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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : PIT

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q3173

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q3173

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q3173

Project ID : Pit

Client : G Environmental

Lab Sample Number	Client Sample Number
Q3173-01	OBS1
Q3173-02	Field Blank

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: 10/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Pit
Project # N/A
Order ID # Q3173
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
2 Water samples were received on 09/23/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_V were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The RPD for {VV0924WBSD02} with File ID: VV039165.D met criteria except for Acetone[32%], Bromomethane[34%] due to difference in results of BS and BSD.

The Blank Spike for {VV0924WBS02} with File ID: VV039150.D met requirements for all compounds except for 4-Methyl-2-Pentanone[120%] is failing high but no positive hit in associate sample therefore no corrective action taken.

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

The %RSD is greater than 20% in the Initial Calibration method (82V092225W.M) for 2-Hexanone passing on Linear regression and Chloroethane, Acetone ,Methylene Chloride, Styrene are passing on Quadtratic Regression.

The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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E. Additional Comments:
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.

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_____

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

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 is 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3173

	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 Castody	✓
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: MAHESH PATEL **Date:** 10/01/2025

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Hit Summary Sheet
SW-846

SDG No.: Q3173

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**OBS1**								
Q3173-01	OBS1	Water	Carbon Disulfide		0.53	J	0.21	1.00	ug/L
Q3173-01	OBS1	Water	Benzene		40.5		0.15	1.00	ug/L
Q3173-01	OBS1	Water	Toluene		1.30		0.14	1.00	ug/L
Q3173-01	OBS1	Water	Tetrachloroethene		0.27	J	0.23	1.00	ug/L
Q3173-01	OBS1	Water	m/p-Xylenes		3.00		0.24	2.00	ug/L
Q3173-01	OBS1	Water	o-Xylene		0.52	J	0.12	1.00	ug/L
			Total Voc :		46.1				
Q3173-01	OBS1	Water	Butane, 2-methyl-	*	94.9	J	0	0	ug/L
Q3173-01	OBS1	Water	Butane, 2,3-dimethyl-	*	47.1	J	0	0	ug/L
Q3173-01	OBS1	Water	Pentane, 3-methyl-	*	54.7	J	0	0	ug/L
Q3173-01	OBS1	Water	Benzene, 1,2,3,4-tetramethyl-	*	10.4	J	0	0	ug/L
Q3173-01	OBS1	Water	Indane	*	19.0	J	0	0	ug/L
Q3173-01	OBS1	Water	Pentane, 2,3-dimethyl-	*	25.3	J	0	0	ug/L
Q3173-01	OBS1	Water	Pentane, 2,3,4-trimethyl-	*	14.1	J	0	0	ug/L
Q3173-01	OBS1	Water	Cyclohexane	*	5.70	J	1.50	5.00	ug/L
Q3173-01	OBS1	Water	Methylcyclohexane	*	3.70	J	0.16	1.00	ug/L
Q3173-01	OBS1	Water	Isopropylbenzene	*	8.10	J	0.12	1.00	ug/L
Q3173-01	OBS1	Water	n-propylbenzene	*	8.00	J	0.13	1.00	ug/L
Q3173-01	OBS1	Water	1,3,5-Trimethylbenzene	*	0.43	J	0.15	1.00	ug/L
Q3173-01	OBS1	Water	sec-Butylbenzene	*	1.60	J	0.13	1.00	ug/L
Q3173-01	OBS1	Water	n-Butylbenzene	*	0.61	J	0.15	1.00	ug/L
Q3173-01	OBS1	Water	Naphthalene	*	2.60	J	0.20	1.00	ug/L
Q3173-01	OBS1	Water	Diisopropyl ether	*	1.20	J	0.15	1.00	ug/L
			Total Tics :		297				
			Total Concentration:		344				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental		Date Collected:	09/23/25	
Project:	Pit		Date Received:	09/23/25	
Client Sample ID:	OBS1		SDG No.:	Q3173	
Lab Sample ID:	Q3173-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039152.D	1	09/24/25 15:08	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.53	J	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	40.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	UQ	0.68	5.00	ug/L
108-88-3	Toluene	1.30		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.27	J	0.23	1.00	ug/L

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Report of Analysis

Client:	G Environmental		Date Collected:	09/23/25	
Project:	Pit		Date Received:	09/23/25	
Client Sample ID:	OBS1		SDG No.:	Q3173	
Lab Sample ID:	Q3173-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039152.D	1	09/24/25 15:08	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	3.00		0.24	2.00	ug/L
95-47-6	o-Xylene	0.52	J	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	47.5		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	484000	4.6			
540-36-3	1,4-Difluorobenzene	891000	5.535			
3114-55-4	Chlorobenzene-d5	856000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	408000	11.175			
TENTATIVE IDENTIFIED COMPOUNDS						
000078-78-4	Butane, 2-methyl-	94.9	J		1.61	ug/L
000079-29-8	Butane, 2,3-dimethyl-	47.1	J		2.45	ug/L
000096-14-0	Pentane, 3-methyl-	54.7	J		2.71	ug/L
108-20-3	Diisopropyl ether	1.20	J		3.22	ug/L
110-82-7	Cyclohexane	5.70	J		4.58	ug/L
000565-59-3	Pentane, 2,3-dimethyl-	25.3	J		4.67	ug/L
108-87-2	Methylcyclohexane	3.70	J		6.05	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	14.1	J		6.57	ug/L
98-82-8	Isopropylbenzene	8.10	J		9.86	ug/L
103-65-1	n-propylbenzene	8.00	J		10.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.43	J		10.5	ug/L
135-98-8	sec-Butylbenzene	1.60	J		11.0	ug/L
000496-11-7	Indane	19.0	J		11.5	ug/L
104-51-8	n-Butylbenzene	0.61	J		11.6	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	09/23/25
Project:	Pit	Date Received:	09/23/25
Client Sample ID:	OBS1	SDG No.:	Q3173
Lab Sample ID:	Q3173-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039152.D	1	09/24/25 15:08	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	10.4	J		12.3	ug/L
91-20-3	Naphthalene	2.60	J		13.4	ug/L

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

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Report of Analysis

Client:	G Environmental	Date Collected:	09/23/25
Project:	Pit	Date Received:	09/23/25
Client Sample ID:	Field Blank	SDG No.:	Q3173
Lab Sample ID:	Q3173-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039151.D	1	09/24/25 14:46	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	UQ	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	09/23/25
Project:	Pit	Date Received:	09/23/25
Client Sample ID:	Field Blank	SDG No.:	Q3173
Lab Sample ID:	Q3173-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039151.D	1	09/24/25 14:46	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.9		74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	43.7		86 - 113	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		77 - 121	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	552000	4.6			
540-36-3	1,4-Difluorobenzene	1030000	5.532			
3114-55-4	Chlorobenzene-d5	962000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	435000	11.172			

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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3173

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3173-01	OBS1	1,2-Dichloroethane-d4	50	55.4	111		74	125
		Dibromofluoromethane	50	48.8	98		75	124
		Toluene-d8	50	47.5	95		86	113
		4-Bromofluorobenzene	50	51.6	103		77	121
Q3173-02	Field Blank	1,2-Dichloroethane-d4	50	57.9	116		74	125
		Dibromofluoromethane	50	50.6	101		75	124
		Toluene-d8	50	43.6	87		86	113
		4-Bromofluorobenzene	50	44.6	89		77	121
VV0924WBL01	VV0924WBL01	1,2-Dichloroethane-d4	50	62.2	124		74	125
		Dibromofluoromethane	50	54.6	109		75	124
		Toluene-d8	50	44.1	88		86	113
		4-Bromofluorobenzene	50	48.0	96		77	121
VV0924WBS02	VV0924WBS02	1,2-Dichloroethane-d4	50	49.0	98		74	125
		Dibromofluoromethane	50	50.0	100		75	124
		Toluene-d8	50	49.5	99		86	113
		4-Bromofluorobenzene	50	52.0	104		77	121
VV0924WBSD0	VV0924WBSD02	1,2-Dichloroethane-d4	50	49.5	99		74	125
		Dibromofluoromethane	50	50.1	100		75	124
		Toluene-d8	50	50.7	101		86	113
		4-Bromofluorobenzene	50	55.0	110		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3173**	**Analytical Method:**	**SW8260-Low**
Client:	**G Environmental**	**Datafile :**	VV039150.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV0924WBS02	Chloromethane	20	19.1	ug/L	96			65	116	
	Vinyl chloride	20	19.4	ug/L	97			65	117	
	Bromomethane	20	20.9	ug/L	104			58	125	
	Chloroethane	20	21.1	ug/L	106			56	128	
	Tert butyl alcohol	100	110	ug/L	110			48	142	
	1,1-Dichloroethene	20	20.0	ug/L	100			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	19.6	ug/L	98			64	112	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			78	114	
	Methylene Chloride	20	22.7	ug/L	114			72	114	
	trans-1,2-Dichloroethene	20	19.7	ug/L	99			75	108	
	1,1-Dichloroethane	20	19.6	ug/L	98			78	112	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	19.7	ug/L	99			77	113	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			77	110	
	Chloroform	20	19.9	ug/L	100			79	113	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			80	108	
	Benzene	20	20.1	ug/L	101			82	109	
	1,2-Dichloroethane	20	20.7	ug/L	104			80	115	
	Trichloroethene	20	20.3	ug/L	102			77	113	
	1,2-Dichloropropane	20	20.9	ug/L	104			83	111	
	Bromodichloromethane	20	20.6	ug/L	103			83	110	
	4-Methyl-2-Pentanone	100	120	ug/L	120		*	74	118	
	Toluene	20	21.8	ug/L	109			82	110	
	t-1,3-Dichloropropene	20	21.6	ug/L	108			79	110	
	cis-1,3-Dichloropropene	20	21.5	ug/L	108			82	110	
	1,1,2-Trichloroethane	20	21.0	ug/L	105			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	20.5	ug/L	103			82	110	
	Tetrachloroethene	20	20.2	ug/L	101			67	123	
	Chlorobenzene	20	19.8	ug/L	99			82	109	
	Ethyl Benzene	20	19.9	ug/L	100			83	109	
	m/p-Xylenes	40	43.2	ug/L	108			82	110	
	o-Xylene	20	20.4	ug/L	102			83	109	
	Styrene	20	18.9	ug/L	95			80	111	
	Bromoform	20	21.4	ug/L	107			79	109	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			76	118	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3173 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VV039165.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV0924WBSD02	Chloromethane	20	18.2	ug/L	91	5		65	116	21
	Vinyl chloride	20	18.1	ug/L	91	6		65	117	19
	Bromomethane	20	14.7	ug/L	74	34	*	58	125	20
	Chloroethane	20	20.0	ug/L	100	6		56	128	20
	Tert butyl alcohol	100	110	ug/L	110	0		48	142	30
	1,1-Dichloroethene	20	19.4	ug/L	97	3		74	110	20
	Acetone	100	79.7	ug/L	80	32	*	60	125	20
	Carbon disulfide	20	18.3	ug/L	92	6		64	112	20
	Methyl tert-butyl Ether	20	19.3	ug/L	97	7		78	114	20
	Methylene Chloride	20	20.9	ug/L	104	9		72	114	20
	trans-1,2-Dichloroethene	20	18.6	ug/L	93	6		75	108	16
	1,1-Dichloroethane	20	18.1	ug/L	91	7		78	112	20
	2-Butanone	100	92.0	ug/L	92	18		65	122	26
	Carbon Tetrachloride	20	18.2	ug/L	91	8		77	113	15
	cis-1,2-Dichloroethene	20	18.8	ug/L	94	4		77	110	20
	Chloroform	20	18.4	ug/L	92	8		79	113	20
	1,1,1-Trichloroethane	20	18.4	ug/L	92	8		80	108	20
	Benzene	20	18.8	ug/L	94	7		82	109	15
	1,2-Dichloroethane	20	18.5	ug/L	93	11		80	115	20
	Trichloroethene	20	19.2	ug/L	96	6		77	113	15
	1,2-Dichloropropane	20	19.4	ug/L	97	7		83	111	16
	Bromodichloromethane	20	18.3	ug/L	92	11		83	110	16
	4-Methyl-2-Pentanone	100	100	ug/L	100	18		74	118	25
	Toluene	20	20.0	ug/L	100	9		82	110	16
	t-1,3-Dichloropropene	20	18.5	ug/L	93	15		79	110	20
	cis-1,3-Dichloropropene	20	19.2	ug/L	96	12		82	110	16
	1,1,2-Trichloroethane	20	18.5	ug/L	93	12		83	112	20
	2-Hexanone	100	91.4	ug/L	91	19		73	117	25
	Dibromochloromethane	20	18.5	ug/L	93	10		82	110	20
	Tetrachloroethene	20	19.7	ug/L	99	2		67	123	15
	Chlorobenzene	20	19.9	ug/L	100	1		82	109	15
	Ethyl Benzene	20	19.2	ug/L	96	4		83	109	16
	m/p-Xylenes	40	40.4	ug/L	101	7		82	110	15
	o-Xylene	20	19.8	ug/L	99	3		83	109	20
	Styrene	20	17.9	ug/L	90	5		80	111	17
	Bromoform	20	18.8	ug/L	94	13		79	109	20
	1,1,2,2-Tetrachloroethane	20	17.9	ug/L	90	6		76	118	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VV0924WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3173

Lab File ID: VV039148.D | Lab Sample ID: VV0924WBL01

Date Analyzed: 09/24/2025 | Time Analyzed: 13:09

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VV0924WBS02	VV0924WBS02	VV039150.D	09/24/2025
Field Blank	Q3173-02	VV039151.D	09/24/2025
OBS1	Q3173-01	VV039152.D	09/24/2025
VV0924WBSD02	VV0924WBSD02	VV039165.D	09/24/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3173

Lab File ID: VV039134.D | BFB Injection Date: 09/22/2025

Instrument ID: MSVOA_V | BFB Injection Time: 10:15

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	19.6
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.4 (96) 1
177	5.0 - 9.0% of mass 176	4.4 (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
VSTDICC010	VSTDICC010	VV039137.D	09/22/2025	12:26
VSTDICC020	VSTDICC020	VV039138.D	09/22/2025	12:48
VSTDICCC050	VSTDICCC050	VV039139.D	09/22/2025	13:26
VSTDICC100	VSTDICC100	VV039140.D	09/22/2025	13:49
VSTDICC005	VSTDICC005	VV039142.D	09/22/2025	15:37
VSTDICC001	VSTDICC001	VV039143.D	09/22/2025	16:35

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3173

Lab File ID: VV039145.D | BFB Injection Date: 09/24/2025

Instrument ID: MSVOA_V | BFB Injection Time: 09:52

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	19.6
75	30.0 - 60.0% of mass 95	51.7
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	1.4 (1.9) 1
174	50.0 - 100.0% of mass 95	77.1
175	5.0 - 9.0% of mass 174	5.2 (6.7) 1
176	95.0 - 101.0% of mass 174	73.5 (95.3) 1
177	5.0 - 9.0% of mass 176	4.9 (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	VV039146.D	09/24/2025	10:49
VV0924WBL01	VV0924WBL01	VV039148.D	09/24/2025	13:09
VV0924WBS02	VV0924WBS02	VV039150.D	09/24/2025	14:01
Field Blank	Q3173-02	VV039151.D	09/24/2025	14:46
OBS1	Q3173-01	VV039152.D	09/24/2025	15:08
VV0924WBSD02	VV0924WBSD02	VV039165.D	09/24/2025	19:59

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3173

Lab File ID: VV039146.D Date Analyzed: 09/24/2025

Instrument ID: MSVOA_V Time Analyzed: 10:49

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	558154	4.60	907128	5.53	923608	8.78
UPPER LIMIT	1116310	5.1	1814260	6.032	1847220	9.277
LOWER LIMIT	279077	4.1	453564	5.032	461804	8.277
EPA SAMPLE NO.						
OBS1	483819	4.60	891080	5.54	856052	8.78
Field Blank	552493	4.60	1029152	5.53	962323	8.78
VV0924WBL01	463770	4.60	858892	5.53	831675	8.77
VV0924WBS02	492318	4.60	795602	5.53	784865	8.78
VV0924WBSD02	545364	4.60	903558	5.53	885424	8.78

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3173

Lab File ID: VV039146.D Date Analyzed: 09/24/2025

Instrument ID: MSVOA_V Time Analyzed: 10:49

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	551620	11.172				
UPPER LIMIT	1103240	11.672				
LOWER LIMIT	275810	10.672				
EPA SAMPLE NO.						
OBS1	408468	11.18				
Field Blank	434712	11.17				
VV0924WBL01	379013	11.18				
VV0924WBS02	468522	11.17				
VV0924WBSD02	510716	11.17				

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.

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit	Date Received:	
Client Sample ID:	VV0924WBL01	SDG No.:	Q3173
Lab Sample ID:	VV0924WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039148.D	1	09/24/25 13:09	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit	Date Received:	
Client Sample ID:	VV0924WBL01	SDG No.:	Q3173
Lab Sample ID:	VV0924WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039148.D	1	09/24/25 13:09	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.2		74 - 125	124%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	44.1		86 - 113	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	464000	4.596			
540-36-3	1,4-Difluorobenzene	859000	5.532			
3114-55-4	Chlorobenzene-d5	832000	8.773			
3855-82-1	1,4-Dichlorobenzene-d4	379000	11.175			

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit	Date Received:	
Client Sample ID:	VV0924WBS02	SDG No.:	Q3173
Lab Sample ID:	VV0924WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039150.D	1	09/24/25 14:01	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	19.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.26	1.00	ug/L
74-83-9	Bromomethane	20.9		1.40	5.00	ug/L
75-00-3	Chloroethane	21.1		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	20.0		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
75-09-2	Methylene Chloride	22.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.7		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
67-66-3	Chloroform	19.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.20	1.00	ug/L
71-43-2	Benzene	20.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	5.00	ug/L
108-88-3	Toluene	21.8		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.5		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.23	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit	Date Received:	
Client Sample ID:	VV0924WBS02	SDG No.:	Q3173
Lab Sample ID:	VV0924WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039150.D	1	09/24/25 14:01	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	19.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	43.2		0.24	2.00	ug/L
95-47-6	o-Xylene	20.4		0.12	1.00	ug/L
100-42-5	Styrene	18.9		0.15	1.00	ug/L
75-25-2	Bromoform	21.4		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.5		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	492000	4.6			
540-36-3	1,4-Difluorobenzene	796000	5.532			
3114-55-4	Chlorobenzene-d5	785000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	469000	11.172			

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit	Date Received:	
Client Sample ID:	VV0924WBSD02	SDG No.:	Q3173
Lab Sample ID:	VV0924WBSD02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039165.D	1	09/24/25 19:59	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	18.2		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.26	1.00	ug/L
74-83-9	Bromomethane	14.7		1.40	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.23	1.00	ug/L
67-64-1	Acetone	79.7		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	1.00	ug/L
75-09-2	Methylene Chloride	20.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.1		0.23	1.00	ug/L
78-93-3	2-Butanone	92.0		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.19	1.00	ug/L
67-66-3	Chloroform	18.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.4		0.20	1.00	ug/L
71-43-2	Benzene	18.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	20.0		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.4		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.5		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.23	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit	Date Received:	
Client Sample ID:	VV0924WBSD02	SDG No.:	Q3173
Lab Sample ID:	VV0924WBSD02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039165.D	1	09/24/25 19:59	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	19.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.4		0.24	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	1.00	ug/L
100-42-5	Styrene	17.9		0.15	1.00	ug/L
75-25-2	Bromoform	18.8		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.9		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.7		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	545000	4.6			
540-36-3	1,4-Difluorobenzene	904000	5.532			
3114-55-4	Chlorobenzene-d5	885000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	511000	11.172			

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

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.: Q3173

Instrument ID: MSVOA_V Calibration Date(s): 09/22/2025 09/22/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:26 16:35

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

LAB FILE ID: RRF010 = VV039137.D RRF020 = VV039138.D RRF050 = VV039139.D
RRF100 = VV039140.D RRF005 = VV039142.D RRF001 = VV039143.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF005	RRF001	$\overline{RRF}$	% RSD
Chloromethane	0.949	0.814	0.770	0.729	0.889	0.946	0.850	10.9
Vinyl Chloride	1.007	0.856	0.836	0.801	0.932	1.026	0.910	10.3
Bromomethane	0.631	0.548	0.508	0.524	0.655		0.573	11.5
Chloroethane	0.662	0.568	0.533	0.500	0.606	0.915	0.631	23.8
Tert butyl alcohol	0.169	0.157	0.137	0.136	0.166		0.153	10.3
1,1-Dichloroethene	0.804	0.721	0.674	0.663	0.789	0.873	0.754	10.9
Acetone	0.537	0.458	0.449	0.414	0.569	0.712	0.523	20.8
Carbon Disulfide	2.453	2.181	2.081	1.986	2.462	2.670	2.306	11.4
Methyl tert-butyl Ether	2.547	2.285	2.233	2.202	2.556	2.591	2.402	7.5
Methylene Chloride	0.930	0.848	0.779	0.742	1.113	1.987	1.066	44
trans-1,2-Dichloroethene	0.846	0.755	0.724	0.696	0.835	0.959	0.803	12.1
1,1-Dichloroethane	1.669	1.466	1.388	1.329	1.659	1.942	1.576	14.4
2-Butanone	0.604	0.584	0.586	0.580	0.570	0.554	0.579	2.9
Carbon Tetrachloride	0.742	0.710	0.703	0.675	0.736	0.890	0.743	10.2
cis-1,2-Dichloroethene	0.908	0.842	0.868	0.860	0.832	1.001	0.885	7.1
Chloroform	1.752	1.570	1.490	1.433	1.746	1.880	1.645	10.6
1,1,1-Trichloroethane	1.562	1.321	1.298	1.263	1.513	1.590	1.424	10.3
Benzene	2.077	1.978	1.990	1.931	1.963	1.936	1.979	2.7
1,2-Dichloroethane	0.725	0.694	0.666	0.643	0.693	0.740	0.693	5.2
Trichloroethene	0.471	0.456	0.463	0.454	0.460	0.435	0.457	2.6
1,2-Dichloropropane	0.509	0.519	0.502	0.486	0.471	0.465	0.492	4.4
Bromodichloromethane	0.832	0.764	0.753	0.725	0.767	0.829	0.778	5.5
4-Methyl-2-Pentanone	0.715	0.736	0.732	0.714	0.613	0.459	0.661	16.5
Toluene	1.211	1.199	1.229	1.214	1.130	0.901	1.147	10.9
t-1,3-Dichloropropene	0.701	0.696	0.728	0.753	0.645	0.548	0.678	10.8
cis-1,3-Dichloropropene	0.803	0.777	0.811	0.803	0.704	0.595	0.749	11.4
1,1,2-Trichloroethane	0.534	0.502	0.494	0.480	0.524	0.553	0.514	5.3
2-Hexanone	0.505	0.534	0.546	0.533	0.429	0.231	0.463	26.2
Dibromochloromethane	0.605	0.570	0.567	0.558	0.598	0.620	0.586	4.2
Tetrachloroethene	0.435	0.412	0.412	0.407	0.431	0.415	0.419	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.: Q3173

Instrument ID: MSVOA_V Calibration Date(s): 09/22/2025 09/22/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:26 16:35

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

LAB FILE ID: RRF010 = VV039137.D RRF020 = VV039138.D RRF050 = VV039139.D
RRF100 = VV039140.D RRF005 = VV039142.D RRF001 = VV039143.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF005	RRF001	$\overline{RRF}$	% RSD
Chlorobenzene	1.403	1.368	1.383	1.358	1.417	1.428	1.393	2
Ethyl Benzene	2.028	2.143	2.382	2.418	1.953	1.725	2.108	12.5
m/p-Xylenes	0.820	0.882	0.949	0.938	0.713	0.580	0.814	17.7
o-Xylene	0.703	0.742	0.846	0.880	0.635	0.518	0.720	18.7
Styrene	1.239	1.381	1.553	1.537	1.038	0.828	1.263	22.8
Bromoform	0.396	0.384	0.396	0.400	0.385	0.397	0.393	1.7
1,1,2,2-Tetrachloroethane	1.600	1.461	1.425	1.389	1.684	1.975	1.589	13.8
1,2-Dichloroethane-d4	0.773	0.663	0.646	0.618	0.919		0.724	17.1
Dibromofluoromethane	0.435	0.382	0.377	0.360	0.454		0.402	10.1
Toluene-d8	1.166	1.092	1.136	1.097	1.411		1.181	11.2
4-Bromofluorobenzene	0.481	0.464	0.507	0.501	0.477		0.486	3.6

* 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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3173
Instrument ID: MSVOA_V
Calibration Date/Time: 09/24/2025 10:49
Lab File ID: VV039146.D
Init. Calib. Date(s): 09/22/2025 09/22/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:26 16:35
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.850	0.730	0.1	-14.12	20
Vinyl Chloride	0.910	0.742		-18.46	20
Bromomethane	0.573	0.504		-12.04	20
Chloroethane	0.631	0.488		-22.66	20
Tert butyl alcohol	0.153	0.157		2.61	20
1,1-Dichloroethene	0.754	0.615		-18.43	20
Acetone	0.523	0.448		-14.34	20
Carbon Disulfide	2.306	1.849		-19.82	20
Methyl tert-butyl Ether	2.402	2.294		-4.5	20
Methylene Chloride	1.066	0.777		-27.11	20
trans-1,2-Dichloroethene	0.803	0.683		-14.94	20
1,1-Dichloroethane	1.576	1.323	0.1	-16.05	20
2-Butanone	0.579	0.608		5.01	20
Carbon Tetrachloride	0.743	0.609		-18.03	20
cis-1,2-Dichloroethene	0.885	0.808		-8.7	20
Chloroform	1.645	1.449		-11.91	20
1,1,1-Trichloroethane	1.424	1.169		-17.91	20
Benzene	1.979	1.817		-8.19	20
1,2-Dichloroethane	0.693	0.655		-5.48	20
Trichloroethene	0.457	0.405		-11.38	20
1,2-Dichloropropane	0.492	0.476		-3.25	20
Bromodichloromethane	0.778	0.727		-6.55	20
4-Methyl-2-Pentanone	0.661	0.751		13.62	20
Toluene	1.147	1.120		-2.35	20
t-1,3-Dichloropropene	0.678	0.704		3.84	20
cis-1,3-Dichloropropene	0.749	0.769		2.67	20
1,1,2-Trichloroethane	0.514	0.500		-2.72	20
2-Hexanone	0.463	0.557		20.3	20
Dibromochloromethane	0.586	0.559		-4.61	20
Tetrachloroethene	0.419	0.347		-17.18	20
Chlorobenzene	1.393	1.221	0.3	-12.35	20
Ethyl Benzene	2.108	1.997		-5.27	20
m/p-Xylenes	0.814	0.814		0	20
o-Xylene	0.720	0.732		1.67	20
Styrene	1.263	1.382		9.42	20
Bromoform	0.393	0.378	0.1	-3.82	20
1,1,2,2-Tetrachloroethane	1.589	1.354	0.3	-14.79	20
1,2-Dichloroethane-d4	0.724	0.661		-8.7	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	GENV01
Lab Code:	ACE	SDG No.:	Q3173
Instrument ID:	MSVOA_V	Calibration Date/Time:	09/24/2025 10:49
Lab File ID:	VV039146.D	Init. Calib. Date(s):	09/22/2025 09/22/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	12:26 16:35

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.402	0.366		-8.95	20
Toluene-d8	1.181	1.053		-10.84	20
4-Bromofluorobenzene	0.486	0.489		0.62	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Quant Time: Sep 25 04:47:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

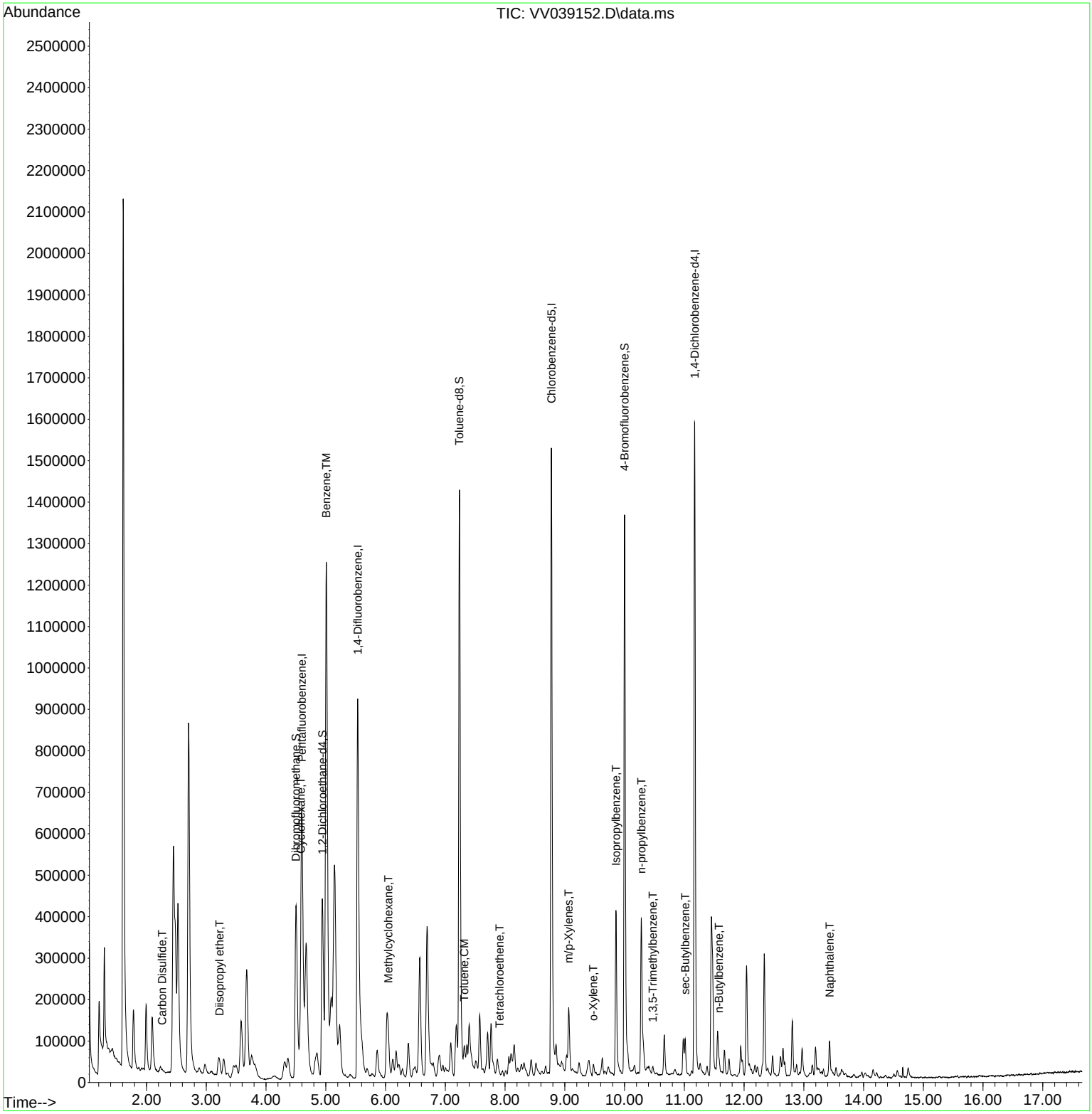
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	483819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	891080	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	856052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	408468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	388143	55.431	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 110.860%			
35) Dibromofluoromethane	4.503	113	349859	48.839	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.680%			
50) Toluene-d8	7.236	98	999940	47.527	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 95.060%			
62) 4-Bromofluorobenzene	10.001	95	447257	51.638	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 103.280%			
Target Compounds						Qvalue
17) Carbon Disulfide	2.262	76	11847	0.531	ug/l	99
22) Diisopropyl ether	3.224	45	29284	1.175	ug/l #	32
31) Cyclohexane	4.584	56	71365	5.714	ug/l #	94
39) Methylcyclohexane	6.047	83	48032	3.672	ug/l #	71
40) Benzene	5.008	78	1426675	40.452	ug/l	100
52) Toluene	7.320	92	27552	1.347	ug/l	95
64) Tetrachloroethene	7.908	164	1965	0.274	ug/l	90
68) m/p-Xylenes	9.066	106	41405	2.972	ug/l	92
69) o-Xylene	9.477	106	6368	0.516	ug/l	75
73) Isopropylbenzene	9.857	105	239091	8.070	ug/l	99
78) n-propylbenzene	10.281	91	286813	7.950	ug/l	98
80) 1,3,5-Trimethylbenzene	10.474	105	10536	0.428	ug/l	96
85) sec-Butylbenzene	11.014	105	52963	1.626	ug/l	96
89) n-Butylbenzene	11.580	91	15680	0.606	ug/l #	81
95) Naphthalene	13.432	128	70065	2.602	ug/l	97

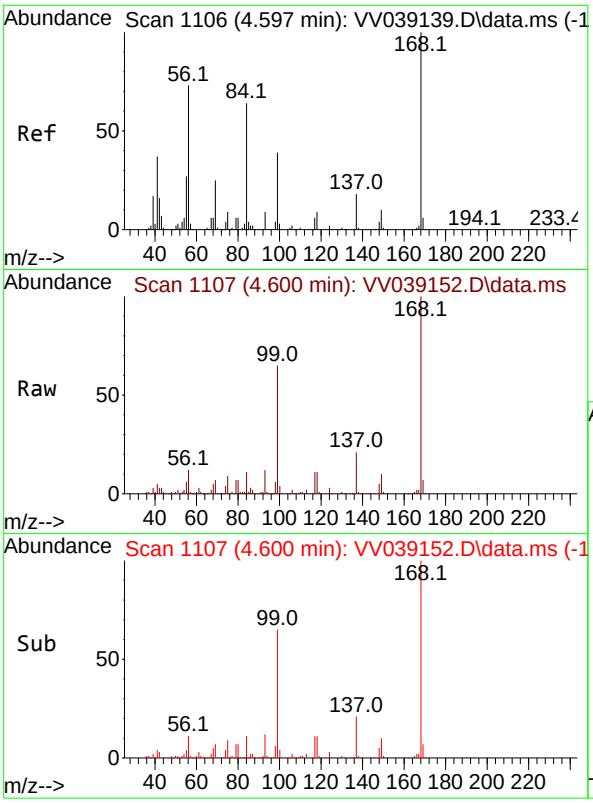
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Quant Time: Sep 25 04:47:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration



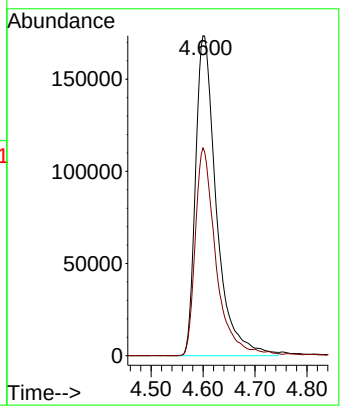


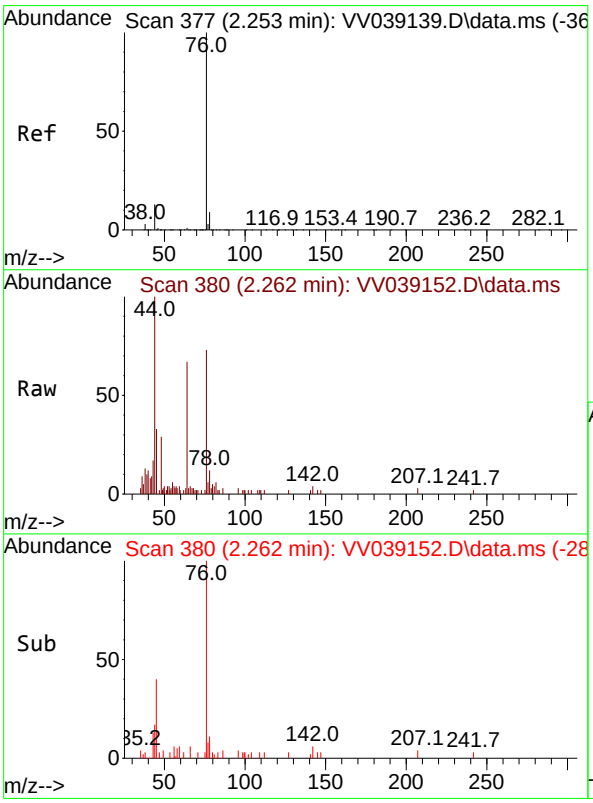
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion:168 Resp: 483819

Ion	Ratio	Lower	Upper
168	100		
99	64.9	49.6	74.4

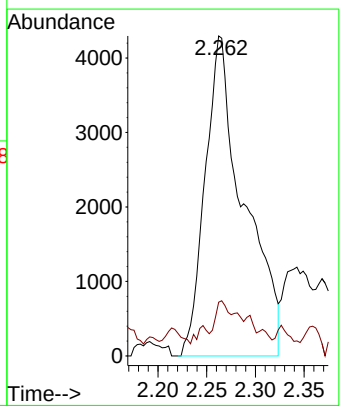


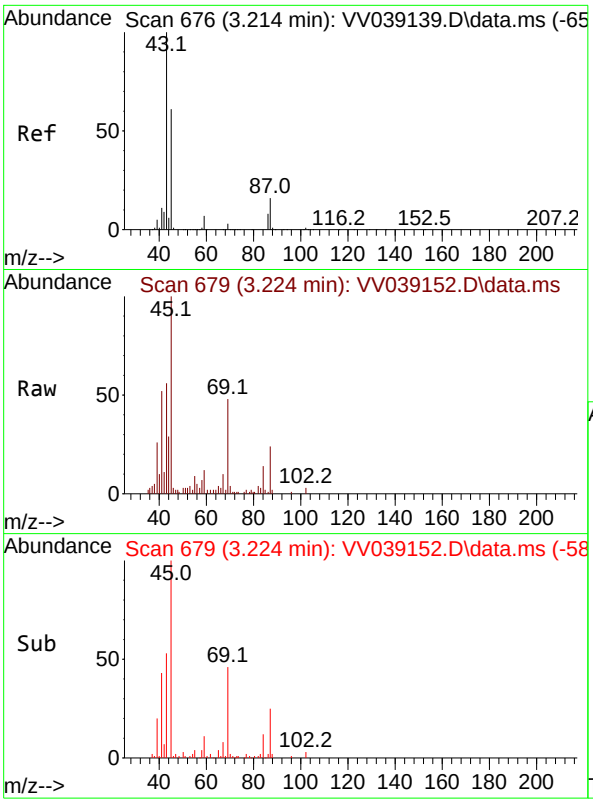


#17
Carbon Disulfide
Concen: 0.531 ug/l
RT: 2.262 min Scan# 380
Delta R.T. 0.010 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion: 76 Resp: 11847

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0



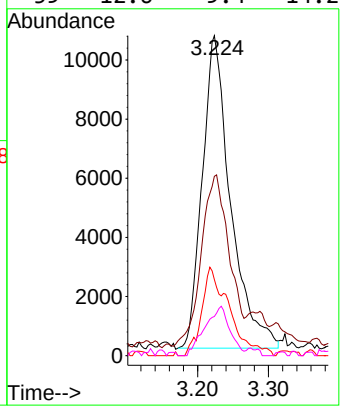


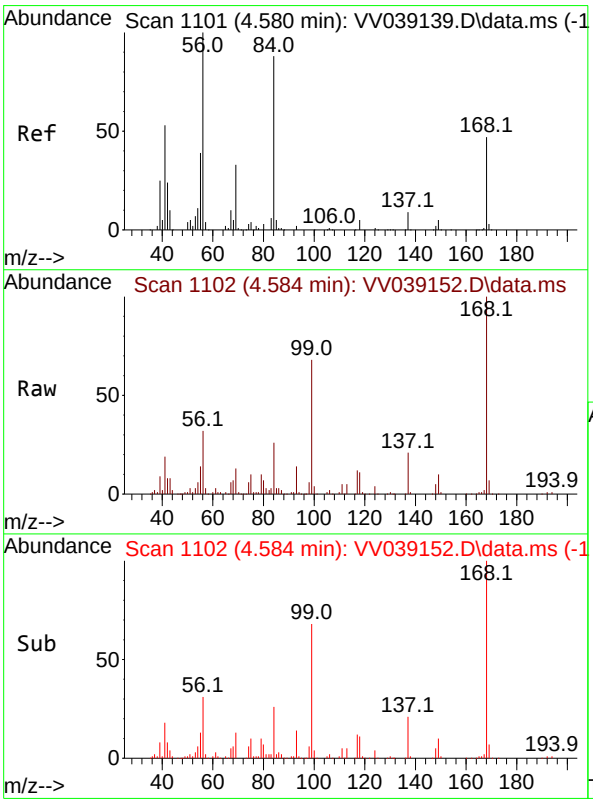
#22
Diisopropyl ether
Concen: 1.175 ug/l
RT: 3.224 min Scan# 6
Delta R.T. 0.010 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion: 45 Resp: 29284

Ion	Ratio	Lower	Upper
45	100		
43	52.7	130.9	196.3#
87	24.4	21.1	31.7
59	12.6	9.4	14.2

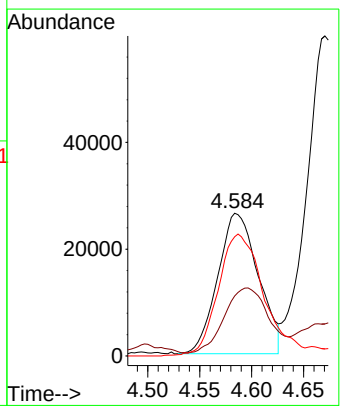


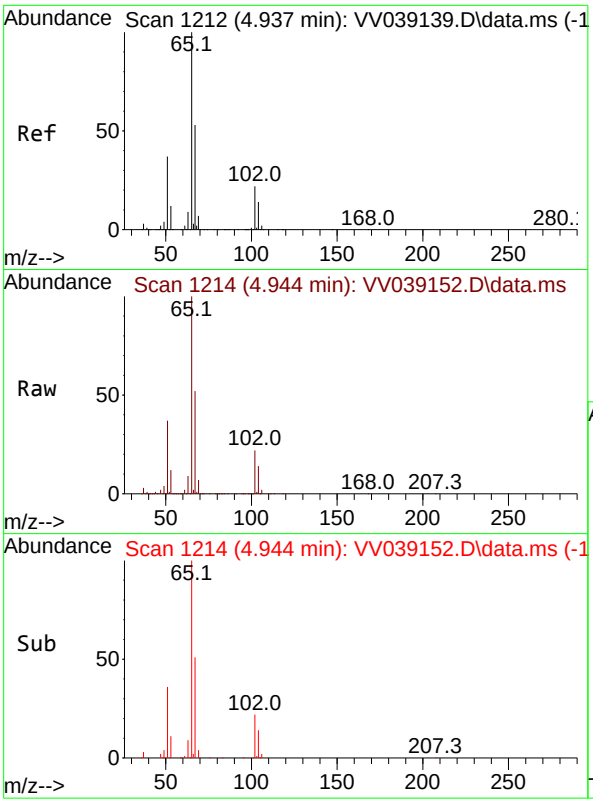


#31
Cyclohexane
Concen: 5.714 ug/l
RT: 4.584 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion: 56 Resp: 71365

Ion	Ratio	Lower	Upper
56	100		
69	39.7	26.2	39.2#
84	84.1	70.3	105.5



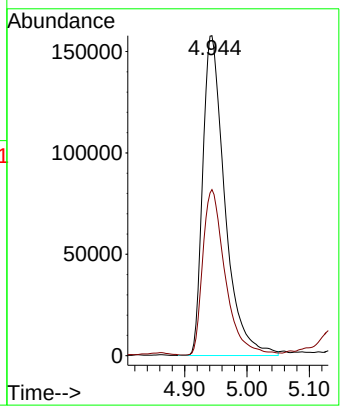


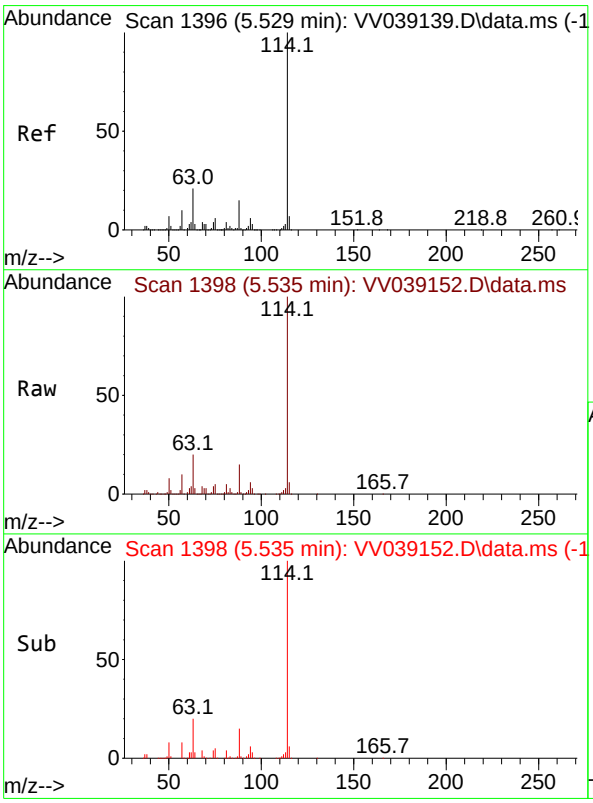
#33
1,2-Dichloroethane-d4
Concen: 55.431 ug/l
RT: 4.944 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion: 65 Resp: 388143

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.0

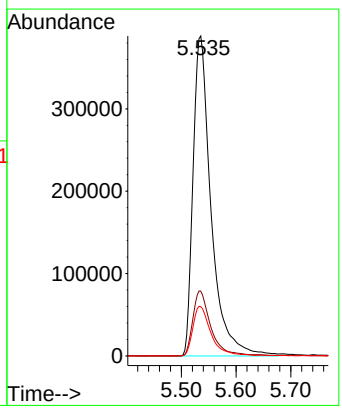


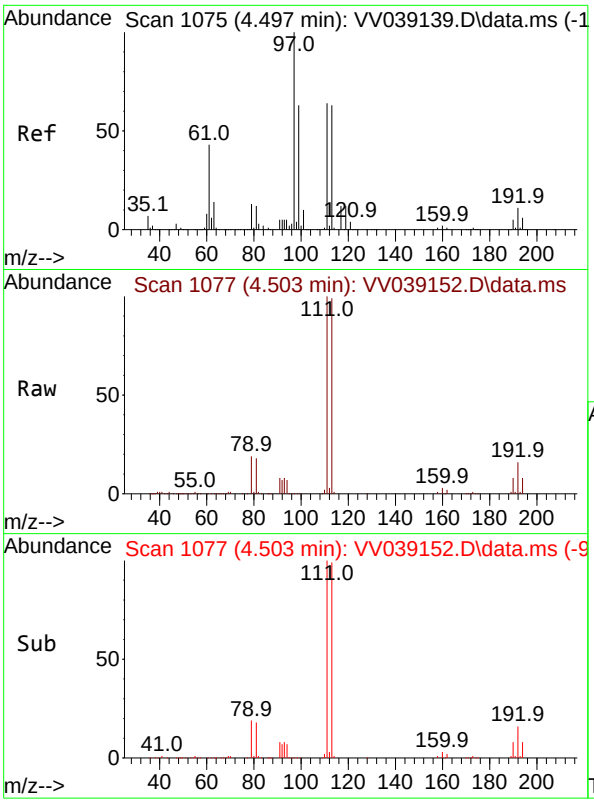


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion:114 Resp: 891080

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.6
88	15.4	0.0	30.8



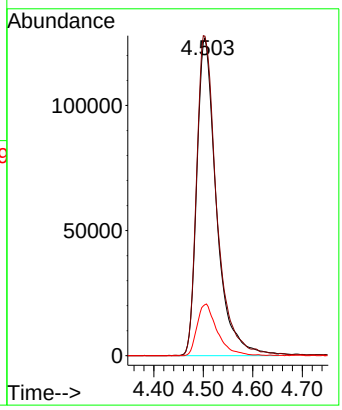


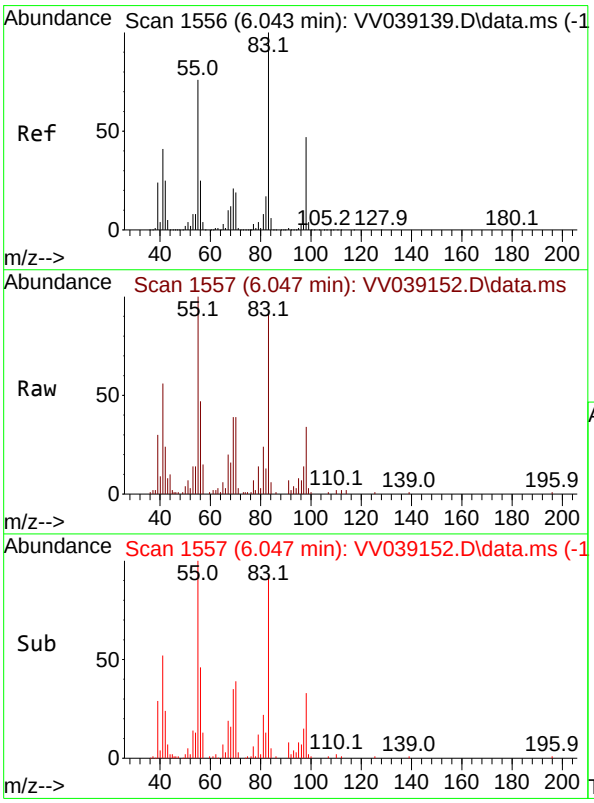
#35
Dibromofluoromethane
Concen: 48.839 ug/l
RT: 4.503 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion:113 Resp: 349859

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	16.7	13.8	20.8

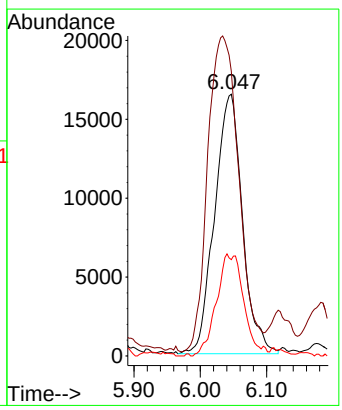


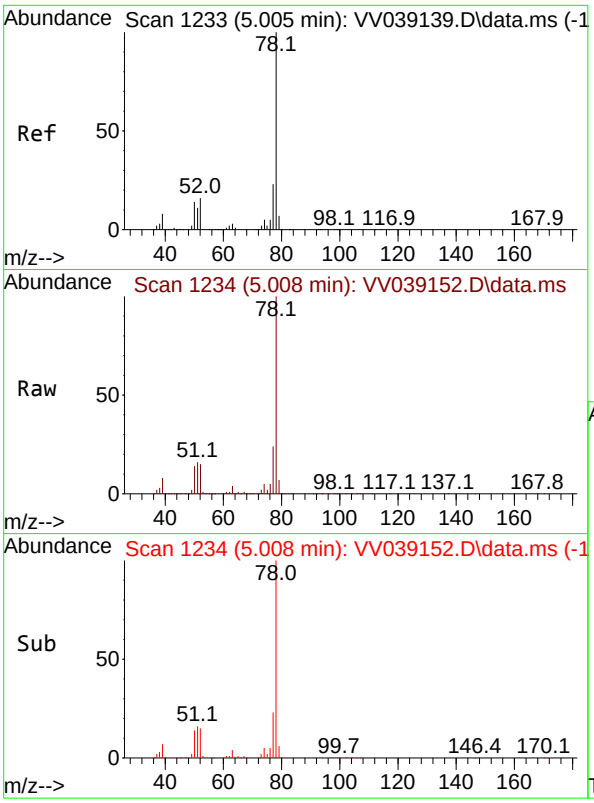


#39
Methylcyclohexane
Concen: 3.672 ug/l
RT: 6.047 min Scan# 1557
Delta R.T. 0.004 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion: 83 Resp: 48032

Ion	Ratio	Lower	Upper
83	100		
55	107.5	60.5	90.7#
98	37.1	37.8	56.6#



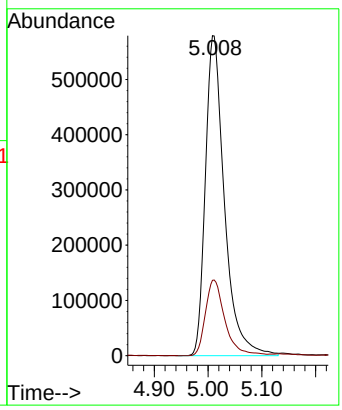


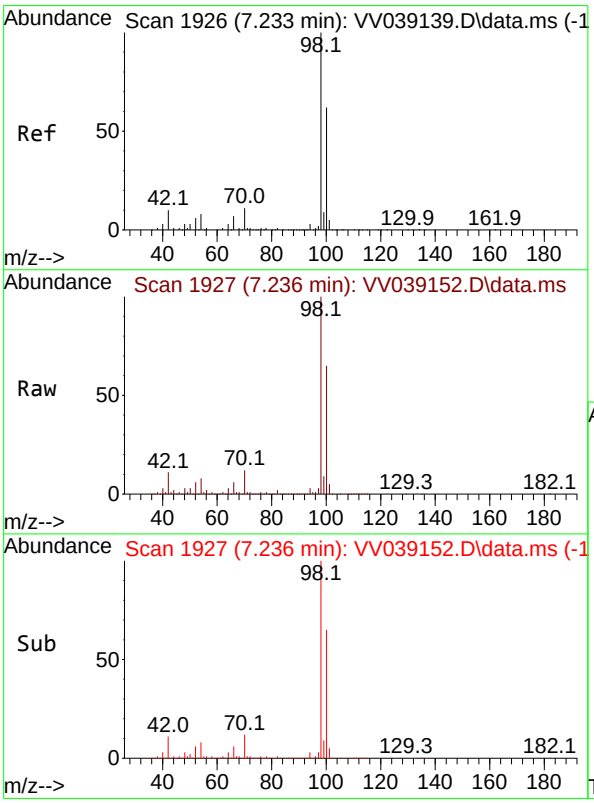
#40
Benzene
Concen: 40.452 ug/l
RT: 5.008 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion: 78 Resp: 1426675

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1

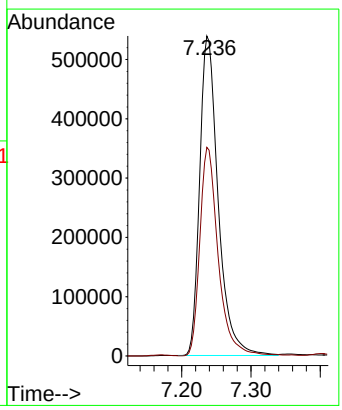




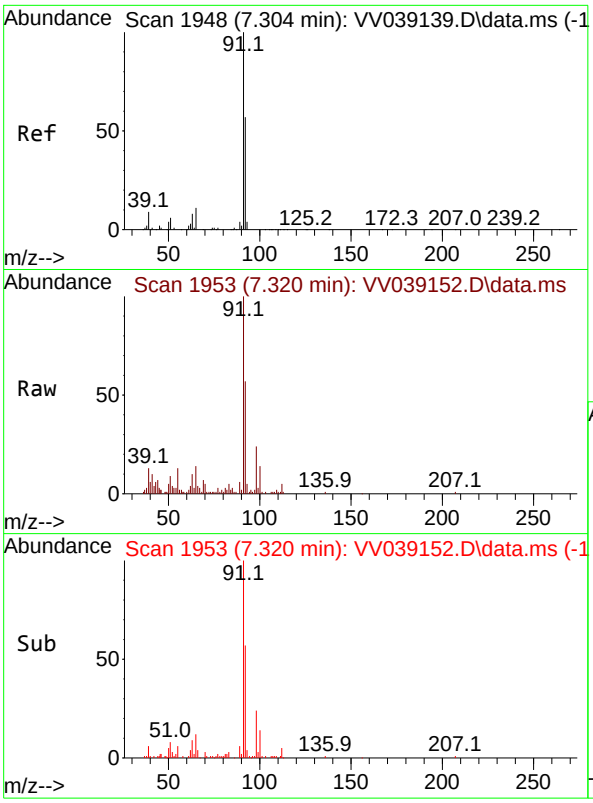
#50
Toluene-d8
Concen: 47.527 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.003 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion: 98 Resp: 999940

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2



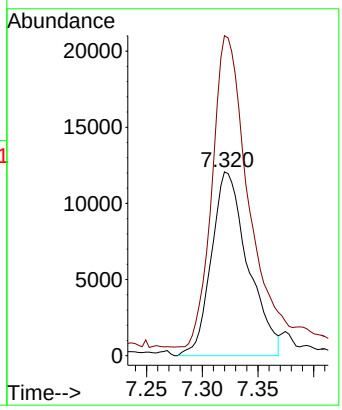
Instrument :
MSVOA_V
ClientSampleId :
OBS1

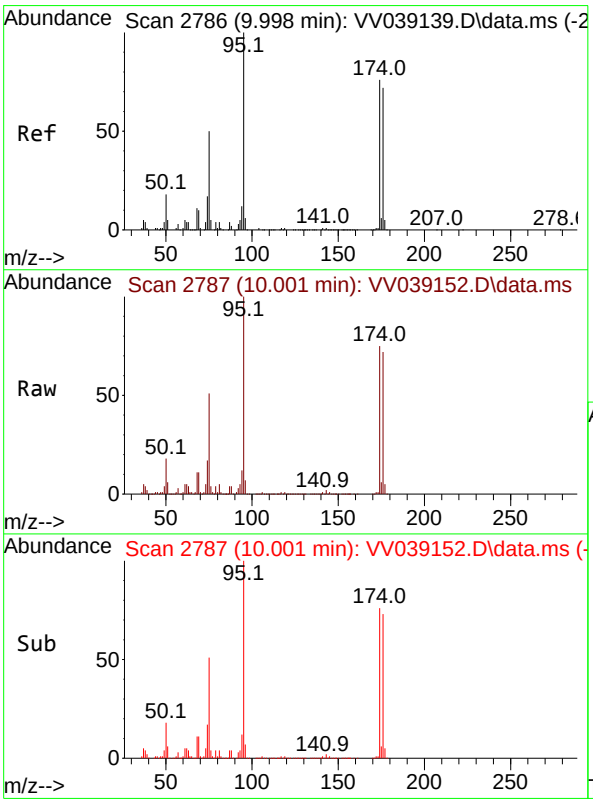


#52
Toluene
Concen: 1.347 ug/l
RT: 7.320 min Scan# 1
Delta R.T. 0.016 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion: 92 Resp: 27552

Ion	Ratio	Lower	Upper
92	100		
91	167.6	139.2	208.8

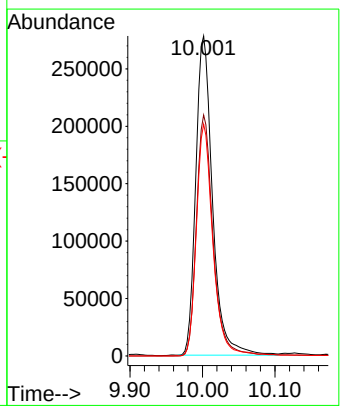


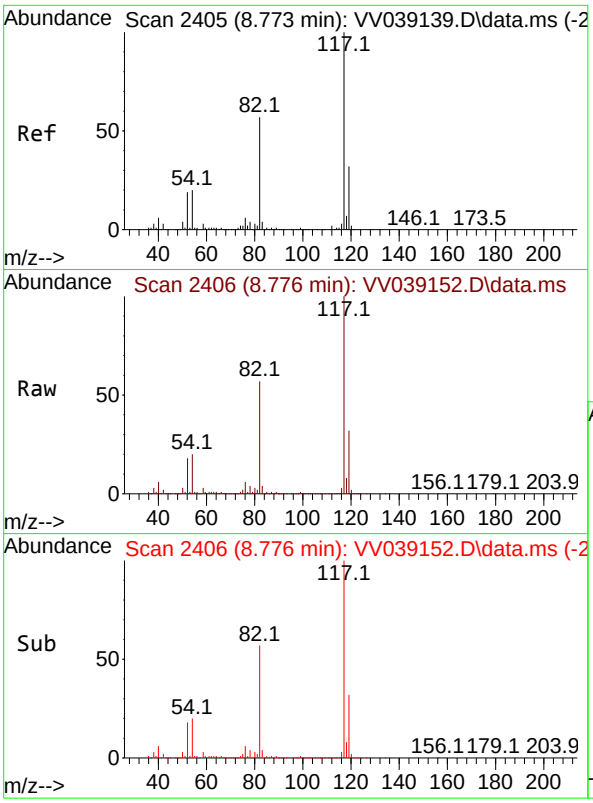


#62
4-Bromofluorobenzene
Concen: 51.638 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion: 95 Resp: 447257

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.4
176	71.7	0.0	144.2



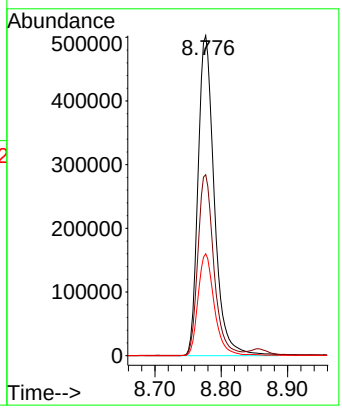


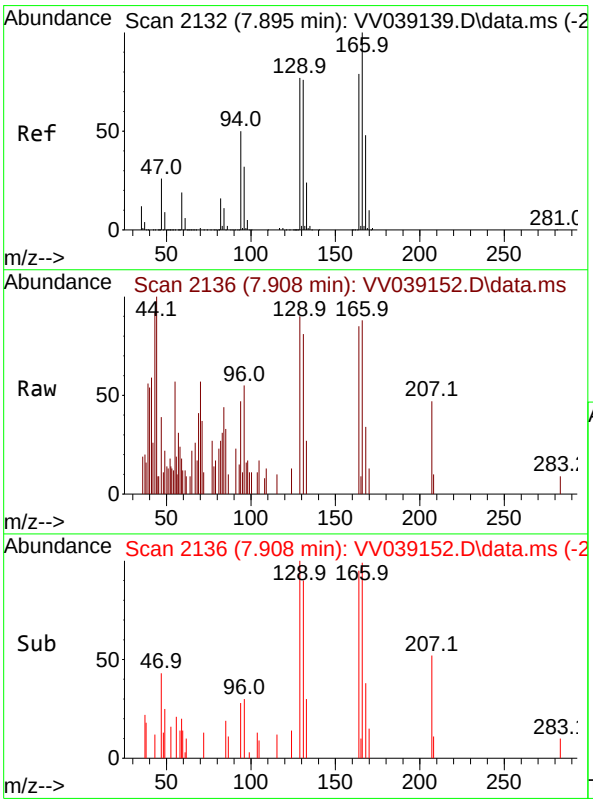
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion:117 Resp: 856052

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.4	68.2
119	31.9	25.6	38.4

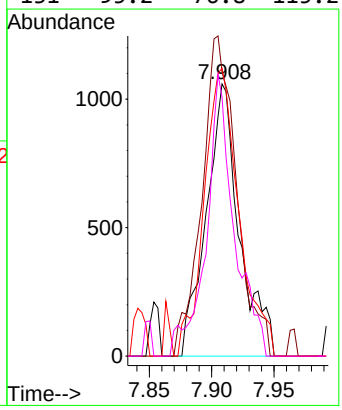


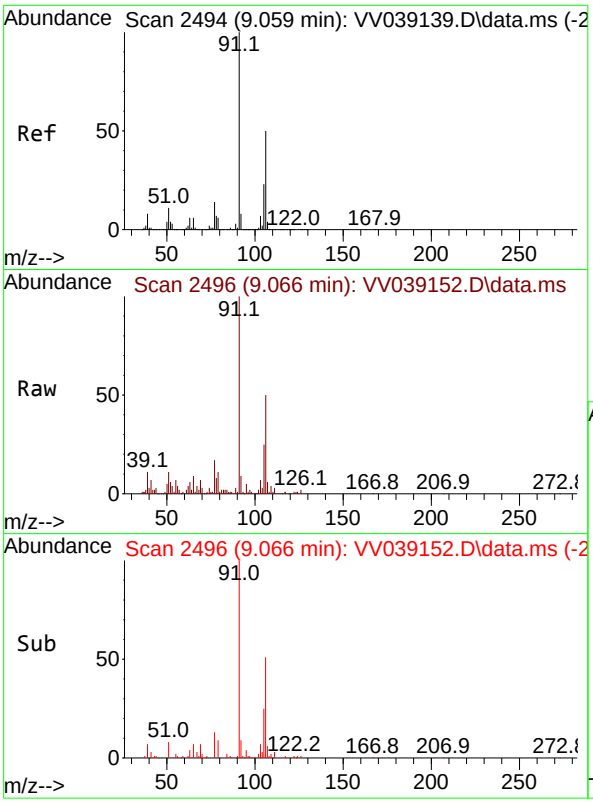


#64
Tetrachloroethene
Concen: 0.274 ug/l
RT: 7.908 min Scan# 2136
Delta R.T. 0.013 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion:164 Resp: 1965

Ion	Ratio	Lower	Upper
164	100		
166	104.3	101.6	152.4
129	105.8	78.5	117.7
131	95.2	76.8	115.2



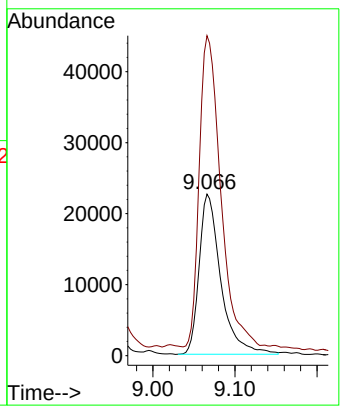


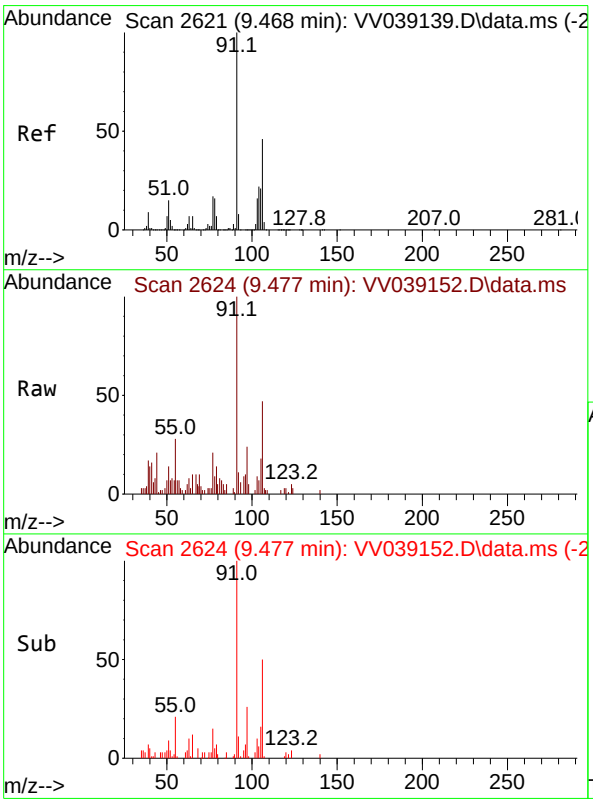
#68
m/p-Xylenes
Concen: 2.972 ug/l
RT: 9.066 min Scan# 24
Delta R.T. 0.007 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion:106 Resp: 41405

Ion	Ratio	Lower	Upper
106	100		
91	191.5	162.5	243.7

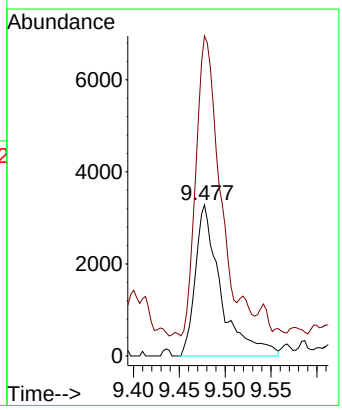


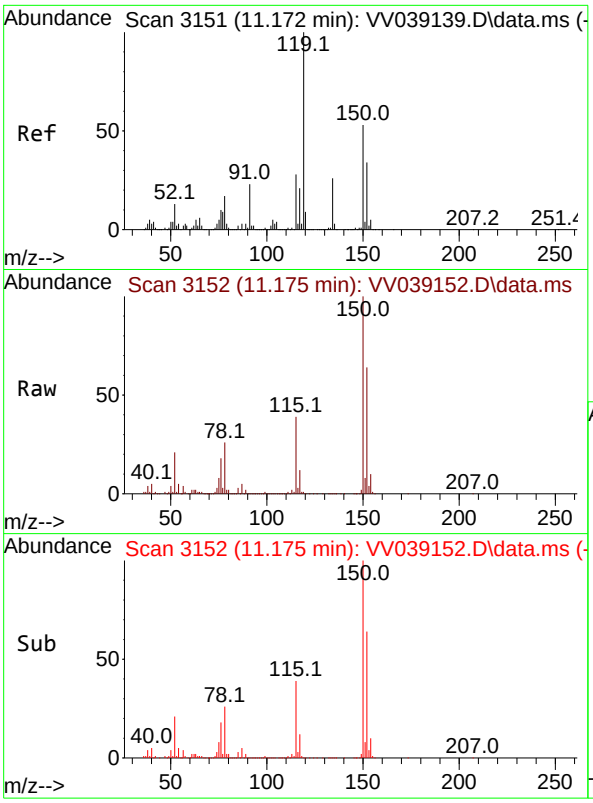


#69
o-Xylene
Concen: 0.516 ug/l
RT: 9.477 min Scan# 2624
Delta R.T. 0.010 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion:106 Resp: 6368

Ion	Ratio	Lower	Upper
106	100		
91	178.3	109.1	327.3



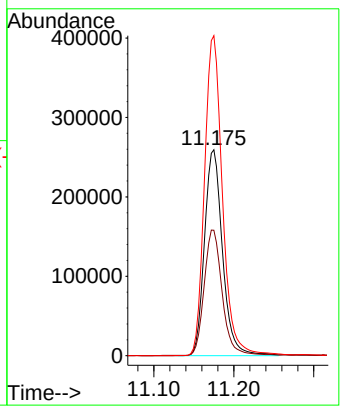


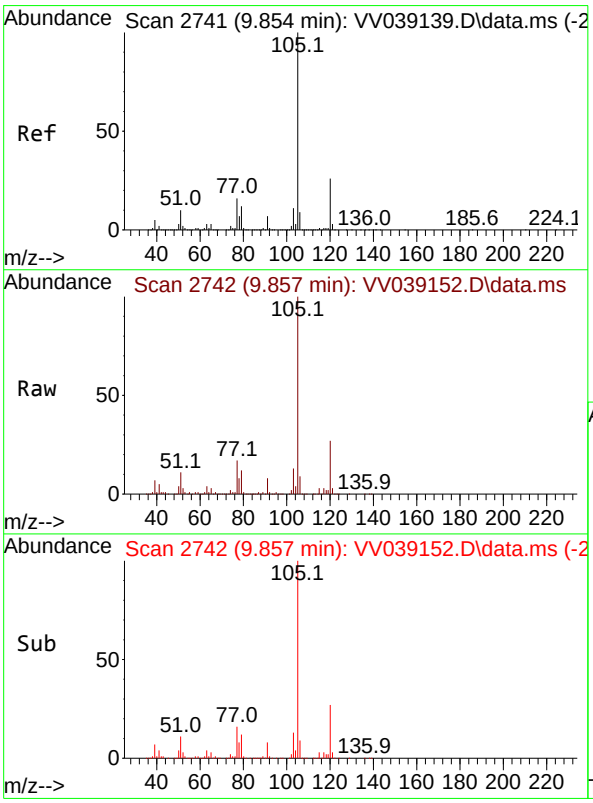
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion:152 Resp: 408468

Ion	Ratio	Lower	Upper
152	100		
115	60.5	44.8	134.4
150	154.3	0.0	353.8

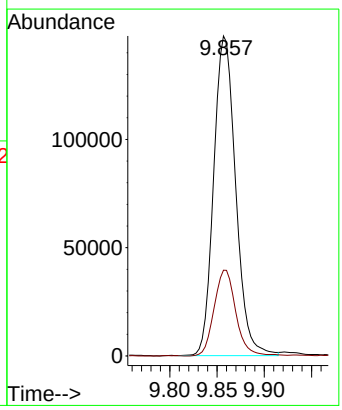


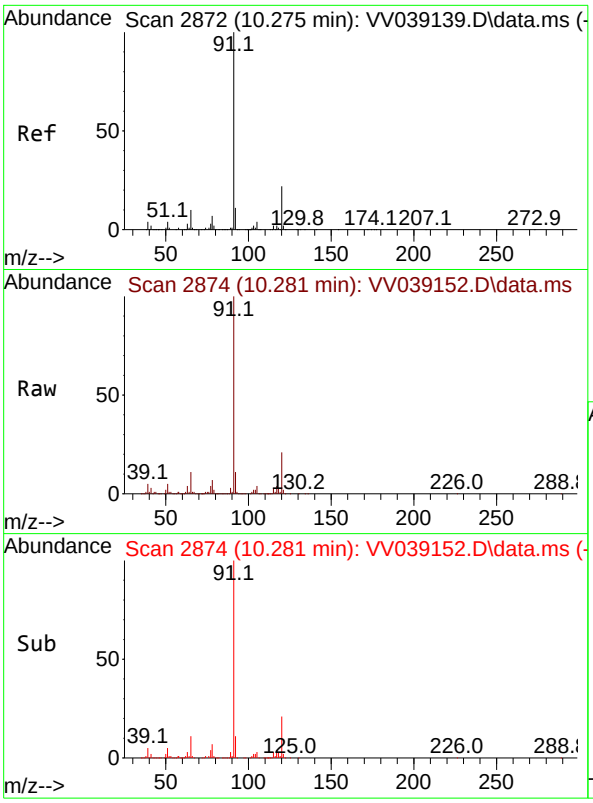


#73
Isopropylbenzene
Concen: 8.070 ug/l
RT: 9.857 min Scan# 2742
Delta R.T. 0.003 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion:105 Resp: 239091

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.1



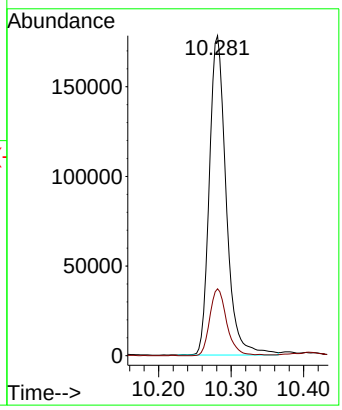


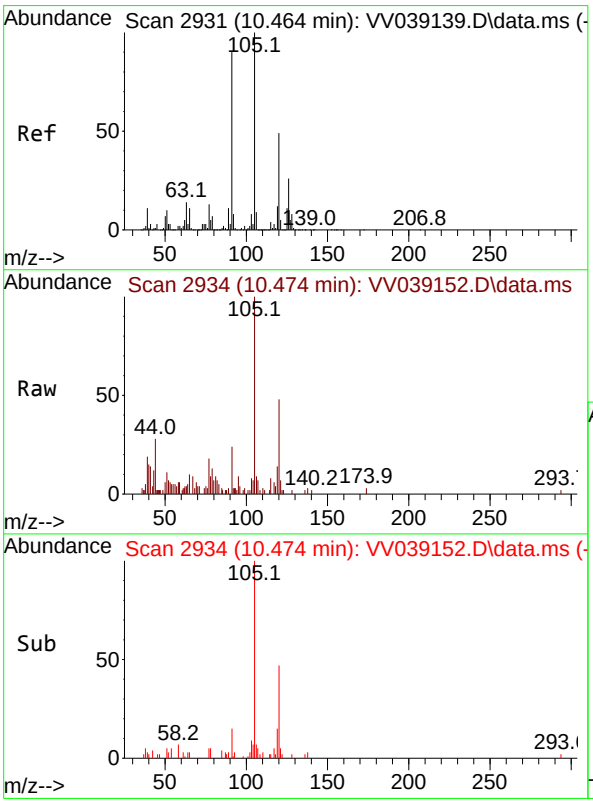
#78
n-propylbenzene
Concen: 7.950 ug/l
RT: 10.281 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion: 91 Resp: 286813

Ion	Ratio	Lower	Upper
91	100		
120	21.1	11.1	33.3

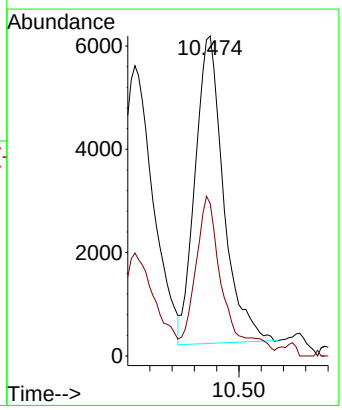


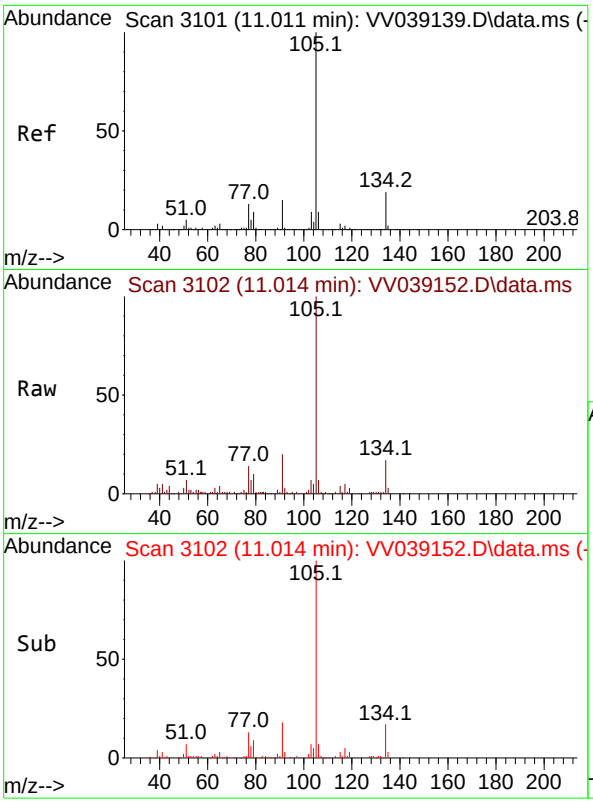


#80
1,3,5-Trimethylbenzene
Concen: 0.428 ug/l
RT: 10.474 min Scan# 2934
Delta R.T. 0.010 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion:105 Resp: 10536

Ion	Ratio	Lower	Upper
105	100		
120	45.7	24.3	72.8



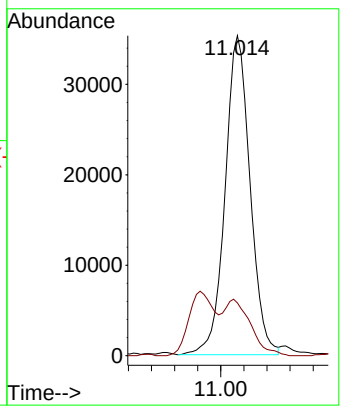


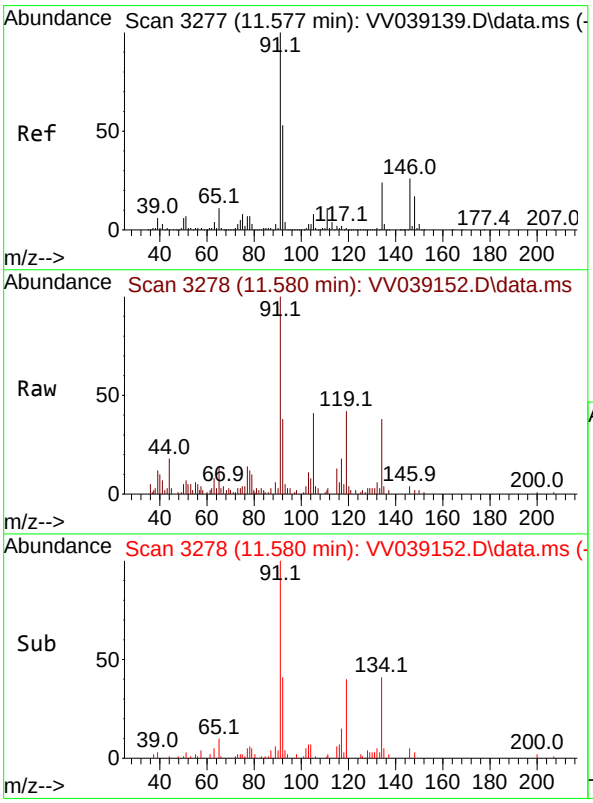
#85
sec-Butylbenzene
Concen: 1.626 ug/l
RT: 11.014 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion:105 Resp: 52963

Ion	Ratio	Lower	Upper
105	100		
134	17.4	9.6	28.8

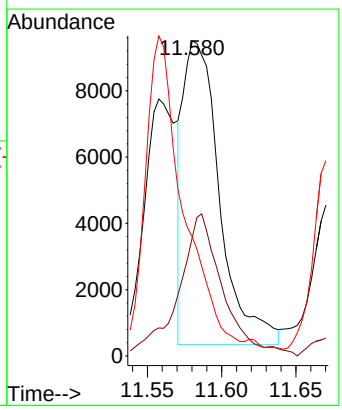


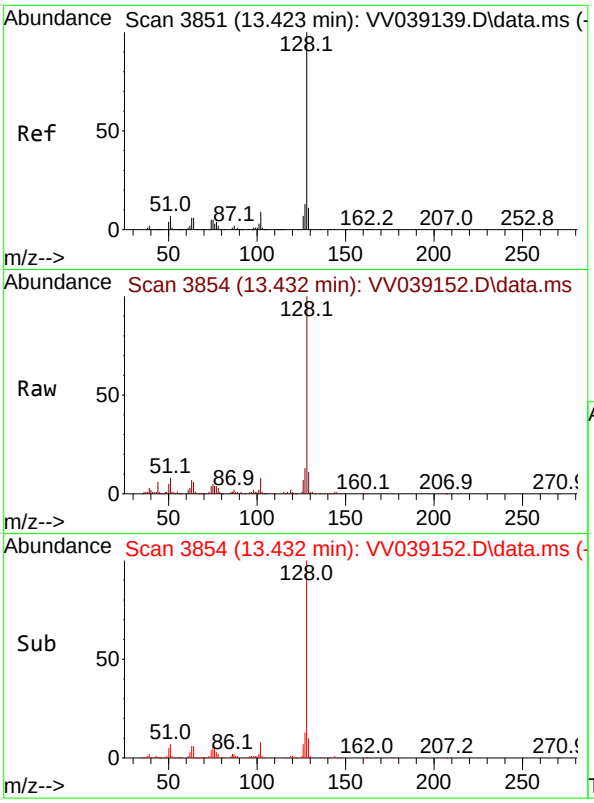


#89
n-Butylbenzene
Concen: 0.606 ug/l
RT: 11.580 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Tgt Ion: 91 Resp: 15680

Ion	Ratio	Lower	Upper
91	100		
92	56.6	26.6	79.8
134	0.0	12.1	36.3#



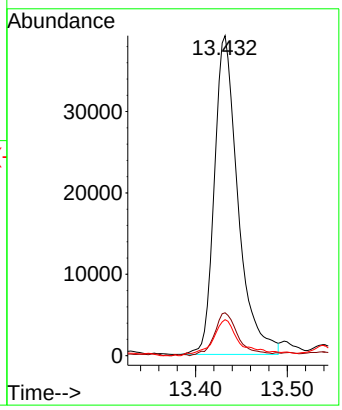


#95
Naphthalene
Concen: 2.602 ug/l
RT: 13.432 min Scan# 3
Delta R.T. 0.009 min
Lab File: VV039152.D
Acq: 24 Sep 2025 15:08

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Tgt Ion:128 Resp: 70065

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	12.5	8.6	13.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

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_V\Method\82V092225W.M
Title : SW846 8260

Signal : TIC: VV039152.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.208	44	52	70	rBV	176531	444117	12.88%	1.039%
2	1.294	73	79	90	rVV	241437	321164	9.31%	0.751%
3	1.610	167	177	212	rVB	2091594	3449344	100.00%	8.068%
4	1.783	222	231	249	rVB4	140315	264370	7.66%	0.618%
5	1.992	287	296	315	rVV	157300	275217	7.98%	0.644%
6	2.095	319	328	358	rVB2	131455	294223	8.53%	0.688%
7	2.452	423	439	455	rBV2	545138	1712872	49.66%	4.006%
8	2.526	456	462	495	rVB2	405280	897917	26.03%	2.100%
9	2.706	504	518	559	rVB2	842933	1988701	57.65%	4.651%
10	2.976	595	602	617	rVB3	20482	44611	1.29%	0.104%
11	3.208	664	674	690	rBV8	41499	115481	3.35%	0.270%
12	3.294	690	701	713	rVB4	37285	86522	2.51%	0.202%
13	3.458	735	752	758	rBV5	29101	73894	2.14%	0.173%
14	3.584	778	791	805	rBV2	125270	321974	9.33%	0.753%
15	3.677	807	820	836	rVV2	233213	592331	17.17%	1.385%
16	4.310	999	1017	1026	rBV7	41495	126947	3.68%	0.297%
17	4.368	1028	1035	1053	rVB3	47264	123312	3.57%	0.288%
18	4.503	1063	1077	1092	rBV2	415060	1086035	31.49%	2.540%
19	4.600	1093	1107	1120	rVV	650557	1817766	52.70%	4.252%
20	4.670	1122	1129	1160	rVB2	316359	919586	26.66%	2.151%
21	4.944	1203	1214	1224	rBV	424214	956393	27.73%	2.237%
22	5.008	1224	1234	1251	rVB	1140840	2575010	74.65%	6.023%
23	5.146	1267	1277	1294	rVB2	432266	1156649	33.53%	2.705%
24	5.535	1384	1398	1439	rBV	914849	2392776	69.37%	5.596%
25	5.860	1486	1499	1521	rBV5	63469	162511	4.71%	0.380%
26	6.027	1534	1551	1571	rBV8	157023	491935	14.26%	1.151%
27	6.121	1571	1580	1589	rBV4	32477	63750	1.85%	0.149%
28	6.178	1589	1598	1606	rBV3	45376	80752	2.34%	0.189%
29	6.285	1623	1631	1645	rVB6	20053	41985	1.22%	0.098%
30	6.384	1646	1662	1677	rVB4	81193	183927	5.33%	0.430%
31	6.574	1706	1721	1743	rVB2	283819	676739	19.62%	1.583%
32	6.696	1744	1759	1780	rBV3	359325	932499	27.03%	2.181%
33	6.902	1806	1823	1834	rBV8	50784	152717	4.43%	0.357%
34	7.092	1873	1882	1897	rVB6	79318	169414	4.91%	0.396%
35	7.185	1897	1911	1918	rBV5	121974	283088	8.21%	0.662%
36	7.236	1918	1927	1946	rVV	1408927	2656701	77.02%	6.214%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

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_V\Method\82V092225W.M
Title : SW846 8260

37	7.317	1949	1952	1960	rVV	65681	111046	3.22%	0.260%
38	7.362	1962	1966	1971	rVV4	66605	101048	2.93%	0.236%
39	7.400	1972	1978	2005	rVV2	113781	307817	8.92%	0.720%
40	7.510	2007	2012	2023	rVV6	23233	48760	1.41%	0.114%
41	7.577	2023	2033	2045	rVB2	132843	241548	7.00%	0.565%
42	7.709	2059	2074	2083	rBV4	95590	191403	5.55%	0.448%
43	7.767	2083	2092	2115	rVB2	120438	258225	7.49%	0.604%
44	7.873	2115	2125	2141	rVB5	37584	85623	2.48%	0.200%
45	8.066	2176	2185	2189	rBV2	42135	65122	1.89%	0.152%
46	8.153	2205	2212	2225	rVB7	64464	125684	3.64%	0.294%
47	8.439	2289	2301	2314	rBV6	38258	77929	2.26%	0.182%
48	8.516	2316	2325	2348	rBV7	29216	78334	2.27%	0.183%
49	8.776	2396	2406	2424	rBV	1508438	2571407	74.55%	6.014%
50	9.030	2477	2485	2488	rBV7	34627	49494	1.43%	0.116%
51	9.066	2489	2496	2510	rVB	151476	266806	7.73%	0.624%
52	9.239	2542	2550	2568	rVB8	31390	70657	2.05%	0.165%
53	9.403	2583	2601	2617	rVB10	37849	112598	3.26%	0.263%
54	9.481	2617	2625	2635	rBV3	27363	51397	1.49%	0.120%
55	9.628	2658	2671	2679	rBV4	37754	63846	1.85%	0.149%
56	9.728	2692	2702	2710	rBV4	17449	37471	1.09%	0.088%
57	9.857	2731	2742	2763	rBV	397946	681674	19.76%	1.594%
58	10.001	2777	2787	2812	rBV	1347099	2217171	64.28%	5.186%
59	10.281	2864	2874	2897	rBV	374950	719355	20.85%	1.682%
60	10.667	2983	2994	3006	rBV	94864	162860	4.72%	0.381%
61	10.982	3084	3092	3097	rBV	84400	126588	3.67%	0.296%
62	11.014	3098	3102	3115	rVB3	85066	117362	3.40%	0.274%
63	11.172	3141	3151	3170	rBV	1570559	2463506	71.42%	5.762%
64	11.384	3209	3217	3228	rVB	22069	37555	1.09%	0.088%
65	11.455	3228	3239	3258	rBV3	383576	935235	27.11%	2.187%
66	11.558	3263	3271	3292	rVB3	99714	194408	5.64%	0.455%
67	11.670	3299	3306	3317	rVB4	56954	87058	2.52%	0.204%
68	11.747	3322	3330	3341	rVB	37668	62796	1.82%	0.147%
69	11.944	3374	3391	3397	rBV2	72922	131146	3.80%	0.307%
70	12.043	3410	3422	3434	rBV	263713	471596	13.67%	1.103%
71	12.223	3473	3478	3490	rVB3	22328	39583	1.15%	0.093%
72	12.339	3494	3514	3526	rBV	295802	512835	14.87%	1.199%
73	12.477	3548	3557	3567	rBV4	46217	71742	2.08%	0.168%
74	12.612	3588	3599	3605	rBV4	44681	82779	2.40%	0.194%
75	12.651	3605	3611	3618	rVV	45663	64938	1.88%	0.152%
76	12.808	3650	3660	3674	rBV2	128725	210921	6.11%	0.493%

Sample Results: **VV039152.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

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_V\Method\82V092225W.M
Title : SW846 8260

77	12.972	3702	3711	3736	rVB3	68844	143707	4.17%	0.336%
78	13.143	3758	3764	3772	rVB5	23396	34597	1.00%	0.081%
79	13.197	3772	3781	3789	rBV	66074	103825	3.01%	0.243%
80	13.432	3841	3854	3863	rBV	83149	145154	4.21%	0.339%
81	14.159	4070	4080	4092	rBV3	18651	38678	1.12%	0.090%
82	14.747	4253	4263	4276	rBV3	24069	49153	1.42%	0.115%

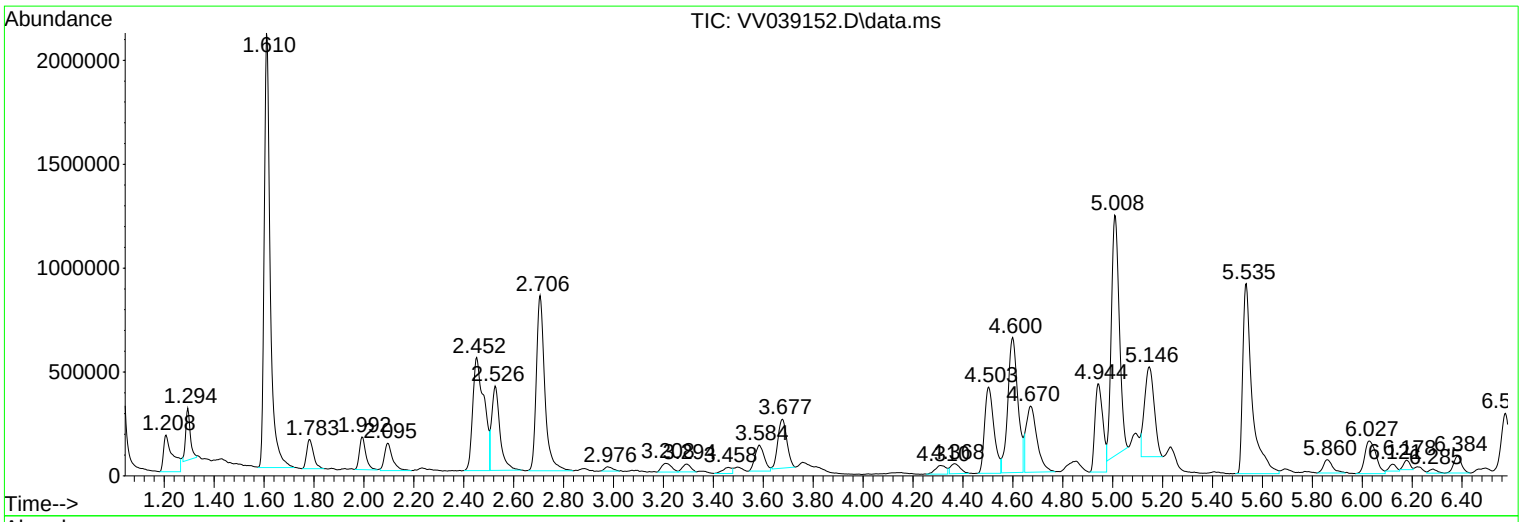
Sum of corrected areas: 42755667

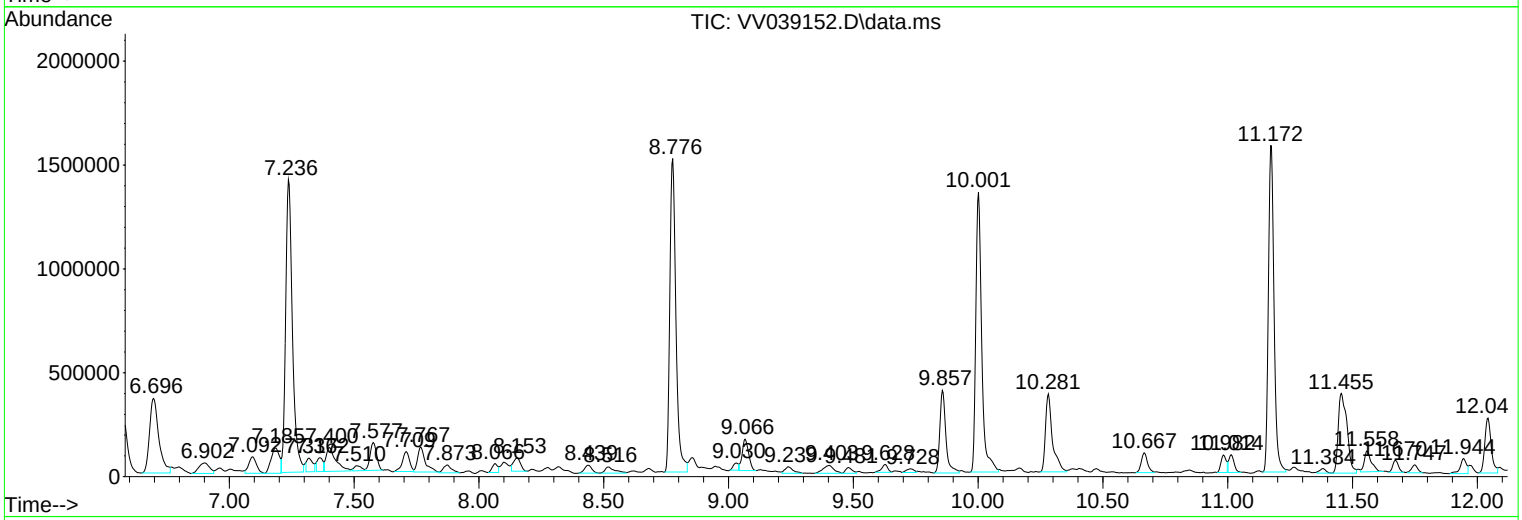
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

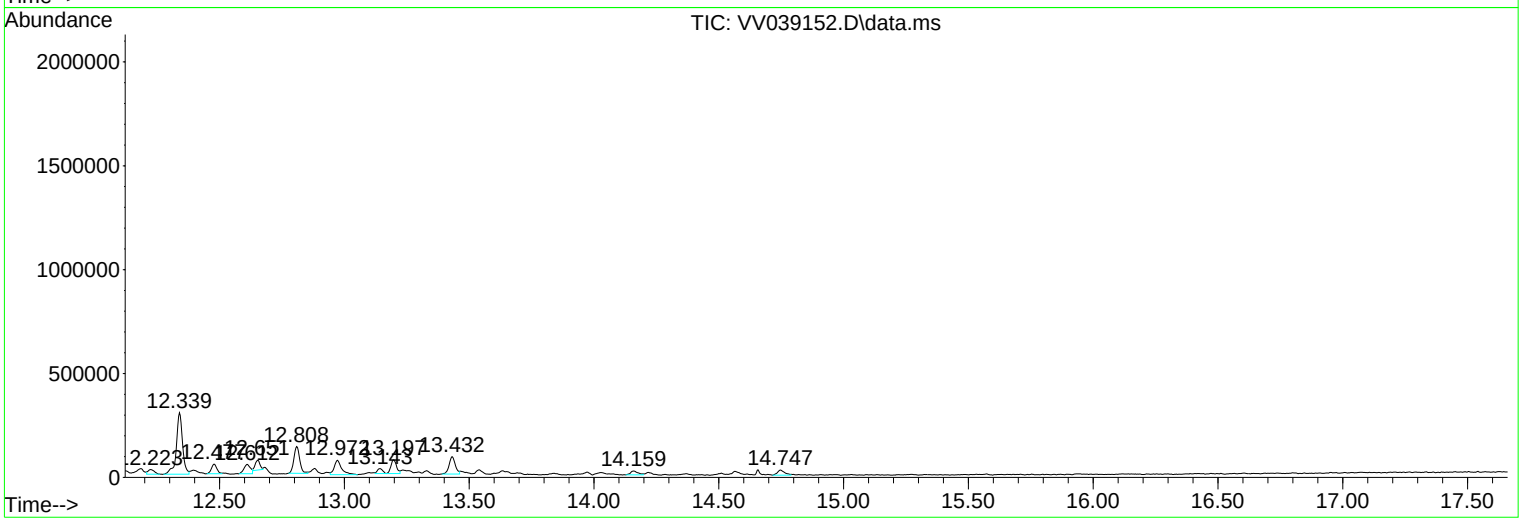
Instrument :
MSVOA_V
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

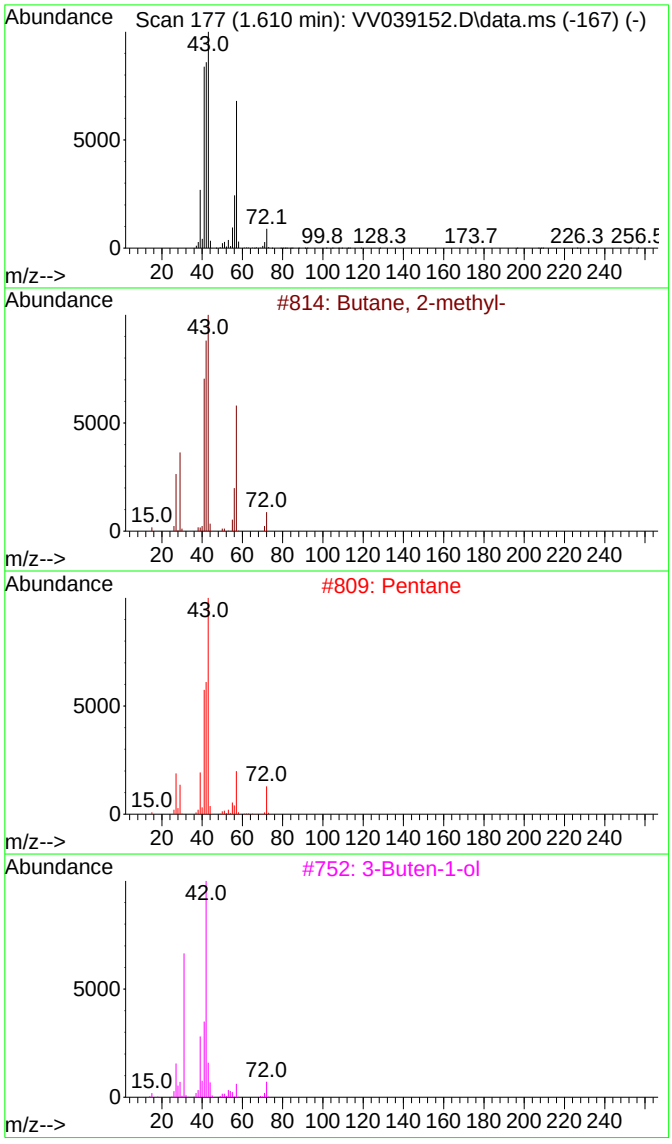
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

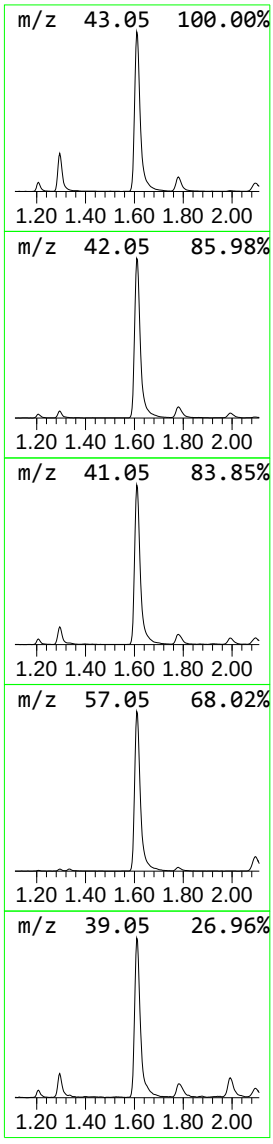
****

Peak Number 3 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.610	94.88 ug/l	3449340	Pentafluorobenzene	4.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	87
2	Pentane	72	C5H12	000109-66-0	45
3	3-Buten-1-ol	72	C4H8O	000627-27-0	28
4	1-Butene	56	C4H8	000106-98-9	14
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

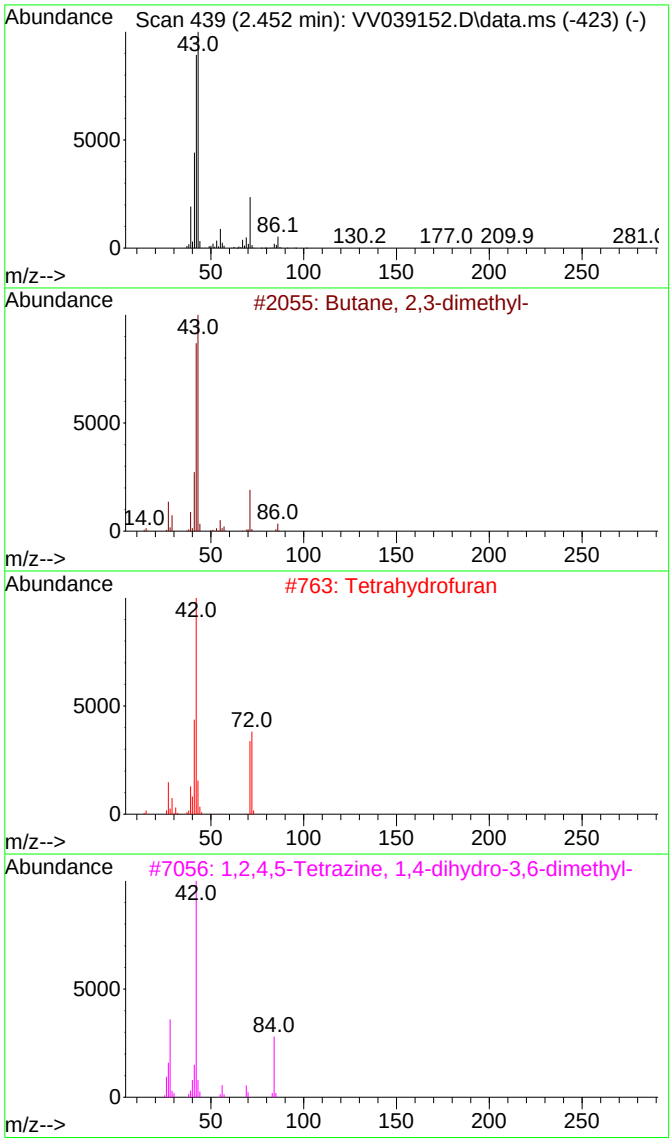
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

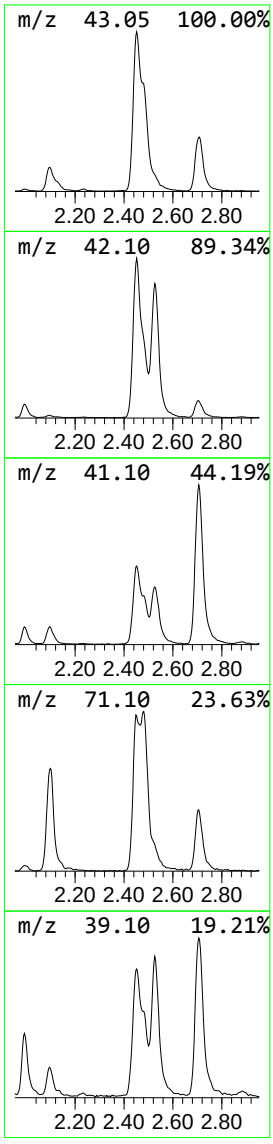
****

Peak Number 4 Butane, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.452	47.11 ug/l	1712870	Pentafluorobenzene	4.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Tetrahydrofuran	72	C4H8O	000109-99-9	36
3	1,2,4,5-Tetrazine, 1,4-dihydro-3...	112	C4H8N4	037454-64-1	33
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	25
5	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

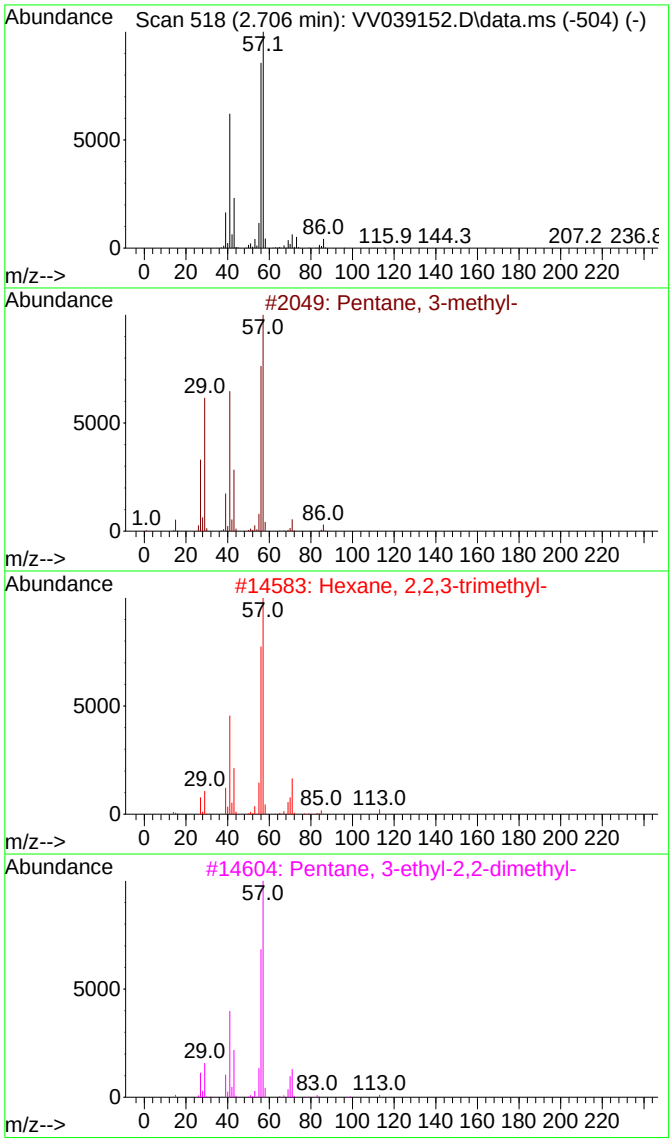
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

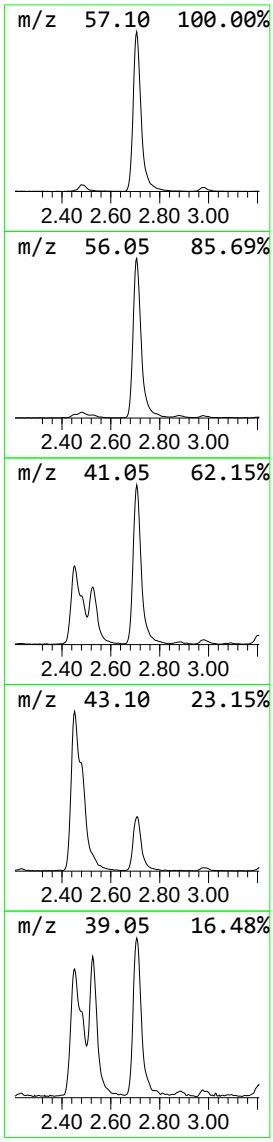
****

Peak Number 6 Pentane, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.706	54.70 ug/l	1988700	Pentafluorobenzene	4.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	50
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

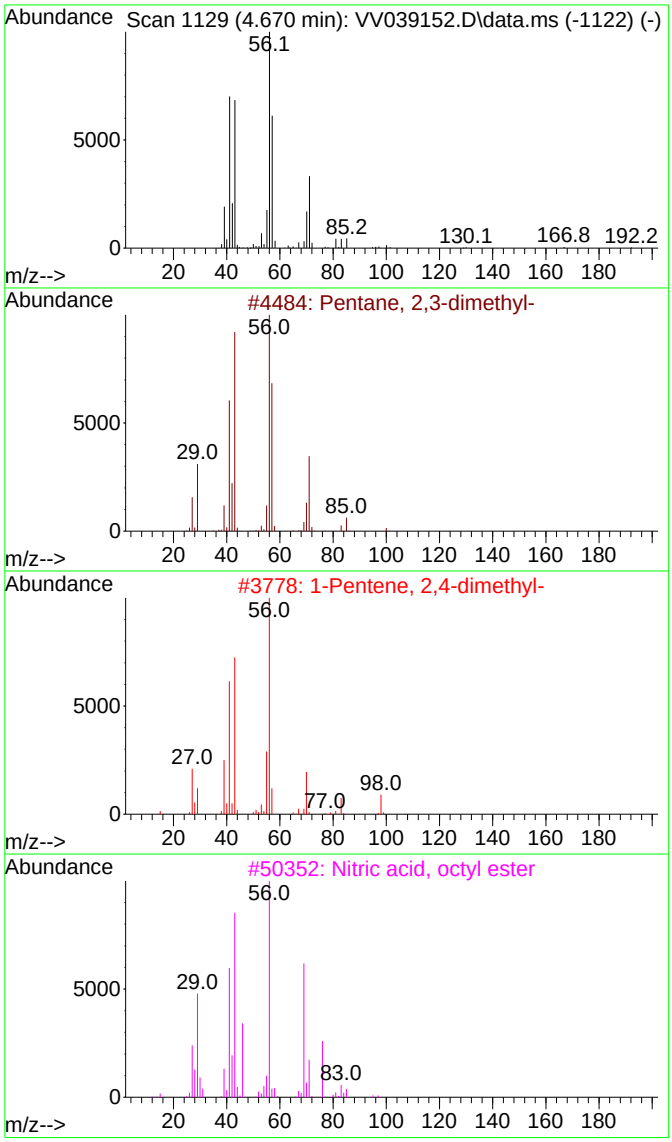
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

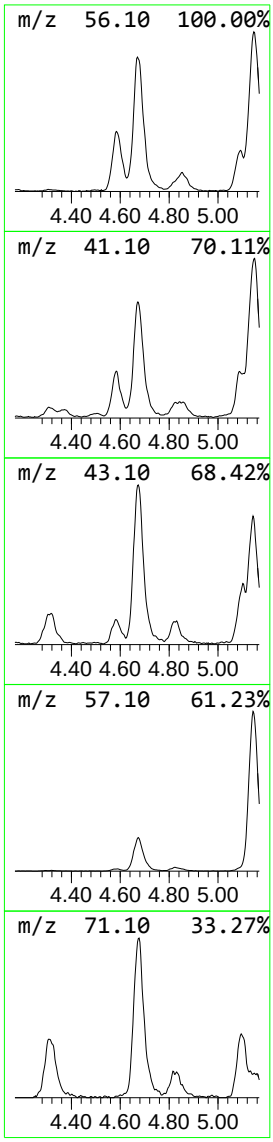
****

Peak Number 9 Pentane, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.670	25.29 ug/l	919586	Pentafluorobenzene	4.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	53
3	Nitric acid, octyl ester	175	C8H17NO3	000629-39-0	50
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	40
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	38





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On    : 24 Sep 2025  15:08
Operator  : SY/MD
Sample    : Q3173-01
Misc      : 5.0mL/MSVOA_V/WATER
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title  : SW846 8260

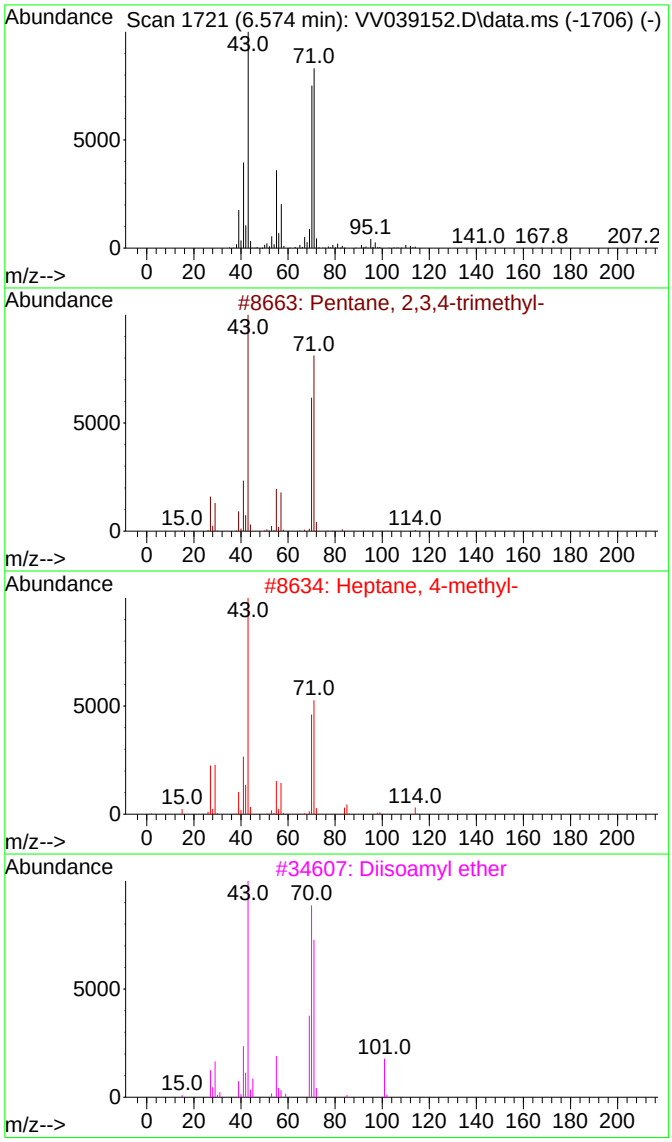
TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

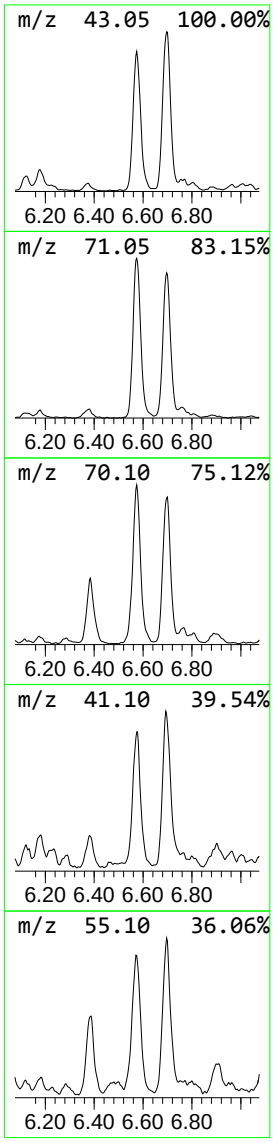
Instrument :
MSVOA_V
ClientSampleId :
OBS1

Peak Number 11 Pentane, 2,3,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.574	14.14 ug/l	676739	1,4-Difluorobenzene	5.535

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3	Diisoamyl ether	158	C10H22O	000544-01-4	78
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	78
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

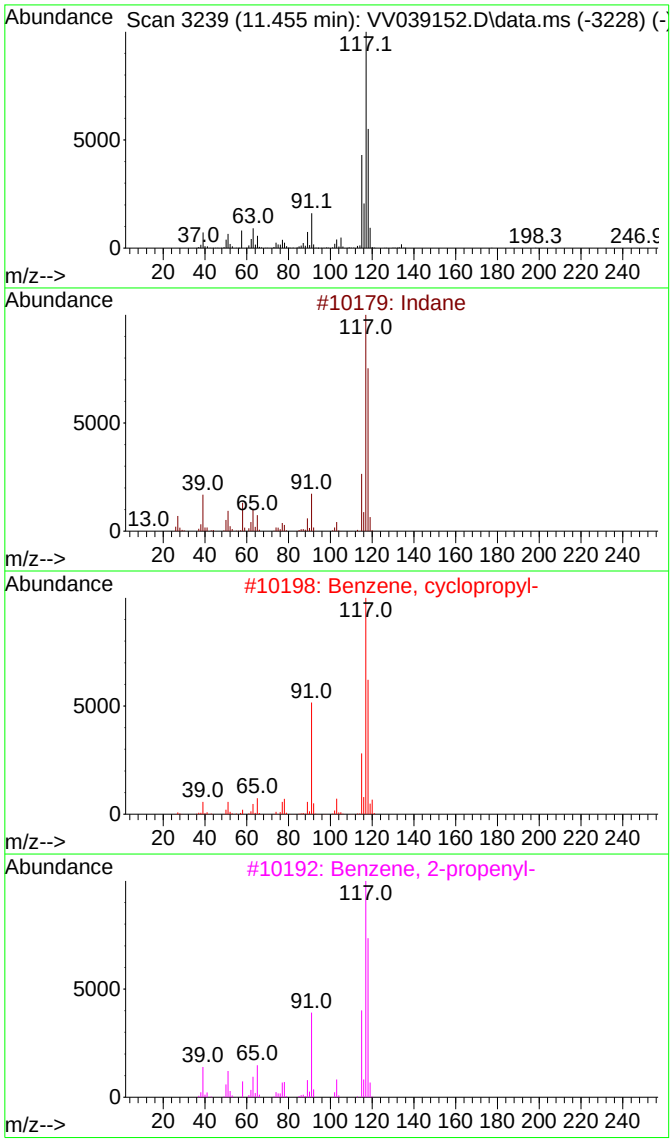
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

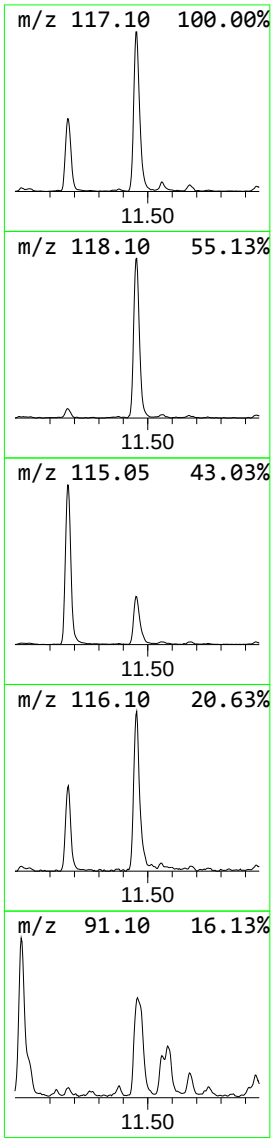
****

Peak Number 13 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.455	18.98 ug/l	935235	1,4-Dichlorobenzene-d4	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	58
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	58
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	43
5	Indole	117	C8H7N	000120-72-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

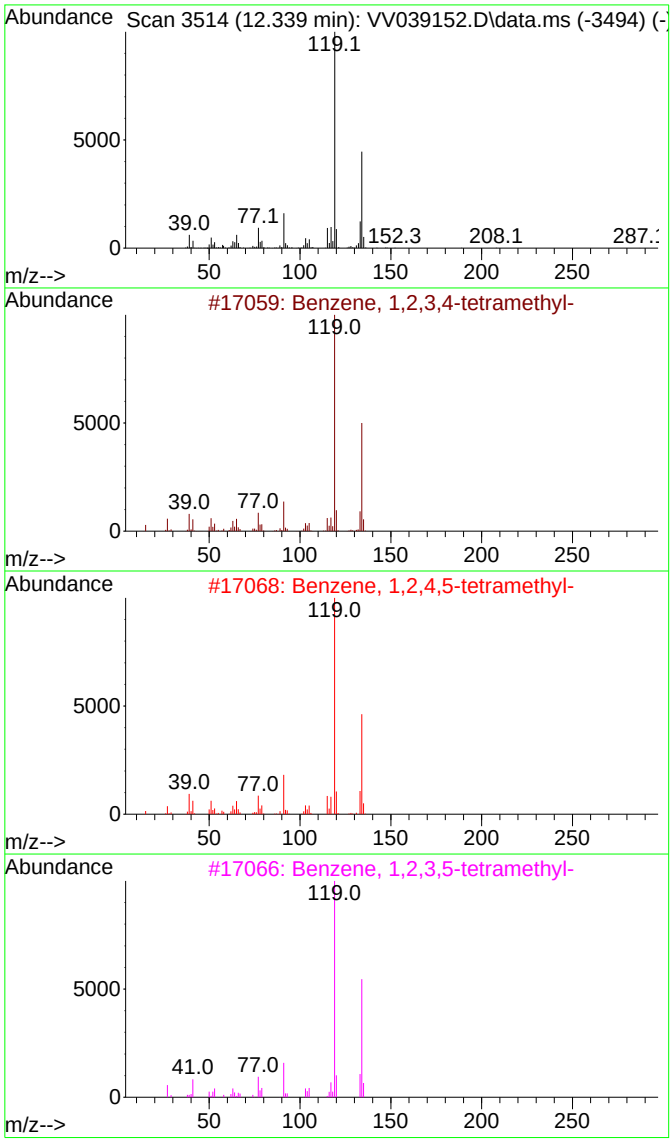
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

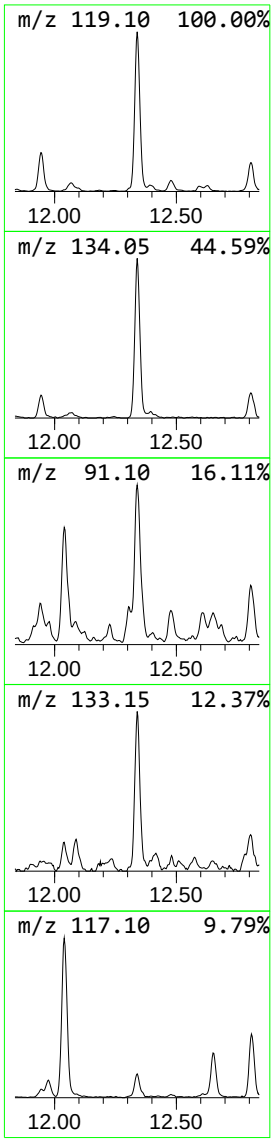
****

Peak Number 15 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	10.41 ug/l	512835	1,4-Dichlorobenzene-d4	11.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039152.D
Acq On : 24 Sep 2025 15:08
Operator : SY/MD
Sample : Q3173-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OBS1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	1.610	94.9	ug/l	3449340	1	4.600	1817770	50.0
Butane, 2,3-dim...	2.452	47.1	ug/l	1712870	1	4.600	1817770	50.0
Pentane, 3-methyl-	2.706	54.7	ug/l	1988700	1	4.600	1817770	50.0
Pentane, 2,3-di...	4.670	25.3	ug/l	919586	1	4.600	1817770	50.0
Pentane, 2,3,4-...	6.574	14.1	ug/l	676739	2	5.535	2392780	50.0
Indane	11.455	19.0	ug/l	935235	4	11.175	2463510	50.0
Benzene, 1,2,3,...	12.339	10.4	ug/l	512835	4	11.175	2463510	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039151.D
Acq On : 24 Sep 2025 14:46
Operator : SY/MD
Sample : Q3173-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
Field Blank

Quant Time: Sep 25 04:46:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

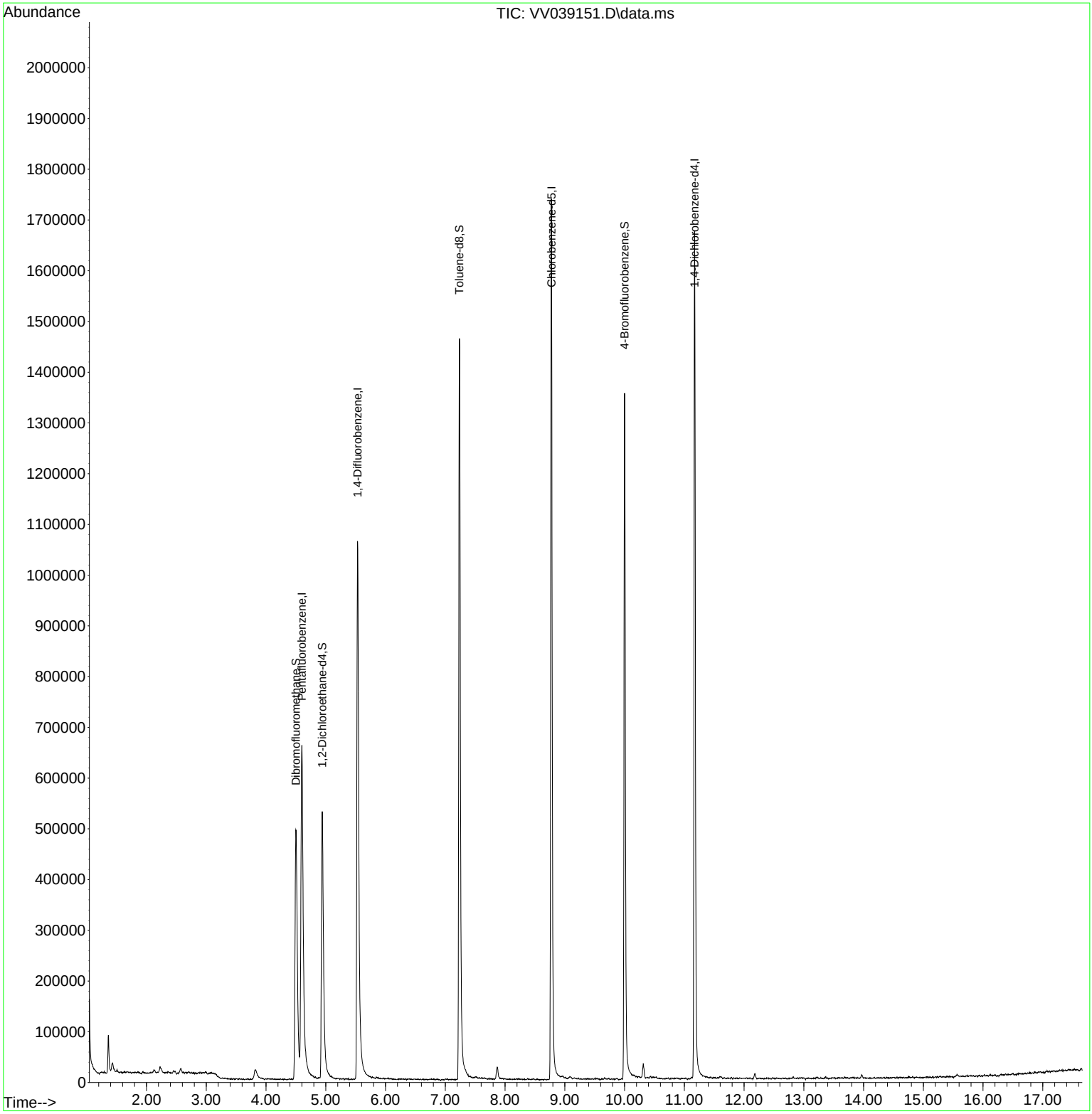
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	552493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1029152	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	962323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	434712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	462839	57.882	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 115.760%			
35) Dibromofluoromethane	4.500	113	418508	50.584	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 101.160%			
50) Toluene-d8	7.236	98	1060720	43.652	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 87.300%#			
62) 4-Bromofluorobenzene	10.001	95	446507	44.635	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 89.280%			
Target Compounds						Qvalue

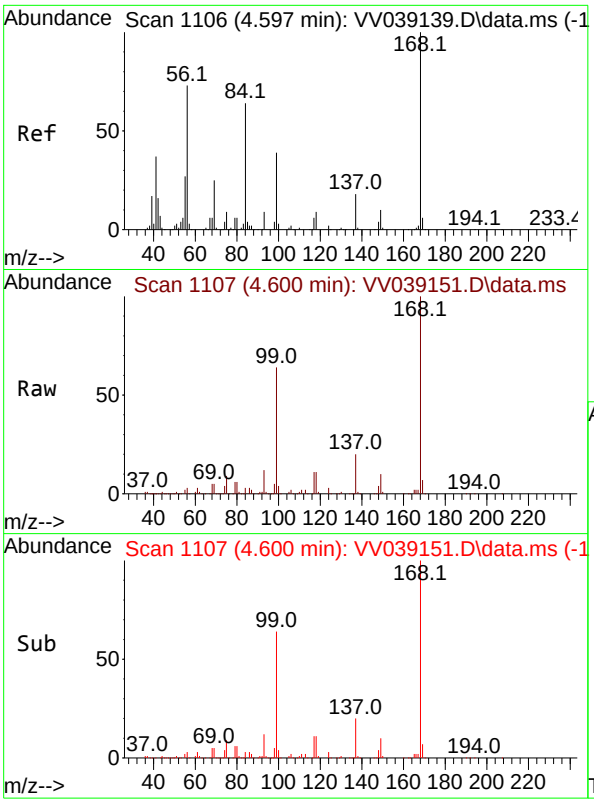
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039151.D
Acq On : 24 Sep 2025 14:46
Operator : SY/MD
Sample : Q3173-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
Field Blank

Quant Time: Sep 25 04:46:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration



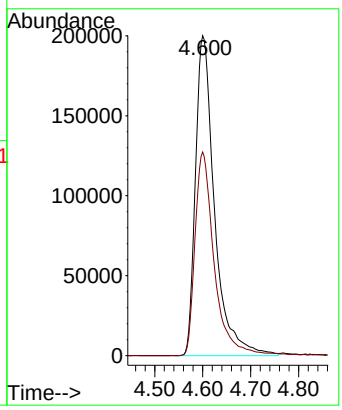


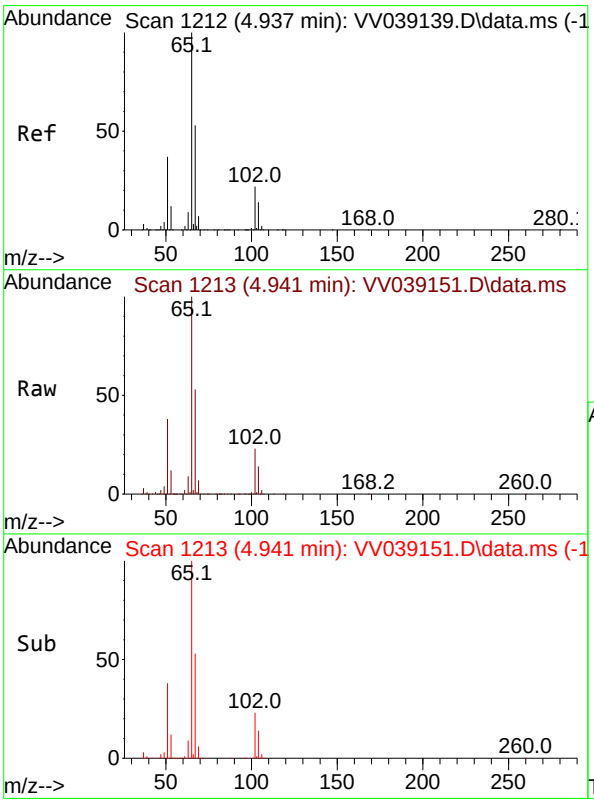
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039151.D
Acq: 24 Sep 2025 14:46

Instrument :
MSVOA_V
ClientSampleId :
Field Blank

Tgt Ion:168 Resp: 552493

Ion	Ratio	Lower	Upper
168	100		
99	63.6	49.6	74.4

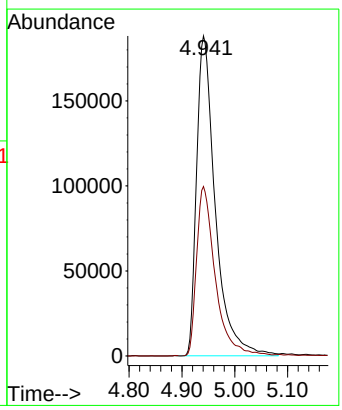


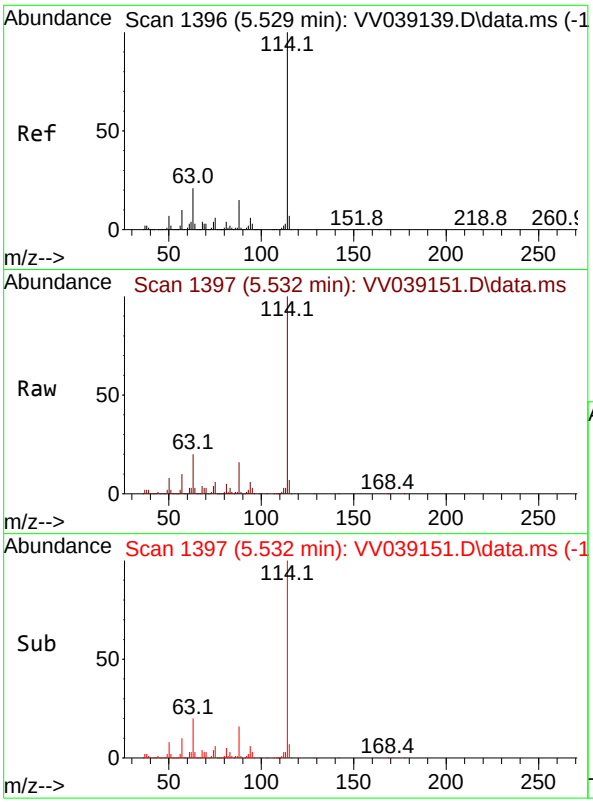


#33
1,2-Dichloroethane-d4
Concen: 57.882 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV039151.D
Acq: 24 Sep 2025 14:46

Tgt Ion: 65 Resp: 462839

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.0



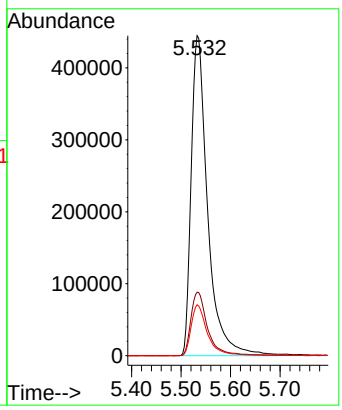


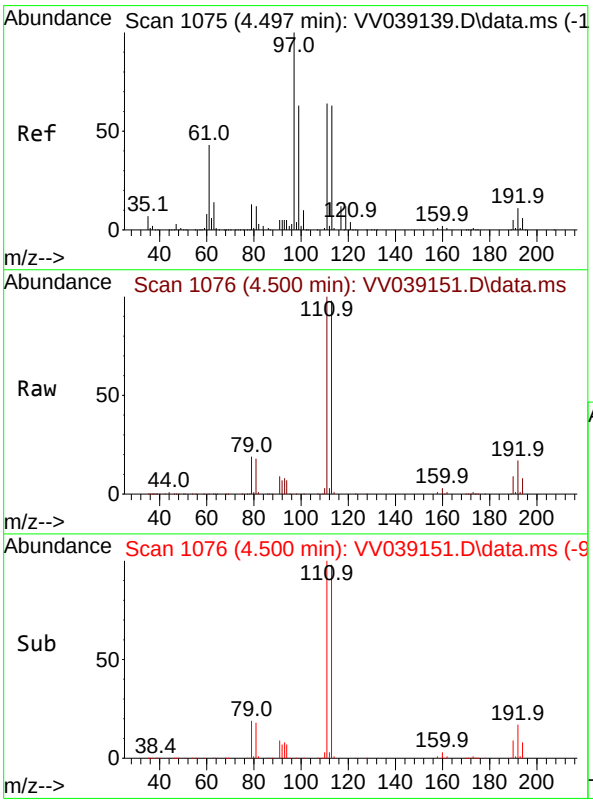
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039151.D
Acq: 24 Sep 2025 14:46

Instrument :
MSVOA_V
ClientSampleId :
Field Blank

Tgt Ion:114 Resp: 1029152

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.6
88	15.9	0.0	30.8

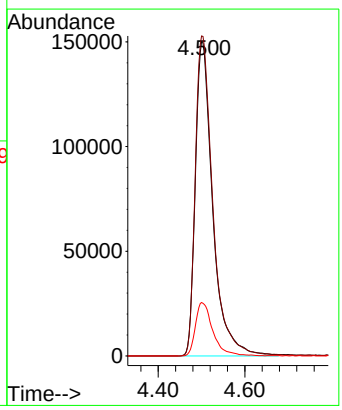


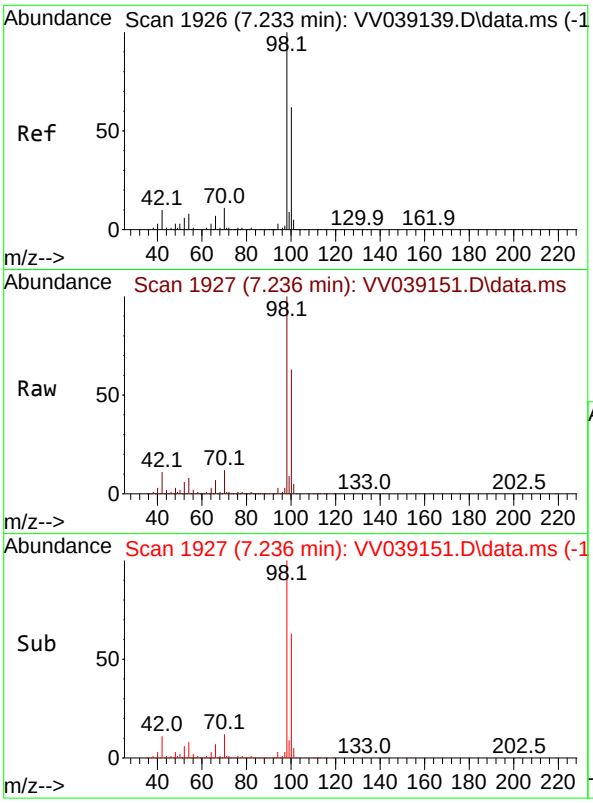


#35
Dibromofluoromethane
Concen: 50.584 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.003 min
Lab File: VV039151.D
Acq: 24 Sep 2025 14:46

Tgt Ion:113 Resp: 418508

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	17.0	13.8	20.8



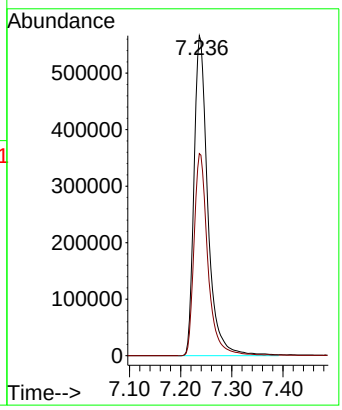


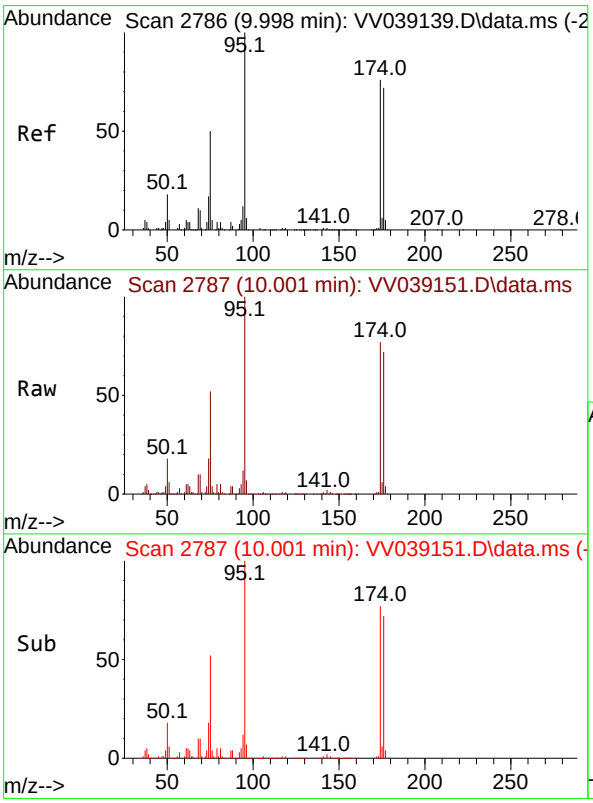
#50
Toluene-d8
Concen: 43.652 ug/l
RT: 7.236 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039151.D
Acq: 24 Sep 2025 14:46

Instrument :
MSVOA_V
ClientSampleId :
Field Blank

Tgt Ion: 98 Resp: 1060720

Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.2	78.2

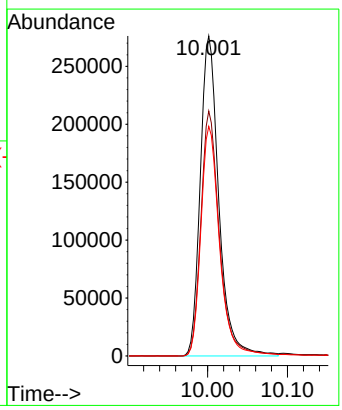


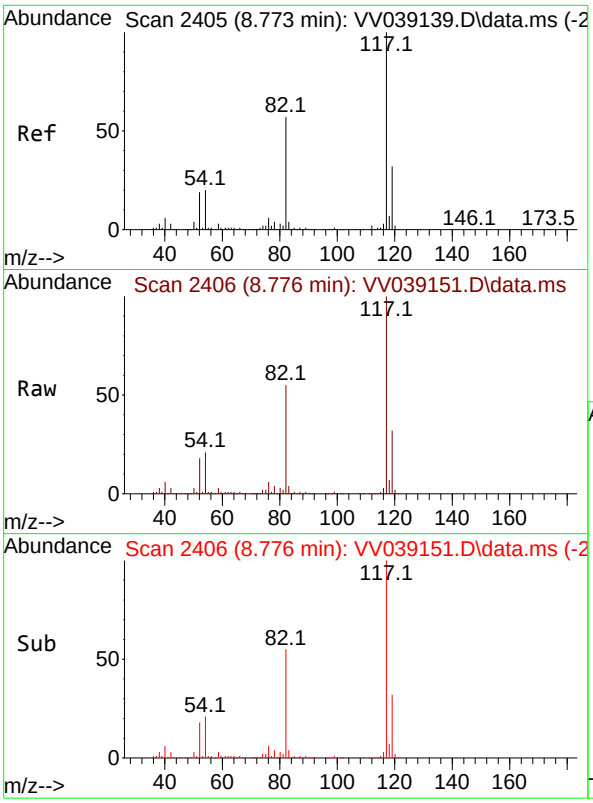


#62
4-Bromofluorobenzene
Concen: 44.635 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039151.D
Acq: 24 Sep 2025 14:46

Tgt Ion: 95 Resp: 446507

Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	150.4
176	72.8	0.0	144.2



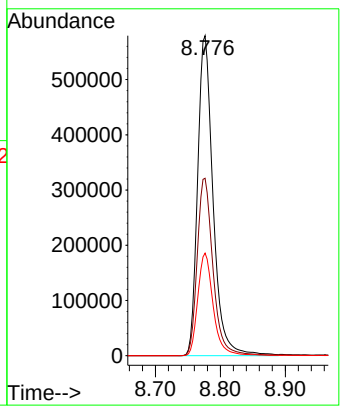


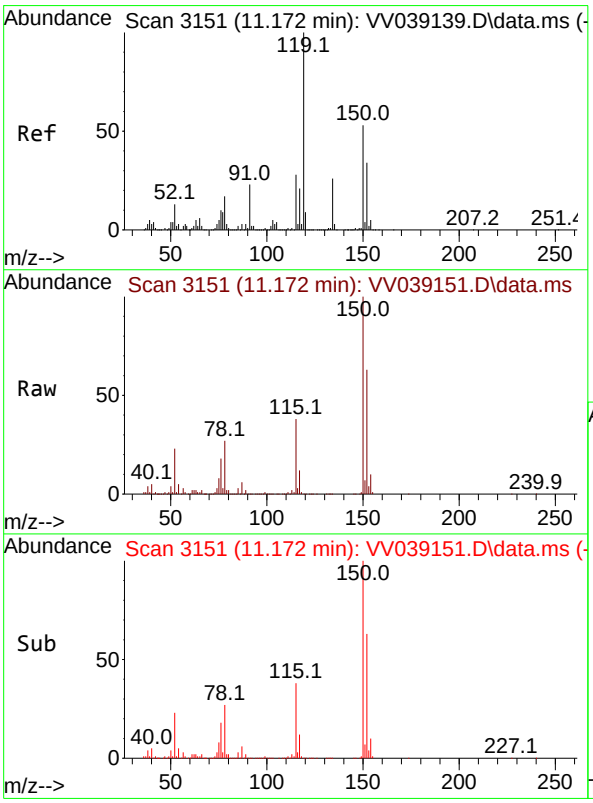
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV039151.D
Acq: 24 Sep 2025 14:46

Instrument :
MSVOA_V
ClientSampleId :
Field Blank

Tgt Ion:117 Resp: 962323

Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.4	68.2
119	32.0	25.6	38.4

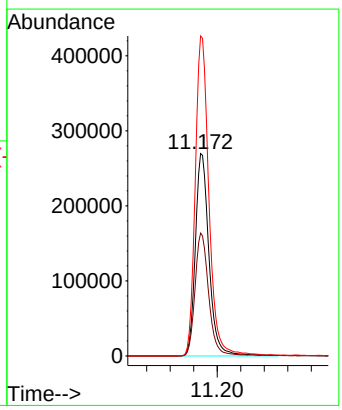




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039151.D
Acq: 24 Sep 2025 14:46

Tgt Ion:152 Resp: 434712

Ion	Ratio	Lower	Upper
152	100		
115	60.7	44.8	134.4
150	158.3	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039151.D
Acq On : 24 Sep 2025 14:46
Operator : SY/MD
Sample : Q3173-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
Field Blank

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_V\Method\82V092225W.M
Title : SW846 8260

Signal : TIC: VV039151.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.362	93	100	111	rBV	73641	97370	3.31%	0.546%
2	3.822	848	865	877	rBV2	19325	59637	2.03%	0.335%
3	4.500	1059	1076	1095	rBV	492405	1312070	44.62%	7.363%
4	4.600	1095	1107	1144	rVB	648701	1788563	60.83%	10.037%
5	4.941	1201	1213	1247	rBV	524916	1284119	43.67%	7.206%
6	5.532	1386	1397	1448	rBV	1059038	2465885	83.86%	13.838%
7	7.236	1916	1927	1971	rBV	1460339	2811736	95.63%	15.779%
8	7.870	2113	2124	2138	rBV4	23505	48126	1.64%	0.270%
9	8.776	2394	2406	2442	rBV	1735610	2940347	100.00%	16.501%
10	10.001	2777	2787	2824	rBV	1352231	2247837	76.45%	12.614%
11	10.313	2872	2884	2895	rVB2	28362	51881	1.76%	0.291%
12	11.172	3139	3151	3184	rBV	1669318	2712100	92.24%	15.220%

Sum of corrected areas: 17819671

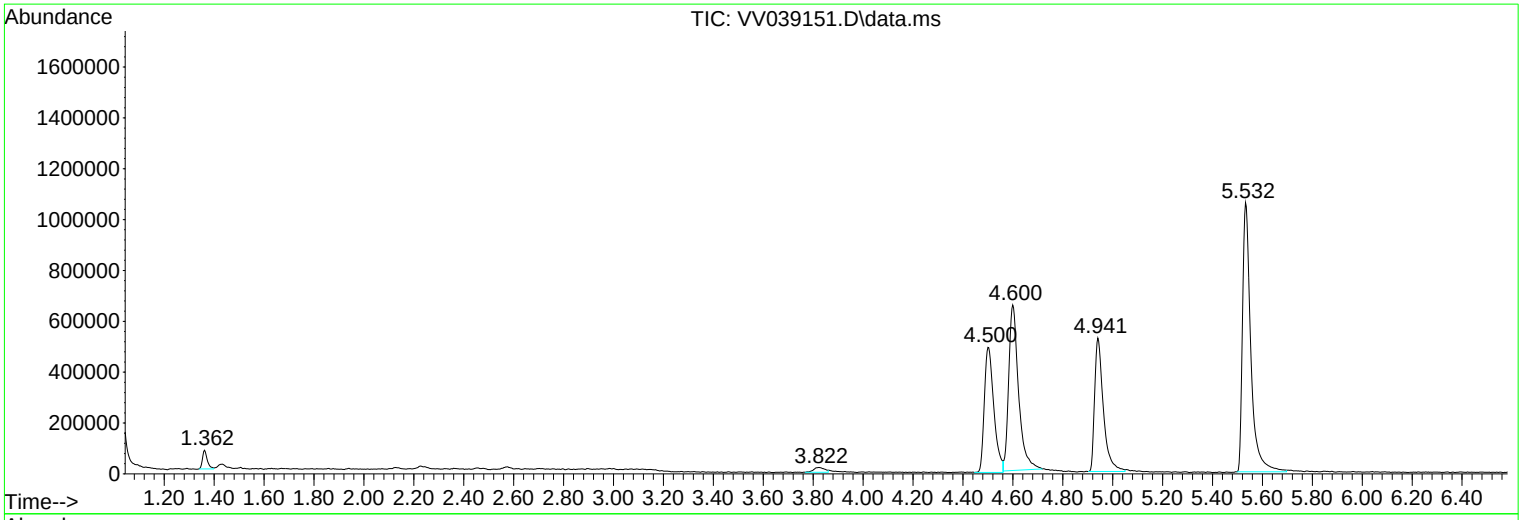
Sample Results: **VV039151.D**

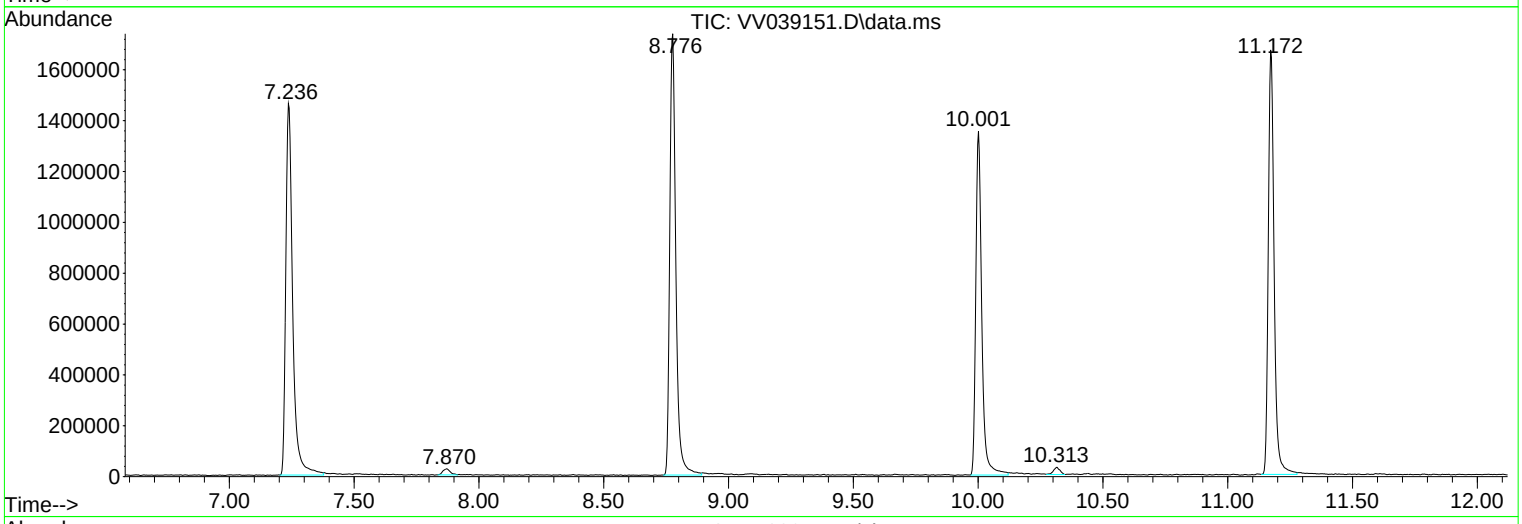
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039151.D
Acq On : 24 Sep 2025 14:46
Operator : SY/MD
Sample : Q3173-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

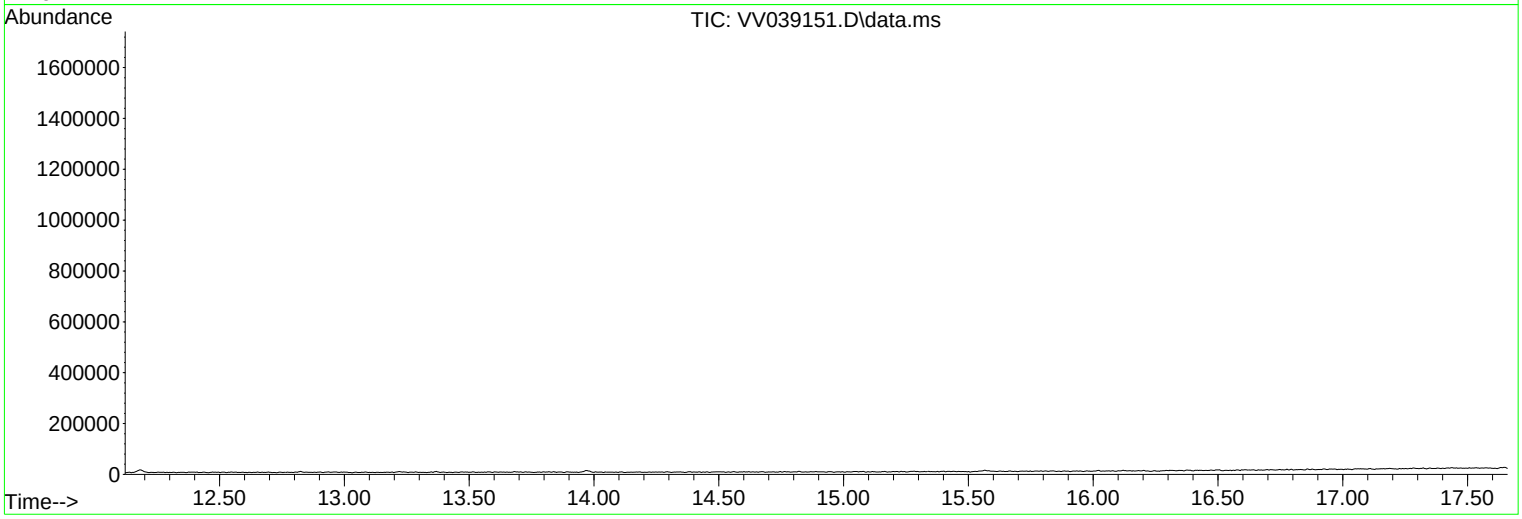
Instrument :
MSVOA_V
ClientSampleId :
Field Blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039151.D
Acq On : 24 Sep 2025 14:46
Operator : SY/MD
Sample : Q3173-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
Field Blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.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_V\DATA\VV092425\
Data File : VV039151.D
Acq On : 24 Sep 2025 14:46
Operator : SY/MD
Sample : Q3173-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
Field Blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Quant Time: Sep 25 04:44:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.596	168	463770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	858892	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	831675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	379013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	417696	62.230	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 124.460%#			
35) Dibromofluoromethane	4.497	113	376781	54.568	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 109.140%			
50) Toluene-d8	7.236	98	894968	44.132	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.260%#			
62) 4-Bromofluorobenzene	10.001	95	400947	48.026	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 96.060%			

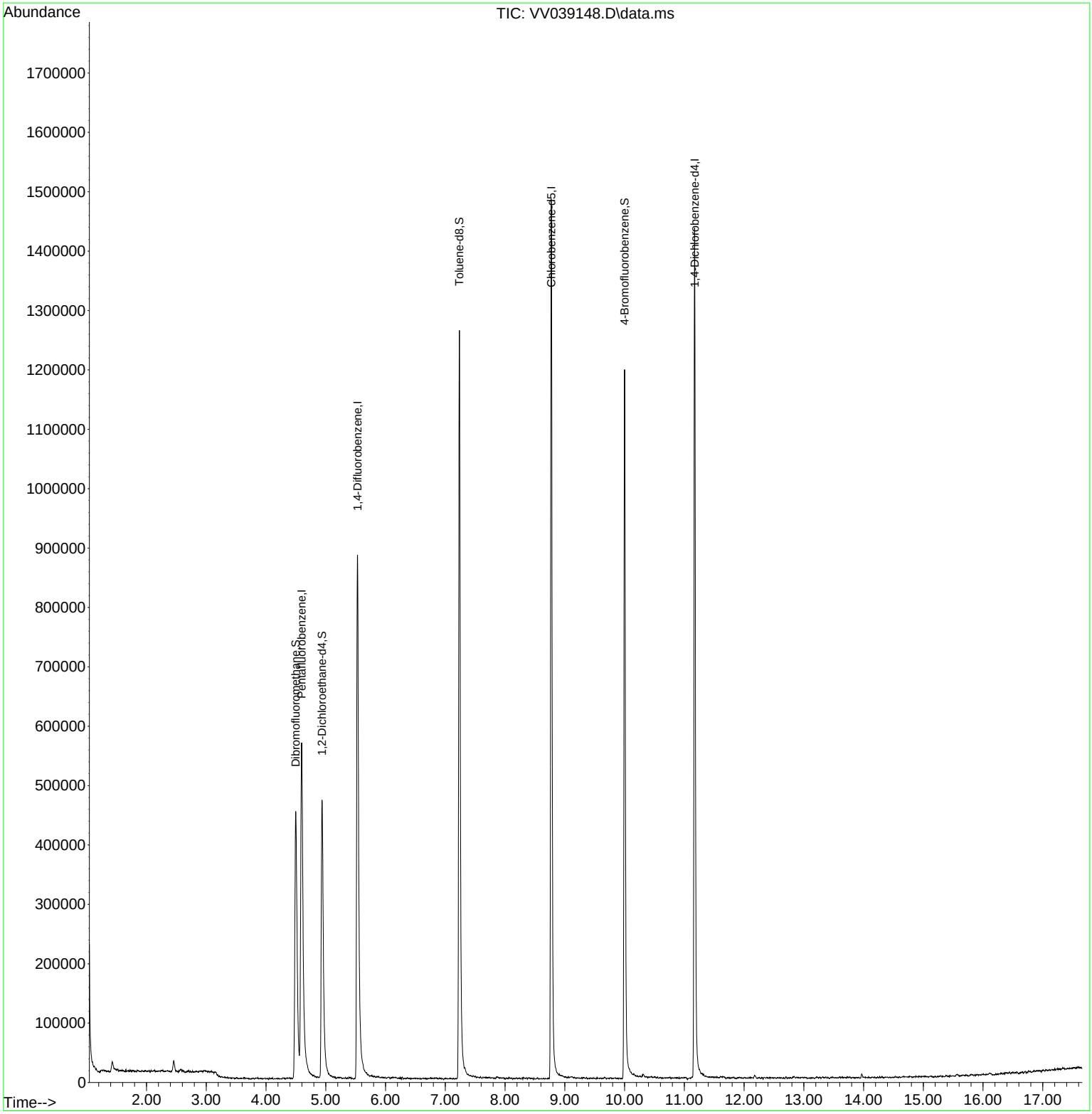
Target Compounds Qvalue

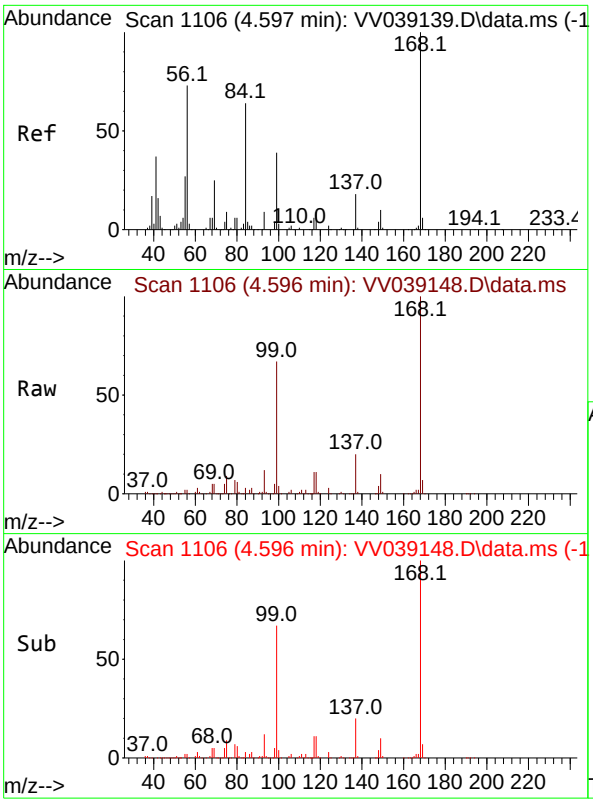
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Quant Time: Sep 25 04:44:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration



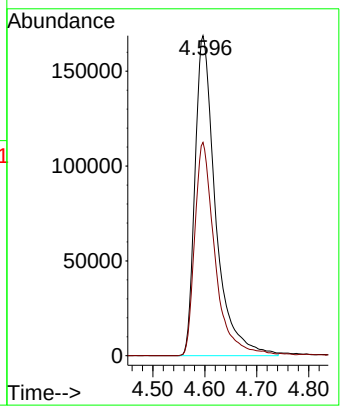


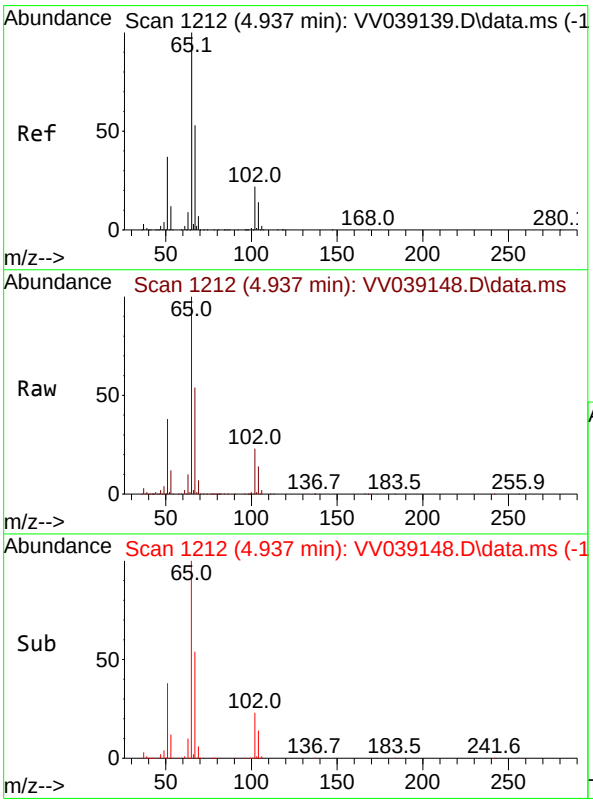
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 11
Delta R.T. -0.001 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Tgt Ion:168 Resp: 463770

Ion	Ratio	Lower	Upper
168	100		
99	66.7	49.6	74.4

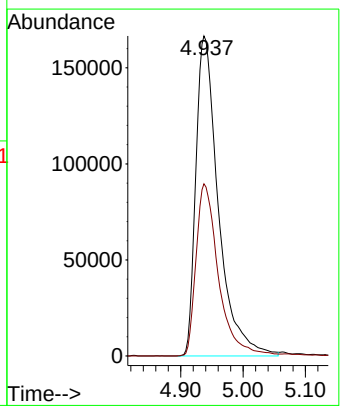


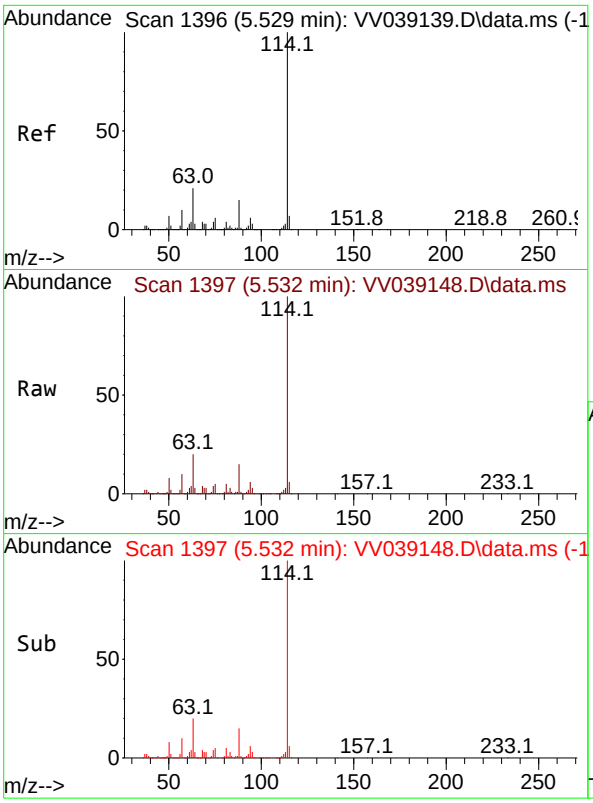


#33
1,2-Dichloroethane-d4
Concen: 62.230 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 65 Resp: 417696

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.0



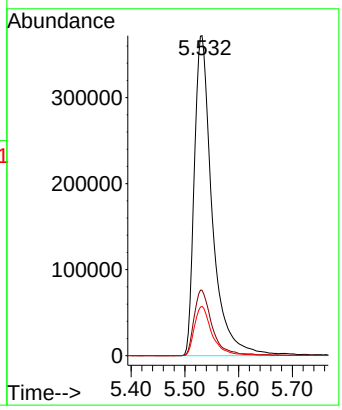


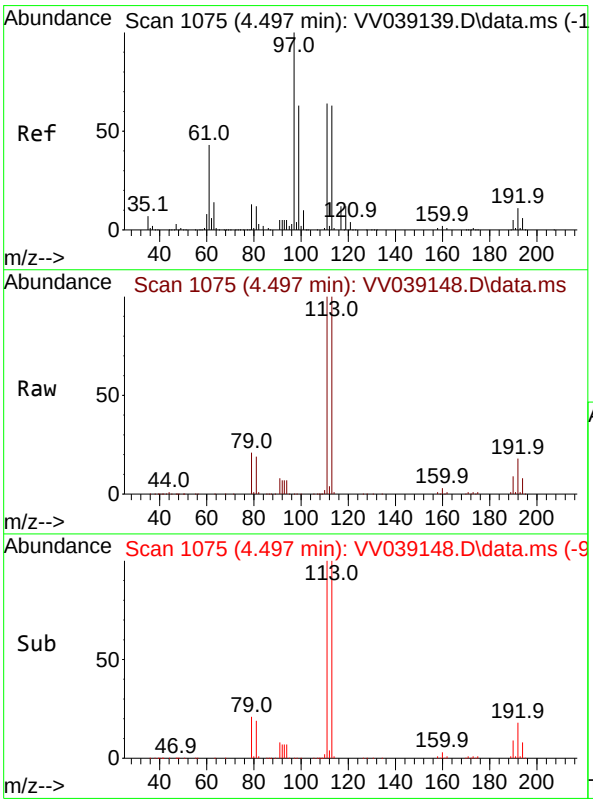
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Tgt Ion:114 Resp: 858892

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.6
88	15.4	0.0	30.8

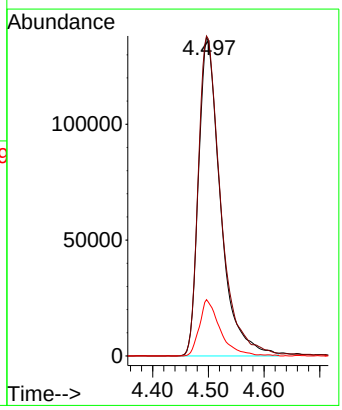


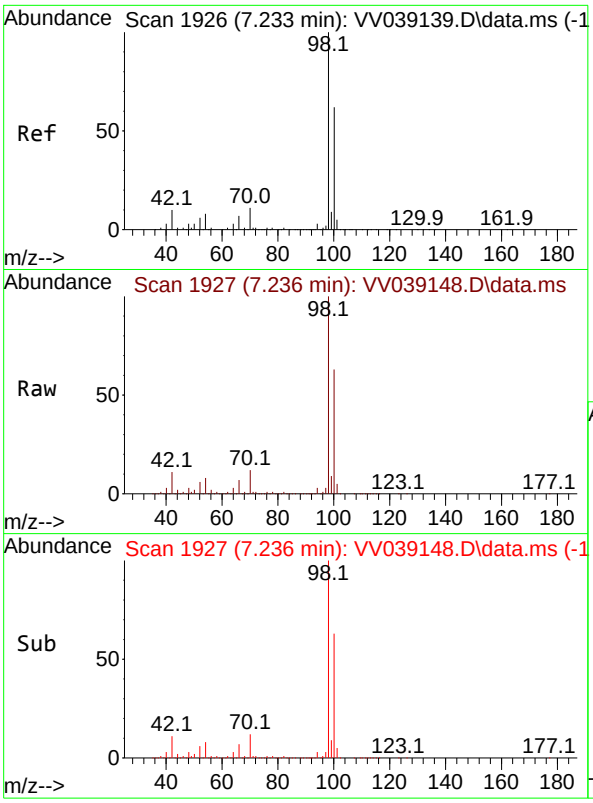


#35
Dibromofluoromethane
Concen: 54.568 ug/l
RT: 4.497 min Scan# 1075
Delta R.T. -0.000 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion:113 Resp: 376781

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	16.6	13.8	20.8



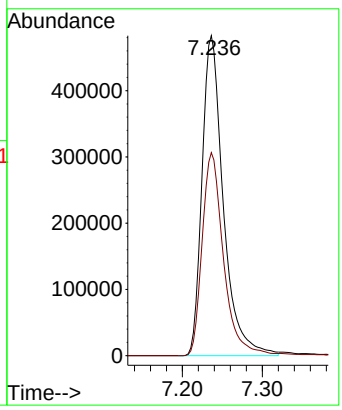


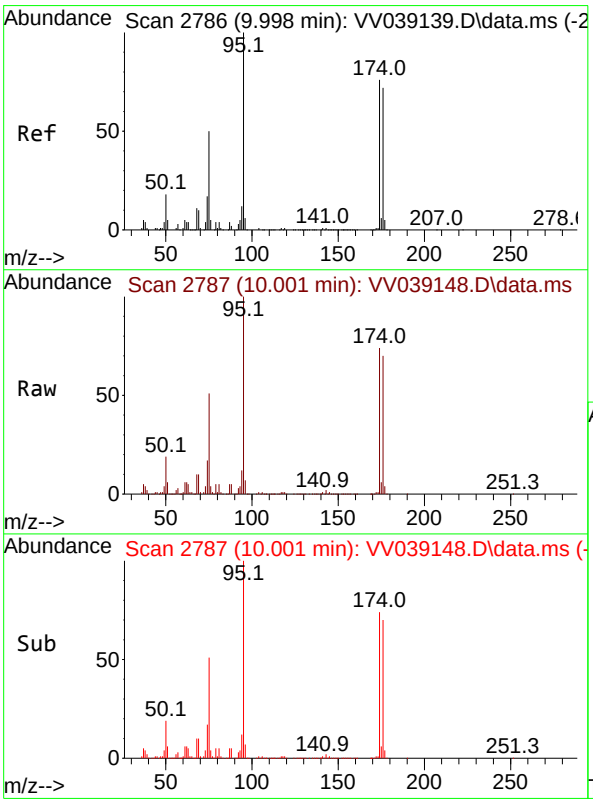
#50
Toluene-d8
Concen: 44.132 ug/l
RT: 7.236 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Tgt Ion: 98 Resp: 894968

Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.2	78.2

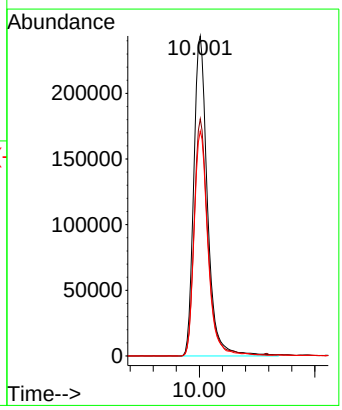


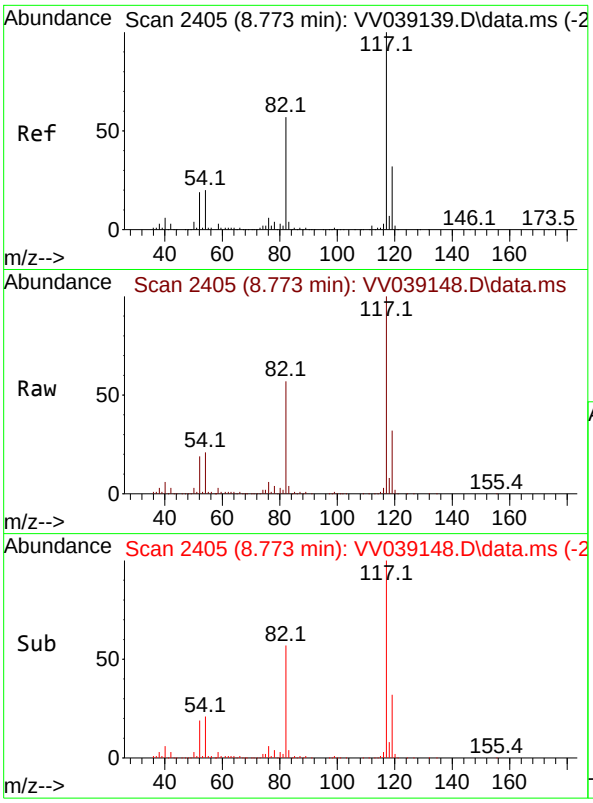


#62
4-Bromofluorobenzene
Concen: 48.026 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 95 Resp: 400947

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	150.4
176	70.4	0.0	144.2



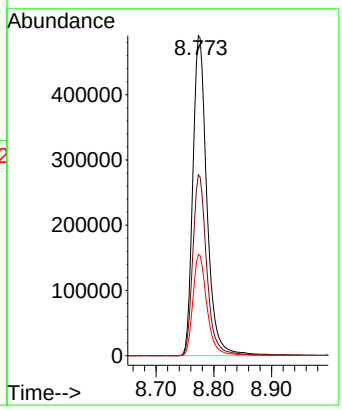


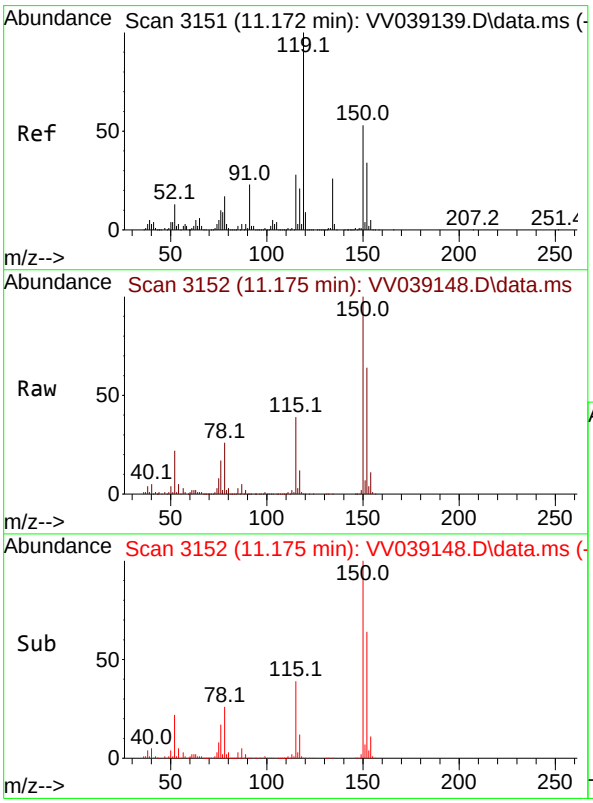
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Tgt Ion:117 Resp: 831675

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.4	68.2
119	31.7	25.6	38.4

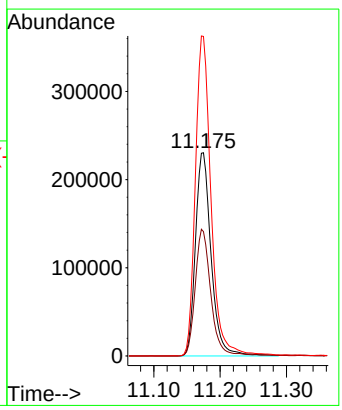




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion:152 Resp: 379013

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.8	134.4
150	157.4	0.0	353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

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_V\Method\82V092225W.M
Title : SW846 8260

Signal : TIC: VV039148.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.426	111	120	130	rBV5	16630	35090	1.38%	0.230%
2	2.455	433	440	451	rVB4	18087	31588	1.24%	0.207%
3	4.497	1057	1075	1094	rBV2	450386	1192254	46.76%	7.800%
4	4.596	1094	1106	1145	rVB2	557832	1545205	60.61%	10.110%
5	4.937	1195	1212	1245	rBV	467561	1171324	45.94%	7.664%
6	5.532	1383	1397	1433	rBV	882266	2082399	81.67%	13.624%
7	7.236	1915	1927	1952	rBV	1260224	2372338	93.05%	15.521%
8	8.773	2395	2405	2443	rBV	1482069	2549623	100.00%	16.681%
9	10.001	2776	2787	2809	rBV	1194118	1970915	77.30%	12.895%
10	11.172	3140	3151	3175	rBV	1430252	2333631	91.53%	15.268%

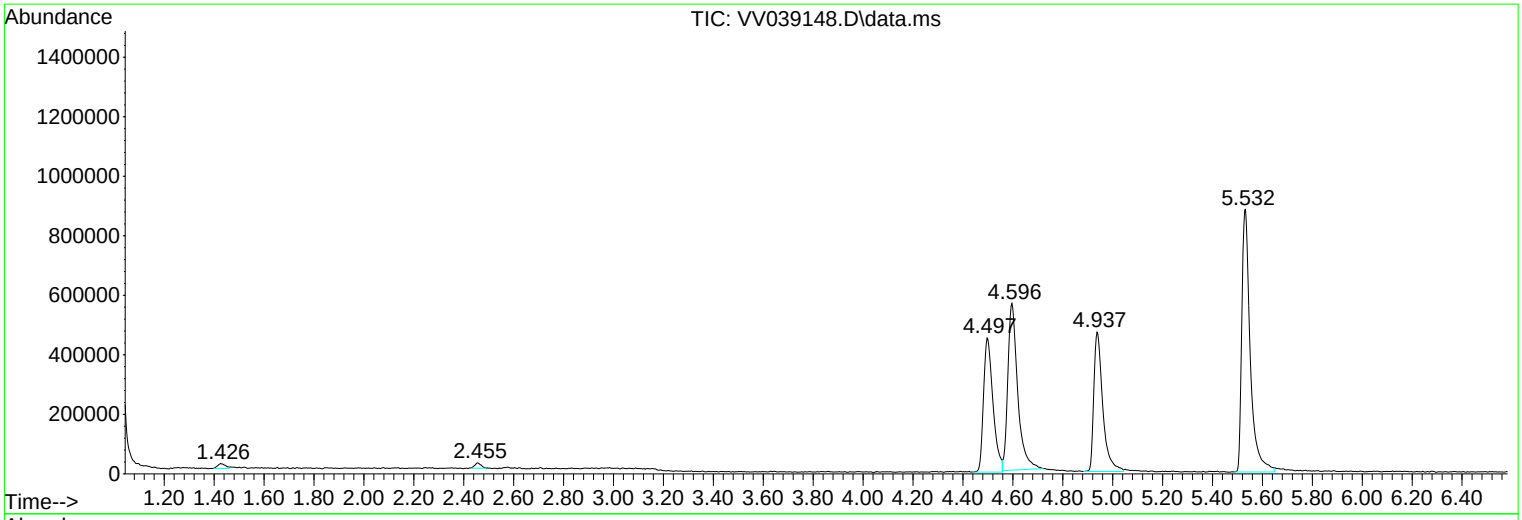
Sum of corrected areas: 15284367

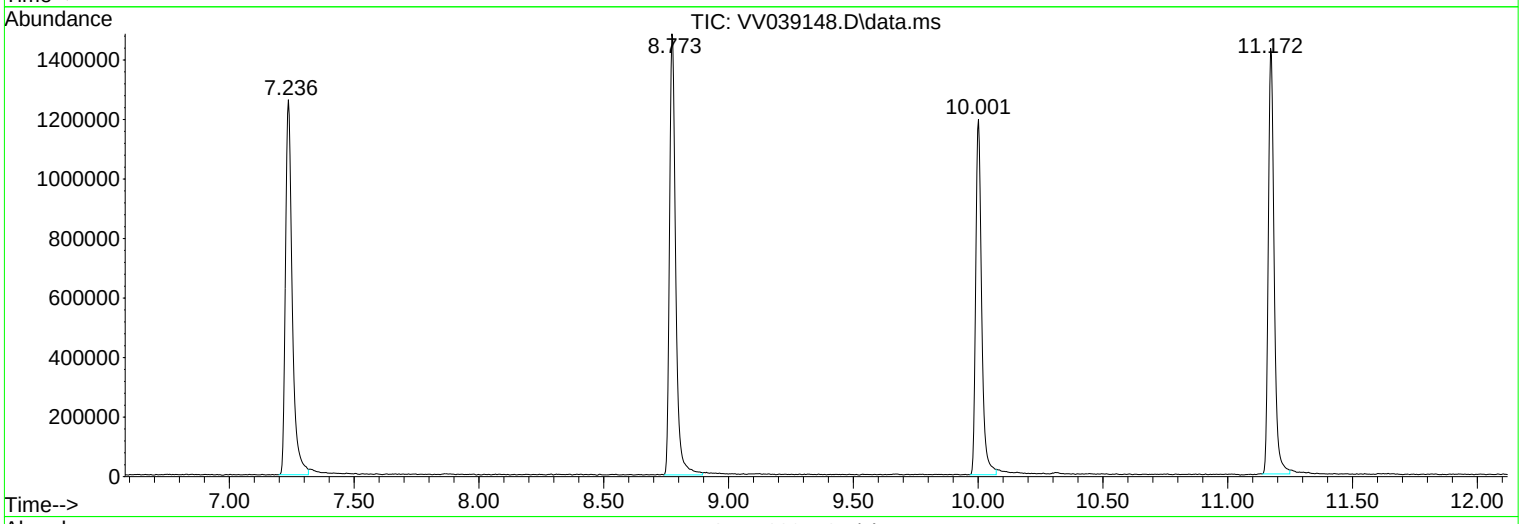
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

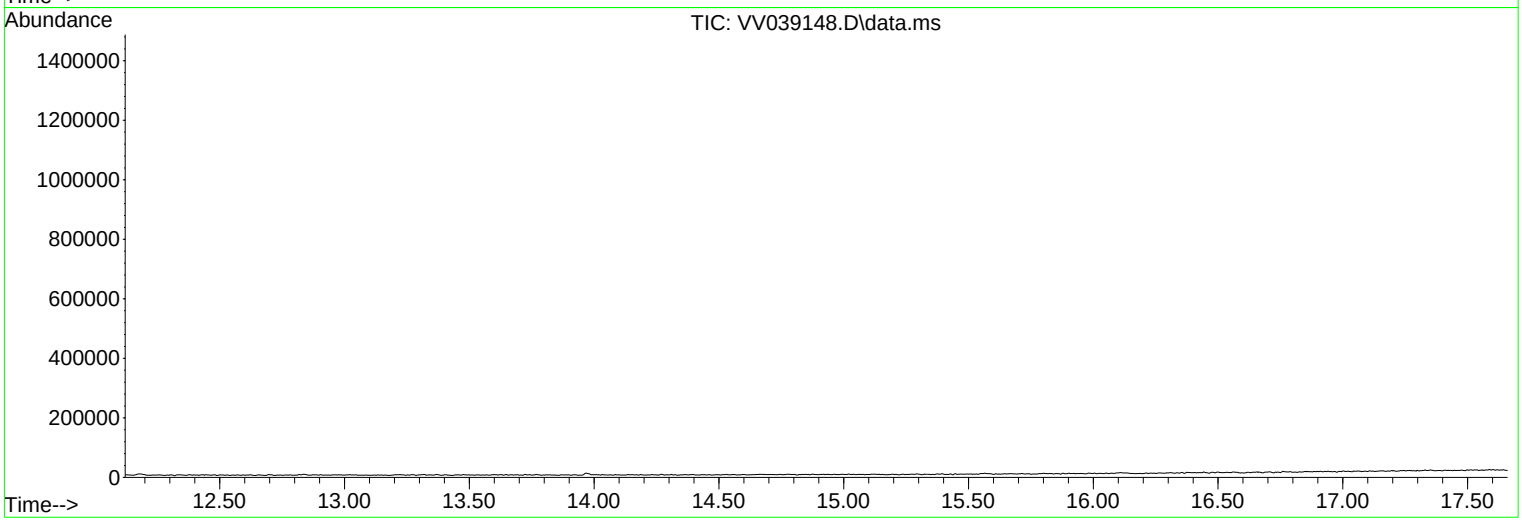
Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.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_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039150.D
Acq On : 24 Sep 2025 14:01
Operator : SY/MD
Sample : VV0924WBS02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBS02

Quant Time: Sep 25 04:45:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	492318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	795602	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	784865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	468522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	349518	49.053	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 98.100%			
35) Dibromofluoromethane	4.500	113	319944	50.023	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.040%			
50) Toluene-d8	7.236	98	929285	49.469	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 98.940%			
62) 4-Bromofluorobenzene	10.002	95	402187	52.007	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 104.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	148756	19.087	ug/l	99
3) Chloromethane	1.230	50	159926	19.115	ug/l	98
4) Vinyl Chloride	1.298	62	173519	19.373	ug/l	100
5) Bromomethane	1.497	94	117993	20.897	ug/l	100
6) Chloroethane	1.561	64	117810	21.073	ug/l	99
7) Trichlorofluoromethane	1.725	101	259123	19.982	ug/l	99
8) Diethyl Ether	1.918	74	101938	21.175	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	151673	19.657	ug/l	99
10) Methyl Iodide	2.198	142	155103	21.109	ug/l	98
11) Tert butyl alcohol	2.568	59	166515	110.571	ug/l	99
12) 1,1-Dichloroethene	2.082	96	148258	19.973	ug/l	96
13) Acrolein	2.011	56	30535	116.851	ug/l	97
14) Allyl chloride	2.359	41	270301	20.386	ug/l	98
15) Acrylonitrile	2.674	53	510399	105.726	ug/l	100
16) Acetone	2.118	43	500511	107.135	ug/l	98
17) Carbon Disulfide	2.253	76	445608	19.629	ug/l	99
18) Methyl Acetate	2.381	43	236287	22.381	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	494520	20.907	ug/l	96
20) Methylene Chloride	2.458	84	185787	22.678	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	155320	19.655	ug/l	98
22) Diisopropyl ether	3.217	45	514292	20.273	ug/l	85
23) Vinyl Acetate	3.192	43	2297382	103.522	ug/l	100
24) 1,1-Dichloroethane	3.118	63	304665	19.638	ug/l	99
25) 2-Butanone	3.870	43	603602	105.789	ug/l	98
26) 2,2-Dichloropropane	3.812	77	246178	17.897	ug/l	100
27) cis-1,2-Dichloroethene	3.822	96	170071	19.514	ug/l	100
28) Bromochloromethane	4.146	49	138833	20.271	ug/l	96
29) Tetrahydrofuran	4.240	42	389964	109.192	ug/l	100
30) Chloroform	4.278	83	322270	19.894	ug/l	99
31) Cyclohexane	4.584	56	238107	18.736	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	279806	19.951	ug/l	97
36) 1,1-Dichloropropene	4.745	75	187909	19.432	ug/l	98
37) Ethyl Acetate	3.982	43	243790	20.776	ug/l #	92
38) Carbon Tetrachloride	4.735	117	232933	19.709	ug/l	100
39) Methylcyclohexane	6.047	83	228816	19.594	ug/l	96
40) Benzene	5.011	78	633991	20.134	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039150.D
Acq On : 24 Sep 2025 14:01
Operator : SY/MD
Sample : VV0924WBS02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBS02

Quant Time: Sep 25 04:45:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.166	41	96391	19.385	ug/l		93
42) 1,2-Dichloroethane	5.040	62	228142	20.677	ug/l		99
43) Isopropyl Acetate	5.195	43	337530	21.097	ug/l		99
44) Trichloroethene	5.831	130	147483	20.297	ug/l		99
45) 1,2-Dichloropropane	6.092	63	163901	20.941	ug/l		96
46) Dibromomethane	6.227	93	126157	21.059	ug/l		99
47) Bromodichloromethane	6.426	83	254692	20.565	ug/l		99
48) Methyl methacrylate	6.301	41	145228	20.025	ug/l		98
49) 1,4-Dioxane	6.294	88	46282	395.445	ug/l		91
51) 4-Methyl-2-Pentanone	7.150	43	1236058	117.436	ug/l		98
52) Toluene	7.310	92	398034	21.801	ug/l		99
53) t-1,3-Dichloropropene	7.577	75	233157	21.603	ug/l		96
54) cis-1,3-Dichloropropene	6.950	75	256176	21.501	ug/l		96
55) 1,1,2-Trichloroethane	7.764	97	171861	20.993	ug/l		97
56) Ethyl methacrylate	7.719	69	198833	20.452	ug/l		100
57) 1,3-Dichloropropane	7.934	76	277597	21.486	ug/l		97
58) 2-Chloroethyl Vinyl ether	6.815	63	517964	100.347	ug/l		99
59) 2-Hexanone	8.066	43	894828	106.669	ug/l		98
60) Dibromochloromethane	8.166	129	191297	20.508	ug/l		99
61) 1,2-Dibromoethane	8.275	107	179580	21.450	ug/l		99
64) Tetrachloroethene	7.899	164	132876	20.213	ug/l		98
65) Chlorobenzene	8.805	112	432358	19.777	ug/l		97
66) 1,1,1,2-Tetrachloroethane	8.899	131	156609	19.826	ug/l		100
67) Ethyl Benzene	8.937	91	658467	19.898	ug/l		100
68) m/p-Xylenes	9.063	106	551462	43.176	ug/l		99
69) o-Xylene	9.468	106	230630	20.393	ug/l		98
70) Styrene	9.487	104	431651	18.940	ug/l		98
71) Bromoform	9.654	173	131945	21.384	ug/l	#	98
73) Isopropylbenzene	9.857	105	671517	19.761	ug/l		100
74) N-amyl acetate	9.725	43	283249	20.897	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.166	83	286264	19.226	ug/l		100
76) 1,2,3-Trichloropropane	10.198	75	206903	19.396	ug/l		100
77) Bromobenzene	10.140	156	173461	19.674	ug/l		99
78) n-propylbenzene	10.278	91	836225	20.207	ug/l		100
79) 2-Chlorotoluene	10.349	91	511892	20.673	ug/l		98
80) 1,3,5-Trimethylbenzene	10.465	105	583511	20.659	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.931	75	86872	19.550	ug/l		99
82) 4-Chlorotoluene	10.465	91	594451	20.703	ug/l		100
83) tert-Butylbenzene	10.789	119	525337	18.652	ug/l		100
84) 1,2,4-Trimethylbenzene	10.841	105	564955	20.602	ug/l		100
85) sec-Butylbenzene	11.014	105	728021	19.488	ug/l		100
86) p-Isopropyltoluene	11.169	119	612071	19.685	ug/l		100
87) 1,3-Dichlorobenzene	11.108	146	349017	19.560	ug/l		100
88) 1,4-Dichlorobenzene	11.198	146	375846	19.199	ug/l		99
89) n-Butylbenzene	11.580	91	577604	19.451	ug/l		98
90) Hexachloroethane	11.821	117	135944	17.755	ug/l		99
91) 1,2-Dichlorobenzene	11.567	146	316105	18.962	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	56358	21.271	ug/l		98
93) 1,2,4-Trichlorobenzene	13.185	180	178967	18.728	ug/l		99
94) Hexachlorobutadiene	13.368	225	89231	17.970	ug/l		99
95) Naphthalene	13.426	128	578144	18.718	ug/l		100
96) 1,2,3-Trichlorobenzene	13.667	180	187044	19.137	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039150.D
Acq On : 24 Sep 2025 14:01
Operator : SY/MD
Sample : VV0924WBS02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBS02

Quant Time: Sep 25 04:45:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

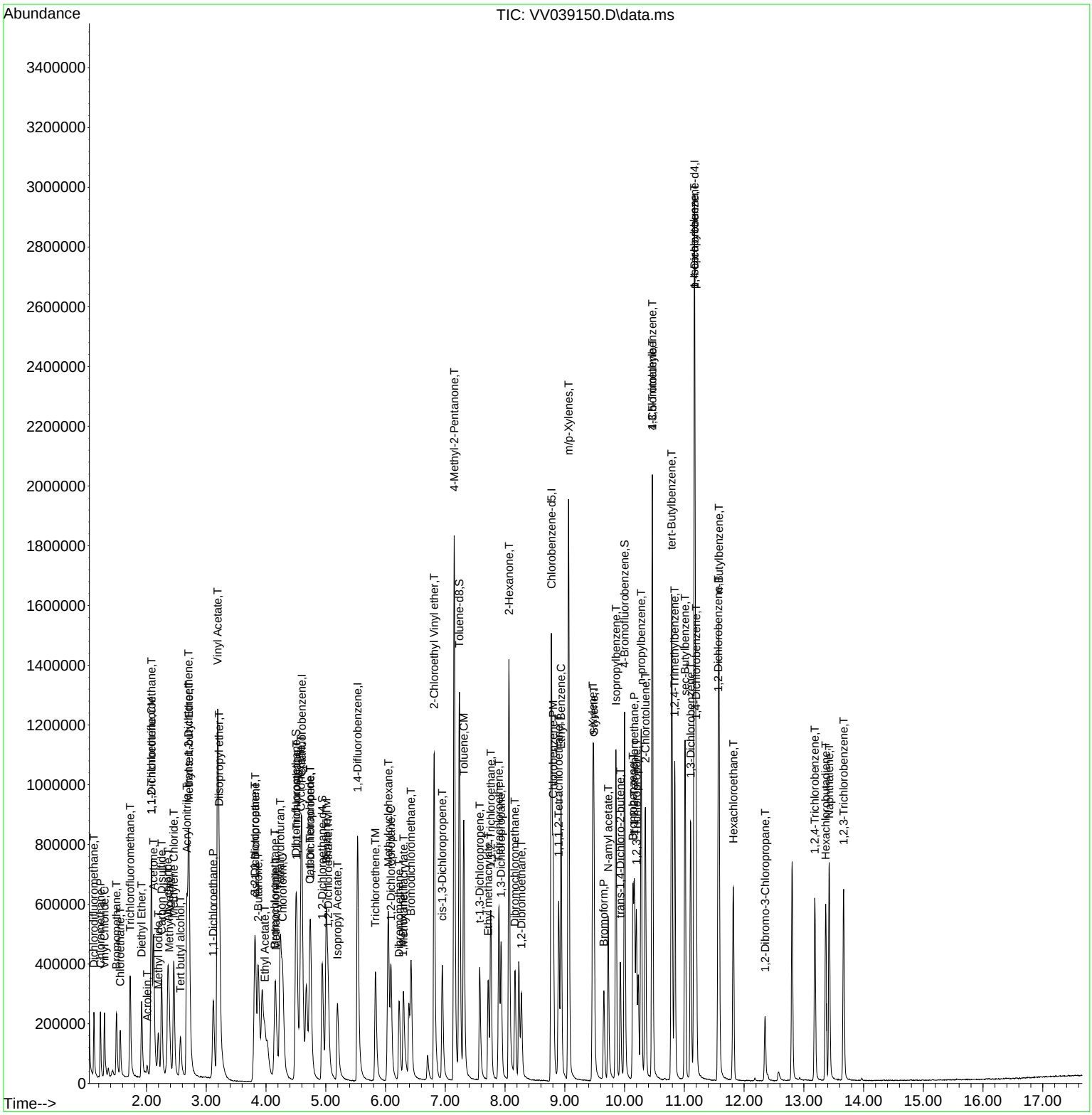
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039150.D
Acq On : 24 Sep 2025 14:01
Operator : SY/MD
Sample : VV0924WBS02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBS02

Quant Time: Sep 25 04:45:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039165.D
Acq On : 24 Sep 2025 19:59
Operator : SY/MD
Sample : VV0924WBSD02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBSD02

Quant Time: Sep 25 08:24:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	545364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	903558	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	885424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	510716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	390603	49.487	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 98.980%			
35) Dibromofluoromethane	4.503	113	363843	50.089	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.180%			
50) Toluene-d8	7.236	98	1080761	50.659	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 101.320%			
62) 4-Bromofluorobenzene	10.001	95	483167	55.014	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 110.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	156320	18.107	ug/l	98
3) Chloromethane	1.230	50	168337	18.164	ug/l	100
4) Vinyl Chloride	1.298	62	180006	18.142	ug/l	99
5) Bromomethane	1.497	94	91963	14.703	ug/l	99
6) Chloroethane	1.561	64	124416	20.020	ug/l	100
7) Trichlorofluoromethane	1.725	101	271403	18.893	ug/l	99
8) Diethyl Ether	1.918	74	98678	18.504	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	162784	19.045	ug/l	98
10) Methyl Iodide	2.198	142	97066	11.925	ug/l	99
11) Tert butyl alcohol	2.568	59	177476	106.387	ug/l	97
12) 1,1-Dichloroethene	2.082	96	159305	19.374	ug/l	92
13) Acrolein	2.011	56	32659	112.823	ug/l	95
14) Allyl chloride	2.359	41	262106	17.845	ug/l	98
15) Acrylonitrile	2.677	53	500749	93.637	ug/l	99
16) Acetone	2.121	43	420916	79.697	ug/l	98
17) Carbon Disulfide	2.253	76	461436	18.349	ug/l	99
18) Methyl Acetate	2.381	43	235110	20.104	ug/l	99
19) Methyl tert-butyl Ether	2.712	73	506464	19.329	ug/l	99
20) Methylene Chloride	2.458	84	191133	20.897	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	163017	18.623	ug/l	99
22) Diisopropyl ether	3.217	45	524404	18.661	ug/l	84
23) Vinyl Acetate	3.191	43	2227046	90.591	ug/l	99
24) 1,1-Dichloroethane	3.117	63	311443	18.122	ug/l	99
25) 2-Butanone	3.873	43	581279	91.967	ug/l	99
26) 2,2-Dichloropropane	3.812	77	223757	14.684	ug/l	99
27) cis-1,2-Dichloroethene	3.822	96	181034	18.752	ug/l	99
28) Bromochloromethane	4.150	49	145773	19.214	ug/l	95
29) Tetrahydrofuran	4.243	42	385403	97.419	ug/l	99
30) Chloroform	4.278	83	330400	18.412	ug/l	97
31) Cyclohexane	4.584	56	258917	18.392	ug/l	96
32) 1,1,1-Trichloroethane	4.513	97	285397	18.370	ug/l	98
36) 1,1-Dichloropropene	4.748	75	205485	18.711	ug/l	98
37) Ethyl Acetate	3.982	43	238455	17.894	ug/l	98
38) Carbon Tetrachloride	4.735	117	243831	18.166	ug/l	98
39) Methylcyclohexane	6.050	83	241644	18.220	ug/l	97
40) Benzene	5.011	78	673840	18.842	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039165.D
Acq On : 24 Sep 2025 19:59
Operator : SY/MD
Sample : VV0924WBSD02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBSD02

Quant Time: Sep 25 08:24:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.166	41	96133	17.256	ug/l		93
42) 1,2-Dichloroethane	5.043	62	232378	18.545	ug/l		100
43) Isopropyl Acetate	5.198	43	339665	18.694	ug/l		99
44) Trichloroethene	5.831	130	158174	19.167	ug/l		100
45) 1,2-Dichloropropane	6.092	63	172229	19.376	ug/l		97
46) Dibromomethane	6.230	93	128940	18.952	ug/l		97
47) Bromodichloromethane	6.429	83	257271	18.292	ug/l		97
48) Methyl methacrylate	6.301	41	148719	18.056	ug/l		99
49) 1,4-Dioxane	6.297	88	52205	392.759	ug/l		94
51) 4-Methyl-2-Pentanone	7.149	43	1220207	102.079	ug/l		99
52) Toluene	7.310	92	415722	20.049	ug/l		100
53) t-1,3-Dichloropropene	7.577	75	226898	18.511	ug/l		99
54) cis-1,3-Dichloropropene	6.950	75	259523	19.179	ug/l		98
55) 1,1,2-Trichloroethane	7.764	97	171629	18.460	ug/l		97
56) Ethyl methacrylate	7.719	69	204966	18.564	ug/l		98
57) 1,3-Dichloropropane	7.934	76	277934	18.942	ug/l		100
58) 2-Chloroethyl Vinyl ether	6.815	63	486078	84.589	ug/l		99
59) 2-Hexanone	8.066	43	867936	91.441	ug/l		99
60) Dibromochloromethane	8.169	129	195919	18.494	ug/l		100
61) 1,2-Dibromoethane	8.275	107	183626	19.312	ug/l		99
64) Tetrachloroethene	7.899	164	146324	19.730	ug/l		98
65) Chlorobenzene	8.805	112	491329	19.922	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.899	131	162674	18.255	ug/l		100
67) Ethyl Benzene	8.937	91	716157	19.183	ug/l		99
68) m/p-Xylenes	9.063	106	582336	40.415	ug/l		99
69) o-Xylene	9.468	106	252664	19.804	ug/l		98
70) Styrene	9.487	104	457807	17.897	ug/l		99
71) Bromoform	9.654	173	131160	18.843	ug/l	#	99
73) Isopropylbenzene	9.857	105	724475	19.558	ug/l		99
74) N-amyl acetate	9.725	43	279661	18.927	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.165	83	290148	17.877	ug/l		100
76) 1,2,3-Trichloropropane	10.198	75	219335	18.862	ug/l		100
77) Bromobenzene	10.140	156	183095	19.051	ug/l		97
78) n-propylbenzene	10.278	91	881210	19.535	ug/l		100
79) 2-Chlorotoluene	10.349	91	539084	19.972	ug/l		99
80) 1,3,5-Trimethylbenzene	10.464	105	620336	20.148	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.931	75	82955	17.126	ug/l		98
82) 4-Chlorotoluene	10.464	91	626744	20.025	ug/l		100
83) tert-Butylbenzene	10.789	119	563652	18.359	ug/l		100
84) 1,2,4-Trimethylbenzene	10.841	105	604069	20.209	ug/l		99
85) sec-Butylbenzene	11.014	105	783211	19.233	ug/l		100
86) p-Isopropyltoluene	11.165	119	661055	19.504	ug/l		100
87) 1,3-Dichlorobenzene	11.104	146	362792	18.652	ug/l		99
88) 1,4-Dichlorobenzene	11.198	146	381649	17.885	ug/l		98
89) n-Butylbenzene	11.580	91	608918	18.812	ug/l		98
90) Hexachloroethane	11.818	117	138165	16.554	ug/l		99
91) 1,2-Dichlorobenzene	11.567	146	335832	18.481	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	57082	19.730	ug/l		99
93) 1,2,4-Trichlorobenzene	13.185	180	191728	18.406	ug/l		100
94) Hexachlorobutadiene	13.368	225	91410	16.888	ug/l		99
95) Naphthalene	13.426	128	623030	18.505	ug/l		100
96) 1,2,3-Trichlorobenzene	13.667	180	199614	18.736	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039165.D
Acq On : 24 Sep 2025 19:59
Operator : SY/MD
Sample : VV0924WBSD02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBSD02

Quant Time: Sep 25 08:24:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

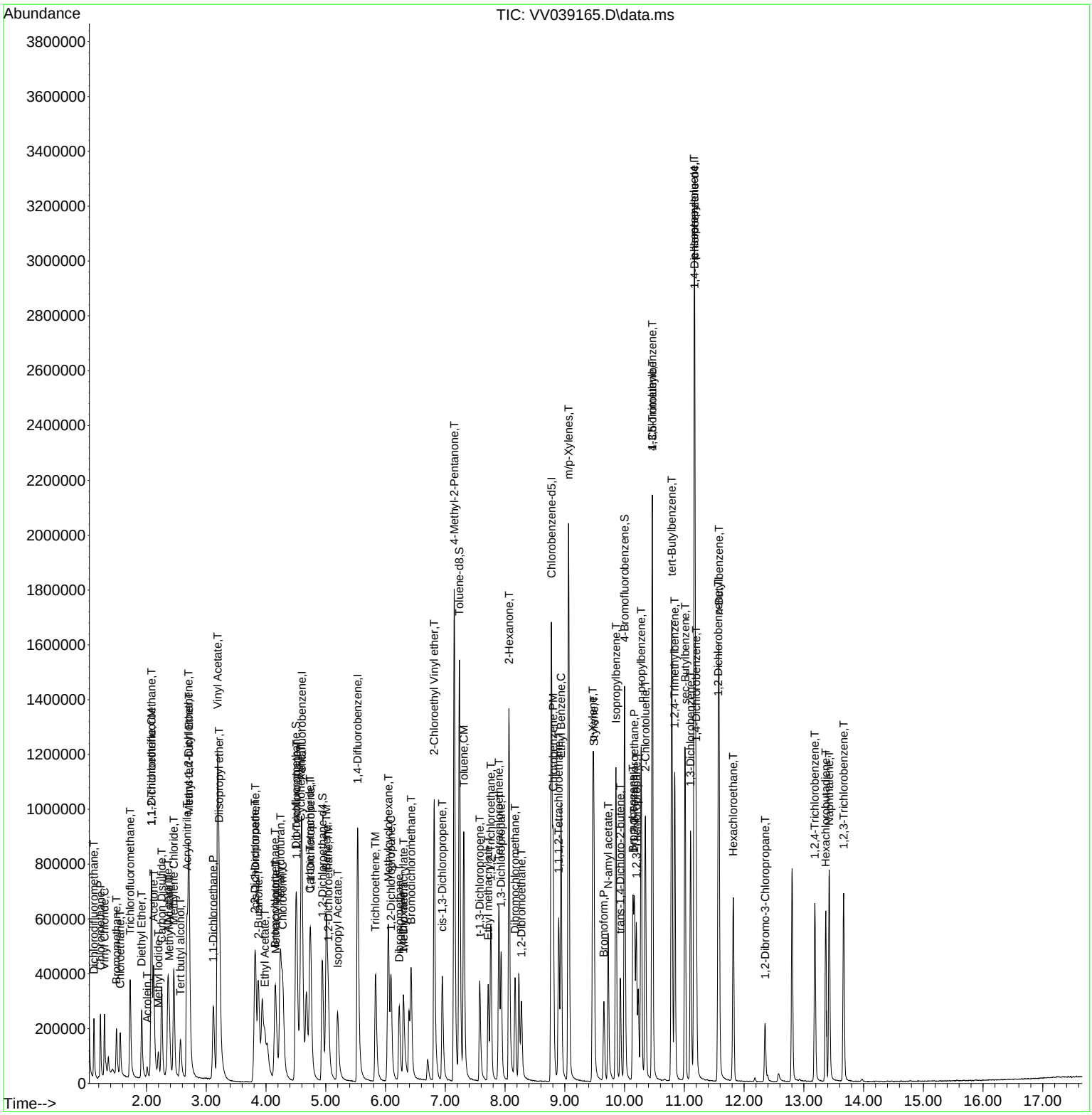
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039165.D
Acq On : 24 Sep 2025 19:59
Operator : SY/MD
Sample : VV0924WBSD02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBSD02

Quant Time: Sep 25 08:24:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	VV092225	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VV039142.D	1,2,3-Trichloropropane	MMDadoda	9/26/2025 1:38:50 AM	SAM	9/26/2025 1:57:11 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	1,1-Dichloropropene	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	1,4-Dichlorobenzene	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	1,4-Dioxane	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	2,2-Dichloropropane	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	2-Butanone	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	Carbon Tetrachloride	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	Ethyl Acetate	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	Ethyl methacrylate	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	Isopropyl Acetate	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	Methacrylonitrile	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	Methyl methacrylate	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDICC001	VV039143.D	Naphthalene	MMDadoda	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV092225	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VV039144.D	1,2,3-Trichloropropane	MMDadoda	9/26/2025 1:38:55 AM	SAM	9/26/2025 1:57:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV092425	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Fax : 908 789 8922

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV092225

Review By	Mahesh Dadoda	Review On	9/26/2025 1:39:32 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 1:56:56 AM		
SubDirectory	VV092225	HP Acquire Method	MSVOA_V	HP Processing Method	82v092225w.m

STD. NAME	STD REF.#
Tune/Reschk	VP135580
Initial Calibration Stds	VP135581,VP135582,VP135583,VP135584,VP135585,VP135586
CCC	
Internal Standard/PEM	VP133935
ICV/I.BLK	VP135587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039134.D	22 Sep 2025 10:15	SY/MD	Ok
2	VSTDICC001	VV039135.D	22 Sep 2025 10:59	SY/MD	Not Ok
3	VSTDICC005	VV039136.D	22 Sep 2025 11:30	SY/MD	Not Ok
4	VSTDICC010	VV039137.D	22 Sep 2025 12:26	SY/MD	Ok
5	VSTDICC020	VV039138.D	22 Sep 2025 12:48	SY/MD	Ok
6	VSTDICCC050	VV039139.D	22 Sep 2025 13:26	SY/MD	Ok
7	VSTDICC100	VV039140.D	22 Sep 2025 13:49	SY/MD	Ok
8	VIBLK	VV039141.D	22 Sep 2025 14:21	SY/MD	Ok
9	VSTDICC005	VV039142.D	22 Sep 2025 15:37	SY/MD	Ok,M
10	VSTDICC001	VV039143.D	22 Sep 2025 16:35	SY/MD	Ok,M
11	VSTDICV050	VV039144.D	22 Sep 2025 16:58	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV092425

Review By	Mahesh Dadoda	Review On	9/26/2025 1:45:06 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:03:33 AM		
SubDirectory	VV092425	HP Acquire Method	MSVOA_V	HP Processing Method	

STD. NAME	STD REF.#
Tune/Reschk	VP135622
Initial Calibration Stds	
CCC	VP135623,VP135624
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039145.D	24 Sep 2025 09:52	SY/MD	Ok
2	VSTDCCC050	VV039146.D	24 Sep 2025 10:49	SY/MD	Ok
3	VV0924MBL01	VV039147.D	24 Sep 2025 12:08	SY/MD	Ok
4	VV0924WBL01	VV039148.D	24 Sep 2025 13:09	SY/MD	Ok
5	VV0924WBS01	VV039149.D	24 Sep 2025 13:37	SY/MD	Not Ok
6	VV0924WBS02	VV039150.D	24 Sep 2025 14:01	SY/MD	Ok
7	Q3173-02	VV039151.D	24 Sep 2025 14:46	SY/MD	Ok
8	Q3173-01	VV039152.D	24 Sep 2025 15:08	SY/MD	Ok
9	Q3175-01	VV039153.D	24 Sep 2025 15:31	SY/MD	Dilution
10	Q3175-02	VV039154.D	24 Sep 2025 15:53	SY/MD	Dilution
11	VIBLK	VV039155.D	24 Sep 2025 16:16	SY/MD	Ok
12	VIBLK	VV039156.D	24 Sep 2025 16:38	SY/MD	Ok
13	Q3172-01	VV039157.D	24 Sep 2025 17:00	SY/MD	Dilution
14	Q3172-02	VV039158.D	24 Sep 2025 17:22	SY/MD	Dilution
15	Q3172-03	VV039159.D	24 Sep 2025 17:45	SY/MD	ReRun
16	Q3164-01	VV039160.D	24 Sep 2025 18:07	SY/MD	Ok
17	Q3164-02	VV039161.D	24 Sep 2025 18:30	SY/MD	Not Ok
18	Q3164-03	VV039162.D	24 Sep 2025 18:52	SY/MD	Ok
19	VIBLK	VV039163.D	24 Sep 2025 19:15	SY/MD	Ok
20	VIBLK	VV039164.D	24 Sep 2025 19:37	SY/MD	Ok,M
21	VV0924WBSD02	VV039165.D	24 Sep 2025 19:59	SY/MD	Ok

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV092425

Review By	Mahesh Dadoda	Review On	9/26/2025 1:45:06 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:03:33 AM		
SubDirectory	VV092425	HP Acquire Method	MSVOA_V	HP Processing Method	

STD. NAME	STD REF.#
Tune/Reschk	VP135622
Initial Calibration Stds	
CCC	VP135623,VP135624
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VV039166.D	24 Sep 2025 20:22	SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV092225

Review By	Mahesh Dadoda	Review On	9/26/2025 1:39:32 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 1:56:56 AM		
SubDirectory	VV092225	HP Acquire Method	MSVOA_V	HP Processing Method	82v092225w.m

STD. NAME	STD REF.#
Tune/Reschk	VP135580
Initial Calibration Stds	VP135581,VP135582,VP135583,VP135584,VP135585,VP135586
CCC	
Internal Standard/PEM	VP133935
ICV/I.BLK	VP135587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VV039134.D	22 Sep 2025 10:15		SY/MD	Ok
2	VSTDICC001	VSTDICC001	VV039135.D	22 Sep 2025 10:59	Not use	SY/MD	Not Ok
3	VSTDICC005	VSTDICC005	VV039136.D	22 Sep 2025 11:30	Not use	SY/MD	Not Ok
4	VSTDICC010	VSTDICC010	VV039137.D	22 Sep 2025 12:26		SY/MD	Ok
5	VSTDICC020	VSTDICC020	VV039138.D	22 Sep 2025 12:48	QR- 06,16,20,70,92	SY/MD	Ok
6	VSTDICCC050	VSTDICCC050	VV039139.D	22 Sep 2025 13:26	LR- 41,58,59	SY/MD	Ok
7	VSTDICC100	VSTDICC100	VV039140.D	22 Sep 2025 13:49		SY/MD	Ok
8	VIBLK	VIBLK	VV039141.D	22 Sep 2025 14:21		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VV039142.D	22 Sep 2025 15:37		SY/MD	Ok,M
10	VSTDICC001	VSTDICC001	VV039143.D	22 Sep 2025 16:35		SY/MD	Ok,M
11	VSTDICV050	ICVVV092225	VV039144.D	22 Sep 2025 16:58	Goof for Non-DOD	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV092425

Review By	Mahesh Dadoda	Review On	9/26/2025 1:45:06 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:03:33 AM		
SubDirectory	VV092425	HP Acquire Method	MSVOA_V	HP Processing Method	

STD. NAME	STD REF.#
Tune/Reschk	VP135622
Initial Calibration Stds	
CCC	VP135623,VP135624
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VV039145.D	24 Sep 2025 09:52		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VV039146.D	24 Sep 2025 10:49	pH#lot#v14222	SY/MD	Ok
3	VV0924MBL01	VV0924MBL01	VV039147.D	24 Sep 2025 12:08		SY/MD	Ok
4	VV0924WBL01	VV0924WBL01	VV039148.D	24 Sep 2025 13:09		SY/MD	Ok
5	VV0924WBS01	VV0924WBS01	VV039149.D	24 Sep 2025 13:37	Recovery fail	SY/MD	Not Ok
6	VV0924WBS02	VV0924WBS02	VV039150.D	24 Sep 2025 14:01		SY/MD	Ok
7	Q3173-02	Field Blank	VV039151.D	24 Sep 2025 14:46	pH<2.0 A,FB	SY/MD	Ok
8	Q3173-01	OBS1	VV039152.D	24 Sep 2025 15:08	pH<2.0 A	SY/MD	Ok
9	Q3175-01	MW2	VV039153.D	24 Sep 2025 15:31	pH<2.0 A ,Need 20X	SY/MD	Dilution
10	Q3175-02	MW4	VV039154.D	24 Sep 2025 15:53	pH<2.0 A ,Need 20X	SY/MD	Dilution
11	VIBLK	VIBLK	VV039155.D	24 Sep 2025 16:16		SY/MD	Ok
12	VIBLK	VIBLK	VV039156.D	24 Sep 2025 16:38		SY/MD	Ok
13	Q3172-01	FW7D	VV039157.D	24 Sep 2025 17:00	pH<2.0 A ,Surrogate Fail;Need 100X	SY/MD	Dilution
14	Q3172-02	FW6D	VV039158.D	24 Sep 2025 17:22	pH<2.0 A ,Need 4X	SY/MD	Dilution
15	Q3172-03	GB3W	VV039159.D	24 Sep 2025 17:45	pH<2.0 A ,E flag of previous sample	SY/MD	ReRun
16	Q3164-01	DA-1	VV039160.D	24 Sep 2025 18:07	pH<2.0 A	SY/MD	Ok
17	Q3164-02	DA-2	VV039161.D	24 Sep 2025 18:30	pH<2.0 A ,Confirm Concentration	SY/MD	Not Ok

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV092425

Review By	Mahesh Dadoda	Review On	9/26/2025 1:45:06 AM	
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:03:33 AM	
SubDirectory	VV092425	HP Acquire Method	MSVOA_V	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP135622
Initial Calibration Stds	
CCC	VP135623,VP135624
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3164-03	DA-3	VV039162.D	24 Sep 2025 18:52	pH<2.0 A	SY/MD	Ok
19	VIBLK	VIBLK	VV039163.D	24 Sep 2025 19:15		SY/MD	Ok
20	VIBLK	VIBLK	VV039164.D	24 Sep 2025 19:37		SY/MD	Ok,M
21	VV0924WBSD02	VV0924WBSD02	VV039165.D	24 Sep 2025 19:59		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VV039166.D	24 Sep 2025 20:22		SY/MD	Ok

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q3173	**OrderDate:**	9/24/2025 9:26:00 AM
Client:	G Environmental	**Project:**	Pit
Contact:	Gary Landis	**Location:**	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3173-01	**OBS1**	**Water**			**09/23/25**			**09/23/25**
			VOCMS Group1	8260-Low			09/24/25	
Q3173-02	**Field Blank**	**Water**			**09/23/25**			**09/23/25**
			VOCMS Group1	8260-Low			09/24/25	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3173
COC Number 2045036

6
6.1

CLIENT INFORMATION	CLIENT PROJECT INFORMATION	CLIENT BILLING INFORMATION
REPORT TO BE SENT TO: COMPANY: G Environmental	PROJECT NAME: Pit	BILL TO: G Environmental PO#:
ADDRESS: 8 Carriage	PROJECT NO.: LOCATION: NJ	ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP 07876	PROJECT MANAGER: GV	CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION:	e-mail:	ATTENTION: PHONE:
PHONE: FAX:	PHONE: FAX:	

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: Standard DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ Level 2 (Results + QC)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ NYS ASP A
- ☐ NYS ASP B
- Other: pdf excel MassDEP
- ☒ EDD FORMAT NJ SRP SRP

ANALYSIS

1. TCL VOC + 15 MTBE TBA

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
							PRESERVATIVES →	X									← Specify Preservatives: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	OBS1	GW		X	9/23/25	1015	2	X									
2.	Field Blank			X	9/13/25	1000	2	X									
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	9/22/25 1547	1. [signature]
2.	9/23/25 1315	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.2 °C
Comments: [signature]

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT   YELLOW - ALLIANCE COPY   PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3173 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 9/24/2025 9:26:00 AM
Project Name : Pit
Receive DateTime : 9/23/2025 1:15:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3173-01	OBS1	Water	09/23/2025	10:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3173-02	Field Blank	Water	09/23/2025	10:00					
					VOCMS Group1		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 9/24/25 0950

Received By :
Date / Time : 09/24/25 0950 Rgh 4
Storage Area : VOA Refridgerator Room