2480
Lab Sample ID:	VY0708SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022969.D	1	07/08/25 11:44	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		17 - 146	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	315000	7.707			
540-36-3	1,4-Difluorobenzene	593000	8.616			
3114-55-4	Chlorobenzene-d5	582000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	251000	13.34			



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Lexington		Date Received:	
Client Sample ID:	VY0708SBL01		SDG No.:	Q2480
Lab Sample ID:	VY0708SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022969.D	1	07/08/25 11:44	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022969.D
 Acq On : 08 Jul 2025 11:44
 Operator : SY/MD
 Sample : VY0708SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0708SBL01

Quant Time: Jul 09 02:29:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	314896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	593436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	582188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	250516	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174625	49.686	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.380%
35) Dibromofluoromethane	7.634	113	184653	51.165	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.320%
50) Toluene-d8	10.103	98	727091	50.771	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.540%
62) 4-Bromofluorobenzene	12.402	95	252518	54.851	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.700%

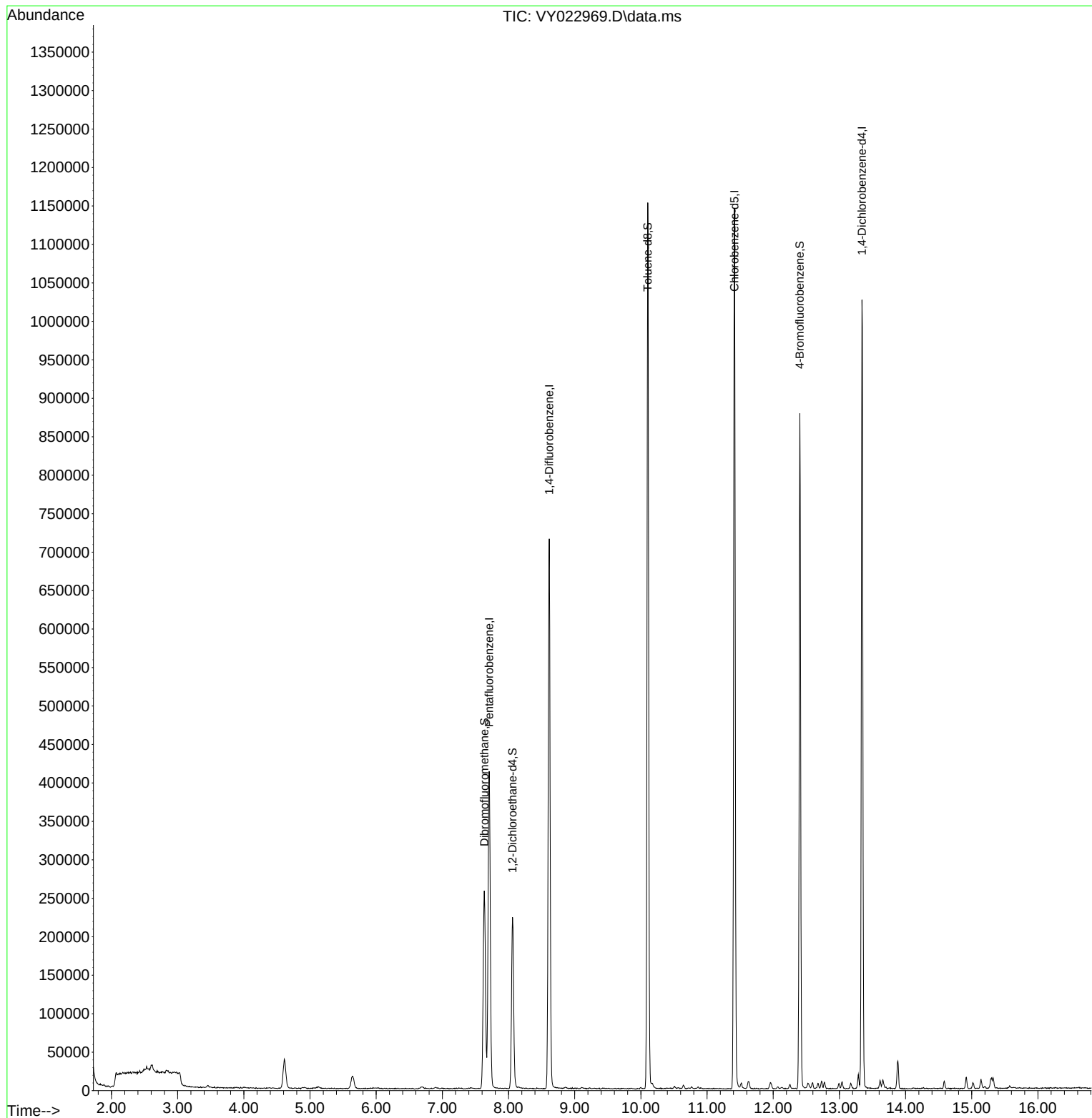
Target Compounds	Qvalue

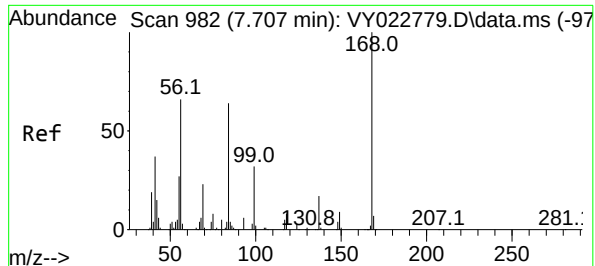
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022969.D
Acq On : 08 Jul 2025 11:44
Operator : SY/MD
Sample : VY0708SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

Quant Time: Jul 09 02:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

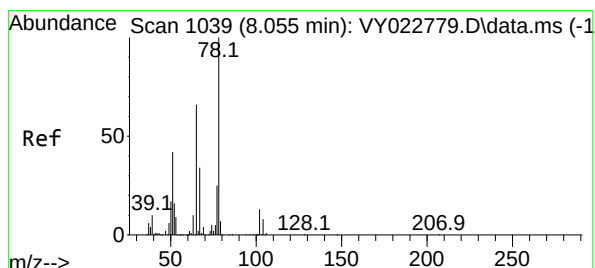
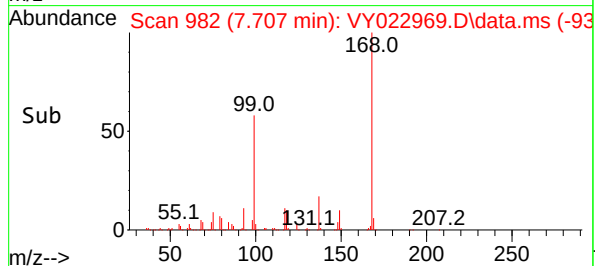
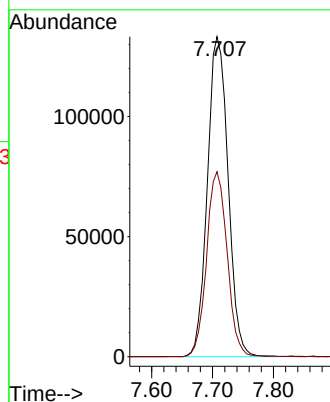
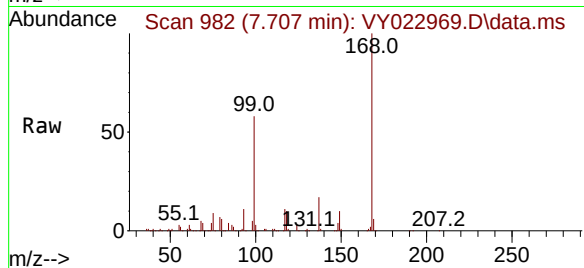




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

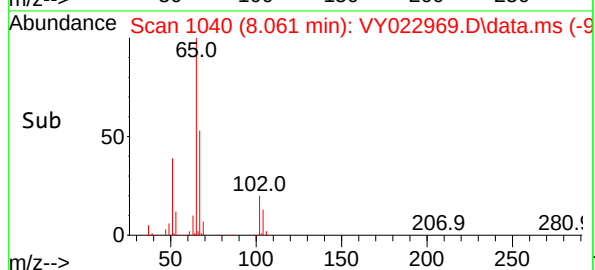
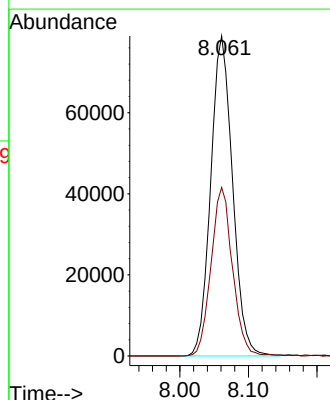
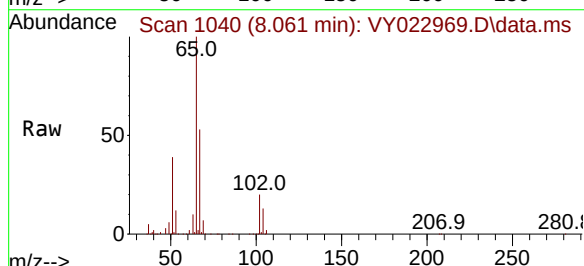
Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

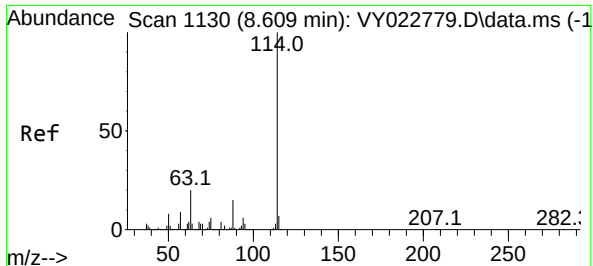
Tgt Ion:168 Resp: 314896
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.686 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 65 Resp: 174625
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY022969.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0708SBL01

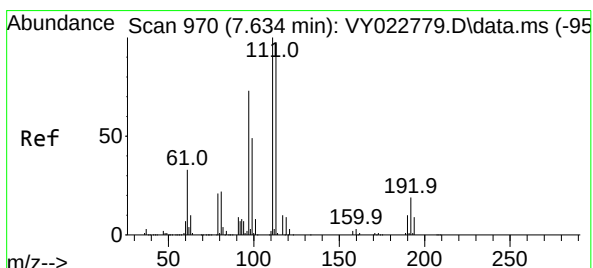
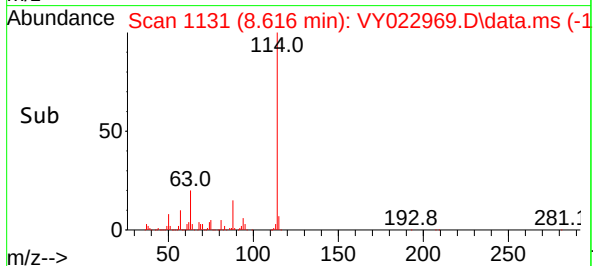
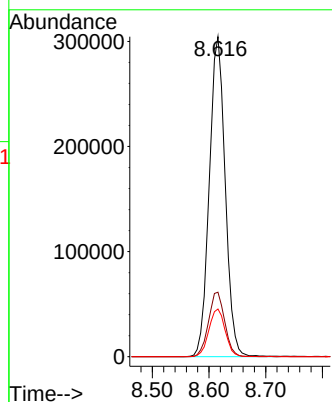
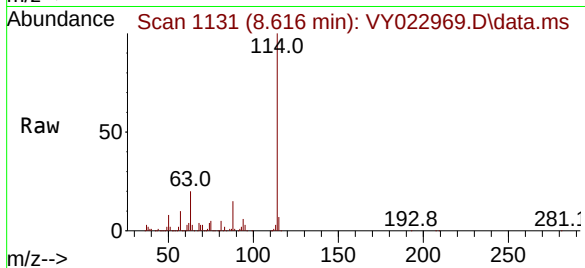
Tgt Ion:114 Resp: 593436

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.165 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022969.D

Acq: 08 Jul 2025 11:44

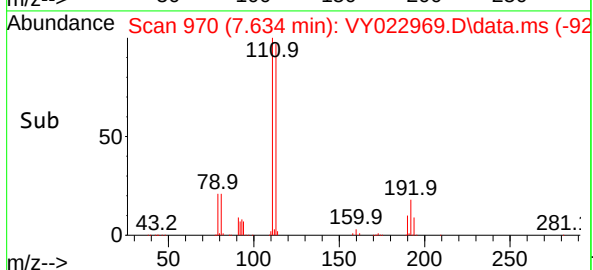
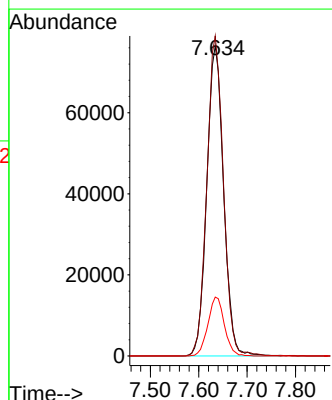
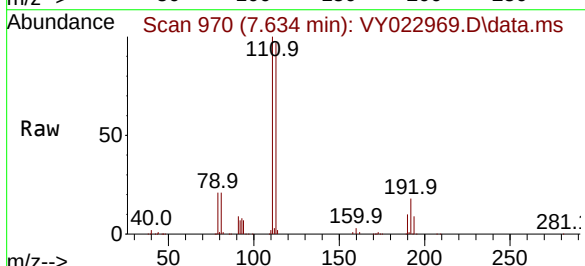
Tgt Ion:113 Resp: 184653

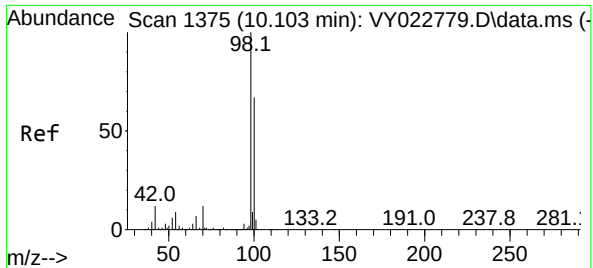
Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

192 18.6 14.2 21.2

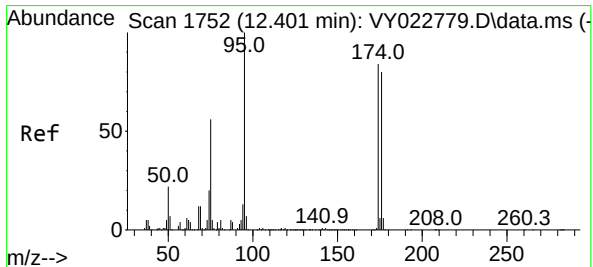
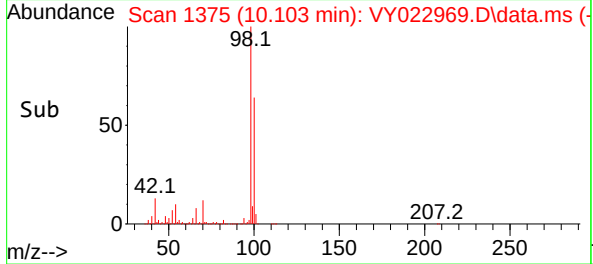
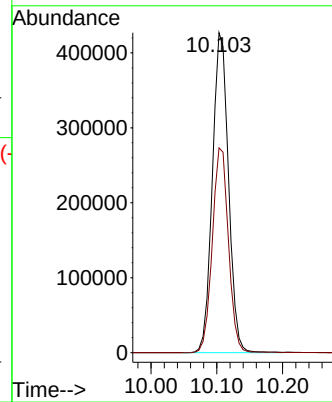
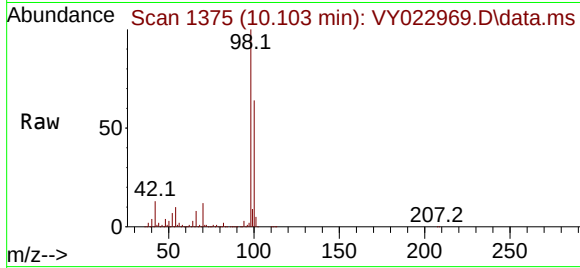




#50
Toluene-d8
Concen: 50.771 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

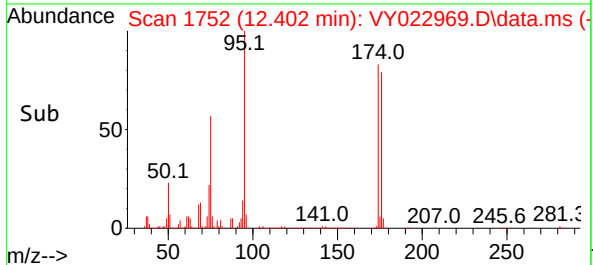
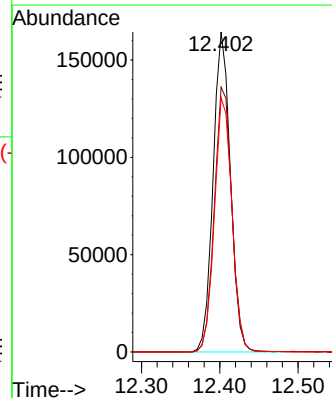
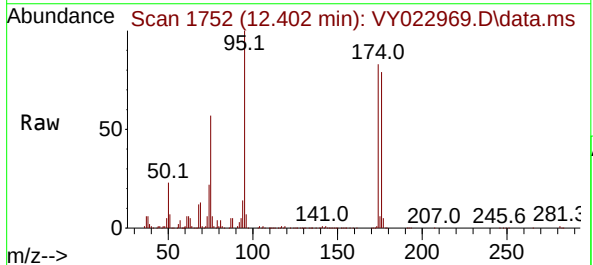
Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

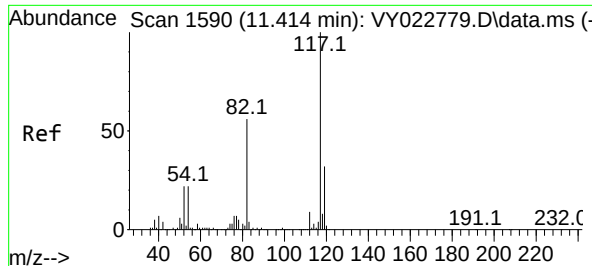
Tgt Ion: 98 Resp: 727091
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 54.851 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 95 Resp: 252518
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.0
176 80.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022969.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0708SBL01

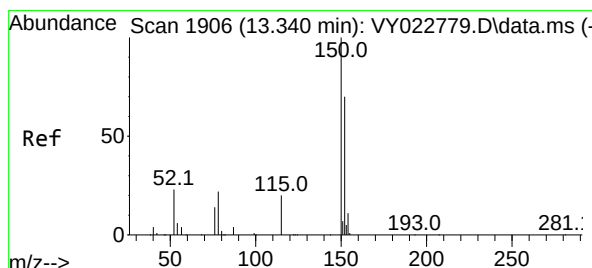
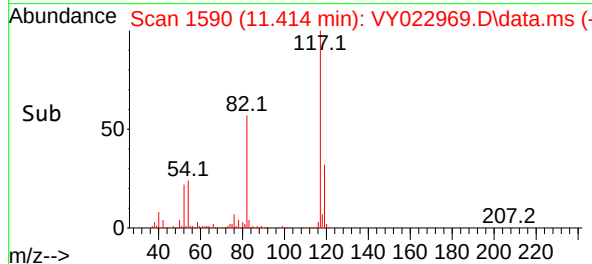
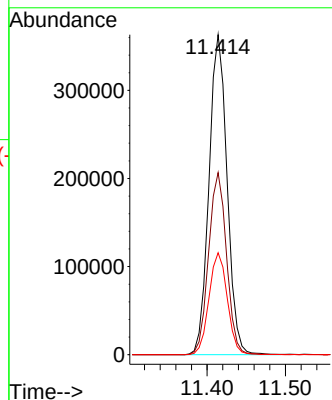
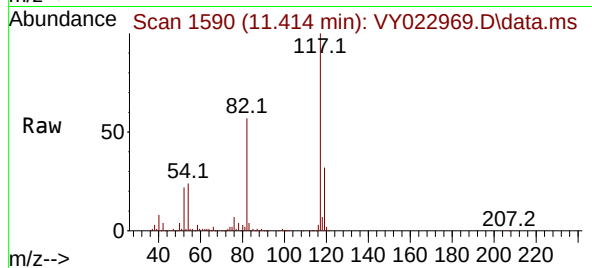
Tgt Ion:117 Resp: 582188

Ion Ratio Lower Upper

117 100

82 56.9 44.6 66.8

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022969.D

Acq: 08 Jul 2025 11:44

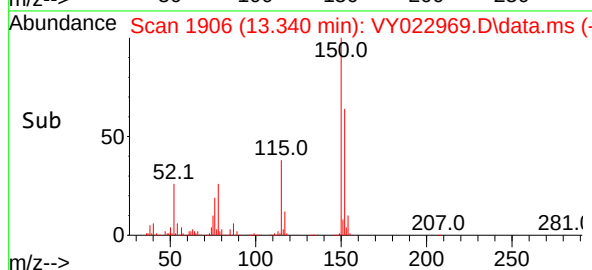
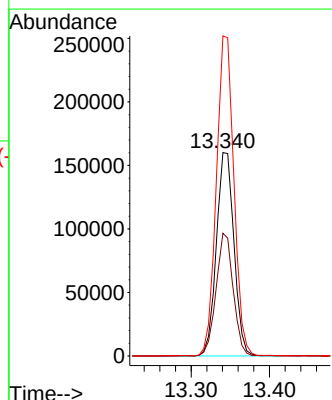
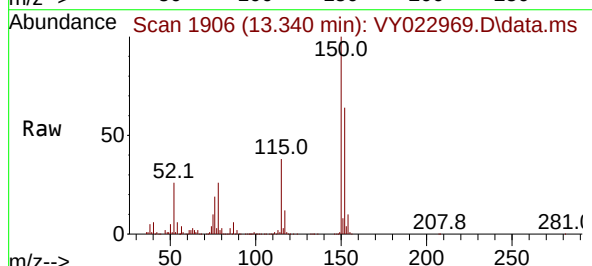
Tgt Ion:152 Resp: 250516

Ion Ratio Lower Upper

152 100

115 58.9 28.9 86.7

150 156.5 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022969.D
 Acq On : 08 Jul 2025 11:44
 Operator : SY/MD
 Sample : VY0708SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0708SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M

Title : SW846 8260

Signal : TIC: VY022969.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	50	58	59	rBV2	17991	32482	1.66%	0.305%
2	4.610	463	474	488	rBV3	38291	113605	5.81%	1.067%
3	5.641	630	643	652	rBV3	16621	55566	2.84%	0.522%
4	7.634	960	970	976	rBV	257163	618519	31.65%	5.810%
5	7.707	976	982	998	rVB	411945	961901	49.22%	9.035%
6	8.061	1029	1040	1053	rBV	222813	504543	25.82%	4.739%
7	8.616	1120	1131	1145	rBV	715162	1416643	72.48%	13.307%
8	10.103	1366	1375	1384	rBV	1151840	1954411	100.00%	18.358%
9	11.414	1581	1590	1602	rBV	1144719	1858939	95.12%	17.461%
10	11.627	1618	1625	1631	rVB3	9374	20020	1.02%	0.188%
11	12.402	1744	1752	1765	rBV	878028	1369079	70.05%	12.860%
12	13.286	1890	1897	1900	rBV3	18142	26407	1.35%	0.248%
13	13.340	1900	1906	1915	rVB	1023517	1598230	81.78%	15.012%
14	13.883	1987	1995	2002	rBV2	36239	62574	3.20%	0.588%
15	14.919	2155	2165	2170	rBV3	15067	24939	1.28%	0.234%
16	15.297	2218	2227	2229	rBV	13837	28146	1.44%	0.264%

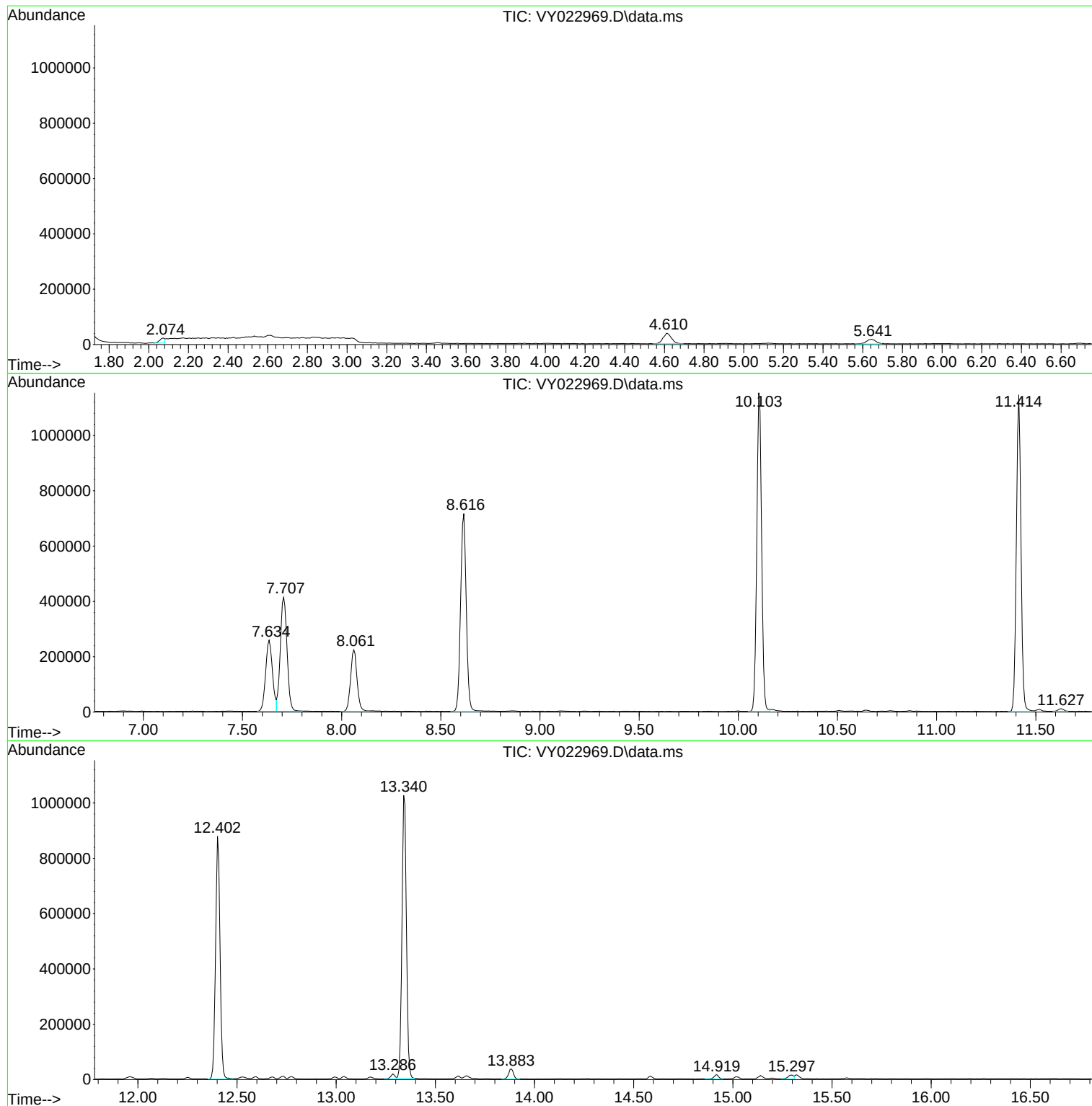
Sum of corrected areas: 10646004

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022969.D
Acq On : 08 Jul 2025 11:44
Operator : SY/MD
Sample : VY0708SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022969.D
Acq On : 08 Jul 2025 11:44
Operator : SY/MD
Sample : VY0708SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022969.D
Acq On : 08 Jul 2025 11:44
Operator : SY/MD
Sample : VY0708SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VW0709SBS01	SDG No.:	Q2480
Lab Sample ID:	VW0709SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031769.D	1	07/09/25 11:34	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	23.9		1.10	5.00	ug/Kg
74-87-3	Chloromethane	23.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	23.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.8		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	23.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	23.8		1.00	5.00	ug/Kg
67-64-1	Acetone	130		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	22.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	24.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	23.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	35.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	24.2		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	24.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	23.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	130		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	24.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	24.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	24.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	24.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	22.9		0.91	5.00	ug/Kg
71-43-2	Benzene	23.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	23.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	23.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	23.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	120		3.60	25.0	ug/Kg
108-88-3	Toluene	24.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VW0709SBS01	SDG No.:	Q2480
Lab Sample ID:	VW0709SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031769.D	1	07/09/25 11:34	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	23.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	23.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	23.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	120		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.3		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	23.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	23.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	23.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	23.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	46.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	23.7		0.82	5.00	ug/Kg
100-42-5	Styrene	23.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	23.7		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	24.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	23.4		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	24.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	24.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	23.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.7		63 - 155	117%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7		70 - 134	115%	SPK: 50
2037-26-5	Toluene-d8	58.6		74 - 123	117%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.5		17 - 146	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	7.953			
540-36-3	1,4-Difluorobenzene	349000	8.849			
3114-55-4	Chlorobenzene-d5	314000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.556			

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Lexington			Date Received:	
Client Sample ID:	VW0709SBS01			SDG No.:	Q2480
Lab Sample ID:	VW0709SBS01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031769.D	1	07/09/25 11:34	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031769.D
 Acq On : 09 Jul 2025 11:34
 Operator : SY/MD
 Sample : VW0709SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:21:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.953	168	187242	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	349121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	314319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	151914	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	157659	58.672	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 117.340%	
35) Dibromofluoromethane	7.898	113	131409	57.682	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 115.360%	
50) Toluene-d8	10.325	98	496546	58.569	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 117.140%	
62) 4-Bromofluorobenzene	12.617	95	185749	59.537	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 119.080%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	30498	23.916	ug/l	96
3) Chloromethane	2.253	50	35978	23.402	ug/l	99
4) Vinyl Chloride	2.405	62	48700	24.101	ug/l	99
5) Bromomethane	2.820	94	36692	23.248	ug/l	95
6) Chloroethane	2.972	64	31812	23.177	ug/l	97
7) Trichlorofluoromethane	3.308	101	38200	20.816	ug/l	96
8) Diethyl Ether	3.716	74	31449	22.553	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.106	101	48613	23.866	ug/l	99
10) Methyl Iodide	4.307	142	75344	23.994	ug/l	99
11) Tert butyl alcohol	5.210	59	18323	110.064	ug/l	100
12) 1,1-Dichloroethene	4.076	96	53098	23.799	ug/l	95
13) Acrolein	3.930	56	29510	98.626	ug/l	99
14) Allyl chloride	4.704	41	82449	24.085	ug/l	98
15) Acrylonitrile	5.399	53	80530	117.436	ug/l	99
16) Acetone	4.161	43	83385	125.546	ug/l	99
17) Carbon Disulfide	4.417	76	135975	22.775	ug/l	96
18) Methyl Acetate	4.704	43	43845	23.098	ug/l	97
19) Methyl tert-butyl Ether	5.454	73	92455	24.415	ug/l	99
20) Methylene Chloride	4.948	84	97436	35.217	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	57363	24.197	ug/l	94
22) Diisopropyl ether	6.338	45	165350	24.767	ug/l	98
23) Vinyl Acetate	6.283	43	549082	120.408	ug/l	100
24) 1,1-Dichloroethane	6.240	63	104474	24.137	ug/l	98
25) 2-Butanone	7.191	43	110170	127.500	ug/l	98
26) 2,2-Dichloropropane	7.185	77	60170	23.826	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	67561	24.792	ug/l	96
28) Bromochloromethane	7.533	49	46456	24.322	ug/l	97
29) Tetrahydrofuran	7.551	42	70227	118.678	ug/l	100
30) Chloroform	7.691	83	111822	24.313	ug/l	99
31) Cyclohexane	7.971	56	91035	23.793	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	87206	24.604	ug/l	98
36) 1,1-Dichloropropene	8.093	75	76173	23.106	ug/l	99
37) Ethyl Acetate	7.270	43	46884	22.545	ug/l	100
38) Carbon Tetrachloride	8.081	117	76985	22.917	ug/l	98
39) Methylcyclohexane	9.343	83	93966	22.910	ug/l	98
40) Benzene	8.337	78	232923	23.881	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031769.D
 Acq On : 09 Jul 2025 11:34
 Operator : SY/MD
 Sample : VW0709SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:21:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	26974	24.213	ug/l	98
42) 1,2-Dichloroethane	8.410	62	77120	23.401	ug/l	99
43) Isopropyl Acetate	8.435	43	81994	22.873	ug/l	100
44) Trichloroethene	9.105	130	55229	22.687	ug/l	99
45) 1,2-Dichloropropane	9.374	63	55481	23.536	ug/l	99
46) Dibromomethane	9.465	93	35952	23.624	ug/l	99
47) Bromodichloromethane	9.648	83	83273	23.334	ug/l	97
48) Methyl methacrylate	9.441	41	38856	22.044	ug/l	96
49) 1,4-Dioxane	9.459	88	5996	336.398	ug/l #	88
51) 4-Methyl-2-Pentanone	10.209	43	239822	116.368	ug/l	100
52) Toluene	10.392	92	150402	24.085	ug/l	95
53) t-1,3-Dichloropropene	10.605	75	78296	23.383	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	89225	23.506	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	47232	23.693	ug/l	95
56) Ethyl methacrylate	10.648	69	62538	23.123	ug/l	99
57) 1,3-Dichloropropane	10.934	76	82201	23.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	176870	118.765	ug/l	98
59) 2-Hexanone	10.971	43	167142	119.682	ug/l	100
60) Dibromochloromethane	11.129	129	53191	22.313	ug/l	98
61) 1,2-Dibromoethane	11.239	107	47574	23.839	ug/l	98
64) Tetrachloroethene	10.861	164	48674	23.674	ug/l	94
65) Chlorobenzene	11.654	112	164803	23.764	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	51472	23.291	ug/l	99
67) Ethyl Benzene	11.727	91	277629	23.087	ug/l	98
68) m/p-Xylenes	11.837	106	216535	46.841	ug/l	99
69) o-Xylene	12.160	106	101509	23.716	ug/l	95
70) Styrene	12.178	104	177024	23.924	ug/l	99
71) Bromoform	12.349	173	31267	23.717	ug/l #	97
73) Isopropylbenzene	12.458	105	262586	22.724	ug/l	100
74) N-amyl acetate	12.269	43	69133	22.197	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	59697	23.270	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	45869m	23.365	ug/l	
77) Bromobenzene	12.745	156	60417	23.442	ug/l	89
78) n-propylbenzene	12.800	91	330089	23.855	ug/l	99
79) 2-Chlorotoluene	12.891	91	196008	23.523	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	227770	23.813	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	17996	21.351	ug/l	95
82) 4-Chlorotoluene	12.983	91	203312	23.241	ug/l	99
83) tert-Butylbenzene	13.202	119	192492	23.494	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	226061	23.326	ug/l	99
85) sec-Butylbenzene	13.379	105	292468	23.782	ug/l	100
86) p-Isopropyltoluene	13.495	119	237925	23.475	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	124488	24.086	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	123994	23.438	ug/l	96
89) n-Butylbenzene	13.818	91	226293	22.980	ug/l	100
90) Hexachloroethane	14.086	117	42163	23.059	ug/l	97
91) 1,2-Dichlorobenzene	13.861	146	114797	24.301	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10990	21.940	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	70459	24.185	ug/l	96
94) Hexachlorobutadiene	15.220	225	33007	23.462	ug/l	89
95) Naphthalene	15.360	128	158962	22.256	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	62603	23.386	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
Data File : VW031769.D
Acq On : 09 Jul 2025 11:34
Operator : SY/MD
Sample : VW0709SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:21:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

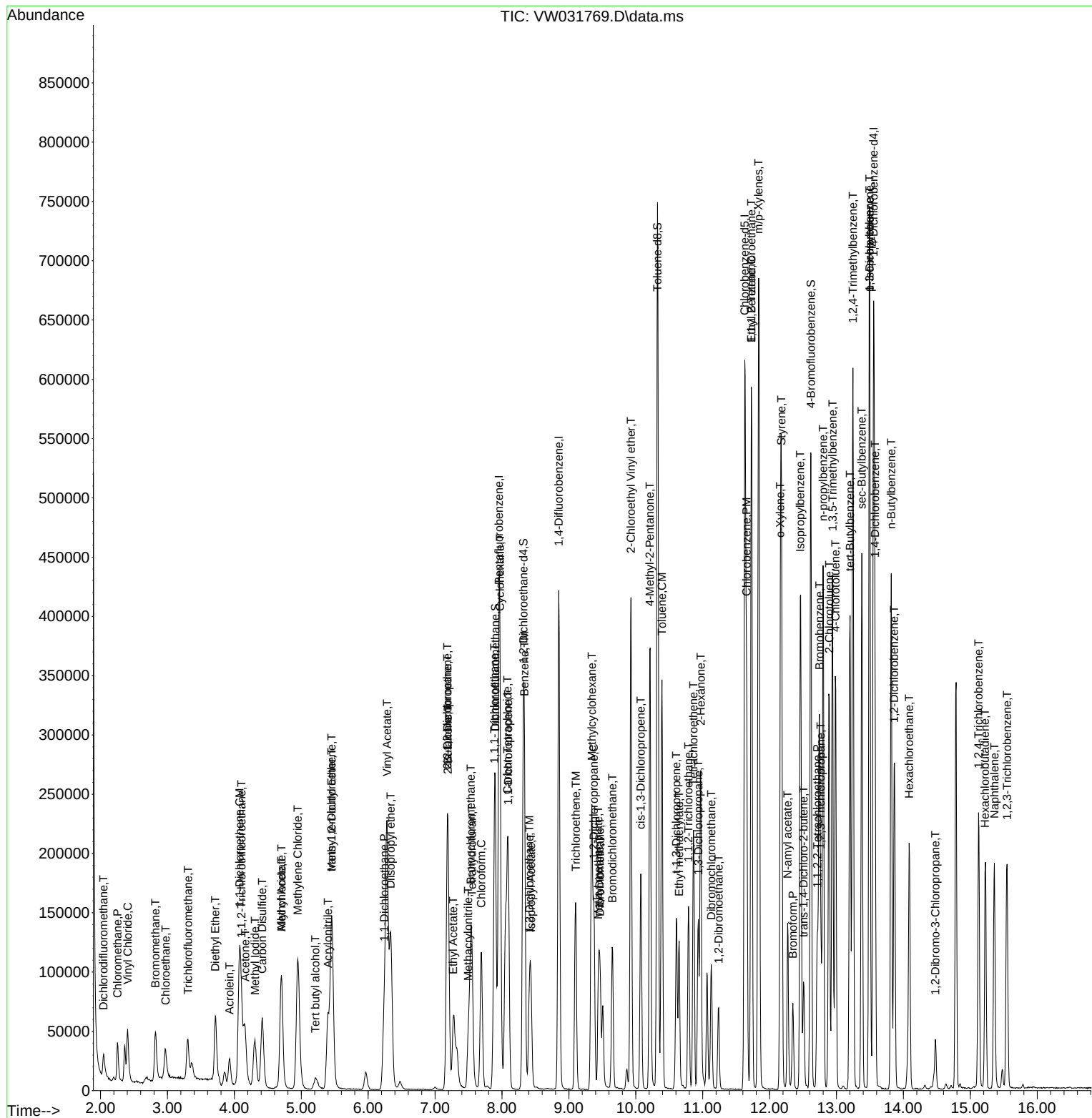
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Manual Integrations

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Lexington		Date Received:	
Client Sample ID:	VW0710SBS01		SDG No.:	Q2480
Lab Sample ID:	VW0710SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031793.D	1	07/10/25 11:05	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	18.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.6		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.7		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.4		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.9		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VW0710SBS01	SDG No.:	Q2480
Lab Sample ID:	VW0710SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031793.D	1	07/10/25 11:05	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.5		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	22.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.8		0.82	5.00	ug/Kg
100-42-5	Styrene	21.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		70 - 134	95%	SPK: 50
2037-26-5	Toluene-d8	49.3		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	7.965			
540-36-3	1,4-Difluorobenzene	412000	8.855			
3114-55-4	Chlorobenzene-d5	356000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.556			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VW0710SBS01	SDG No.:	Q2480
Lab Sample ID:	VW0710SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031793.D	1	07/10/25 11:05	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031793.D
 Acq On : 10 Jul 2025 11:05
 Operator : SY/MD
 Sample : VW0710SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0710SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 11 02:15:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	227800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	411611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	356304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	178658	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	159491	48.786	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.580%
35) Dibromofluoromethane	7.904	113	127793	47.578	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.160%
50) Toluene-d8	10.331	98	492896	49.312	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.617	95	188760	51.317	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.640%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	28672	18.481	ug/l	97
3) Chloromethane	2.259	50	36132	19.318	ug/l	100
4) Vinyl Chloride	2.405	62	49314	20.060	ug/l	99
5) Bromomethane	2.826	94	36183	18.843	ug/l	99
6) Chloroethane	2.972	64	32708	19.587	ug/l	96
7) Trichlorofluoromethane	3.308	101	40846	18.295	ug/l	96
8) Diethyl Ether	3.728	74	32965	19.431	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.112	101	47864	19.315	ug/l	99
10) Methyl Iodide	4.313	142	73757	19.306	ug/l	100
11) Tert butyl alcohol	5.222	59	18221	89.964	ug/l	98
12) 1,1-Dichloroethene	4.082	96	54927	20.236	ug/l	95
13) Acrolein	3.935	56	27559	75.707	ug/l	97
14) Allyl chloride	4.710	41	84175	20.212	ug/l	98
15) Acrylonitrile	5.405	53	78337	93.899	ug/l	99
16) Acetone	4.167	43	82057	101.550	ug/l	98
17) Carbon Disulfide	4.423	76	135639	18.674	ug/l	97
18) Methyl Acetate	4.716	43	40980	17.745	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	97453	21.153	ug/l	97
20) Methylene Chloride	4.954	84	86741	24.344	ug/l	99
21) trans-1,2-Dichloroethene	5.466	96	57914	20.080	ug/l	96
22) Diisopropyl ether	6.344	45	178983	22.036	ug/l	95
23) Vinyl Acetate	6.289	43	573681	103.404	ug/l	99
24) 1,1-Dichloroethane	6.246	63	107072	20.333	ug/l	98
25) 2-Butanone	7.203	43	113760	108.215	ug/l	93
26) 2,2-Dichloropropane	7.191	77	61808	20.117	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	68850	20.767	ug/l	98
28) Bromochloromethane	7.532	49	46935	20.197	ug/l	99
29) Tetrahydrofuran	7.557	42	70344	97.711	ug/l	98
30) Chloroform	7.697	83	118527	21.182	ug/l	99
31) Cyclohexane	7.971	56	94163	20.229	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	85287	19.778	ug/l	99
36) 1,1-Dichloropropene	8.099	75	80231	20.643	ug/l	99
37) Ethyl Acetate	7.282	43	49109	20.030	ug/l	98
38) Carbon Tetrachloride	8.087	117	77589	19.590	ug/l	93
39) Methylcyclohexane	9.343	83	98634	20.397	ug/l	97
40) Benzene	8.337	78	239525	20.830	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031793.D
 Acq On : 10 Jul 2025 11:05
 Operator : SY/MD
 Sample : VW0710SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0710SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 11 02:15:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	27114	20.644	ug/l	98
42) 1,2-Dichloroethane	8.416	62	79451	20.448	ug/l	98
43) Isopropyl Acetate	8.441	43	84356	19.959	ug/l	99
44) Trichloroethene	9.105	130	58660	20.438	ug/l	96
45) 1,2-Dichloropropane	9.380	63	58767	21.145	ug/l	98
46) Dibromomethane	9.465	93	36342	20.254	ug/l	98
47) Bromodichloromethane	9.648	83	85402	20.298	ug/l	95
48) Methyl methacrylate	9.447	41	40682	19.576	ug/l	98
49) 1,4-Dioxane	9.465	88	7968	379.166	ug/l #	95
51) 4-Methyl-2-Pentanone	10.215	43	243938	100.395	ug/l	99
52) Toluene	10.392	92	153770	20.886	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	81344	20.605	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	93385	20.867	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	48442	20.611	ug/l	98
56) Ethyl methacrylate	10.648	69	65863	20.656	ug/l	99
57) 1,3-Dichloropropane	10.934	76	85519	20.724	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	180719	102.926	ug/l	97
59) 2-Hexanone	10.971	43	184308	111.938	ug/l	98
60) Dibromochloromethane	11.129	129	54573	19.417	ug/l	95
61) 1,2-Dibromoethane	11.239	107	48122	20.452	ug/l	99
64) Tetrachloroethene	10.867	164	45363	19.464	ug/l	91
65) Chlorobenzene	11.660	112	168300	21.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	54158	21.619	ug/l	97
67) Ethyl Benzene	11.733	91	300506	22.045	ug/l	98
68) m/p-Xylenes	11.843	106	221549	42.278	ug/l	97
69) o-Xylene	12.166	106	105871	21.820	ug/l	99
70) Styrene	12.184	104	179672	21.421	ug/l	98
71) Bromoform	12.349	173	26927	18.018	ug/l #	95
73) Isopropylbenzene	12.464	105	276577	20.352	ug/l	100
74) N-amyl acetate	12.269	43	74607	20.368	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	59677	19.780	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	47147m	20.421	ug/l	
77) Bromobenzene	12.745	156	62484	20.615	ug/l	89
78) n-propylbenzene	12.800	91	341885	21.009	ug/l	99
79) 2-Chlorotoluene	12.891	91	200599	20.471	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	239593	21.299	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	17858	18.016	ug/l	91
82) 4-Chlorotoluene	12.989	91	215000	20.898	ug/l	99
83) tert-Butylbenzene	13.202	119	193236	20.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	239532	21.016	ug/l	99
85) sec-Butylbenzene	13.379	105	297918	20.599	ug/l	99
86) p-Isopropyltoluene	13.495	119	243955	20.467	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	120827	19.878	ug/l	98
88) 1,4-Dichlorobenzene	13.580	146	118668	19.074	ug/l	92
89) n-Butylbenzene	13.818	91	243206	21.000	ug/l	98
90) Hexachloroethane	14.092	117	40832	18.988	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	111078	19.994	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	10704	18.170	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	66450	19.394	ug/l	98
94) Hexachlorobutadiene	15.226	225	31136	18.819	ug/l	92
95) Naphthalene	15.360	128	159288	18.963	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	58180	18.480	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031793.D
Acq On : 10 Jul 2025 11:05
Operator : SY/MD
Sample : VW0710SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 11 02:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

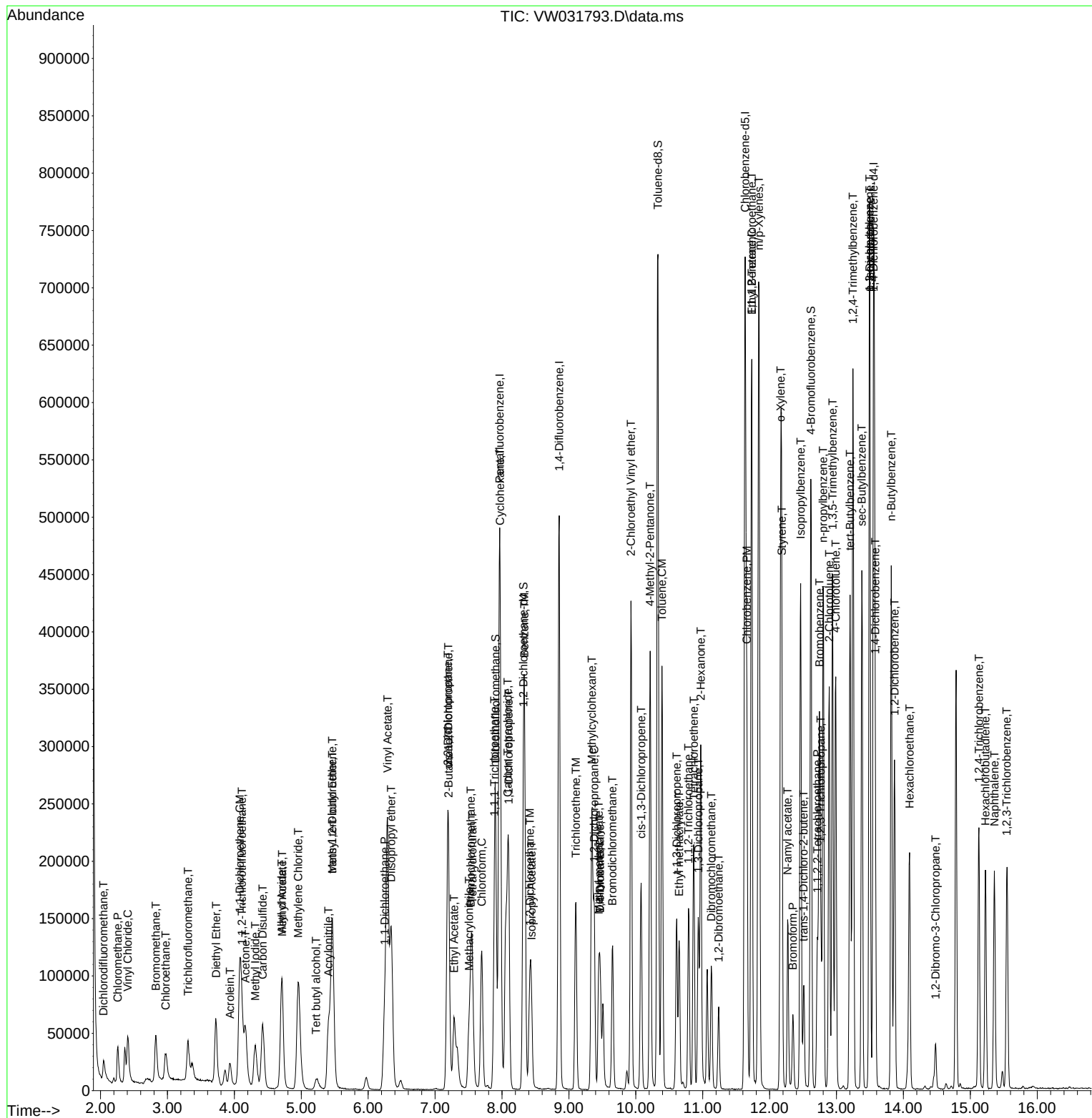
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Data File : VW031793.D
Acq On : 10 Jul 2025 11:05
Operator : SY/MD
Sample : VW0710SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 11 02:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Lexington		Date Received:	
Client Sample ID:	VX0710MBS01		SDG No.:	Q2480
Lab Sample ID:	VX0710MBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046953.D	1	07/10/25 18:16	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1700		110	500	ug/Kg
74-87-3	Chloromethane	1700		110	500	ug/Kg
75-01-4	Vinyl Chloride	1700		79.0	500	ug/Kg
74-83-9	Bromomethane	1100		110	500	ug/Kg
75-00-3	Chloroethane	2200		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1800		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1800		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1800		100	500	ug/Kg
67-64-1	Acetone	9600		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1700		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2100		73.0	500	ug/Kg
79-20-9	Methyl Acetate	2400		150	500	ug/Kg
75-09-2	Methylene Chloride	1900		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1900		80.0	500	ug/Kg
110-82-7	Cyclohexane	1900		79.0	500	ug/Kg
78-93-3	2-Butanone	11200		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1800		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1900		75.0	500	ug/Kg
74-97-5	Bromochloromethane	2200		120	500	ug/Kg
67-66-3	Chloroform	1900		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1900		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1700		91.0	500	ug/Kg
71-43-2	Benzene	1900		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1900		79.0	500	ug/Kg
79-01-6	Trichloroethene	1800		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1900		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11100		360	2500	ug/Kg
108-88-3	Toluene	1900		78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VX0710MBS01	SDG No.:	Q2480
Lab Sample ID:	VX0710MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046953.D	1	07/10/25 18:16	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1800		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1800		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	1900		92.0	500	ug/Kg
591-78-6	2-Hexanone	11300		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1900		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2000		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1800		110	500	ug/Kg
108-90-7	Chlorobenzene	1900		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1800		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3800		120	1000	ug/Kg
95-47-6	o-Xylene	1900		82.0	500	ug/Kg
100-42-5	Styrene	1900		71.0	500	ug/Kg
75-25-2	Bromoform	1900		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1900		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1900		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2000		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1800		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		17 - 146	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	335000	5.562			
540-36-3	1,4-Difluorobenzene	562000	6.769			
3114-55-4	Chlorobenzene-d5	507000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	263000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VX0710MBS01	SDG No.:	Q2480
Lab Sample ID:	VX0710MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046953.D	1	07/10/25 18:16	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046953.D
 Acq On : 10 Jul 2025 18:16
 Operator : JC/MD
 Sample : VX0710MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2025
 Supervised By : Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:35:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	334978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	561587	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	507345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	262771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	232199	52.470	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.940%			
35) Dibromofluoromethane	5.397	113	196044	51.427	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.860%			
50) Toluene-d8	8.647	98	674102	50.120	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.240%			
62) 4-Bromofluorobenzene	11.079	95	271347	53.084	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	54179	16.912	ug/l	99
3) Chloromethane	1.307	50	57993	16.569	ug/l	97
4) Vinyl Chloride	1.386	62	65262	17.122	ug/l	97
5) Bromomethane	1.624	94	26370	10.767	ug/l	96
6) Chloroethane	1.703	64	54169m	21.522	ug/l	
7) Trichlorofluoromethane	1.904	101	105619	17.921	ug/l	100
8) Diethyl Ether	2.148	74	38821	18.510	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	68251	18.174	ug/l	100
10) Methyl Iodide	2.471	142	47487	11.607	ug/l	97
11) Tert butyl alcohol	2.953	59	35010	120.625	ug/l	99
12) 1,1-Dichloroethene	2.337	96	64167	17.665	ug/l	98
13) Acrolein	2.245	56	13159	43.399	ug/l	100
14) Allyl chloride	2.678	41	117922	18.234	ug/l	99
15) Acrylonitrile	3.075	53	171704	102.323	ug/l	99
16) Acetone	2.386	43	131825	95.899	ug/l	100
17) Carbon Disulfide	2.532	76	163300	17.143	ug/l	99
18) Methyl Acetate	2.715	43	87300	24.095	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	212374	20.704	ug/l	97
20) Methylene Chloride	2.800	84	76799	18.894	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	66673	17.938	ug/l	95
22) Diisopropyl ether	3.770	45	253043	20.253	ug/l	93
23) Vinyl Acetate	3.733	43	943534	100.803	ug/l	100
24) 1,1-Dichloroethane	3.629	63	135495	19.016	ug/l	99
25) 2-Butanone	4.568	43	205157	111.864	ug/l	97
26) 2,2-Dichloropropane	4.489	77	87680	16.534	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	85161	18.766	ug/l	99
28) Bromochloromethane	4.916	49	76698	21.810	ug/l	99
29) Tetrahydrofuran	5.013	42	129738	110.972	ug/l	99
30) Chloroform	5.105	83	140249	19.266	ug/l	98
31) Cyclohexane	5.483	56	118031	18.659	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	114216	18.780	ug/l	98
36) 1,1-Dichloropropene	5.702	75	91829	17.854	ug/l	98
37) Ethyl Acetate	4.733	43	81066	18.505	ug/l	99
38) Carbon Tetrachloride	5.690	117	98074	18.036	ug/l	99
39) Methylcyclohexane	7.385	83	108440	16.855	ug/l	92
40) Benzene	6.050	78	288051	18.516	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046953.D
 Acq On : 10 Jul 2025 18:16
 Operator : JC/MD
 Sample : VX0710MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/11/2025
 Supervised By :Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:35:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	51391	21.992	ug/l	98
42) 1,2-Dichloroethane	6.092	62	100813	19.084	ug/l	99
43) Isopropyl Acetate	6.348	43	141108	21.030	ug/l	99
44) Trichloroethene	7.129	130	72255	17.843	ug/l	100
45) 1,2-Dichloropropane	7.433	63	73000	18.573	ug/l	98
46) Dibromomethane	7.586	93	50552	18.563	ug/l	98
47) Bromodichloromethane	7.824	83	110667	19.032	ug/l	100
48) Methyl methacrylate	7.696	41	71966	20.772	ug/l	98
49) 1,4-Dioxane	7.659	88	19176	477.679	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	439602	111.012	ug/l	99
52) Toluene	8.720	92	180698	18.744	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	93318	17.982	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	108686	18.349	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	69967	19.486	ug/l	98
56) Ethyl methacrylate	9.116	69	101894	20.503	ug/l	98
57) 1,3-Dichloropropane	9.311	76	121110	19.588	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	286814	102.426	ug/l	99
59) 2-Hexanone	9.427	43	296793	112.994	ug/l	99
60) Dibromochloromethane	9.518	129	82981	19.311	ug/l	100
61) 1,2-Dibromoethane	9.610	107	70537	19.560	ug/l	99
64) Tetrachloroethene	9.275	164	61358	18.164	ug/l	96
65) Chlorobenzene	10.079	112	206334	18.811	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	70082	19.006	ug/l	100
67) Ethyl Benzene	10.195	91	346968	18.471	ug/l	100
68) m/p-Xylenes	10.299	106	266991	37.719	ug/l	99
69) o-Xylene	10.640	106	128163	18.744	ug/l	99
70) Styrene	10.652	104	222425	19.014	ug/l	98
71) Bromoform	10.799	173	53135	19.380	ug/l #	99
73) Isopropylbenzene	10.963	105	348297	18.855	ug/l	99
74) N-amyl acetate	10.841	43	129324	20.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	102286	20.138	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	79898m	19.678	ug/l	
77) Bromobenzene	11.195	156	83586	18.166	ug/l	97
78) n-propylbenzene	11.305	91	405899	18.223	ug/l	100
79) 2-Chlorotoluene	11.360	91	242910	18.470	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	281421	18.750	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24286	16.051	ug/l	96
82) 4-Chlorotoluene	11.451	91	287878	18.968	ug/l	100
83) tert-Butylbenzene	11.713	119	289473	18.673	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	286255	18.869	ug/l	95
85) sec-Butylbenzene	11.890	105	352912	18.056	ug/l	100
86) p-Isopropyltoluene	12.006	119	296748	18.130	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	161017	18.712	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	162180	18.109	ug/l	99
89) n-Butylbenzene	12.329	91	270585	17.594	ug/l	99
90) Hexachloroethane	12.536	117	47072	16.223	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	156080	18.717	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18059	20.328	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	97168	17.152	ug/l	97
94) Hexachlorobutadiene	13.725	225	33553	15.705	ug/l	99
95) Naphthalene	13.774	128	292160	19.571	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	95854	17.908	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046953.D
Acq On : 10 Jul 2025 18:16
Operator : JC/MD
Sample : VX0710MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/11/2025
Supervised By :Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:35:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

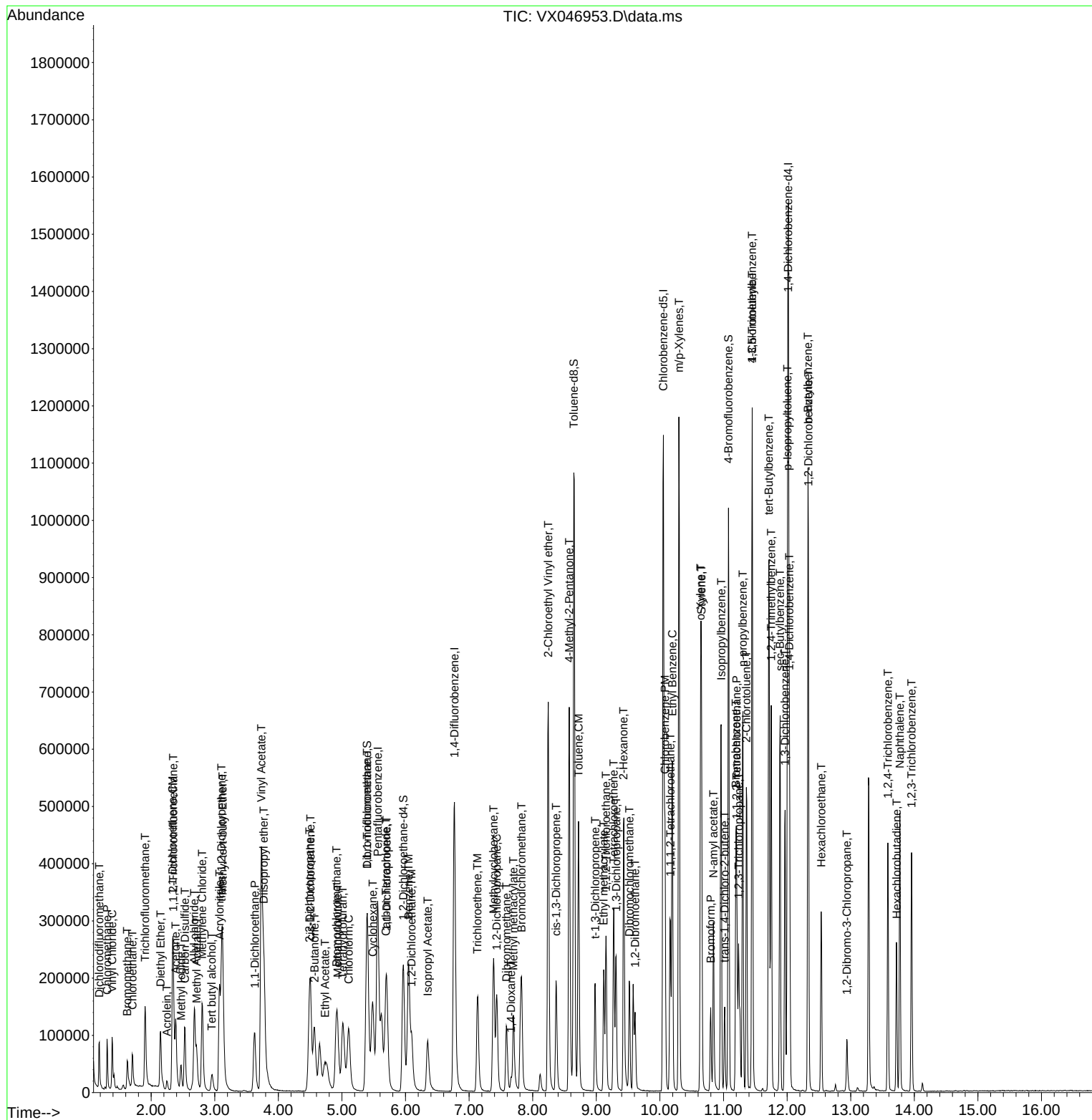
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
Data File : VX046953.D
Acq On : 10 Jul 2025 18:16
Operator : JC/MD
Sample : VX0710MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBS01

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/11/2025
Supervised By : Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:35:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VX0714MBS01	SDG No.:	Q2480
Lab Sample ID:	VX0714MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046964.D	1	07/14/25 11:39	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800		110	500	ug/Kg
74-87-3	Chloromethane	1700		110	500	ug/Kg
75-01-4	Vinyl Chloride	1800		79.0	500	ug/Kg
74-83-9	Bromomethane	1800		110	500	ug/Kg
75-00-3	Chloroethane	1900		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1900		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2000		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1900		100	500	ug/Kg
67-64-1	Acetone	11300		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1600		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2300		73.0	500	ug/Kg
79-20-9	Methyl Acetate	2900		150	500	ug/Kg
75-09-2	Methylene Chloride	2000		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1900		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	2000		80.0	500	ug/Kg
110-82-7	Cyclohexane	1900		79.0	500	ug/Kg
78-93-3	2-Butanone	13500		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2000		75.0	500	ug/Kg
74-97-5	Bromochloromethane	2100		120	500	ug/Kg
67-66-3	Chloroform	2100		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	2100		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1900		91.0	500	ug/Kg
71-43-2	Benzene	2000		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	2100		79.0	500	ug/Kg
79-01-6	Trichloroethene	1900		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	2000		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	2100		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13600		360	2500	ug/Kg
108-88-3	Toluene	2000		78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Lexington		Date Received:	
Client Sample ID:	VX0714MBS01		SDG No.:	Q2480
Lab Sample ID:	VX0714MBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046964.D	1	07/14/25 11:39	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2200		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2100		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2200		92.0	500	ug/Kg
591-78-6	2-Hexanone	14100		370	2500	ug/Kg
124-48-1	Dibromochloromethane	2100		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2200		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1900		110	500	ug/Kg
108-90-7	Chlorobenzene	2000		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	2000		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	4000		120	1000	ug/Kg
95-47-6	o-Xylene	2000		82.0	500	ug/Kg
100-42-5	Styrene	2100		71.0	500	ug/Kg
75-25-2	Bromoform	2100		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	2100		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2300		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2600		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2000		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2000		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	51.0		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		17 - 146	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	309000	5.562			
540-36-3	1,4-Difluorobenzene	505000	6.769			
3114-55-4	Chlorobenzene-d5	459000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	232000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VX0714MBS01	SDG No.:	Q2480
Lab Sample ID:	VX0714MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046964.D	1	07/14/25 11:39	VX071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046964.D
 Acq On : 14 Jul 2025 11:39
 Operator : JC/MD
 Sample : VX0714MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0714MBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
 Supervised By :Semsettin Yesilyurt 07/15/2025

Quant Time: Jul 15 01:15:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	309393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	505368	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	459018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	219792	53.773	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.540%			
35) Dibromofluoromethane	5.397	113	182042	53.067	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.140%			
50) Toluene-d8	8.653	98	617572	51.025	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.040%			
62) 4-Bromofluorobenzene	11.079	95	247407	53.784	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	52904	17.880	ug/l	98
3) Chloromethane	1.307	50	53552	16.565	ug/l	98
4) Vinyl Chloride	1.386	62	64273	18.257	ug/l	98
5) Bromomethane	1.624	94	41410	18.307	ug/l	96
6) Chloroethane	1.703	64	44274	19.046	ug/l	100
7) Trichlorofluoromethane	1.904	101	102934	18.910	ug/l	96
8) Diethyl Ether	2.148	74	39339	20.308	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	67961	19.593	ug/l	98
10) Methyl Iodide	2.471	142	49592	13.123	ug/l	97
11) Tert butyl alcohol	2.959	59	44196	164.866	ug/l	99
12) 1,1-Dichloroethene	2.337	96	63788	19.013	ug/l	94
13) Acrolein	2.252	56	24535	84.722	ug/l	100
14) Allyl chloride	2.678	41	119999	20.090	ug/l	99
15) Acrylonitrile	3.075	53	186856	120.561	ug/l	100
16) Acetone	2.386	43	143314	112.879	ug/l	97
17) Carbon Disulfide	2.526	76	143585	16.320	ug/l	100
18) Methyl Acetate	2.715	43	98466	29.424	ug/l	98
19) Methyl tert-butyl Ether	3.129	73	218604	23.074	ug/l	97
20) Methylene Chloride	2.806	84	73890	19.681	ug/l	95
21) trans-1,2-Dichloroethene	3.105	96	65127	18.971	ug/l	99
22) Diisopropyl ether	3.776	45	250741	21.729	ug/l	95
23) Vinyl Acetate	3.733	43	959121	110.941	ug/l	100
24) 1,1-Dichloroethane	3.629	63	132990	20.207	ug/l	99
25) 2-Butanone	4.562	43	229218	135.318	ug/l	98
26) 2,2-Dichloropropane	4.489	77	99334	20.281	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	83826	19.999	ug/l	98
28) Bromochloromethane	4.916	49	67969	20.926	ug/l	99
29) Tetrahydrofuran	5.013	42	141462	131.007	ug/l	99
30) Chloroform	5.105	83	139011	20.675	ug/l	93
31) Cyclohexane	5.489	56	110275	18.874	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	116434	20.728	ug/l	99
36) 1,1-Dichloropropene	5.702	75	87300	18.862	ug/l	98
37) Ethyl Acetate	4.727	43	90567	22.974	ug/l	99
38) Carbon Tetrachloride	5.690	117	98502	20.130	ug/l	100
39) Methylcyclohexane	7.385	83	108034	18.660	ug/l	98
40) Benzene	6.050	78	279759	19.984	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046964.D
 Acq On : 14 Jul 2025 11:39
 Operator : JC/MD
 Sample : VX0714MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0714MBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
 Supervised By :Semsettin Yesilyurt 07/15/2025

Quant Time: Jul 15 01:15:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	52777	25.097	ug/l	98
42) 1,2-Dichloroethane	6.092	62	101992	21.455	ug/l	98
43) Isopropyl Acetate	6.348	43	151536	25.097	ug/l	100
44) Trichloroethene	7.129	130	68614	18.828	ug/l	83
45) 1,2-Dichloropropane	7.434	63	72475	20.491	ug/l	98
46) Dibromomethane	7.586	93	51263	20.918	ug/l	98
47) Bromodichloromethane	7.824	83	110223	21.064	ug/l	99
48) Methyl methacrylate	7.696	41	75792	24.310	ug/l	97
49) 1,4-Dioxane	7.671	88	20198	559.109	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	484935	136.083	ug/l	99
52) Toluene	8.720	92	174555	20.121	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	101181	21.666	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	111702	20.956	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	69973	21.655	ug/l	98
56) Ethyl methacrylate	9.116	69	107308	23.994	ug/l	100
57) 1,3-Dichloropropane	9.311	76	120500	21.657	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	276763	109.831	ug/l	99
59) 2-Hexanone	9.433	43	334106	141.350	ug/l	98
60) Dibromochloromethane	9.518	129	82423	21.315	ug/l	100
61) 1,2-Dibromoethane	9.610	107	70901	21.848	ug/l	99
64) Tetrachloroethene	9.275	164	57848	18.928	ug/l	98
65) Chlorobenzene	10.079	112	197236	19.874	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	69127	20.721	ug/l	100
67) Ethyl Benzene	10.195	91	340821	20.054	ug/l	98
68) m/p-Xylenes	10.299	106	257857	40.264	ug/l	100
69) o-Xylene	10.640	106	123760	20.006	ug/l	98
70) Styrene	10.652	104	219480	20.737	ug/l	99
71) Bromoform	10.799	173	52708	21.248	ug/l	97
73) Isopropylbenzene	10.963	105	336379	20.645	ug/l	98
74) N-amyl acetate	10.841	43	136795	24.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	104811	23.394	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	81975m	22.890	ug/l	
77) Bromobenzene	11.195	156	82048	20.217	ug/l	98
78) n-propylbenzene	11.305	91	392430	19.975	ug/l	99
79) 2-Chlorotoluene	11.366	91	235145	20.270	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	277102	20.931	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	29231	21.903	ug/l	95
82) 4-Chlorotoluene	11.451	91	280425	20.948	ug/l	99
83) tert-Butylbenzene	11.713	119	282161	20.636	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	279933	20.920	ug/l	99
85) sec-Butylbenzene	11.890	105	355079	20.596	ug/l	100
86) p-Isopropyltoluene	12.006	119	296166	20.514	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	153939	20.282	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	156569	19.821	ug/l	98
89) n-Butylbenzene	12.329	91	273441	20.158	ug/l	99
90) Hexachloroethane	12.536	117	50198	19.614	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	148816	20.233	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20307	25.915	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	100560	20.125	ug/l	99
94) Hexachlorobutadiene	13.719	225	36644	19.446	ug/l	98
95) Naphthalene	13.774	128	305276	23.185	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	96552	20.450	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046964.D
Acq On : 14 Jul 2025 11:39
Operator : JC/MD
Sample : VX0714MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0714MBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025

Quant Time: Jul 15 01:15:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

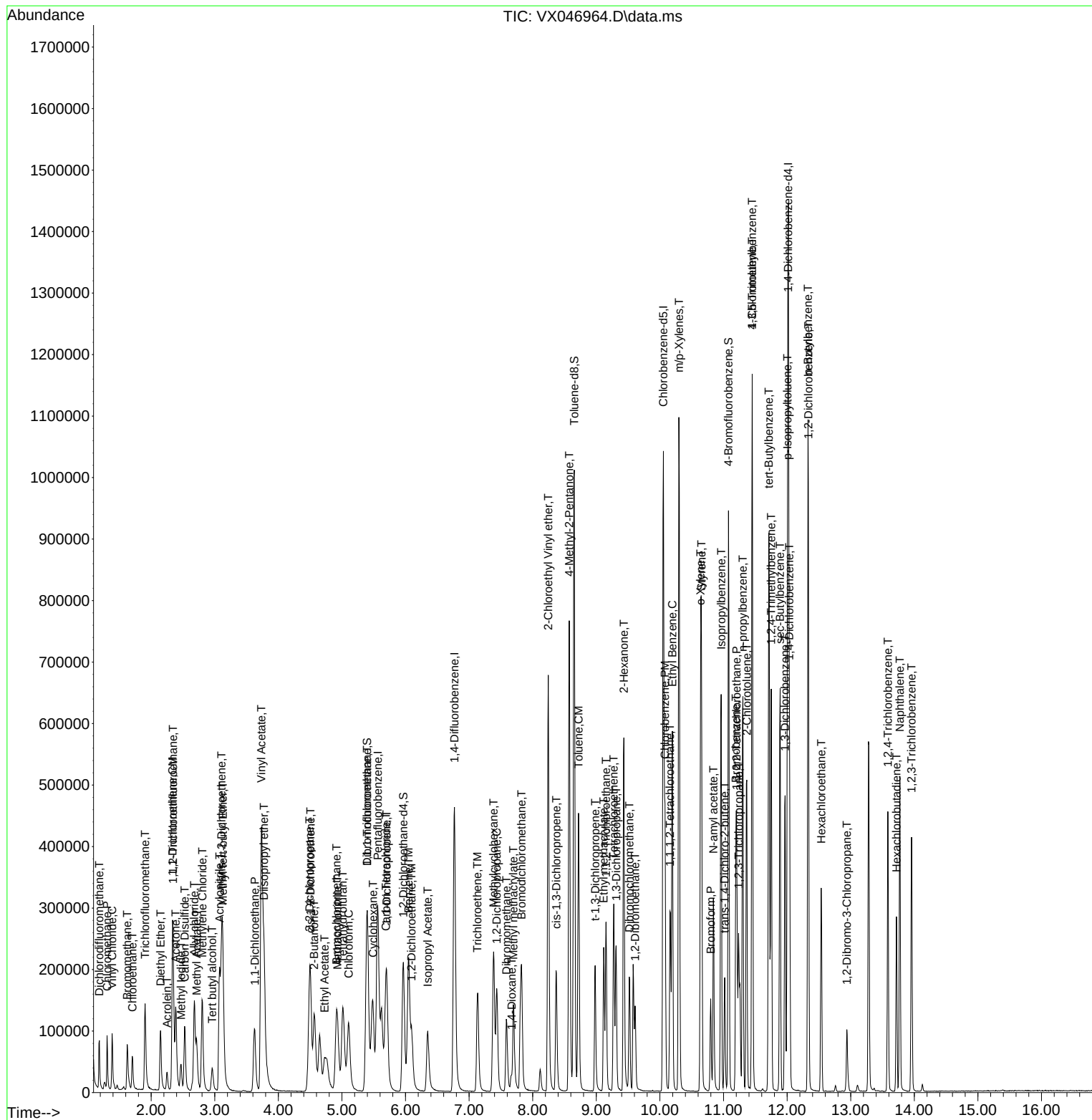
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046964.D
Acq On : 14 Jul 2025 11:39
Operator : JC/MD
Sample : VX0714MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0714MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/15/2025
Supervised By :Semsettin Yesilyurt 07/15/2025

Quant Time: Jul 15 01:15:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VY0707SBS01	SDG No.:	Q2480
Lab Sample ID:	VY0707SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022948.D	1	07/07/25 10:17	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	18.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	16.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	28.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.7		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	87.9		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Lexington		Date Received:	
Client Sample ID:	VY0707SBS01		SDG No.:	Q2480
Lab Sample ID:	VY0707SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022948.D	1	07/07/25 10:17	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	97.0		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.3		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.3		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	16.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	50.4		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	439000	7.707			
540-36-3	1,4-Difluorobenzene	730000	8.609			
3114-55-4	Chlorobenzene-d5	613000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	286000	13.346			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VY0707SBS01	SDG No.:	Q2480
Lab Sample ID:	VY0707SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022948.D	1	07/07/25 10:17	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022948.D
 Acq On : 07 Jul 2025 10:17
 Operator : SY/MD
 Sample : VY0707SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
 Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:42:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	438661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	730129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	612594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	286401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	229601	46.897	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.800%		
35) Dibromofluoromethane	7.634	113	219826	49.507	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.020%		
50) Toluene-d8	10.103	98	887929	50.394	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.780%		
62) 4-Bromofluorobenzene	12.401	95	266395	47.032	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	76291	20.339	ug/l	96
3) Chloromethane	2.068	50	136859	19.107	ug/l	99
4) Vinyl Chloride	2.202	62	168346	18.813	ug/l	100
5) Bromomethane	2.592	94	132582	18.846	ug/l	97
6) Chloroethane	2.732	64	114293	19.001	ug/l	97
7) Trichlorofluoromethane	3.056	101	189157	19.090	ug/l	100
8) Diethyl Ether	3.452	74	48932	19.995	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	96371	21.283	ug/l	97
10) Methyl Iodide	4.000	142	97940	19.866	ug/l	99
11) Tert butyl alcohol	4.872	59	25549	78.481	ug/l	99
12) 1,1-Dichloroethene	3.787	96	92533	20.840	ug/l	98
13) Acrolein	3.653	56	26290	59.555	ug/l	98
14) Allyl chloride	4.378	41	144251	21.122	ug/l	93
15) Acrylonitrile	5.061	53	95727	93.752	ug/l	98
16) Acetone	3.866	43	125926	136.083	ug/l	99
17) Carbon Disulfide	4.104	76	296213	20.651	ug/l	98
18) Methyl Acetate	4.385	43	50901	16.610	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	222490	18.403	ug/l	96
20) Methylene Chloride	4.610	84	165999	28.405	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	104766	20.645	ug/l	95
22) Diisopropyl ether	6.018	45	315738	20.818	ug/l	96
23) Vinyl Acetate	5.957	43	815265	97.329	ug/l	100
24) 1,1-Dichloroethane	5.909	63	194723	21.255	ug/l	99
25) 2-Butanone	6.896	43	142744	105.988	ug/l	97
26) 2,2-Dichloropropane	6.884	77	167826	21.854	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	118058	20.021	ug/l	98
28) Bromochloromethane	7.244	49	77658	20.163	ug/l	94
29) Tetrahydrofuran	7.262	42	76693	90.182	ug/l	96
30) Chloroform	7.421	83	193425	20.499	ug/l	92
31) Cyclohexane	7.701	56	176879	21.034	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	170941	20.964	ug/l	100
36) 1,1-Dichloropropene	7.835	75	141162	20.974	ug/l	100
37) Ethyl Acetate	6.982	43	53600	18.455	ug/l	98
38) Carbon Tetrachloride	7.817	117	150738	21.226	ug/l	97
39) Methylcyclohexane	9.109	83	180217	20.691	ug/l	98
40) Benzene	8.079	78	428546	20.710	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022948.D
 Acq On : 07 Jul 2025 10:17
 Operator : SY/MD
 Sample : VY0707SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
 Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:42:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	31864	17.822	ug/l	94
42) 1,2-Dichloroethane	8.158	62	110484	19.484	ug/l	99
43) Isopropyl Acetate	8.195	43	107707	17.843	ug/l	98
44) Trichloroethene	8.865	130	111170	21.398	ug/l	94
45) 1,2-Dichloropropane	9.140	63	100967	20.848	ug/l	98
46) Dibromomethane	9.231	93	52288	19.019	ug/l	96
47) Bromodichloromethane	9.420	83	144164	20.335	ug/l	98
48) Methyl methacrylate	9.219	41	52431	18.068	ug/l	91
49) 1,4-Dioxane	9.231	88	11448	352.448	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	269544	87.873	ug/l	97
52) Toluene	10.170	92	268161	20.541	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	123379	19.343	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	148236	20.043	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	68663	19.287	ug/l	96
56) Ethyl methacrylate	10.438	69	80850	16.880	ug/l	95
57) 1,3-Dichloropropane	10.713	76	119083	19.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	211650	94.467	ug/l	99
59) 2-Hexanone	10.761	43	202197	96.955	ug/l	99
60) Dibromochloromethane	10.908	129	88862	19.325	ug/l	99
61) 1,2-Dibromoethane	11.011	107	61866	18.571	ug/l	97
64) Tetrachloroethene	10.646	164	129132	22.313	ug/l	97
65) Chlorobenzene	11.438	112	278486	20.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	92449	20.278	ug/l	98
67) Ethyl Benzene	11.517	91	488947	20.674	ug/l	99
68) m/p-Xylenes	11.627	106	378381	41.388	ug/l	100
69) o-Xylene	11.950	106	174593	20.268	ug/l	100
70) Styrene	11.969	104	285850	19.810	ug/l	99
71) Bromoform	12.133	173	46387	18.273	ug/l #	98
73) Isopropylbenzene	12.255	105	454471	21.456	ug/l	99
74) N-amyl acetate	12.072	43	84963	17.870	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	62566	18.328	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61527m	21.043	ug/l	
77) Bromobenzene	12.529	156	99192	20.661	ug/l	99
78) n-propylbenzene	12.590	91	563095	22.019	ug/l	100
79) 2-Chlorotoluene	12.676	91	314450	21.763	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	363308	21.247	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	22687	19.603	ug/l	97
82) 4-Chlorotoluene	12.773	91	315835	20.811	ug/l	100
83) tert-Butylbenzene	12.993	119	325048	21.555	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	362921	21.200	ug/l	100
85) sec-Butylbenzene	13.176	105	489226	21.562	ug/l	99
86) p-Isopropyltoluene	13.285	119	399082	21.137	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	199343	20.674	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	196099	20.474	ug/l	99
89) n-Butylbenzene	13.615	91	373963	21.056	ug/l	100
90) Hexachloroethane	13.877	117	81916	21.783	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	170602	20.077	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9741	16.827	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	88322	18.410	ug/l	99
94) Hexachlorobutadiene	15.023	225	53676	19.785	ug/l	99
95) Naphthalene	15.139	128	137408	15.838	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	73428	17.712	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022948.D
Acq On : 07 Jul 2025 10:17
Operator : SY/MD
Sample : VY0707SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:42:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

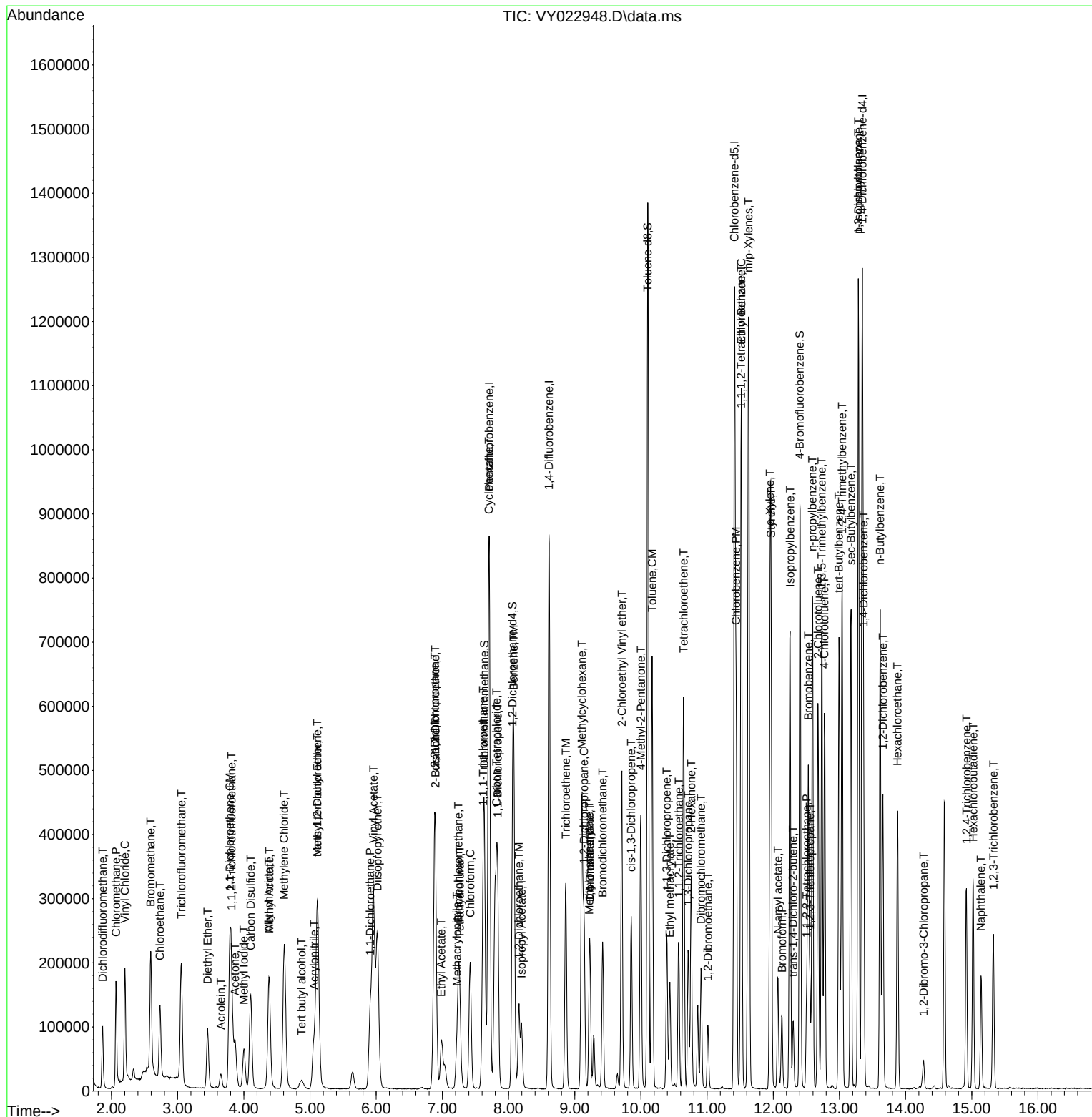
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022948.D
Acq On : 07 Jul 2025 10:17
Operator : SY/MD
Sample : VY0707SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBS01

Manual Integrations

Reviewed By :Mahesh Dadoda 07/08/2025
Supervised By :Semsettin Yesilyurt 07/08/2025

Quant Time: Jul 08 01:42:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VY0708SBS01	SDG No.:	Q2480
Lab Sample ID:	VY0708SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022970.D	1	07/08/25 12:12	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.9		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.0		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	22.3		1.00	5.00	ug/Kg
67-64-1	Acetone	160		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.7		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	29.8		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	22.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	23.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	22.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	130		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.1		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	22.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	22.3		0.91	5.00	ug/Kg
71-43-2	Benzene	22.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.2		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	23.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	22.2		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VY0708SBS01	SDG No.:	Q2480
Lab Sample ID:	VY0708SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022970.D	1	07/08/25 12:12	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	120		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.3		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	23.1		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	22.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	22.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	44.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.8		0.82	5.00	ug/Kg
100-42-5	Styrene	21.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	23.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.2		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	22.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	22.4		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		70 - 134	108%	SPK: 50
2037-26-5	Toluene-d8	53.5		74 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	371000	7.707			
540-36-3	1,4-Difluorobenzene	616000	8.616			
3114-55-4	Chlorobenzene-d5	525000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	247000	13.34			

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Lexington			Date Received:	
Client Sample ID:	VY0708SBS01			SDG No.:	Q2480
Lab Sample ID:	VY0708SBS01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022970.D	1	07/08/25 12:12	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022970.D
 Acq On : 08 Jul 2025 12:12
 Operator : SY/MD
 Sample : VY0708SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0708SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
 Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:29:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	371442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	616012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	246530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	215523	51.988	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.980%			
35) Dibromofluoromethane	7.634	113	202152	53.961	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.920%			
50) Toluene-d8	10.103	98	795238	53.494	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.402	95	246219	51.522	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	69266	21.808	ug/l	98
3) Chloromethane	2.068	50	137408	22.656	ug/l	99
4) Vinyl Chloride	2.202	62	159081	20.994	ug/l	100
5) Bromomethane	2.592	94	137404	23.066	ug/l	100
6) Chloroethane	2.733	64	111540	21.899	ug/l	95
7) Trichlorofluoromethane	3.050	101	176428	21.028	ug/l	98
8) Diethyl Ether	3.452	74	45489	21.951	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	87558	22.836	ug/l	97
10) Methyl Iodide	4.001	142	81368	19.491	ug/l	98
11) Tert butyl alcohol	4.872	59	25464	92.376	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	83855	22.304	ug/l	90
13) Acrolein	3.653	56	24176	64.677	ug/l	99
14) Allyl chloride	4.385	41	131666	22.768	ug/l	94
15) Acrylonitrile	5.055	53	92758	107.284	ug/l	99
16) Acetone	3.867	43	124965	159.483	ug/l	91
17) Carbon Disulfide	4.104	76	265424	21.853	ug/l	98
18) Methyl Acetate	4.385	43	46704	17.998	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	211738	20.683	ug/l	93
20) Methylene Chloride	4.610	84	147238	29.755	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	95112	22.135	ug/l	98
22) Diisopropyl ether	6.012	45	294813	22.956	ug/l	98
23) Vinyl Acetate	5.958	43	790778	111.490	ug/l	100
24) 1,1-Dichloroethane	5.909	63	179360	23.121	ug/l	98
25) 2-Butanone	6.896	43	145215	127.335	ug/l	97
26) 2,2-Dichloropropane	6.878	77	151569	23.309	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	110203	22.071	ug/l	98
28) Bromochloromethane	7.244	49	73514	22.542	ug/l	98
29) Tetrahydrofuran	7.262	42	73665	102.297	ug/l	98
30) Chloroform	7.421	83	181362	22.699	ug/l	94
31) Cyclohexane	7.701	56	161337	22.657	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	156309	22.639	ug/l	99
36) 1,1-Dichloropropene	7.835	75	129051	22.726	ug/l	100
37) Ethyl Acetate	6.988	43	53352	21.773	ug/l	98
38) Carbon Tetrachloride	7.817	117	133570	22.293	ug/l	96
39) Methylcyclohexane	9.109	83	163944	22.310	ug/l	100
40) Benzene	8.079	78	398940	22.851	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022970.D
 Acq On : 08 Jul 2025 12:12
 Operator : SY/MD
 Sample : VY0708SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0708SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
 Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:29:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	32084m	21.269	ug/l	
42) 1,2-Dichloroethane	8.158	62	106349	22.229	ug/l	100
43) Isopropyl Acetate	8.195	43	105521	20.720	ug/l	99
44) Trichloroethene	8.866	130	99602	22.723	ug/l	98
45) 1,2-Dichloropropane	9.140	63	95098	23.274	ug/l	99
46) Dibromomethane	9.231	93	50525	21.782	ug/l	98
47) Bromodichloromethane	9.420	83	134480	22.483	ug/l	100
48) Methyl methacrylate	9.219	41	50107	20.466	ug/l	95
49) 1,4-Dioxane	9.225	88	11005	401.574	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	271317	104.836	ug/l	98
52) Toluene	10.170	92	244039	22.157	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	116699	21.685	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	140531	22.521	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	65060	21.661	ug/l	96
56) Ethyl methacrylate	10.438	69	80184	19.843	ug/l	96
57) 1,3-Dichloropropane	10.713	76	113624	21.683	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	202258	104.922	ug/l	100
59) 2-Hexanone	10.756	43	205080	116.554	ug/l	100
60) Dibromochloromethane	10.908	129	82809	21.344	ug/l	100
61) 1,2-Dibromoethane	11.012	107	58660	20.871	ug/l	96
64) Tetrachloroethene	10.646	164	114342	23.067	ug/l	98
65) Chlorobenzene	11.438	112	257096	22.299	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.511	131	85435	21.877	ug/l	98
67) Ethyl Benzene	11.518	91	456349	22.527	ug/l	98
68) m/p-Xylenes	11.627	106	346096	44.196	ug/l	99
69) o-Xylene	11.950	106	160557	21.760	ug/l	99
70) Styrene	11.969	104	269611	21.814	ug/l	99
71) Bromoform	12.133	173	43869	20.175	ug/l #	97
73) Isopropylbenzene	12.249	105	420453	23.061	ug/l	99
74) N-amyl acetate	12.066	43	87777	21.448	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	62295	21.200	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	45817m	18.204	ug/l	
77) Bromobenzene	12.530	156	91375	22.110	ug/l	98
78) n-propylbenzene	12.591	91	523332	23.774	ug/l	100
79) 2-Chlorotoluene	12.676	91	287651	23.128	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	341474	23.200	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	21110	21.190	ug/l	97
82) 4-Chlorotoluene	12.773	91	293116	22.437	ug/l	100
83) tert-Butylbenzene	12.993	119	304891	23.489	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	336195	22.815	ug/l	100
85) sec-Butylbenzene	13.170	105	457631	23.432	ug/l	100
86) p-Isopropyltoluene	13.286	119	374921	23.068	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	185171	22.310	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	184883	22.425	ug/l	98
89) n-Butylbenzene	13.615	91	350329	22.916	ug/l	99
90) Hexachloroethane	13.877	117	76067	23.499	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	161163	22.034	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	9925	19.917	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	85569	20.720	ug/l	96
94) Hexachlorobutadiene	15.017	225	52132	22.324	ug/l	96
95) Naphthalene	15.139	128	133729	17.907	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	71026	19.903	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022970.D
Acq On : 08 Jul 2025 12:12
Operator : SY/MD
Sample : VY0708SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:29:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

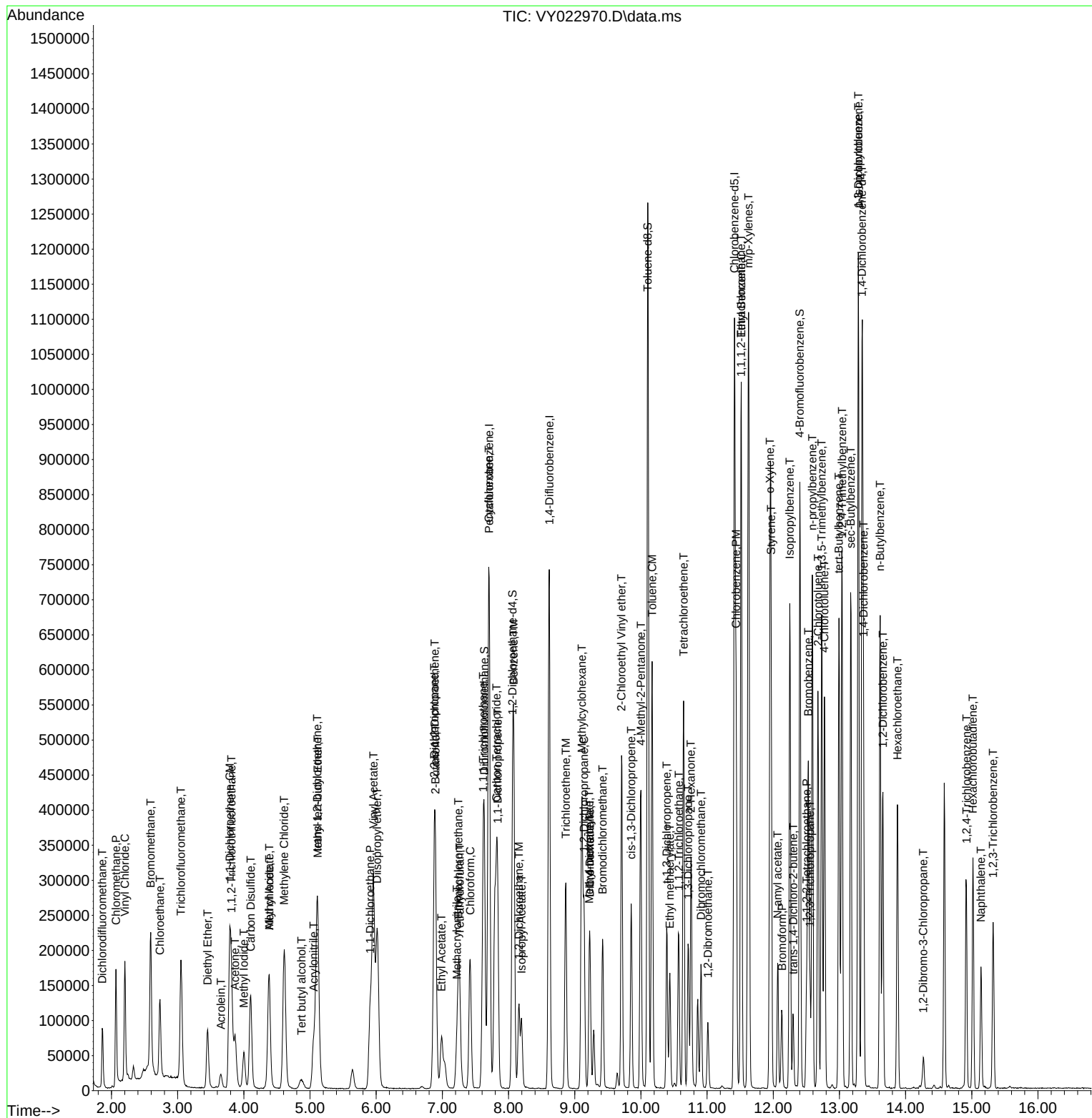
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022970.D
 Acq On : 08 Jul 2025 12:12
 Operator : SY/MD
 Sample : VY0708SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0708SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
 Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:29:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VW0710SBSD01	SDG No.:	Q2480
Lab Sample ID:	VW0710SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031794.D	1	07/10/25 11:33	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.79	5.00	ug/Kg
74-83-9	Bromomethane	18.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	16.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.6		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	21.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VW0710SBSD01	SDG No.:	Q2480
Lab Sample ID:	VW0710SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031794.D	1	07/10/25 11:33	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.5		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.1		0.82	5.00	ug/Kg
100-42-5	Styrene	21.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		17 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	7.965			
540-36-3	1,4-Difluorobenzene	415000	8.849			
3114-55-4	Chlorobenzene-d5	366000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.556			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	VW0710SBSD01	SDG No.:	Q2480
Lab Sample ID:	VW0710SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031794.D	1	07/10/25 11:33	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031794.D
 Acq On : 10 Jul 2025 11:33
 Operator : SY/MD
 Sample : VW0710SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0710SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 11 02:17:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	226314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	415001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	365558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173637	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	167289	51.507	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 103.020%	
35) Dibromofluoromethane	7.904	113	135149	49.906	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 99.820%	
50) Toluene-d8	10.325	98	501996	49.812	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 99.620%	
62) 4-Bromofluorobenzene	12.617	95	192442	51.890	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 103.780%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	30178	19.580	ug/l	96
3) Chloromethane	2.259	50	36073	19.413	ug/l	97
4) Vinyl Chloride	2.405	62	50581	20.710	ug/l	95
5) Bromomethane	2.826	94	35400	18.557	ug/l	98
6) Chloroethane	2.972	64	32192	19.404	ug/l	97
7) Trichlorofluoromethane	3.301	101	36813	16.597	ug/l	94
8) Diethyl Ether	3.722	74	35786	21.232	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	50449	20.491	ug/l	98
10) Methyl Iodide	4.314	142	73975	19.491	ug/l	99
11) Tert butyl alcohol	5.228	59	19156	95.202	ug/l	97
12) 1,1-Dichloroethene	4.076	96	54559	20.232	ug/l	91
13) Acrolein	3.929	56	28198	77.971	ug/l	99
14) Allyl chloride	4.704	41	86231	20.841	ug/l	97
15) Acrylonitrile	5.411	53	81557	98.400	ug/l	99
16) Acetone	4.167	43	87339	108.797	ug/l	100
17) Carbon Disulfide	4.417	76	139598	19.345	ug/l	98
18) Methyl Acetate	4.710	43	43494	18.957	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	99089	21.649	ug/l	97
20) Methylene Chloride	4.960	84	86229	24.362	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	59156	20.645	ug/l	96
22) Diisopropyl ether	6.338	45	180751	22.399	ug/l	95
23) Vinyl Acetate	6.283	43	597042	108.322	ug/l	98
24) 1,1-Dichloroethane	6.246	63	110704	21.161	ug/l	98
25) 2-Butanone	7.197	43	119126	114.064	ug/l	98
26) 2,2-Dichloropropane	7.185	77	59909	19.627	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	70581	21.429	ug/l	97
28) Bromochloromethane	7.532	49	49683	21.520	ug/l	97
29) Tetrahydrofuran	7.557	42	71773	100.351	ug/l	100
30) Chloroform	7.691	83	116682	20.990	ug/l	96
31) Cyclohexane	7.971	56	97811	21.151	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	85852	20.040	ug/l	99
36) 1,1-Dichloropropene	8.099	75	82416	21.031	ug/l	99
37) Ethyl Acetate	7.276	43	49846	20.164	ug/l	98
38) Carbon Tetrachloride	8.081	117	78551	19.671	ug/l	97
39) Methylcyclohexane	9.343	83	100339	20.580	ug/l	97
40) Benzene	8.337	78	245359	21.163	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031794.D
 Acq On : 10 Jul 2025 11:33
 Operator : SY/MD
 Sample : VW0710SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0710SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 11 02:17:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	26501	20.012	ug/l	93
42) 1,2-Dichloroethane	8.410	62	83386	21.286	ug/l	99
43) Isopropyl Acetate	8.435	43	89552	21.016	ug/l	99
44) Trichloroethene	9.105	130	56412	19.495	ug/l	91
45) 1,2-Dichloropropane	9.374	63	59237	21.140	ug/l	95
46) Dibromomethane	9.465	93	37600	20.784	ug/l	97
47) Bromodichloromethane	9.648	83	88183	20.787	ug/l	95
48) Methyl methacrylate	9.441	41	41670	19.888	ug/l	97
49) 1,4-Dioxane	9.465	88	7065	333.450	ug/l #	86
51) 4-Methyl-2-Pentanone	10.215	43	256230	104.592	ug/l	100
52) Toluene	10.392	92	153896	20.732	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	82051	20.615	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	95884	21.250	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	50955	21.503	ug/l	98
56) Ethyl methacrylate	10.648	69	69105	21.495	ug/l	99
57) 1,3-Dichloropropane	10.934	76	89275	21.458	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	188338	106.389	ug/l	97
59) 2-Hexanone	10.971	43	184311	111.025	ug/l	99
60) Dibromochloromethane	11.129	129	57910	20.436	ug/l	99
61) 1,2-Dibromoethane	11.239	107	48539	20.461	ug/l	98
64) Tetrachloroethene	10.861	164	45851	19.175	ug/l	84
65) Chlorobenzene	11.654	112	170652	21.158	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.733	131	53380	20.769	ug/l	96
67) Ethyl Benzene	11.727	91	297893	21.300	ug/l	95
68) m/p-Xylenes	11.837	106	224986	41.847	ug/l	99
69) o-Xylene	12.166	106	104943	21.082	ug/l	98
70) Styrene	12.178	104	184086	21.391	ug/l	99
71) Bromoform	12.349	173	29851	19.469	ug/l #	99
73) Isopropylbenzene	12.464	105	279027	21.126	ug/l	99
74) N-amyl acetate	12.269	43	79743	22.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	62348	21.263	ug/l	98
76) 1,2,3-Trichloropropane	12.769	75	46547m	20.744	ug/l	
77) Bromobenzene	12.745	156	60742	20.620	ug/l	94
78) n-propylbenzene	12.800	91	344945	21.810	ug/l	97
79) 2-Chlorotoluene	12.885	91	205314	21.558	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	235670	21.556	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	19026	19.749	ug/l	88
82) 4-Chlorotoluene	12.983	91	214521	21.454	ug/l	99
83) tert-Butylbenzene	13.202	119	198401	21.186	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	240630	21.723	ug/l	100
85) sec-Butylbenzene	13.379	105	301636	21.459	ug/l	100
86) p-Isopropyltoluene	13.495	119	250318	21.608	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	129646	21.946	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	124248	20.548	ug/l	95
89) n-Butylbenzene	13.818	91	238633	21.201	ug/l	99
90) Hexachloroethane	14.086	117	42207	20.195	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	112201	20.780	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11405	19.920	ug/l	91
93) 1,2,4-Trichlorobenzene	15.129	180	66095	19.848	ug/l	97
94) Hexachlorobutadiene	15.226	225	29695	18.467	ug/l	96
95) Naphthalene	15.360	128	167135	20.472	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	59518	19.452	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031794.D
Acq On : 10 Jul 2025 11:33
Operator : SY/MD
Sample : VW0710SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 11 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

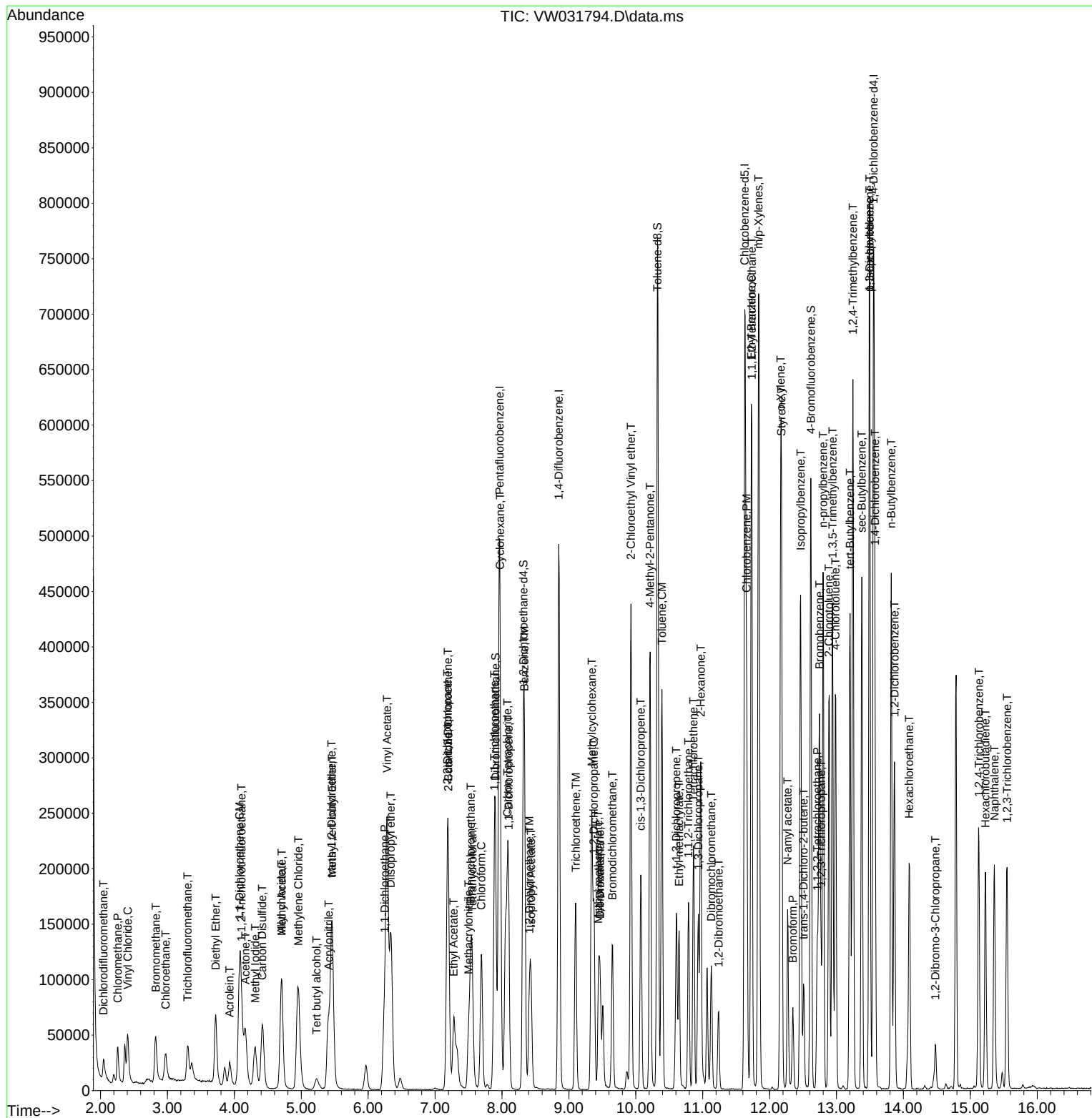
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031794.D
Acq On : 10 Jul 2025 11:33
Operator : SY/MD
Sample : VW07105BSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 11 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VW063025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW031729.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	1,4-Dioxane	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Acetone	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Ethyl Acetate	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Tert butyl alcohol	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	1,4-Dioxane	MMDadod a	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	Tert butyl alcohol	MMDadod a	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC020	VW031731.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:36 PM	SAM	7/1/2025 12:24:13 PM	Peak Integrated by Software
VSTDICC020	VW031731.D	1,4-Dioxane	MMDadod a	7/1/2025 12:21:36 PM	SAM	7/1/2025 12:24:13 PM	Peak Integrated by Software
VSTDICCC050	VW031732.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:38 PM	SAM	7/1/2025 12:24:15 PM	Peak Integrated by Software
VSTDICC100	VW031733.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:40 PM	SAM	7/1/2025 12:24:18 PM	Peak Integrated by Software
VSTDICC150	VW031734.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:41 PM	SAM	7/1/2025 12:24:20 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:

VW063025

Instrument

MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VW031736.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:42 PM	SAM	7/1/2025 12:24:21 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VW070925

Instrument

MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW031767.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:36:07 AM	Sam	7/14/2025 7:50:38 AM	Peak Integrated by Software
VW0709SBS01	VW031769.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:36:09 AM	Sam	7/14/2025 7:50:40 AM	Peak Integrated by Software
Q2480-07	VW031777.D	1,2,4-Trimethylbenzene	MMDadoda	7/14/2025 7:36:21 AM	Sam	7/14/2025 7:50:49 AM	Peak Integrated by Software
Q2480-07	VW031777.D	sec-Butylbenzene	MMDadoda	7/14/2025 7:36:21 AM	Sam	7/14/2025 7:50:49 AM	Peak Integrated by Software
VSTDCCC050	VW031789.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:36:22 AM	Sam	7/14/2025 7:50:50 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VW071025

Instrument

MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW031791.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:37:09 AM	Sam	7/14/2025 7:51:24 AM	Peak Integrated by Software
VW0710SBS01	VW031793.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:37:11 AM	Sam	7/14/2025 7:51:25 AM	Peak Integrated by Software
VW0710SBSD01	VW031794.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:37:15 AM	Sam	7/14/2025 7:51:35 AM	Peak Integrated by Software
Q2480-06	VW031797.D	Methylcyclohexane	MMDadoda	7/14/2025 7:37:16 AM	Sam	7/14/2025 7:51:37 AM	Peak Integrated by Software
Q2480-06	VW031797.D	n-Butylbenzene	MMDadoda	7/14/2025 7:37:16 AM	Sam	7/14/2025 7:51:37 AM	Peak Integrated by Software
VSTDCCC050	VW031815.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:37:20 AM	Sam	7/14/2025 7:51:40 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX070225

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX046860.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	1,4-Dichlorobenzene	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	1,4-Dioxane	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	2-Butanone	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Acrylonitrile	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Carbon Tetrachloride	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Ethyl Acetate	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Methacrylonitrile	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC005	VX046861.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:43:57 AM	MMDadoda	7/3/2025 3:09:44 PM	Peak Integrated by Software
VSTDICC020	VX046862.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:01 AM	MMDadoda	7/3/2025 3:09:46 PM	Peak Integrated by Software
VSTDICCC050	VX046863.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:05 AM	MMDadoda	7/3/2025 3:09:47 PM	Peak Integrated by Software
VSTDICC100	VX046864.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:09 AM	MMDadoda	7/3/2025 3:09:49 PM	Peak Integrated by Software
VSTDICC150	VX046865.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:13 AM	MMDadoda	7/3/2025 3:09:51 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:

VX070225

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX046867.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:17 AM	MMDadoda	7/3/2025 3:09:53 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vx071025

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046933.D	1,2,3-Trichloropropane	JOHN	7/11/2025 8:39:45 AM	MMDadoda	7/14/2025 7:46:10 AM	Peak Integrated by Software
VX0710MBS01	VX046953.D	1,2,3-Trichloropropane	JOHN	7/11/2025 8:40:55 AM	MMDadoda	7/14/2025 7:46:43 AM	Peak Integrated by Software
VX0710MBS01	VX046953.D	Chloroethane	JOHN	7/11/2025 8:40:55 AM	MMDadoda	7/14/2025 7:46:43 AM	Peak Integrated by Software
Q2480-05	VX046955.D	n-Butylbenzene	JOHN	7/11/2025 8:41:03 AM	MMDadoda	7/14/2025 7:46:49 AM	Peak Integrated by Software
Q2480-06ME	VX046956.D	n-Butylbenzene	JOHN	7/11/2025 8:41:08 AM	MMDadoda	7/14/2025 7:46:56 AM	Peak Integrated by Software
Q2480-07ME	VX046957.D	n-Butylbenzene	JOHN	7/11/2025 8:41:12 AM	MMDadoda	7/14/2025 7:46:58 AM	Peak Integrated by Software
Q2480-08	VX046958.D	n-Butylbenzene	JOHN	7/11/2025 8:41:17 AM	MMDadoda	7/14/2025 7:47:01 AM	Peak Integrated by Software
Q2480-08	VX046958.D	sec-Butylbenzene	JOHN	7/11/2025 8:41:17 AM	MMDadoda	7/14/2025 7:47:01 AM	Peak Integrated by Software
VSTDCCC050	VX046959.D	1,2,3-Trichloropropane	JOHN	7/11/2025 8:41:21 AM	MMDadoda	7/14/2025 7:47:02 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX071425

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046961.D	1,2,3-Trichloropropane	MMDadoda	7/15/2025 4:53:58 AM	SAM	7/15/2025 4:55:11 AM	Peak Integrated by Software
VX0714MBS01	VX046964.D	1,2,3-Trichloropropane	MMDadoda	7/15/2025 4:53:59 AM	SAM	7/15/2025 4:55:13 AM	Peak Integrated by Software
Q2480-02ME	VX046967.D	n-Butylbenzene	MMDadoda	7/15/2025 4:54:02 AM	SAM	7/15/2025 4:55:17 AM	Peak Integrated by Software
VSTDCCC050	VX046986.D	1,2,3-Trichloropropane	MMDadoda	7/15/2025 4:54:13 AM	SAM	7/15/2025 4:55:26 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VY062325

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022776.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC005	VY022776.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	Methacrylonitrile	MMDadod a	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICCC050	VY022779.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:00 AM	Sam	6/24/2025 8:27:51 AM	Peak Integrated by Software
VSTDICC100	VY022780.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:23:59 AM	Sam	6/24/2025 8:27:52 AM	Peak Integrated by Software
VSTDICC150	VY022781.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:53 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

vy070725

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022946.D	1,2,3-Trichloropropane	MMDadoda	7/8/2025 3:34:59 PM	Sam	7/8/2025 3:38:14 PM	Peak Integrated by Software
VSTDCCC050	VY022946.D	Methacrylonitrile	MMDadoda	7/8/2025 3:34:59 PM	Sam	7/8/2025 3:38:14 PM	Peak Integrated by Software
VY0707SBS01	VY022948.D	1,2,3-Trichloropropane	MMDadoda	7/8/2025 3:35:00 PM	Sam	7/8/2025 3:38:16 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vy070825

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022968.D	1,2,3-Trichloropropane	MMDadoda	7/9/2025 4:20:50 PM	SAM	7/9/2025 4:22:45 PM	Peak Integrated by Software
VSTDCCC050	VY022968.D	Methacrylonitrile	MMDadoda	7/9/2025 4:20:50 PM	SAM	7/9/2025 4:22:45 PM	Peak Integrated by Software
VY0708SBS01	VY022970.D	1,2,3-Trichloropropane	MMDadoda	7/9/2025 4:20:51 PM	SAM	7/9/2025 4:22:46 PM	Peak Integrated by Software
VY0708SBS01	VY022970.D	Methacrylonitrile	MMDadoda	7/9/2025 4:20:51 PM	SAM	7/9/2025 4:22:46 PM	Peak Integrated by Software
Q2480-02	VY022983.D	n-Butylbenzene	MMDadoda	7/9/2025 4:20:55 PM	SAM	7/9/2025 4:22:50 PM	Peak Integrated by Software
VSTDCCC050	VY022988.D	1,2,3-Trichloropropane	MMDadoda	7/9/2025 4:20:57 PM	SAM	7/9/2025 4:22:52 PM	Peak Integrated by Software

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW063025

Review By	Mahesh Dadoda	Review On	7/1/2025 12:21:51 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/1/2025 12:24:32 PM		
SubDirectory	VW063025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134578			
Initial Calibration Stds		VP134581,VP134582,VP134583,VP134584,VP134585,VP134586			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134587			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031728.D	30 Jun 2025 08:56	SY/MD	Ok
2	VSTDIC005	VW031729.D	30 Jun 2025 09:54	SY/MD	Ok,M
3	VSTDIC010	VW031730.D	30 Jun 2025 10:15	SY/MD	Ok,M
4	VSTDIC020	VW031731.D	30 Jun 2025 10:58	SY/MD	Ok,M
5	VSTDIC050	VW031732.D	30 Jun 2025 11:21	SY/MD	Ok,M
6	VSTDIC100	VW031733.D	30 Jun 2025 12:34	SY/MD	Ok,M
7	VSTDIC150	VW031734.D	30 Jun 2025 12:55	SY/MD	Ok,M
8	VIBLK	VW031735.D	30 Jun 2025 14:11	SY/MD	Ok
9	VSTDICV050	VW031736.D	30 Jun 2025 15:23	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW070925

Review By	Mahesh Dadoda	Review On	7/14/2025 7:37:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:50:58 AM		
SubDirectory	VW070925	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134687			
CCC		VP134688,VP134689			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031766.D	09 Jul 2025 08:51	SY/MD	Ok
2	VSTDCCC050	VW031767.D	09 Jul 2025 10:00	SY/MD	Ok,M
3	VW0709SBL01	VW031768.D	09 Jul 2025 10:58	SY/MD	Ok
4	VW0709SBS01	VW031769.D	09 Jul 2025 11:34	SY/MD	Ok,M
5	VW0709SBSD01	VW031770.D	09 Jul 2025 11:56	SY/MD	Ok,M
6	VW0709SBS02	VW031771.D	09 Jul 2025 13:29	SY/MD	Not Ok
7	Q2519-03	VW031772.D	09 Jul 2025 13:51	SY/MD	Ok
8	Q2527-01	VW031773.D	09 Jul 2025 14:13	SY/MD	Ok
9	Q2526-04	VW031774.D	09 Jul 2025 14:34	SY/MD	Ok
10	Q2514-06	VW031775.D	09 Jul 2025 14:56	SY/MD	Ok
11	Q2480-06	VW031776.D	09 Jul 2025 15:18	SY/MD	Not Ok
12	Q2480-07	VW031777.D	09 Jul 2025 15:40	SY/MD	Dilution
13	Q2529-01	VW031778.D	09 Jul 2025 16:02	SY/MD	Ok
14	Q2529-02	VW031779.D	09 Jul 2025 16:24	SY/MD	Ok
15	Q2529-03	VW031780.D	09 Jul 2025 16:46	SY/MD	Ok
16	Q2529-04	VW031781.D	09 Jul 2025 17:08	SY/MD	Ok
17	Q2529-05	VW031782.D	09 Jul 2025 17:30	SY/MD	ReRun
18	Q2529-06	VW031783.D	09 Jul 2025 17:52	SY/MD	ReRun
19	Q2529-07	VW031784.D	09 Jul 2025 18:14	SY/MD	ReRun
20	Q2529-08	VW031785.D	09 Jul 2025 18:36	SY/MD	ReRun
21	Q2529-09	VW031786.D	09 Jul 2025 18:57	SY/MD	ReRun

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW070925

Review By	Maresh Dadoda	Review On	7/14/2025 7:37:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:50:58 AM		
SubDirectory	VW070925	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134687			
CCC		VP134688,VP134689			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2529-10	VW031787.D	09 Jul 2025 19:19	SY/MD	ReRun
23	VIBLK	VW031788.D	09 Jul 2025 20:25	SY/MD	Ok
24	VSTDCCC050	VW031789.D	09 Jul 2025 20:46	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW071025

Review By	Mahesh Dadoda	Review On	7/14/2025 7:38:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:52:00 AM		
SubDirectory	VW071025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134704			
CCC		VP134705,VP134706			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031790.D	10 Jul 2025 08:16	SY/MD	Ok
2	VSTDCCC050	VW031791.D	10 Jul 2025 08:47	SY/MD	Ok,M
3	VW0710SBL01	VW031792.D	10 Jul 2025 10:15	SY/MD	Ok
4	VW0710SBS01	VW031793.D	10 Jul 2025 11:05	SY/MD	Ok,M
5	VW0710SBSD01	VW031794.D	10 Jul 2025 11:33	SY/MD	Ok,M
6	Q2480-03RE	VW031795.D	10 Jul 2025 12:19	SY/MD	Confirms
7	Q2480-04	VW031796.D	10 Jul 2025 12:41	SY/MD	Dilution
8	Q2480-06	VW031797.D	10 Jul 2025 13:03	SY/MD	Dilution
9	Q2529-05	VW031798.D	10 Jul 2025 13:25	SY/MD	Ok
10	Q2529-06	VW031799.D	10 Jul 2025 13:47	SY/MD	Ok
11	Q2529-07	VW031800.D	10 Jul 2025 14:09	SY/MD	Ok
12	Q2529-08	VW031801.D	10 Jul 2025 14:30	SY/MD	Ok
13	Q2529-09	VW031802.D	10 Jul 2025 14:52	SY/MD	Ok,M
14	Q2529-10	VW031803.D	10 Jul 2025 15:14	SY/MD	Ok
15	Q2555-01	VW031804.D	10 Jul 2025 15:36	SY/MD	Ok
16	Q2555-03	VW031805.D	10 Jul 2025 15:58	SY/MD	Ok
17	Q2539-01	VW031806.D	10 Jul 2025 16:20	SY/MD	Ok
18	Q2550-02	VW031807.D	10 Jul 2025 16:42	SY/MD	Ok
19	Q2551-02	VW031808.D	10 Jul 2025 17:04	SY/MD	Ok
20	Q2543-01	VW031809.D	10 Jul 2025 17:26	SY/MD	Ok
21	Q2543-02	VW031810.D	10 Jul 2025 17:48	SY/MD	Ok

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW071025

Review By	Maresh Dadoda	Review On	7/14/2025 7:38:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:52:00 AM		
SubDirectory	VW071025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134704			
CCC		VP134705,VP134706			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2543-03	VW031811.D	10 Jul 2025 18:10	SY/MD	Ok
23	Q2543-04	VW031812.D	10 Jul 2025 18:32	SY/MD	Ok
24	Q2558-01	VW031813.D	10 Jul 2025 18:53	SY/MD	Ok
25	Q2558-03	VW031814.D	10 Jul 2025 19:15	SY/MD	Ok
26	VSTDCCC050	VW031815.D	10 Jul 2025 19:59	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX070225

Review By	John Carlone	Review On	7/3/2025 8:44:30 AM
Supervise By	Maresh Dadoda	Supervise On	7/3/2025 3:09:59 PM
SubDirectory	VX070225	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134642		
Initial Calibration Stds	VP134633,VP134634,VP134635,VP134638,VP134639,VP134640		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP134641		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046859.D	02 Jul 2025 11:12	JC/MD	Ok
2	VSTDIC001	VX046860.D	02 Jul 2025 12:11	JC/MD	Ok,M
3	VSTDIC005	VX046861.D	02 Jul 2025 12:37	JC/MD	Ok,M
4	VSTDIC020	VX046862.D	02 Jul 2025 13:18	JC/MD	Ok,M
5	VSTDIC050	VX046863.D	02 Jul 2025 13:39	JC/MD	Ok,M
6	VSTDIC100	VX046864.D	02 Jul 2025 14:10	JC/MD	Ok,M
7	VSTDIC150	VX046865.D	02 Jul 2025 14:31	JC/MD	Ok,M
8	VIBLK	VX046866.D	02 Jul 2025 14:53	JC/MD	Ok
9	VSTDICV050	VX046867.D	02 Jul 2025 15:14	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX071025

Review By	John Carlone	Review On	7/11/2025 8:53:41 AM
Supervise By	Maresh Dadoda	Supervise On	7/14/2025 7:47:20 AM
SubDirectory	VX071025	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134710		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134714,VP134715		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046932.D	10 Jul 2025 08:43	JC/MD	Ok
2	VSTDCCC050	VX046933.D	10 Jul 2025 09:54	JC/MD	Ok,M
3	VX0710MBL01	VX046934.D	10 Jul 2025 10:22	JC/MD	Ok
4	VX0710WBL01	VX046935.D	10 Jul 2025 11:44	JC/MD	Ok
5	VX0710WBS01	VX046936.D	10 Jul 2025 12:10	JC/MD	Ok,M
6	VX0710WBSD01	VX046937.D	10 Jul 2025 12:35	JC/MD	Ok,M
7	IBLK	VX046938.D	10 Jul 2025 12:57	JC/MD	Ok
8	Q2553-06	VX046939.D	10 Jul 2025 13:18	JC/MD	Ok
9	Q2553-05	VX046940.D	10 Jul 2025 13:39	JC/MD	ReRun
10	Q2554-02	VX046941.D	10 Jul 2025 14:00	JC/MD	Ok
11	Q2554-04	VX046942.D	10 Jul 2025 14:21	JC/MD	Ok
12	Q2553-01	VX046943.D	10 Jul 2025 14:43	JC/MD	Ok,M
13	Q2553-02	VX046944.D	10 Jul 2025 15:04	JC/MD	Ok,M
14	Q2553-03	VX046945.D	10 Jul 2025 15:26	JC/MD	Ok,M
15	Q2553-04	VX046946.D	10 Jul 2025 15:47	JC/MD	Ok,M
16	PB168762TB	VX046947.D	10 Jul 2025 16:08	JC/MD	Ok,M
17	Q2517-04	VX046948.D	10 Jul 2025 16:30	JC/MD	Ok
18	Q2519-04	VX046949.D	10 Jul 2025 16:51	JC/MD	Ok,M
19	Q2554-03	VX046950.D	10 Jul 2025 17:12	JC/MD	Ok
20	Q2554-01	VX046951.D	10 Jul 2025 17:34	JC/MD	Ok,M
21	IBLK	VX046952.D	10 Jul 2025 17:55	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX071025

Review By	John Carlone	Review On	7/11/2025 8:53:41 AM
Supervise By	Mahesh Dadoda	Supervise On	7/14/2025 7:47:20 AM
SubDirectory	VX071025	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134710		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134714,VP134715		

22	VX0710MBS01	VX046953.D	10 Jul 2025 18:16	JC/MD	Ok,M
23	VX0710MBSD01	VX046954.D	10 Jul 2025 18:37	JC/MD	Ok,M
24	Q2480-05	VX046955.D	10 Jul 2025 18:59	JC/MD	Ok,M
25	Q2480-06ME	VX046956.D	10 Jul 2025 19:20	JC/MD	Ok,M
26	Q2480-07ME	VX046957.D	10 Jul 2025 19:41	JC/MD	Ok,M
27	Q2480-08	VX046958.D	10 Jul 2025 20:02	JC/MD	Ok,M
28	VSTDCCC050	VX046959.D	10 Jul 2025 20:23	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX071425

Review By	Mahesh Dadoda	Review On	7/15/2025 4:54:26 AM
Supervise By	Semsettin Yesilyurt	Supervise On	7/15/2025 4:55:39 AM
SubDirectory	VX071425	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134751		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134752,VP134753		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046960.D	14 Jul 2025 08:10	JC/MD	Ok
2	VSTDCCC050	VX046961.D	14 Jul 2025 09:16	JC/MD	Ok,M
3	VX0714MBL01	VX046962.D	14 Jul 2025 10:54	JC/MD	Ok
4	VX0714WBL01	VX046963.D	14 Jul 2025 11:18	JC/MD	Ok
5	VX0714MBS01	VX046964.D	14 Jul 2025 11:39	JC/MD	Ok,M
6	VX0714MBSD01	VX046965.D	14 Jul 2025 12:06	JC/MD	Ok,M
7	Q2480-04ME	VX046966.D	14 Jul 2025 12:27	JC/MD	Ok
8	Q2480-02ME	VX046967.D	14 Jul 2025 12:49	JC/MD	Ok,M
9	VX0714WBS01	VX046968.D	14 Jul 2025 13:10	JC/MD	Ok,M
10	VX0714WBSD01	VX046969.D	14 Jul 2025 13:37	JC/MD	Ok,M
11	Q2523-01	VX046970.D	14 Jul 2025 13:58	JC/MD	Not Ok
12	Q2526-02	VX046971.D	14 Jul 2025 14:19	JC/MD	Not Ok
13	Q2565-03	VX046972.D	14 Jul 2025 14:41	JC/MD	Not Ok
14	Q2565-04	VX046973.D	14 Jul 2025 15:02	JC/MD	Not Ok
15	Q2565-05	VX046974.D	14 Jul 2025 15:23	JC/MD	Not Ok
16	IBLK	VX046975.D	14 Jul 2025 15:45	JC/MD	Ok
17	Q2578-01	VX046976.D	14 Jul 2025 16:06	JC/MD	ReRun
18	Q2578-05	VX046977.D	14 Jul 2025 16:28	JC/MD	ReRun
19	Q2578-09	VX046978.D	14 Jul 2025 16:49	JC/MD	ReRun
20	Q2578-13	VX046979.D	14 Jul 2025 17:10	JC/MD	ReRun
21	Q2578-17	VX046980.D	14 Jul 2025 17:31	JC/MD	ReRun

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX071425

Review By	Mahesh Dadoda	Review On	7/15/2025 4:54:26 AM
Supervise By	Semsettin Yesilyurt	Supervise On	7/15/2025 4:55:39 AM
SubDirectory	VX071425	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134751		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134752,VP134753		

22	Q2579-01	VX046981.D	14 Jul 2025 17:53	JC/MD	ReRun
23	Q2579-05	VX046982.D	14 Jul 2025 18:14	JC/MD	ReRun
24	IBLK	VX046983.D	14 Jul 2025 18:35	JC/MD	Ok
25	Q2553-05	VX046984.D	14 Jul 2025 18:56	JC/MD	Ok
26	Q2595-01	VX046985.D	14 Jul 2025 19:17	JC/MD	Not Ok
27	VSTDCCC050	VX046986.D	14 Jul 2025 19:38	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134461			
Initial Calibration Stds		VP134462,VP134463,VP134464,VP134465,VP134466,VP134467			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134468			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022775.D	23 Jun 2025 10:17	SY/MD	Ok
2	VSTDIC005	VY022776.D	23 Jun 2025 13:38	SY/MD	Ok,M
3	VSTDIC010	VY022777.D	23 Jun 2025 14:00	SY/MD	Ok,M
4	VSTDIC020	VY022778.D	23 Jun 2025 14:23	SY/MD	Ok,M
5	VSTDIC050	VY022779.D	23 Jun 2025 14:46	SY/MD	Ok,M
6	VSTDIC100	VY022780.D	23 Jun 2025 15:08	SY/MD	Ok,M
7	VSTDIC150	VY022781.D	23 Jun 2025 15:31	SY/MD	Ok,M
8	VIBLK	VY022782.D	23 Jun 2025 15:54	SY/MD	Ok
9	VSTDICV050	VY022783.D	23 Jun 2025 16:17	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY070725

Review By	Mahesh Dadoda	Review On	7/8/2025 3:35:09 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/8/2025 3:38:12 PM
SubDirectory	VY070725	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y062325s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134656		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134657,VP134658 VP133934		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022945.D	07 Jul 2025 08:36	SY/MD	Ok
2	VSTDCCC050	VY022946.D	07 Jul 2025 09:08	SY/MD	Ok,M
3	VY0707SBL01	VY022947.D	07 Jul 2025 09:44	SY/MD	Ok
4	VY0707SBS01	VY022948.D	07 Jul 2025 10:17	SY/MD	Ok,M
5	VY0707SBSD01	VY022949.D	07 Jul 2025 10:40	SY/MD	Ok,M
6	Q2507-03	VY022950.D	07 Jul 2025 11:18	SY/MD	ReRun
7	Q2513-01	VY022951.D	07 Jul 2025 11:41	SY/MD	Ok
8	Q2513-03	VY022952.D	07 Jul 2025 12:04	SY/MD	Ok
9	Q2504-02	VY022953.D	07 Jul 2025 12:28	SY/MD	ReRun
10	Q2515-01	VY022954.D	07 Jul 2025 12:51	SY/MD	Ok,M
11	Q2487-07RE	VY022955.D	07 Jul 2025 13:15	SY/MD	Confirms
12	Q2487-08	VY022956.D	07 Jul 2025 13:38	SY/MD	Ok
13	Q2510-02	VY022957.D	07 Jul 2025 14:02	SY/MD	Ok,M
14	Q2484-01	VY022958.D	07 Jul 2025 14:25	SY/MD	Ok
15	Q2484-02	VY022959.D	07 Jul 2025 14:48	SY/MD	Ok
16	Q2484-03	VY022960.D	07 Jul 2025 15:12	SY/MD	Ok
17	Q2484-04	VY022961.D	07 Jul 2025 15:35	SY/MD	Ok
18	Q2484-05	VY022962.D	07 Jul 2025 15:59	SY/MD	ReRun
19	Q2484-06	VY022963.D	07 Jul 2025 16:22	SY/MD	Ok
20	Q2514-01	VY022964.D	07 Jul 2025 16:45	SY/MD	Ok
21	Q2514-02	VY022965.D	07 Jul 2025 17:09	SY/MD	Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY070725

Review By	Mahesh Dadoda	Review On	7/8/2025 3:35:09 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/8/2025 3:38:12 PM		
SubDirectory	VY070725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134656			
CCC		VP134657,VP134658			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2480-01	VY022966.D	07 Jul 2025 17:32	SY/MD	Ok

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY070825

Review By	Mahesh Dadoda	Review On	7/9/2025 4:21:01 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/9/2025 4:22:56 PM
SubDirectory	VY070825	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y062325s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134673		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134675,VP134676 VP133934		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022967.D	08 Jul 2025 08:30	SY/MD	Ok
2	VSTDCCC050	VY022968.D	08 Jul 2025 11:15	SY/MD	Ok,M
3	VY0708SBL01	VY022969.D	08 Jul 2025 11:44	SY/MD	Ok
4	VY0708SBS01	VY022970.D	08 Jul 2025 12:12	SY/MD	Ok,M
5	VY0708SBSD01	VY022971.D	08 Jul 2025 12:35	SY/MD	Ok,M
6	Q2507-03	VY022972.D	08 Jul 2025 13:43	SY/MD	Ok
7	Q2504-02RE	VY022973.D	08 Jul 2025 14:16	SY/MD	Confirms
8	Q2484-05	VY022974.D	08 Jul 2025 14:40	SY/MD	Ok
9	Q2514-03	VY022975.D	08 Jul 2025 15:03	SY/MD	Ok
10	Q2514-04	VY022976.D	08 Jul 2025 15:26	SY/MD	Ok
11	Q2514-05	VY022977.D	08 Jul 2025 15:50	SY/MD	Ok
12	Q2514-06	VY022978.D	08 Jul 2025 16:13	SY/MD	ReRun
13	Q2514-07	VY022979.D	08 Jul 2025 16:37	SY/MD	Ok
14	Q2514-08	VY022980.D	08 Jul 2025 17:00	SY/MD	Ok
15	Q2514-09	VY022981.D	08 Jul 2025 17:23	SY/MD	Ok
16	Q2514-10	VY022982.D	08 Jul 2025 17:47	SY/MD	Ok
17	Q2480-02	VY022983.D	08 Jul 2025 18:10	SY/MD	Dilution
18	Q2480-03	VY022984.D	08 Jul 2025 18:34	SY/MD	ReRun
19	Q2480-04	VY022985.D	08 Jul 2025 18:57	SY/MD	ReRun
20	Q2517-03	VY022986.D	08 Jul 2025 19:21	SY/MD	Ok
21	VIBLK	VY022987.D	08 Jul 2025 19:44	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY070825

Review By	Mahesh Dadoda	Review On	7/9/2025 4:21:01 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/9/2025 4:22:56 PM		
SubDirectory	VY070825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134673			
CCC		VP134675,VP134676			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	VSTDCCC050	VY022988.D	08 Jul 2025 20:07	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW063025

Review By	Mahesh Dadoda	Review On	7/1/2025 12:21:51 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/1/2025 12:24:32 PM		
SubDirectory	VW063025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134578
Initial Calibration Stds	VP134581,VP134582,VP134583,VP134584,VP134585,VP134586
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031728.D	30 Jun 2025 08:56		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW031729.D	30 Jun 2025 09:54		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW031730.D	30 Jun 2025 10:15	8260-soil-method	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW031731.D	30 Jun 2025 10:58		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW031732.D	30 Jun 2025 11:21	Comp. #20 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW031733.D	30 Jun 2025 12:34		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW031734.D	30 Jun 2025 12:55		SY/MD	Ok,M
8	VIBLK	VIBLK	VW031735.D	30 Jun 2025 14:11		SY/MD	Ok
9	VSTDICV050	ICVVW063025	VW031736.D	30 Jun 2025 15:23		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW070925

Review By	Mahesh Dadoda	Review On	7/14/2025 7:37:29 AM
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:50:58 AM
SubDirectory	VW070925	HP Acquire Method	MSVOA_W
		HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134687
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134688,VP134689 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031766.D	09 Jul 2025 08:51		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW031767.D	09 Jul 2025 10:00		SY/MD	Ok,M
3	VW0709SBL01	VW0709SBL01	VW031768.D	09 Jul 2025 10:58		SY/MD	Ok
4	VW0709SBS01	VW0709SBS01	VW031769.D	09 Jul 2025 11:34	BS Failed High For Com.#20	SY/MD	Ok,M
5	VW0709SBSD01	VW0709SBSD01	VW031770.D	09 Jul 2025 11:56	BSD Failed High For Comp.#20	SY/MD	Ok,M
6	VW0709SBS02	VW0709SBS02	VW031771.D	09 Jul 2025 13:29	Not Required	SY/MD	Not Ok
7	Q2519-03	TP-15 VOC	VW031772.D	09 Jul 2025 13:51	vial-A	SY/MD	Ok
8	Q2527-01	AR520-0015	VW031773.D	09 Jul 2025 14:13	vial-A	SY/MD	Ok
9	Q2526-04	LAW-25-0102	VW031774.D	09 Jul 2025 14:34	vial-A	SY/MD	Ok
10	Q2514-06	TP-103	VW031775.D	09 Jul 2025 14:56	vial-B	SY/MD	Ok
11	Q2480-06	GPX6	VW031776.D	09 Jul 2025 15:18	Bad purge	SY/MD	Not Ok
12	Q2480-07	GPX7	VW031777.D	09 Jul 2025 15:40	vial-A Surrogate fail;Need MeOH	SY/MD	Dilution
13	Q2529-01	TP-91	VW031778.D	09 Jul 2025 16:02	vial-A	SY/MD	Ok
14	Q2529-02	TP-80	VW031779.D	09 Jul 2025 16:24	vial-A	SY/MD	Ok
15	Q2529-03	TP-79	VW031780.D	09 Jul 2025 16:46	vial-A	SY/MD	Ok
16	Q2529-04	TP-95	VW031781.D	09 Jul 2025 17:08	vial-A	SY/MD	Ok
17	Q2529-05	TP-98	VW031782.D	09 Jul 2025 17:30	vial-A BS,BSD Failed High	SY/MD	ReRun
18	Q2529-06	TP-102	VW031783.D	09 Jul 2025 17:52	vial-A BS,BSD Failed High	SY/MD	ReRun

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW070925

Review By	Maresh Dadoda	Review On	7/14/2025 7:37:29 AM
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:50:58 AM
SubDirectory	VW070925	HP Acquire Method	MSVOA_W HP Processing Method 82w063025s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134687		
CCC	VP134688,VP134689		
Internal Standard/PEM	VP133934		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2529-07	TP-101	VW031784.D	09 Jul 2025 18:14	vial-A BS,BSD Failed High	SY/MD	ReRun
20	Q2529-08	TP-89	VW031785.D	09 Jul 2025 18:36	vial-A BS,BSD Failed High	SY/MD	ReRun
21	Q2529-09	TP-33	VW031786.D	09 Jul 2025 18:57	vial-A BS,BSD Failed High	SY/MD	ReRun
22	Q2529-10	TP-30	VW031787.D	09 Jul 2025 19:19	vial-A BS,BSD Failed High	SY/MD	ReRun
23	VIBLK	VIBLK	VW031788.D	09 Jul 2025 20:25		SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VW031789.D	09 Jul 2025 20:46		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW071025

Review By	Mahesh Dadoda	Review On	7/14/2025 7:38:05 AM
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:52:00 AM
SubDirectory	VW071025	HP Acquire Method	MSVOA_W HP Processing Method 82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134704
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134705,VP134706 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031790.D	10 Jul 2025 08:16		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW031791.D	10 Jul 2025 08:47		SY/MD	Ok,M
3	VW0710SBL01	VW0710SBL01	VW031792.D	10 Jul 2025 10:15		SY/MD	Ok
4	VW0710SBS01	VW0710SBS01	VW031793.D	10 Jul 2025 11:05		SY/MD	Ok,M
5	VW0710SBSD01	VW0710SBSD01	VW031794.D	10 Jul 2025 11:33		SY/MD	Ok,M
6	Q2480-03RE	GPX3RE	VW031795.D	10 Jul 2025 12:19	vial-B Internal standard fail;Surrogate fail	SY/MD	Confirms
7	Q2480-04	GPX4	VW031796.D	10 Jul 2025 12:41	vial-B Need MeOH	SY/MD	Dilution
8	Q2480-06	GPX6	VW031797.D	10 Jul 2025 13:03	vial-B Surrogate fail;Need MeOH	SY/MD	Dilution
9	Q2529-05	TP-98	VW031798.D	10 Jul 2025 13:25	vial-B	SY/MD	Ok
10	Q2529-06	TP-102	VW031799.D	10 Jul 2025 13:47	vial-B	SY/MD	Ok
11	Q2529-07	TP-101	VW031800.D	10 Jul 2025 14:09	vial-B	SY/MD	Ok
12	Q2529-08	TP-89	VW031801.D	10 Jul 2025 14:30	vial-B	SY/MD	Ok
13	Q2529-09	TP-33	VW031802.D	10 Jul 2025 14:52	vial-B	SY/MD	Ok,M
14	Q2529-10	TP-30	VW031803.D	10 Jul 2025 15:14	vial-B	SY/MD	Ok
15	Q2555-01	OU4-TS-29-070925	VW031804.D	10 Jul 2025 15:36	vial-A	SY/MD	Ok
16	Q2555-03	OU4-TS-30-070925	VW031805.D	10 Jul 2025 15:58	vial-A	SY/MD	Ok
17	Q2539-01	HACKENSACK	VW031806.D	10 Jul 2025 16:20	vial-A	SY/MD	Ok

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW071025

Review By	Mahesh Dadoda	Review On	7/14/2025 7:38:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:52:00 AM		
SubDirectory	VW071025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134704			
CCC		VP134705,VP134706			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2550-02	VNJ-203	VW031807.D	10 Jul 2025 16:42	vial-A	SY/MD	Ok
19	Q2551-02	VNJ-204	VW031808.D	10 Jul 2025 17:04	vial-A	SY/MD	Ok
20	Q2543-01	TP-41	VW031809.D	10 Jul 2025 17:26	vial-A	SY/MD	Ok
21	Q2543-02	TP-49	VW031810.D	10 Jul 2025 17:48	vial-A	SY/MD	Ok
22	Q2543-03	TP-23	VW031811.D	10 Jul 2025 18:10	vial-A	SY/MD	Ok
23	Q2543-04	TP-23-99	VW031812.D	10 Jul 2025 18:32	vial-A	SY/MD	Ok
24	Q2558-01	OU4-TS-Denali-070925	VW031813.D	10 Jul 2025 18:53	vial-A	SY/MD	Ok
25	Q2558-03	OU4-TS-Grillo-OG-0709	VW031814.D	10 Jul 2025 19:15	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VW031815.D	10 Jul 2025 19:59		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX070225

Review By	John Carlone	Review On	7/3/2025 8:44:30 AM
Supervise By	Maresh Dadoda	Supervise On	7/3/2025 3:09:59 PM
SubDirectory	VX070225	HP Acquire Method	HP Processing Method 82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134642
Initial Calibration Stds	VP134633,VP134634,VP134635,VP134638,VP134639,VP134640
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134641
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046859.D	02 Jul 2025 11:12		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046860.D	02 Jul 2025 12:11		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX046861.D	02 Jul 2025 12:37	%D Failed for com.#13 in 5 ppb	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX046862.D	02 Jul 2025 13:18		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046863.D	02 Jul 2025 13:39	LR-13	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046864.D	02 Jul 2025 14:10		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046865.D	02 Jul 2025 14:31		JC/MD	Ok,M
8	VIBLK	VIBLK	VX046866.D	02 Jul 2025 14:53		JC/MD	Ok
9	VSTDICV050	ICVVX070225	VX046867.D	02 Jul 2025 15:14		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX071025

Review By	John Carlone	Review On	7/11/2025 8:53:41 AM
Supervise By	Maresh Dadoda	Supervise On	7/14/2025 7:47:20 AM
SubDirectory	VX071025	HP Acquire Method	HP Processing Method 82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134710
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134714,VP134715

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046932.D	10 Jul 2025 08:43		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046933.D	10 Jul 2025 09:54		JC/MD	Ok,M
3	VX0710MBL01	VX0710MBL01	VX046934.D	10 Jul 2025 10:22		JC/MD	Ok
4	VX0710WBL01	VX0710WBL01	VX046935.D	10 Jul 2025 11:44		JC/MD	Ok
5	VX0710WBS01	VX0710WBS01	VX046936.D	10 Jul 2025 12:10		JC/MD	Ok,M
6	VX0710WBSD01	VX0710WBSD01	VX046937.D	10 Jul 2025 12:35		JC/MD	Ok,M
7	IBLK	IBLK	VX046938.D	10 Jul 2025 12:57		JC/MD	Ok
8	Q2553-06	TB	VX046939.D	10 Jul 2025 13:18	vial A pH<2 TB	JC/MD	Ok
9	Q2553-05	FB	VX046940.D	10 Jul 2025 13:39	vial A pH<2 FB;Hit of com.#17	JC/MD	ReRun
10	Q2554-02	250709059-10 Trip blan	VX046941.D	10 Jul 2025 14:00	vial A pH#6.0 TB	JC/MD	Ok
11	Q2554-04	250709059-11 Trip blan	VX046942.D	10 Jul 2025 14:21	vial A pH#6.0 TB	JC/MD	Ok
12	Q2553-01	AOC-201	VX046943.D	10 Jul 2025 14:43	vial A pH<2	JC/MD	Ok,M
13	Q2553-02	AOC-202	VX046944.D	10 Jul 2025 15:04	vial A pH<2	JC/MD	Ok,M
14	Q2553-03	AOC-203	VX046945.D	10 Jul 2025 15:26	vial A pH<2	JC/MD	Ok,M
15	Q2553-04	AOC-205	VX046946.D	10 Jul 2025 15:47	vial A pH<2	JC/MD	Ok,M
16	PB168762TB	PB168762TB	VX046947.D	10 Jul 2025 16:08		JC/MD	Ok,M
17	Q2517-04	TP-14	VX046948.D	10 Jul 2025 16:30	vial A pH#5.0	JC/MD	Ok
18	Q2519-04	TP-15	VX046949.D	10 Jul 2025 16:51	vial A pH#5.0	JC/MD	Ok,M

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX071025

Review By	John Carlone	Review On	7/11/2025 8:53:41 AM
Supervise By	Maresh Dadoda	Supervise On	7/14/2025 7:47:20 AM
SubDirectory	VX071025	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134710		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134714,VP134715		

19	Q2554-03	250709104-01 VOA	VX046950.D	10 Jul 2025 17:12	vial A pH#6.0	JC/MD	Ok
20	Q2554-01	250709071-01 VOA	VX046951.D	10 Jul 2025 17:34	vial A pH#6.0 Need 5X. No more vials.	JC/MD	Ok,M
21	IBLK	IBLK	VX046952.D	10 Jul 2025 17:55		JC/MD	Ok
22	VX0710MBS01	VX0710MBS01	VX046953.D	10 Jul 2025 18:16	BS Failed Low for com.#05	JC/MD	Ok,M
23	VX0710MBSD01	VX0710MBSD01	VX046954.D	10 Jul 2025 18:37	BSD Failed Low for com.#05	JC/MD	Ok,M
24	Q2480-05	GPX5	VX046955.D	10 Jul 2025 18:59		JC/MD	Ok,M
25	Q2480-06ME	GPX6ME	VX046956.D	10 Jul 2025 19:20		JC/MD	Ok,M
26	Q2480-07ME	GPX7ME	VX046957.D	10 Jul 2025 19:41		JC/MD	Ok,M
27	Q2480-08	GPX8	VX046958.D	10 Jul 2025 20:02		JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX046959.D	10 Jul 2025 20:23		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX071425

Review By	Mahesh Dadoda	Review On	7/15/2025 4:54:26 AM
Supervise By	Semsettin Yesilyurt	Supervise On	7/15/2025 4:55:39 AM
SubDirectory	VX071425	HP Acquire Method	HP Processing Method 82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134751
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134752,VP134753

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046960.D	14 Jul 2025 08:10		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046961.D	14 Jul 2025 09:16		JC/MD	Ok,M
3	VX0714MBL01	VX0714MBL01	VX046962.D	14 Jul 2025 10:54		JC/MD	Ok
4	VX0714WBL01	VX0714WBL01	VX046963.D	14 Jul 2025 11:18		JC/MD	Ok
5	VX0714MBS01	VX0714MBS01	VX046964.D	14 Jul 2025 11:39		JC/MD	Ok,M
6	VX0714MBSD01	VX0714MBSD01	VX046965.D	14 Jul 2025 12:06		JC/MD	Ok,M
7	Q2480-04ME	GPX4ME	VX046966.D	14 Jul 2025 12:27		JC/MD	Ok
8	Q2480-02ME	GPX2ME	VX046967.D	14 Jul 2025 12:49		JC/MD	Ok,M
9	VX0714WBS01	VX0714WBS01	VX046968.D	14 Jul 2025 13:10		JC/MD	Ok,M
10	VX0714WBSD01	VX0714WBSD01	VX046969.D	14 Jul 2025 13:37		JC/MD	Ok,M
11	Q2523-01	MOO-25-0190	VX046970.D	14 Jul 2025 13:58	Need Soil Run	JC/MD	Not Ok
12	Q2526-02	LAW-25-0101	VX046971.D	14 Jul 2025 14:19	Need Soil Run	JC/MD	Not Ok
13	Q2565-03	MOO-25-0191	VX046972.D	14 Jul 2025 14:41	Need Soil Run	JC/MD	Not Ok
14	Q2565-04	MOO-25-0196	VX046973.D	14 Jul 2025 15:02	Need Soil Run	JC/MD	Not Ok
15	Q2565-05	MOO-25-0180	VX046974.D	14 Jul 2025 15:23	Need Soil Run	JC/MD	Not Ok
16	IBLK	IBLK	VX046975.D	14 Jul 2025 15:45		JC/MD	Ok
17	Q2578-01	WC-A5-01-G	VX046976.D	14 Jul 2025 16:06	Surrogate fail	JC/MD	ReRun
18	Q2578-05	WC-A2-09-G	VX046977.D	14 Jul 2025 16:28	Surrogate fail	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX071425

Review By	Maresh Dadoda	Review On	7/15/2025 4:54:26 AM
Supervise By	Semsettin Yesilyurt	Supervise On	7/15/2025 4:55:39 AM
SubDirectory	VX071425	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134751		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134752,VP134753		

19	Q2578-09	WC-A2-10-G	VX046978.D	14 Jul 2025 16:49	Surrogate fail	JC/MD	ReRun
20	Q2578-13	WC-A2-11-G	VX046979.D	14 Jul 2025 17:10	Surrogate fail	JC/MD	ReRun
21	Q2578-17	WC-A2-12-G	VX046980.D	14 Jul 2025 17:31	Surrogate fail	JC/MD	ReRun
22	Q2579-01	WC-A2-13-G	VX046981.D	14 Jul 2025 17:53	Surrogate fail	JC/MD	ReRun
23	Q2579-05	WC-A2-14-G	VX046982.D	14 Jul 2025 18:14	Surrogate fail	JC/MD	ReRun
24	IBLK	IBLK	VX046983.D	14 Jul 2025 18:35		JC/MD	Ok
25	Q2553-05	FB	VX046984.D	14 Jul 2025 18:56	FB	JC/MD	Ok
26	Q2595-01	CHRT-24849	VX046985.D	14 Jul 2025 19:17	Need Soil Run	JC/MD	Not Ok
27	VSTDCCC050	VSTDCCC050EC	VX046986.D	14 Jul 2025 19:38		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134461			
Initial Calibration Stds		VP134462,VP134463,VP134464,VP134465,VP134466,VP134467			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134468			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022775.D	23 Jun 2025 10:17		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022776.D	23 Jun 2025 13:38	LR- 58	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022777.D	23 Jun 2025 14:00		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022778.D	23 Jun 2025 14:23		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022779.D	23 Jun 2025 14:46		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022780.D	23 Jun 2025 15:08		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022781.D	23 Jun 2025 15:31		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022782.D	23 Jun 2025 15:54		SY/MD	Ok
9	VSTDICV050	ICVVY062325	VY022783.D	23 Jun 2025 16:17		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY070725

Review By	Mahesh Dadoda	Review On	7/8/2025 3:35:09 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/8/2025 3:38:12 PM
SubDirectory	VY070725	HP Acquire Method	MSVOA_Y HP Processing Method 82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134656
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134657,VP134658 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022945.D	07 Jul 2025 08:36		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022946.D	07 Jul 2025 09:08		SY/MD	Ok,M
3	VY0707SBL01	VY0707SBL01	VY022947.D	07 Jul 2025 09:44		SY/MD	Ok
4	VY0707SBS01	VY0707SBS01	VY022948.D	07 Jul 2025 10:17	BS Failed High for com.#20	SY/MD	Ok,M
5	VY0707SBSD01	VY0707SBSD01	VY022949.D	07 Jul 2025 10:40	BSD Failed High for com.#20	SY/MD	Ok,M
6	Q2507-03	SU-04-07032025-VOC	VY022950.D	07 Jul 2025 11:18	vial-A Internal Standard Fail	SY/MD	ReRun
7	Q2513-01	HR-2-070325	VY022951.D	07 Jul 2025 11:41	vial-A	SY/MD	Ok
8	Q2513-03	HR-3-070325	VY022952.D	07 Jul 2025 12:04	vial-A	SY/MD	Ok
9	Q2504-02	VOC	VY022953.D	07 Jul 2025 12:28	vial-A Internal Standard Fail;BS,BSD Failed High	SY/MD	ReRun
10	Q2515-01	WC-1	VY022954.D	07 Jul 2025 12:51	vial-A	SY/MD	Ok,M
11	Q2487-07RE	G1(4.5)RE	VY022955.D	07 Jul 2025 13:15	vial-B Internal standard fail	SY/MD	Confirms
12	Q2487-08	G1(10)	VY022956.D	07 Jul 2025 13:38	vial-A	SY/MD	Ok
13	Q2510-02	#63025-A-VOC	VY022957.D	07 Jul 2025 14:02	vial-A	SY/MD	Ok,M
14	Q2484-01	TP-58	VY022958.D	07 Jul 2025 14:25	vial-A	SY/MD	Ok
15	Q2484-02	TP-57	VY022959.D	07 Jul 2025 14:48	vial-A	SY/MD	Ok
16	Q2484-03	TP-64	VY022960.D	07 Jul 2025 15:12	vial-A	SY/MD	Ok
17	Q2484-04	TP-107	VY022961.D	07 Jul 2025 15:35	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY070725

Review By	Mahesh Dadoda	Review On	7/8/2025 3:35:09 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/8/2025 3:38:12 PM		
SubDirectory	VY070725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP134656				
CCC	VP134657,VP134658				
Internal Standard/PEM	VP133934				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2484-05	TP-106	VY022962.D	07 Jul 2025 15:59	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
19	Q2484-06	TP-104	VY022963.D	07 Jul 2025 16:22	vial-A	SY/MD	Ok
20	Q2514-01	TP-92	VY022964.D	07 Jul 2025 16:45	vial-A	SY/MD	Ok
21	Q2514-02	TP-93	VY022965.D	07 Jul 2025 17:09	vial-A	SY/MD	Ok
22	Q2480-01	GPX1	VY022966.D	07 Jul 2025 17:32	vial-A	SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY070825

Review By	Maresh Dadoda	Review On	7/9/2025 4:21:01 PM
Supervise By	Semsettin Yesilyurt	Supervise On	7/9/2025 4:22:56 PM
SubDirectory	VY070825	HP Acquire Method	MSVOA_Y HP Processing Method 82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134673
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134675,VP134676 VP133934

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022967.D	08 Jul 2025 08:30		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022968.D	08 Jul 2025 11:15		SY/MD	Ok,M
3	VY0708SBL01	VY0708SBL01	VY022969.D	08 Jul 2025 11:44		SY/MD	Ok
4	VY0708SBS01	VY0708SBS01	VY022970.D	08 Jul 2025 12:12	BS Failed High for com.#20	SY/MD	Ok,M
5	VY0708SBSD01	VY0708SBSD01	VY022971.D	08 Jul 2025 12:35	BSD Failed High for com.#20	SY/MD	Ok,M
6	Q2507-03	SU-04-07032025-VOC	VY022972.D	08 Jul 2025 13:43	vial-B	SY/MD	Ok
7	Q2504-02RE	VOCRE	VY022973.D	08 Jul 2025 14:16	vial-B Internal Standard Fail;BS,BSD Failed High	SY/MD	Confirms
8	Q2484-05	TP-106	VY022974.D	08 Jul 2025 14:40	vial-B	SY/MD	Ok
9	Q2514-03	TP-94	VY022975.D	08 Jul 2025 15:03	vial-A	SY/MD	Ok
10	Q2514-04	TP-96	VY022976.D	08 Jul 2025 15:26	vial-A	SY/MD	Ok
11	Q2514-05	TP-97	VY022977.D	08 Jul 2025 15:50	vial-A	SY/MD	Ok
12	Q2514-06	TP-103	VY022978.D	08 Jul 2025 16:13	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
13	Q2514-07	TP-36	VY022979.D	08 Jul 2025 16:37	vial-A	SY/MD	Ok
14	Q2514-08	TP-78	VY022980.D	08 Jul 2025 17:00	vial-A	SY/MD	Ok
15	Q2514-09	TP-81	VY022981.D	08 Jul 2025 17:23	vial-A	SY/MD	Ok
16	Q2514-10	TP-90	VY022982.D	08 Jul 2025 17:47	vial-A	SY/MD	Ok
17	Q2480-02	GPX2	VY022983.D	08 Jul 2025 18:10	vial-A Need MeOH;Surrogate Fail;BS,BSD Failed High	SY/MD	Dilution

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY070825

Review By	Mahesh Dadoda	Review On	7/9/2025 4:21:01 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/9/2025 4:22:56 PM		
SubDirectory	VY070825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP134673				
CCC	VP134675,VP134676				
Internal Standard/PEM	VP133934				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2480-03	GPX3	VY022984.D	08 Jul 2025 18:34	vial-A BS,BSD Failed High	SY/MD	ReRun
19	Q2480-04	GPX4	VY022985.D	08 Jul 2025 18:57	vial-A Internal Standard Fail;BS,BSD Failed High	SY/MD	ReRun
20	Q2517-03	TP-14-VOC	VY022986.D	08 Jul 2025 19:21	vial-A	SY/MD	Ok
21	VIBLK	VIBLK	VY022987.D	08 Jul 2025 19:44		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY022988.D	08 Jul 2025 20:07		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2480-01	GPX1	1	1.15	10.52	11.67	10.44	88.3	
Q2480-02	GPX2	2	1.19	10.60	11.79	10.66	89.3	
Q2480-03	GPX3	3	1.15	10.84	11.99	10.77	88.7	
Q2480-04	GPX4	4	1.13	10.84	11.97	10.66	87.9	
Q2480-05	GPX5	5	1.13	10.53	11.66	10.55	89.5	
Q2480-06	GPX6	6	1.17	10.56	11.73	10.35	86.9	
Q2480-07	GPX7	7	1.18	10.59	11.77	10.48	87.8	
Q2480-08	GPX8	8	1.18	10.37	11.55	10.22	87.2	
Q2484-01	TP-58	9	1.19	10.77	11.96	10.47	86.2	
Q2484-02	TP-57	10	1.18	10.22	11.4	9.97	86.0	
Q2484-03	TP-64	11	1.16	10.50	11.66	10.44	88.4	
Q2484-04	TP-107	12	1.13	10.69	11.82	10.09	83.8	
Q2484-05	TP-1006	13	1.14	10.48	11.62	10.35	87.9	
Q2484-06	TP-104	14	1.15	10.29	11.44	10.13	87.3	
Q2486-01	WASTE	15	1.16	10.31	11.47	9.77	83.5	
Q2486-02	VOC	16	1.18	11.32	12.5	10.65	83.7	
Q2486-03	1	17	1.15	10.80	11.95	10.24	84.2	
Q2486-04	2	18	1.13	10.46	11.59	9.74	82.3	
Q2486-05	3	19	1.13	10.78	11.91	10.12	83.4	
Q2486-06	4	20	1.19	10.00	11.19	9.65	84.6	
Q2486-07	5	21	1.19	10.26	11.45	8.79	74.1	
Q2491-01	EO-1-070225	22	1.19	10.51	11.7	10.9	92.4	
Q2491-02	EO-1-070225-E2	23	1.15	10.14	11.29	10.5	92.2	
Q2492-01	VNJ-254-1	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2492-02	VNJ-254-2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2493-01	WC-11	26	1.13	10.45	11.58	10.4	88.7	
Q2493-02	WC-11-EPH	27	1.19	10.23	11.42	9.72	83.4	
Q2493-03	WC-11-VOC	28	1.14	9.89	11.03	10.2	91.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

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OvenID: M OVEN#1

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Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q2494-01	Playhouse/Storag	35	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2494-02	Playhouse/Storag	36	1.00	1.00	2.00	2.00	100.0	chair form
Q2494-03	Garage Seat Foa	37	1.00	1.00	2.00	2.00	100.0	seat form
Q2494-04	Black foam in Sou	38	1.00	1.00	2.00	2.00	100.0	black form
Q2494-05	Kids Room styof	39	1.00	1.00	2.00	2.00	100.0	yellow form
Q2494-06	Kids Room Lower	40	1.00	1.00	2.00	2.00	100.0	form
Q2494-07	Kids Room styof	41	1.00	1.00	2.00	2.00	100.0	styra form
Q2494-08	Dog Beg Foam	42	1.00	1.00	2.00	2.00	100.0	bag form
Q2494-09	Cotton Layer - Ott	43	1.00	1.00	2.00	2.00	100.0	cotton layer
Q2494-10	Foam Ottoman	44	1.00	1.00	2.00	2.00	100.0	form ottoman
Q2494-11	Foyer North Wall	45	1.00	1.00	2.00	2.00	100.0	foyer north wall plug
Q2494-12	NE Stucco Exterio	46	1.00	1.00	2.00	2.00	100.0	stucco exterior
Q2494-13	Master Mattress	47	1.00	1.00	2.00	2.00	100.0	mattress
Q2495-01	Chair Foam Parke	48	1.00	1.00	2.00	2.00	100.0	chair form
Q2495-02	SE Bedroom (3rd	49	1.00	1.00	2.00	2.00	100.0	mattress
Q2495-03	E Bedroom Ceilin	50	1.00	1.00	2.00	2.00	100.0	ceiling plug
Q2495-04	South East Ceilining	51	1.00	1.00	2.00	2.00	100.0	east selling plug
Q2495-05	Master Bathroom	52	1.00	1.00	2.00	2.00	100.0	selling plug
Q2495-06	3rd Fl Hallway N	53	1.00	1.00	2.00	2.00	100.0	hoalway selling
Q2495-07	SE Bedroom Park	54	1.00	1.00	2.00	2.00	100.0	bedrom plug
Q2495-08	Family Room SW	55	1.00	1.00	2.00	2.00	100.0	family plug
Q2495-09	Foyer SE Corner P	56	1.00	1.00	2.00	2.00	100.0	foyer plug
Q2495-10	Green Carpet Pad	57	1.00	1.00	2.00	2.00	100.0	green carpet pad
Q2495-11	Rug in Dining Roo	58	1.00	1.00	2.00	2.00	100.0	rug
Q2495-12	LR Couch Cushion	59	1.00	1.00	2.00	2.00	100.0	couch cushion
Q2495-13	Dining Room W	60	1.00	1.00	2.00	2.00	100.0	wood and foam
Q2495-14	Kitchen Dining E	61	1.00	1.00	2.00	2.00	100.0	kithean rug
Q2495-15	Garage Southwes	62	1.00	1.00	2.00	2.00	100.0	plug

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

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OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
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Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2495-16	Zack"s Matterss	63	1.00	1.00	2.00	2.00	100.0	mattess
Q2495-17	Zack"s Couch	64	1.00	1.00	2.00	2.00	100.0	zacks couch
Q2496-02	N exterior center	65	1.00	1.00	2.00	2.00	100.0	stucco wall
Q2496-03	Basement south	66	1.00	1.00	2.00	2.00	100.0	wall cavity stucc
Q2496-04	Entertainment ro	67	1.00	1.00	2.00	2.00	100.0	hvac close
Q2496-05	Black mat outside	68	1.00	1.00	2.00	2.00	100.0	outside mat
Q2496-06	Basement bedroom	69	1.00	1.00	2.00	2.00	100.0	bedrom form
Q2496-07	Basement bedroom-1	70	1.00	1.00	2.00	2.00	100.0	window plug
Q2496-08	Basement bedroom-2	71	1.00	1.00	2.00	2.00	100.0	window plug
Q2496-09	Maeve"s room ma	72	1.00	1.00	2.00	2.00	100.0	mattess
Q2496-10	Master bedroom	73	1.00	1.00	2.00	2.00	100.0	rug
Q2496-11	Master bedroom-1	74	1.00	1.00	2.00	2.00	100.0	chair form
Q2496-12	Master bedroom-2	75	1.00	1.00	2.00	2.00	100.0	mattess form
Q2496-13	Master bedroom-3	76	1.00	1.00	2.00	2.00	100.0	office chair form
Q2496-14	SE bedroom brow	77	1.00	1.00	2.00	2.00	100.0	form
Q2496-15	SE bedroom gray	78	1.00	1.00	2.00	2.00	100.0	gray cushion
Q2496-16	Maeves room gre	79	1.00	1.00	2.00	2.00	100.0	chair form
Q2496-17	Master bedroom-4	80	1.00	1.00	2.00	2.00	100.0	plug
Q2496-18	3rd floor roof ent	81	1.00	1.00	2.00	2.00	100.0	plug
Q2496-19	Living room couc	82	1.00	1.00	2.00	2.00	100.0	couch form
Q2496-20	Living room 2 sea	83	1.00	1.00	2.00	2.00	100.0	form
Q2496-21	Office leather cha	84	1.00	1.00	2.00	2.00	100.0	form
Q2496-22	Pink shoe sole	85	1.00	1.00	2.00	2.00	100.0	shoe sole
Q2496-23	Living room rug S	86	1.00	1.00	2.00	2.00	100.0	rug
Q2496-24	Dining room NE c	87	1.00	1.00	2.00	2.00	100.0	plug
Q2497-01	SW bedroom (San	88	1.00	1.00	2.00	2.00	100.0	plug
Q2497-02	Salman s room SE	89	1.00	1.00	2.00	2.00	100.0	plug compossi
Q2497-03	Sanah s room bed	90	1.00	1.00	2.00	2.00	100.0	sanah form

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

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Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
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Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q2497-04	Salman s room m	91	1.00	1.00	2.00	2.00	100.0	mattess form
Q2497-05	Master bed mattr	92	1.00	1.00	2.00	2.00	100.0	mattess
Q2497-06	Kaihaan s room m	93	1.00	1.00	2.00	2.00	100.0	form
Q2497-07	Garage foam yog	94	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-08	Living room west	95	1.00	1.00	2.00	2.00	100.0	form
Q2497-09	Entrance rug	96	1.00	1.00	2.00	2.00	100.0	rug
Q2497-10	south exterior re	97	1.00	1.00	2.00	2.00	100.0	form
Q2497-11	Garage gym floor	98	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-12	Rug by the back d	99	1.00	1.00	2.00	2.00	100.0	rug
Q2497-13	Guest bed mattre	100	1.00	1.00	2.00	2.00	100.0	mattess
Q2497-14	Garage backyard	101	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-15	LR SW conner chai	102	1.00	1.00	2.00	2.00	100.0	form
Q2497-16	Living room NE co	103	1.00	1.00	2.00	2.00	100.0	catters
Q2497-17	Dining room SW c	104	1.00	1.00	2.00	2.00	100.0	chair form
Q2497-18	LR SW rug corner	105	1.00	1.00	2.00	2.00	100.0	rug
Q2497-19	LR west wall plug	106	1.00	1.00	2.00	2.00	100.0	plug
Q2497-20	LR NE corner plug	107	1.00	1.00	2.00	2.00	100.0	plug
Q2497-21	office east wall pl	108	1.00	1.00	2.00	2.00	100.0	plug
Q2497-22	Bedroom north w	109	1.00	1.00	2.00	2.00	100.0	plug
Q2497-23	Kitchen ceiling pl	110	1.00	1.00	2.00	2.00	100.0	celling plug
Q2498-01	NE Bd bed foam	111	1.00	1.00	2.00	2.00	100.0	bedrom form
Q2498-02	NE Bd pillow foa	112	1.00	1.00	2.00	2.00	100.0	form
Q2498-03	Master bed NE m	113	1.00	1.00	2.00	2.00	100.0	mattess
Q2500-01	X600-B2	29	1.15	10.84	11.99	11.24	93.1	
Q2500-02	X600-S2	30	1.19	10.36	11.55	10.6	90.8	
Q2500-03	X600-B1	31	1.13	10.42	11.55	11.02	94.9	
Q2500-04	X600-S1	32	1.13	10.32	11.45	10.6	91.8	
Q2500-05	X600-DUP1	33	1.14	10.85	11.99	11.3	93.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
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Weight Check 1.0g: 1.00
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Weight Check 1.0g: 1.00
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BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q2500-06	X600-S3	34	1.11	10.71	11.82	11.18	94.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2480-01	GPX1	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	06/30/2025	Chemtech -SO
Q2480-02	GPX2	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	06/30/2025	Chemtech -SO
Q2480-03	GPX3	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-04	GPX4	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-05	GPX5	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-06	GPX6	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-07	GPX7	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-08	GPX8	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2484-01	TP-58	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-02	TP-57	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-03	TP-64	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-04	TP-107	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-05	TP-1008	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-06	TP-104	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2486-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO

Date/Time 07/02/25 15:00

Raw Sample Received by: 8690C

Raw Sample Relinquished by: 8690C

Date/Time 07/02/25

Raw Sample Received by: 8690C

Raw Sample Relinquished by: 8690C

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2491-01	EO-1-070225	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2491-02	EO-1-070225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2492-01	VNJ-254-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2492-02	VNJ-254-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2493-01	WC-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2493-02	WC-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2493-03	WC-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2494-01	Playhouse/Storage	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-02	Playhouse/Storage	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-03	Garage Seat Foa	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-04	Black foam in Sou	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-05	Kids Room styof	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-06	Kids Room Lower	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-07	Kids Room styof	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-08	Dog Beg Foam	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-09	Cotton Layer - Ott	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-10	Foam Ottoman	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-11	Foyer North Wall	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-12	NE Stucco Exterio	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-13	Master Mattress	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2495-01	Chair Foam Parke	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:13
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2495-02	SE Bedroom (3rd	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-03	E Bedroom Ceilin	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-04	South East Ceiling	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-05	Master Bathroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-06	3rd Fl Hallway N	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-07	SE Bedroom Park	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-08	Family Room SW	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-09	Foyer SE Corner P	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-10	Green Carpet Pad	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-11	Rug in Dining Roo	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-12	LR Couch Cushion	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-13	Dining Room W	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-14	Kitchen Dining E	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-15	Garage Southwes	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-16	Zack's Matterss	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-17	Zack's Couch	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2496-02	N exterior center	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2496-03	Basement south	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-04	Entertainment ro	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-05	Black mat outside	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-06	Basement bedroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO

Date/Time 07/02/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

17136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2496-07	Basement bedroom-1	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-08	Basement bedroom-2	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-09	Maeve's room ma	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-10	Master bedroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-11	Master bedroom-1	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-12	Master bedroom-2	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-13	Master bedroom-3	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-14	SE bedroom brow	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-15	SE bedroom gray	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-16	Maeves room gre	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-17	Master bedroom-4	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-18	3rd floor roof ent	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-19	Living room couc	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-20	Living room 2 sea	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-21	Office leather cha	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-22	Pink shoe sole	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-23	Living room rug S	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-24	Dining room NE c	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2497-01	SW bedroom (San	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2497-02	Salman s room SE	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-03	Sanah s room bed	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

NR136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2497-04	Salman s room m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-05	Master bed matr	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-06	Kaihaan s room m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-07	Garage foam yog	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-08	Living room west	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-09	Entrance rug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-10	south exterior re	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-11	Garage gym floor	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-12	Rug by the back d	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-13	Guest bed matre	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-14	Garage backyard	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-15	LR SW conner chai	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-16	Living room NE co	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-17	Dining room SW c	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-18	LR SW rug corner	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-19	LR west wall plug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-20	LR NE corner plug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-21	office east wall pl	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-22	Bedroom north w	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-23	Kitchen ceiling pl	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2498-01	NE Bd bed foam	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: SR WWC
 Raw Sample Relinquished by: [Signature] SH

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature] SH
 Raw Sample Relinquished by: SR WWC

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2498-02	NE Bd pillow foa	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO
Q2498-03	Master bed NE m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO
Q2500-01	X600-B2	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-02	X600-S2	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-03	X600-B1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-04	X600-S1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-05	X600-DUP1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-06	X600-S3	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:
COMPANY: **Geopline**
ADDRESS: **8 CARRIAGE**
CITY: **Succasunna** STATE: **NJ** ZIP: **07876**
ATTENTION:
PHONE:
FAX:

PROJECT NAME: **Lexington**
PROJECT NO.: LOCATION:
PROJECT MANAGER: **GL**
e-mail:
PHONE: FAX:

BILL TO: **Geopline** PO#: **8 CARRIAGE**
ADDRESS: **8 CARRIAGE**
CITY: **Succasunna** STATE: **NJ** ZIP: **07876**
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) **STANDARD** DAYS*
HARDCOPY (DATA PACKAGE): **STANDARD** DAYS*
EDD: **STANDARD** DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other **STANDARD**
☒ EDD FORMAT **10/25/25**

TCUB+15
EPH-Cat 2

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	GPX1	Soil		X	6/30/25	1053	4	X		X							
2.	GPX2				6/30/25	1246		X		X							
3.	GPX3				7/1/25	1040		X		X							
4.	GPX4					1053		X		X							
5.	GPX5					1415		X		X							
6.	GPX6					1420	4	X		X							
7.	GPX7	Soil	X		7/1/25	1425	4	X		X							
8.	GPX8	Soil	X		7/1/25	1430	4	X		X							
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 7/1/25 1525	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments: ILG #1
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3. [Signature]	Page 1 of 1 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2480	GENV01	Order Date : 7/1/2025 3:54:51 PM	Project Mgr :
Client Name : G Environmental		Project Name : Lexington	Report Type : NJ Reduced
Client Contact : Gary Landis		Receive DateTime : 7/1/2025 3:25:00 PM	EDD Type : Excel NJ
Invoice Name : G Environmental		Purchase Order :	Hard Copy Date :
Invoice Contact : Gary Landis			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2480-01	GPX1	Solid	06/30/2025	10:53	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2480-02	GPX2	Solid	06/30/2025	12:46	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2480-03	GPX3	Solid	07/01/2025	10:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2480-04	GPX4	Solid	07/01/2025	10:53	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2480-05	GPX5	Solid	07/01/2025	14:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2480-06	GPX6	Solid	07/01/2025	14:20	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2480-07	GPX7	Solid	07/01/2025	14:25	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2480-08	GPX8	Solid	07/01/2025	14:30	VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2480	GENV01	Order Date : 7/1/2025 3:54:51 PM	Project Mgr :
Client Name : G Environmental		Project Name : Lexington	Report Type : NJ Reduced
Client Contact : Gary Landis		Receive DateTime : 7/1/2025 3:25:00 PM	EDD Type : Excel NJ
Invoice Name : G Environmental		Purchase Order :	Hard Copy Date :
Invoice Contact : Gary Landis			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By :

Date / Time :

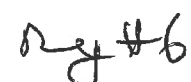

7/2/25 0850

Received By :

Date / Time :


07/02/25 08:50

Storage Area : VOA Refridgerator Room


IEZ