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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : DOVER

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1940

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q1940

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

Order ID : Q1940

Project ID : Dover

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1940-04	MW-1
Q1940-05	MW-2
Q1940-06	MW-3

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:34 pm, May 12, 2025

Date: 5/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Dover
Project # N/A
Order ID # Q1940
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
3 Water samples were received on 05/01/2025.

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_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.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 met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD for {VN0502WBSD01} with File ID: VN086456.D met criteria except for Tert butyl alcohol[28%],due to difference in results of BS and BSD.

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

The %RSD is greater than 20% in the Initial Calibration method (82N041525W.M) for Acetone is passing on Linear Regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

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.

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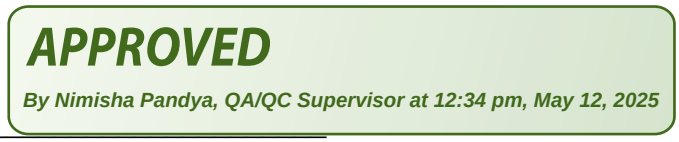
The Sample MW-2 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.

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

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

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

Signature 

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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 #: Q1940

	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: SOHIL JODHANI **Date:** 05/09/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1940

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-1**								
Q1940-04	MW-1	Water	Acetone		2.40	J	1.50	5.00	ug/L
Q1940-04	MW-1	Water	Benzene		0.79	J	0.15	1.00	ug/L
Q1940-04	MW-1	Water	m/p-Xylenes		0.52	J	0.24	2.00	ug/L
			Total Voc :		3.71				
Q1940-04	MW-1	Water	Butane, 2,3-dimethyl-	*	8.90	J	0	0	ug/L
Q1940-04	MW-1	Water	Pentane, 3-methyl-	*	12.0	J	0	0	ug/L
Q1940-04	MW-1	Water	Benzene, 1,3-diethyl-	*	9.00	J	0	0	ug/L
Q1940-04	MW-1	Water	Indane	*	11.8	J	0	0	ug/L
Q1940-04	MW-1	Water	Pentane, 2,3-dimethyl-	*	26.5	J	0	0	ug/L
Q1940-04	MW-1	Water	Butane, 2,2,3,3-tetramethyl-	*	22.6	J	0	0	ug/L
Q1940-04	MW-1	Water	Indan, 1-methyl-	*	15.9	J	0	0	ug/L
Q1940-04	MW-1	Water	Hexane, 2,3,4-trimethyl-	*	9.20	J	0	0	ug/L
Q1940-04	MW-1	Water	Cyclohexane, 1,3-dimethyl-, tra	*	10.1	J	0	0	ug/L
Q1940-04	MW-1	Water	Cyclopentane, 1,2,4-trimethyl-	*	11.8	J	0	0	ug/L
Q1940-04	MW-1	Water	Cyclopentane, 1,1,3-trimethyl-	*	15.3	J	0	0	ug/L
Q1940-04	MW-1	Water	Cyclohexane, 1,2-dimethyl-, tra	*	14.9	J	0	0	ug/L
Q1940-04	MW-1	Water	Benzene, 1-ethenyl-3-ethyl-	*	9.90	J	0	0	ug/L
Q1940-04	MW-1	Water	1-Heptene, 4-methyl-	*	14.4	J	0	0	ug/L
Q1940-04	MW-1	Water	1,3-Cyclopentadiene, 1,2,3,4-te	*	9.80	J	0	0	ug/L
Q1940-04	MW-1	Water	Isopropylbenzene	*	4.80	J	0.12	1.00	ug/L
Q1940-04	MW-1	Water	n-propylbenzene	*	8.30	J	0.13	1.00	ug/L
Q1940-04	MW-1	Water	n-Butylbenzene	*	1.50	J	0.15	1.00	ug/L
			Total Tics :		217				
			Total Concentration:		220				

SAMPLE DATA

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Report of Analysis

Client:	G Environmental		Date Collected:	04/30/25	
Project:	Dover		Date Received:	05/01/25	
Client Sample ID:	MW-1		SDG No.:	Q1940	
Lab Sample ID:	Q1940-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086473.D	1		05/02/25 19:07	VN050225

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	2.40	J	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	0.79	J	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:	04/30/25
Project:	Dover	Date Received:	05/01/25
Client Sample ID:	MW-1	SDG No.:	Q1940
Lab Sample ID:	Q1940-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086473.D	1		05/02/25 19:07	VN050225

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	0.52	J	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	51.0		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	60.8		75 - 124	122%	SPK: 50
2037-26-5	Toluene-d8	51.8		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	131000	8.224			
540-36-3	1,4-Difluorobenzene	259000	9.1			
3114-55-4	Chlorobenzene-d5	246000	11.864			
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						
000079-29-8	Butane, 2,3-dimethyl-	8.90	J		5.27	ug/L
000096-14-0	Pentane, 3-methyl-	12.0	J		5.81	ug/L
000565-59-3	Pentane, 2,3-dimethyl-	26.5	J		8.33	ug/L
000594-82-1	Butane, 2,2,3,3-tetramethyl-	22.6	J		8.76	ug/L
004516-69-2	Cyclopentane, 1,1,3-trimethyl-	15.3	J		9.56	ug/L
002815-58-9	Cyclopentane, 1,2,4-trimethyl-	11.8	J		9.87	ug/L
013151-05-8	1-Heptene, 4-methyl-	14.4	J		10.0	ug/L
000921-47-1	Hexane, 2,3,4-trimethyl-	9.20	J		10.1	ug/L
002207-03-6	Cyclohexane, 1,3-dimethyl-, trans-	10.1	J		10.7	ug/L
006876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	14.9	J		11.0	ug/L
98-82-8	Isopropylbenzene	4.80	J		12.7	ug/L
103-65-1	n-propylbenzene	8.30	J		13.0	ug/L
000141-93-5	Benzene, 1,3-diethyl-	9.00	J		13.9	ug/L
000496-11-7	Indane	11.8	J		14.0	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	04/30/25
Project:	Dover	Date Received:	05/01/25
Client Sample ID:	MW-1	SDG No.:	Q1940
Lab Sample ID:	Q1940-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086473.D	1		05/02/25 19:07	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
104-51-8	n-Butylbenzene	1.50	J		14.1	ug/L
000767-58-8	Indan, 1-methyl-	15.9	J		14.4	ug/L
076089-59-3	1,3-Cyclopentadiene, 1,2,3,4-tetra	9.80	J		14.7	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	9.90	J		14.9	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:	04/30/25	
Project:	Dover		Date Received:	05/01/25	
Client Sample ID:	MW-2		SDG No.:	Q1940	
Lab Sample ID:	Q1940-05		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086474.D	1		05/02/25 19:31	VN050225

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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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	04/30/25
Project:	Dover	Date Received:	05/01/25
Client Sample ID:	MW-2	SDG No.:	Q1940
Lab Sample ID:	Q1940-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086474.D	1		05/02/25 19:31	VN050225

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	48.9		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	60.1		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	51.7		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	152000	8.224			
540-36-3	1,4-Difluorobenzene	288000	9.1			
3114-55-4	Chlorobenzene-d5	274000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	114000	13.788			

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:	04/30/25	
Project:	Dover		Date Received:	05/01/25	
Client Sample ID:	MW-3		SDG No.:	Q1940	
Lab Sample ID:	Q1940-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086475.D	1		05/02/25 19:56	VN050225

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:	04/30/25
Project:	Dover	Date Received:	05/01/25
Client Sample ID:	MW-3	SDG No.:	Q1940
Lab Sample ID:	Q1940-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086475.D	1		05/02/25 19:56	VN050225

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	49.6		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	60.0		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	51.4		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	8.224			
540-36-3	1,4-Difluorobenzene	273000	9.1			
3114-55-4	Chlorobenzene-d5	264000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
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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

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Surrogate Summary

SDG No.: Q1940

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1940-04	MW-1	1,2-Dichloroethane-d4	50	51.0	102	74	125
		Dibromofluoromethane	50	60.8	122	75	124
		Toluene-d8	50	51.8	104	86	113
		4-Bromofluorobenzene	50	50.7	101	77	121
Q1940-05	MW-2	1,2-Dichloroethane-d4	50	48.9	98	74	125
		Dibromofluoromethane	50	60.1	120	75	124
		Toluene-d8	50	51.7	103	86	113
		4-Bromofluorobenzene	50	48.8	98	77	121
Q1940-06	MW-3	1,2-Dichloroethane-d4	50	49.6	99	74	125
		Dibromofluoromethane	50	60.0	120	75	124
		Toluene-d8	50	51.4	103	86	113
		4-Bromofluorobenzene	50	49.9	100	77	121
VN0502WBL01	VN0502WBL01	1,2-Dichloroethane-d4	50	50.1	100	74	125
		Dibromofluoromethane	50	60.7	121	75	124
		Toluene-d8	50	51.3	103	86	113
		4-Bromofluorobenzene	50	49.1	98	77	121
VN0502WBS01	VN0502WBS01	1,2-Dichloroethane-d4	50	51.8	104	74	125
		Dibromofluoromethane	50	57.5	115	75	124
		Toluene-d8	50	52.4	105	86	113
		4-Bromofluorobenzene	50	51.5	103	77	121
VN0502WBSD0	VN0502WBSD01	1,2-Dichloroethane-d4	50	56.4	113	74	125
		Dibromofluoromethane	50	60.2	120	75	124
		Toluene-d8	50	53.4	107	86	113
		4-Bromofluorobenzene	50	52.0	104	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1940

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086454.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0502WBS01	Chloromethane	20	17.3	ug/L	86			65	116	
	Vinyl chloride	20	18.4	ug/L	92			65	117	
	Bromomethane	20	22.6	ug/L	113			58	125	
	Chloroethane	20	17.9	ug/L	90			56	128	
	Tert butyl alcohol	100	82.7	ug/L	83			73	124	
	1,1-Dichloroethene	20	18.5	ug/L	93			74	110	
	Acetone	100	87.4	ug/L	87			60	125	
	Carbon disulfide	20	17.0	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	18.2	ug/L	91			78	114	
	Methylene Chloride	20	18.6	ug/L	93			72	114	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			75	108	
	1,1-Dichloroethane	20	18.3	ug/L	92			78	112	
	2-Butanone	100	83.8	ug/L	84			65	122	
	Carbon Tetrachloride	20	20.5	ug/L	103			77	113	
	cis-1,2-Dichloroethene	20	19.2	ug/L	96			77	110	
	Chloroform	20	19.4	ug/L	97			79	113	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			80	108	
	Benzene	20	19.6	ug/L	98			82	109	
	1,2-Dichloroethane	20	20.0	ug/L	100			80	115	
	Trichloroethene	20	20.4	ug/L	102			77	113	
	1,2-Dichloropropane	20	19.4	ug/L	97			83	111	
	Bromodichloromethane	20	20.3	ug/L	102			83	110	
	4-Methyl-2-Pentanone	100	89.0	ug/L	89			74	118	
	Toluene	20	20.1	ug/L	101			82	110	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			79	110	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			82	110	
	1,1,2-Trichloroethane	20	20.3	ug/L	102			83	112	
	2-Hexanone	100	88.0	ug/L	88			73	117	
	Dibromochloromethane	20	19.9	ug/L	100			82	110	
	Tetrachloroethene	20	20.6	ug/L	103			67	123	
	Chlorobenzene	20	20.0	ug/L	100			82	109	
	Ethyl Benzene	20	19.9	ug/L	100			83	109	
	m/p-Xylenes	40	40.4	ug/L	101			82	110	
	o-Xylene	20	19.9	ug/L	100			83	109	
	Styrene	20	19.8	ug/L	99			80	111	
	Bromoform	20	19.8	ug/L	99			79	109	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/L	95			76	118	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1940

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086456.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0502WBSD01	Chloromethane	20	17.3	ug/L	86	0		65	116	20
	Vinyl chloride	20	17.9	ug/L	90	2		65	117	20
	Bromomethane	20	23.8	ug/L	119	5		58	125	20
	Chloroethane	20	18.5	ug/L	93	3		56	128	20
	Tert butyl alcohol	100	110	ug/L	110	28	*	73	124	20
	1,1-Dichloroethene	20	18.0	ug/L	90	3		74	110	20
	Acetone	100	100	ug/L	100	14		60	125	20
	Carbon disulfide	20	16.7	ug/L	84	1		64	112	20
	Methyl tert-butyl Ether	20	19.2	ug/L	96	5		78	114	20
	Methylene Chloride	20	19.4	ug/L	97	4		72	114	20
	trans-1,2-Dichloroethene	20	19.4	ug/L	97	3		75	108	20
	1,1-Dichloroethane	20	18.7	ug/L	94	2		78	112	20
	2-Butanone	100	96.1	ug/L	96	13		65	122	20
	Carbon Tetrachloride	20	20.3	ug/L	102	1		77	113	20
	cis-1,2-Dichloroethene	20	19.3	ug/L	97	1		77	110	20
	Chloroform	20	20.0	ug/L	100	3		79	113	20
	1,1,1-Trichloroethane	20	19.6	ug/L	98	2		80	108	20
	Benzene	20	19.5	ug/L	98	0		82	109	20
	1,2-Dichloroethane	20	20.8	ug/L	104	4		80	115	20
	Trichloroethene	20	20.0	ug/L	100	2		77	113	20
	1,2-Dichloropropane	20	19.5	ug/L	98	1		83	111	20
	Bromodichloromethane	20	20.7	ug/L	104	2		83	110	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	12		74	118	20
	Toluene	20	19.6	ug/L	98	3		82	110	20
	t-1,3-Dichloropropene	20	20.3	ug/L	102	3		79	110	20
	cis-1,3-Dichloropropene	20	19.8	ug/L	99	3		82	110	20
	1,1,2-Trichloroethane	20	21.3	ug/L	106	4		83	112	20
	2-Hexanone	100	100	ug/L	100	13		73	117	20
	Dibromochloromethane	20	20.9	ug/L	104	4		82	110	20
	Tetrachloroethene	20	20.2	ug/L	101	2		67	123	20
	Chlorobenzene	20	19.8	ug/L	99	1		82	109	20
	Ethyl Benzene	20	19.1	ug/L	96	4		83	109	20
	m/p-Xylenes	40	39.3	ug/L	98	3		82	110	20
	o-Xylene	20	19.7	ug/L	99	1		83	109	20
	Styrene	20	19.4	ug/L	97	2		80	111	20
	Bromoform	20	20.5	ug/L	103	4		79	109	20
	1,1,2,2-Tetrachloroethane	20	21.0	ug/L	105	10		76	118	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0502WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG NO.: Q1940

Lab File ID: VN086453.D Lab Sample ID: VN0502WBL01

Date Analyzed: 05/02/2025 Time Analyzed: 10:22

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0502WBS01	VN0502WBS01	VN086454.D	05/02/2025
VN0502WBSD01	VN0502WBSD01	VN086456.D	05/02/2025
MW-1	Q1940-04	VN086473.D	05/02/2025
MW-2	Q1940-05	VN086474.D	05/02/2025
MW-3	Q1940-06	VN086475.D	05/02/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG NO.: Q1940

Lab File ID: VN086276.D BFB Injection Date: 04/15/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:47

GC Column: RXI-624 ID: 0.25 (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	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086277.D	04/15/2025	11:29
VSTDICC005	VSTDICC005	VN086278.D	04/15/2025	12:21
VSTDICC010	VSTDICC010	VN086279.D	04/15/2025	12:45
VSTDICC020	VSTDICC020	VN086280.D	04/15/2025	13:09
VSTDICCC050	VSTDICCC050	VN086281.D	04/15/2025	13:51
VSTDICC100	VSTDICC100	VN086282.D	04/15/2025	14:29

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG NO.: Q1940

Lab File ID: VN086450.D BFB Injection Date: 05/02/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:47

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	51
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71.9
175	5.0 - 9.0% of mass 174	5.1 (7.1) 1
176	95.0 - 101.0% of mass 174	69.2 (96.3) 1
177	5.0 - 9.0% of mass 176	4.5 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086451.D	05/02/2025	09:21
VN0502WBL01	VN0502WBL01	VN086453.D	05/02/2025	10:22
VN0502WBS01	VN0502WBS01	VN086454.D	05/02/2025	11:26
VN0502WBSD01	VN0502WBSD01	VN086456.D	05/02/2025	12:14
MW-1	Q1940-04	VN086473.D	05/02/2025	19:07
MW-2	Q1940-05	VN086474.D	05/02/2025	19:31
MW-3	Q1940-06	VN086475.D	05/02/2025	19:56

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG NO.: Q1940

Lab File ID: VN086451.D Date Analyzed: 05/02/2025

Instrument ID: MSVOA_N Time Analyzed: 09:21

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	187608	8.22	337415	9.10	308780	11.87
UPPER LIMIT	375216	8.724	674830	9.6	617560	12.365
LOWER LIMIT	93804	7.724	168708	8.6	154390	11.365
EPA SAMPLE NO.						
MW-1	131476	8.22	259020	9.10	245875	11.86
MW-2	151630	8.22	288383	9.10	274301	11.87
MW-3	141230	8.22	272575	9.10	263663	11.87
VN0502WBL01	154685	8.22	298860	9.10	280972	11.87
VN0502WBS01	205101	8.22	372276	9.10	334682	11.86
VN0502WBSD01	145586	8.22	268054	9.10	242177	11.86

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: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG NO.: Q1940

Lab File ID: VN086451.D Date Analyzed: 05/02/2025

Instrument ID: MSVOA_N Time Analyzed: 09:21

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	150946	13.788				
UPPER LIMIT	301892	14.288				
LOWER LIMIT	75473	13.288				
EPA SAMPLE NO.						
MW-1	108714	13.79				
MW-2	114473	13.79				
MW-3	115290	13.79				
VN0502WBL01	119397	13.79				
VN0502WBS01	155592	13.79				
VN0502WBSD01	108773	13.79				

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VN0502WBL01	SDG No.:	Q1940
Lab Sample ID:	VN0502WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086453.D	1		05/02/25 10:22	VN050225

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VN0502WBL01	SDG No.:	Q1940
Lab Sample ID:	VN0502WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086453.D	1		05/02/25 10:22	VN050225

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	50.1		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	60.7		75 - 124	121%	SPK: 50
2037-26-5	Toluene-d8	51.3		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	8.224			
540-36-3	1,4-Difluorobenzene	299000	9.1			
3114-55-4	Chlorobenzene-d5	281000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.788			

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VN0502WBS01	SDG No.:	Q1940
Lab Sample ID:	VN0502WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086454.D	1		05/02/25 11:26	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	17.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.26	1.00	ug/L
74-83-9	Bromomethane	22.6		1.40	5.00	ug/L
75-00-3	Chloroethane	17.9		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	82.7		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.5		0.23	1.00	ug/L
67-64-1	Acetone	87.4		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.2		0.16	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.3		0.23	1.00	ug/L
78-93-3	2-Butanone	83.8		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.19	1.00	ug/L
67-66-3	Chloroform	19.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.9		0.20	1.00	ug/L
71-43-2	Benzene	19.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	89.0		0.68	5.00	ug/L
108-88-3	Toluene	20.1		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.8		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	20.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	88.0		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.9		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	20.6		0.23	1.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VN0502WBS01	SDG No.:	Q1940
Lab Sample ID:	VN0502WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086454.D	1		05/02/25 11:26	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	20.0		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	40.4		0.24	2.00	ug/L
95-47-6	o-Xylene	19.9		0.12	1.00	ug/L
100-42-5	Styrene	19.8		0.15	1.00	ug/L
75-25-2	Bromoform	19.8		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.9		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	57.5		75 - 124	115%	SPK: 50
2037-26-5	Toluene-d8	52.4		86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	8.223			
540-36-3	1,4-Difluorobenzene	372000	9.1			
3114-55-4	Chlorobenzene-d5	335000	11.864			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.788			

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VN0502WBSD01	SDG No.:	Q1940
Lab Sample ID:	VN0502WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086456.D	1		05/02/25 12:14	VN050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	17.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.9		0.26	1.00	ug/L
74-83-9	Bromomethane	23.8		1.40	5.00	ug/L
75-00-3	Chloroethane	18.5		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	18.0		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	1.00	ug/L
78-93-3	2-Butanone	96.1		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	1.00	ug/L
71-43-2	Benzene	19.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.6		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.9		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.23	1.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VN0502WBSD01	SDG No.:	Q1940
Lab Sample ID:	VN0502WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086456.D	1		05/02/25 12:14	VN050225

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	19.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.24	2.00	ug/L
95-47-6	o-Xylene	19.7		0.12	1.00	ug/L
100-42-5	Styrene	19.4		0.15	1.00	ug/L
75-25-2	Bromoform	20.5		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.0		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.4		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	60.2		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	53.4		86 - 113	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	146000	8.224			
540-36-3	1,4-Difluorobenzene	268000	9.1			
3114-55-4	Chlorobenzene-d5	242000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.788			

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: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG No.: Q1940

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

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

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.5
Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.4
Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.5
Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.3
Tert butyl alcohol		0.145	0.135	0.142	0.124	0.115	0.132	9.4
1,1-Dichloroethene	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.6
Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.2
Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.3
Methyl tert-butyl Ether	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.8
Methylene Chloride	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.7
trans-1,2-Dichloroethene	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.1
1,1-Dichloroethane	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.6
2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.7
Carbon Tetrachloride	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.9
cis-1,2-Dichloroethene	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.3
Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.3
1,1,1-Trichloroethane	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.8
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8
1,2-Dichloroethane	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.1
Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.8
1,2-Dichloropropane	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.2
Bromodichloromethane	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.4
4-Methyl-2-Pentanone	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.9
Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.6
t-1,3-Dichloropropene	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.4
cis-1,3-Dichloropropene	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.5
1,1,2-Trichloroethane	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.9
2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.3
Dibromochloromethane	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.5
Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG No.: Q1940

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

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

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.8
Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.4
m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.4
o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.2
Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.3
Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7
1,1,2,2-Tetrachloroethane	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.1
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG No.: Q1940

Instrument ID: MSVOA_N Calibration Date/Time: 05/02/2025 09:21

Lab File ID: VN086451.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.861	0.754	0.1	-12.43	20
Vinyl Chloride	0.822	0.772		-6.08	20
Bromomethane	0.370	0.419		13.24	20
Chloroethane	0.550	0.517		-6	20
Tert butyl alcohol	0.132	0.106		-19.7	20
1,1-Dichloroethene	0.588	0.574		-2.38	20
Acetone	0.290	0.231		-20.34	20
Carbon Disulfide	1.762	1.588		-9.88	20
Methyl tert-butyl Ether	2.163	2.059		-4.81	20
Methylene Chloride	0.670	0.642		-4.18	20
trans-1,2-Dichloroethene	0.615	0.611		-0.65	20
1,1-Dichloroethane	1.201	1.170	0.1	-2.58	20
2-Butanone	0.451	0.391		-13.3	20
Carbon Tetrachloride	0.441	0.482		9.3	20
cis-1,2-Dichloroethene	0.764	0.761		-0.39	20
Chloroform	1.180	1.183		0.25	20
1,1,1-Trichloroethane	1.009	1.034		2.48	20
Benzene	1.485	1.520		2.36	20
1,2-Dichloroethane	0.474	0.497		4.85	20
Trichloroethene	0.352	0.378		7.39	20
1,2-Dichloropropane	0.364	0.362		-0.55	20
Bromodichloromethane	0.500	0.529		5.8	20
4-Methyl-2-Pentanone	0.500	0.471		-5.8	20
Toluene	0.927	0.984		6.15	20
t-1,3-Dichloropropene	0.558	0.596		6.81	20
cis-1,3-Dichloropropene	0.613	0.629		2.61	20
1,1,2-Trichloroethane	0.333	0.350		5.11	20
2-Hexanone	0.371	0.344		-7.28	20
Dibromochloromethane	0.366	0.397		8.47	20
Tetrachloroethene	0.385	0.406		5.45	20
Chlorobenzene	1.116	1.168	0.3	4.66	20
Ethyl Benzene	2.014	2.094		3.97	20
m/p-Xylenes	0.754	0.802		6.37	20
o-Xylene	0.746	0.789		5.76	20
Styrene	1.243	1.341		7.88	20
Bromoform	0.277	0.296	0.1	6.86	20
1,1,2,2-Tetrachloroethane	1.176	1.111	0.3	-5.53	20
1,2-Dichloroethane-d4	0.725	0.700		-3.45	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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1940 SAS No.: Q1940 SDG No.: Q1940

Instrument ID: MSVOA_N Calibration Date/Time: 05/02/2025 09:21

Lab File ID: VN086451.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.232	0.246		6.03	20
Toluene-d8	1.240	1.263		1.86	20
4-Bromofluorobenzene	0.452	0.471		4.2	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_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Time: May 02 23:18:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

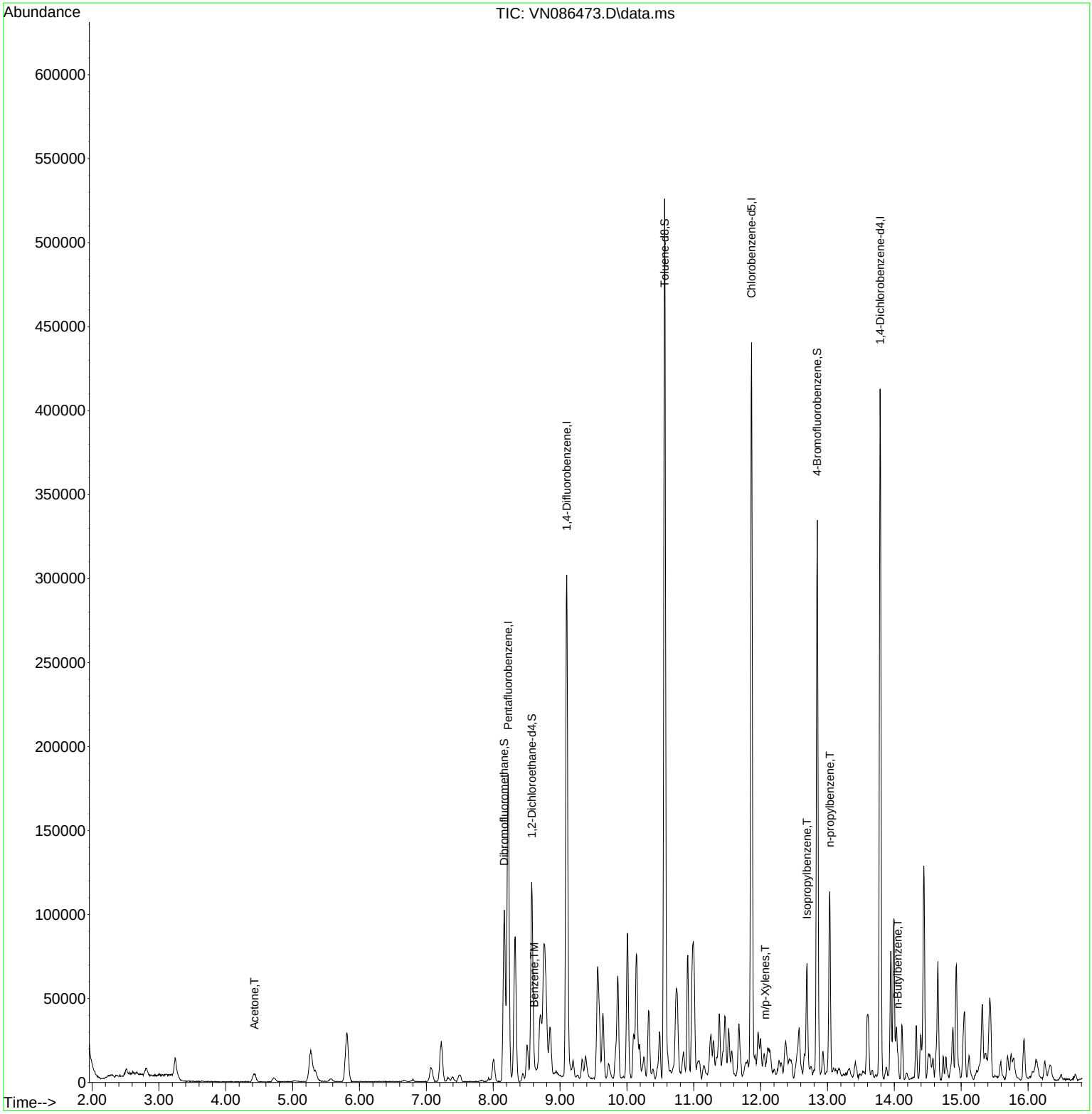
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	131476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	245875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	97311	51.041	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%			
35) Dibromofluoromethane	8.165	113	73087	60.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.600%			
50) Toluene-d8	10.565	98	332868	51.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.847	95	118853	50.718	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.440%			
Target Compounds						Qvalue
16) Acetone	4.430	43	5333	2.439	ug/l #	70
40) Benzene	8.612	78	6072	0.789	ug/l	99
68) m/p-Xylenes	12.070	106	1932	0.521	ug/l	78
73) Isopropylbenzene	12.694	105	42439	4.772	ug/l	100
78) n-propylbenzene	13.035	91	86921	8.295	ug/l	100
89) n-Butylbenzene	14.053	91	9756	1.526	ug/l #	59

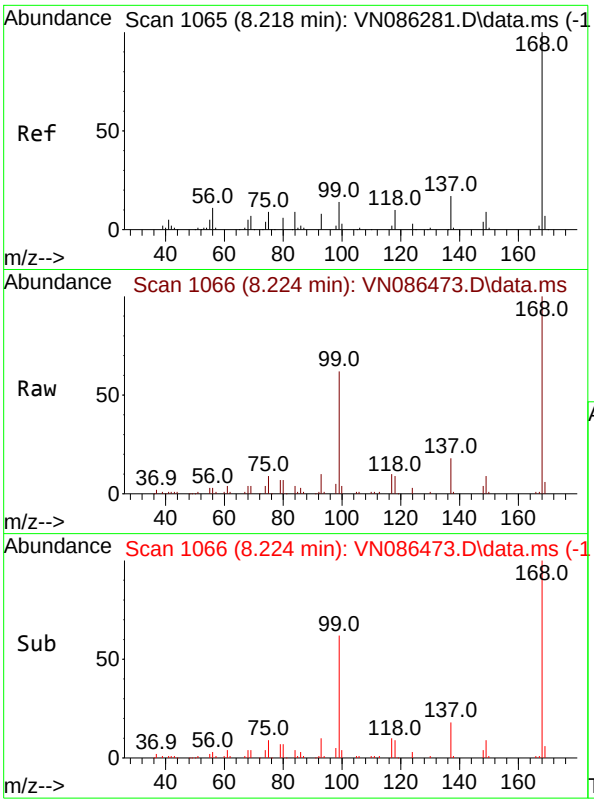
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Time: May 02 23:18:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



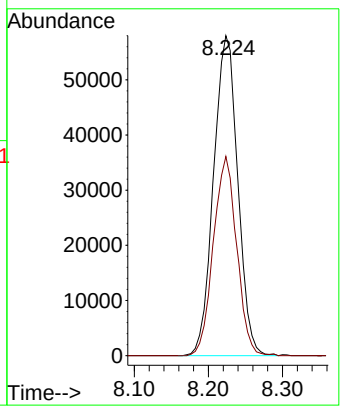


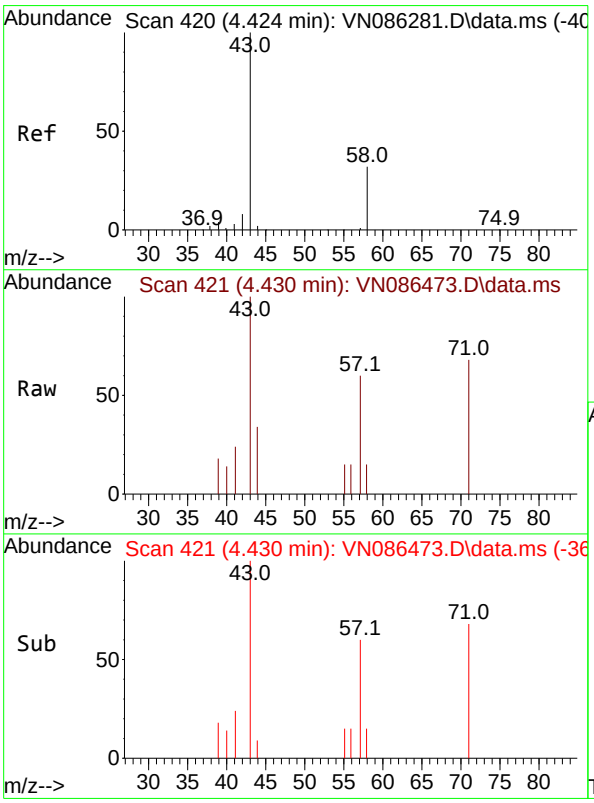
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:168 Resp: 131476

Ion	Ratio	Lower	Upper
168	100		
99	62.3	52.5	78.7

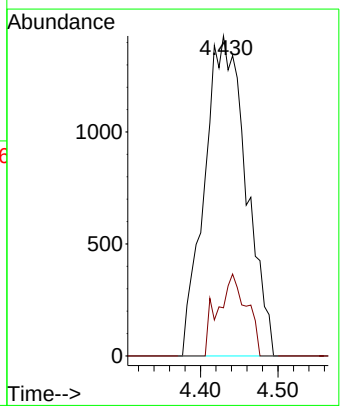


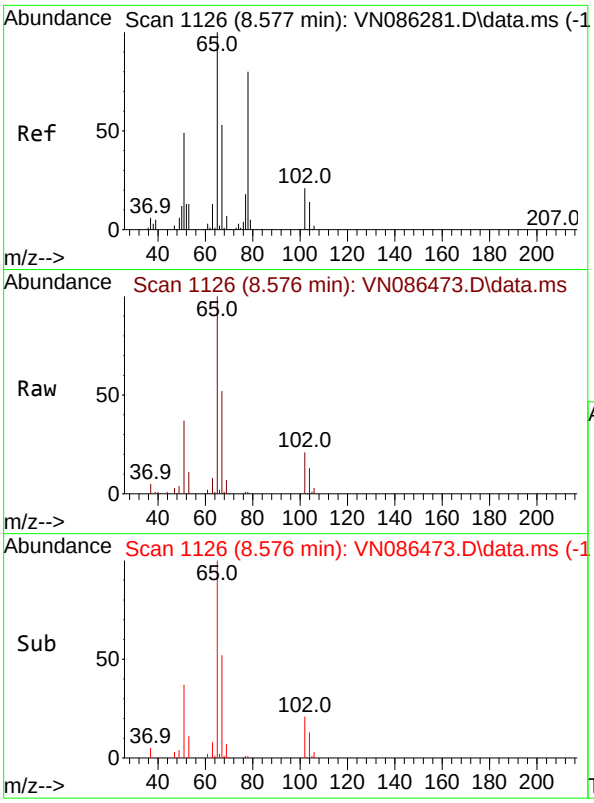


#16
Acetone
Concen: 2.439 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Tgt Ion: 43 Resp: 5333

Ion	Ratio	Lower	Upper
43	100		
58	15.0	25.3	37.9#



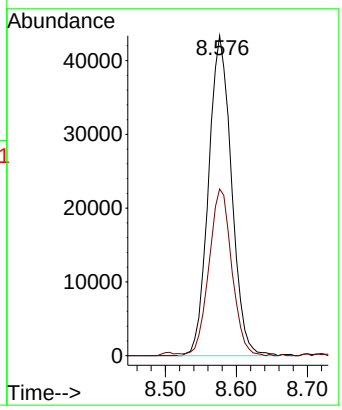


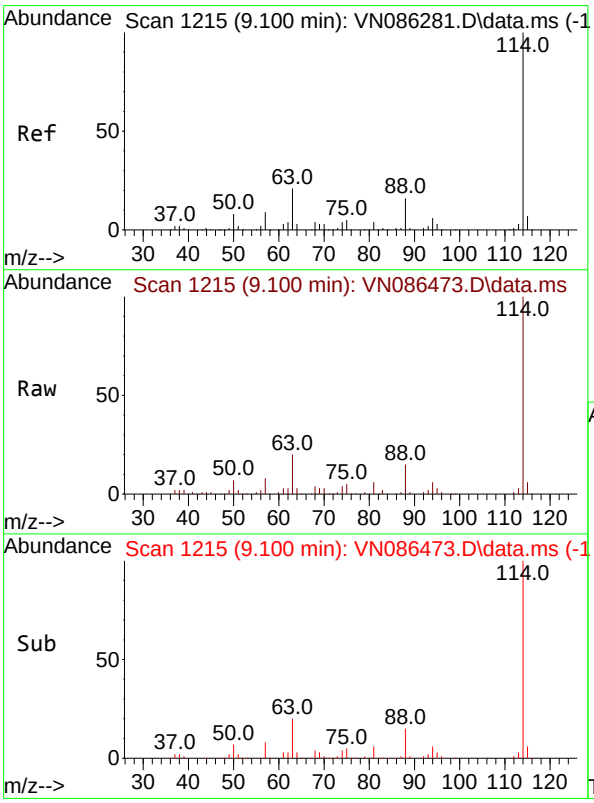
#33
1,2-Dichloroethane-d4
Concen: 51.041 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 65 Resp: 97311

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.0

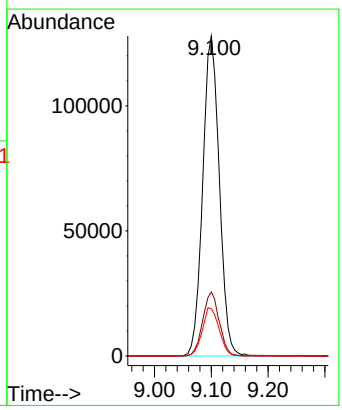


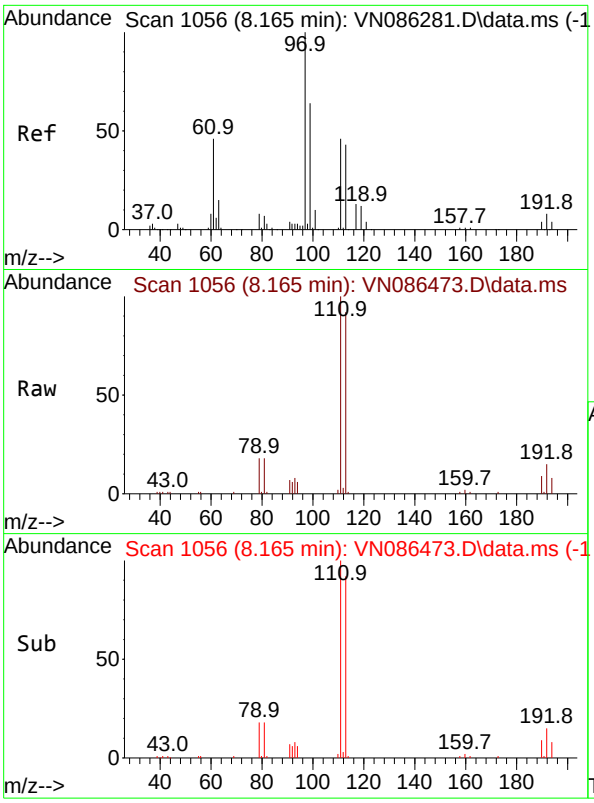


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Tgt Ion:114 Resp: 259020

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.6
88	14.7	0.0	31.8



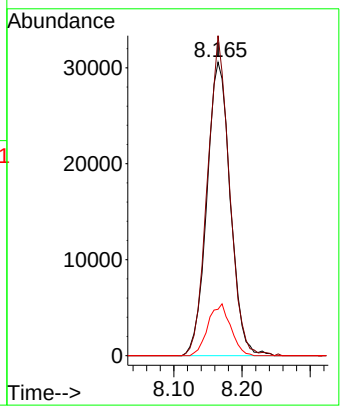


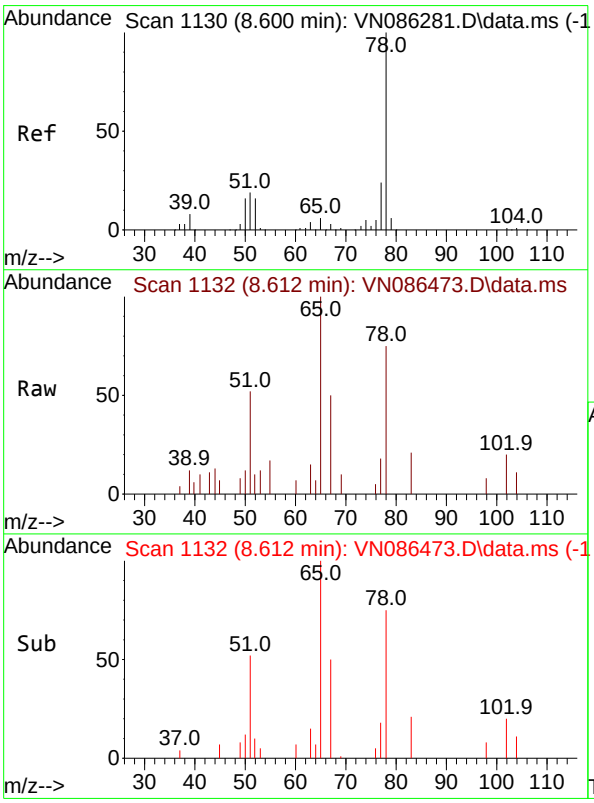
#35
Dibromofluoromethane
Concen: 60.797 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:113 Resp: 73087

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.4	125.0
192	17.1	13.7	20.5

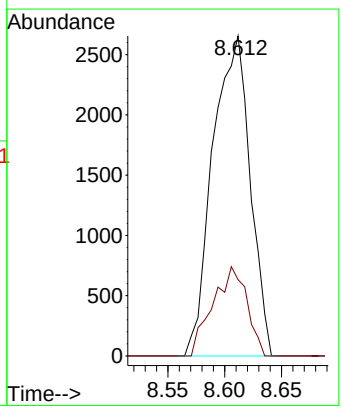


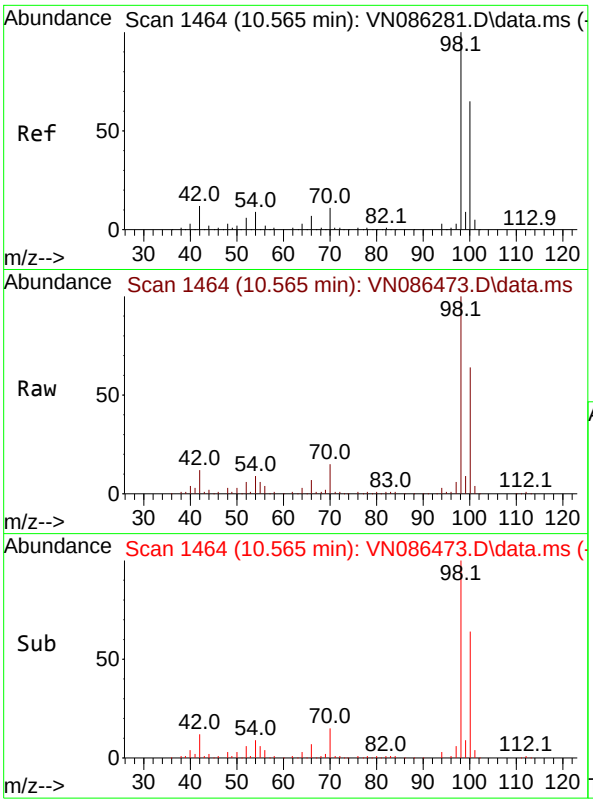


#40
Benzene
Concen: 0.789 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.012 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Tgt Ion: 78 Resp: 6072

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.2



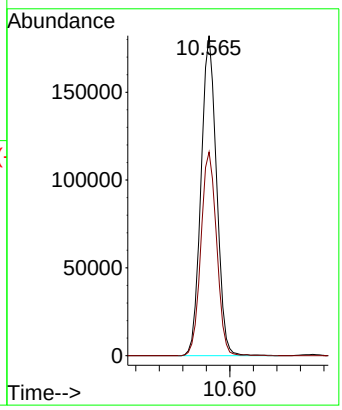


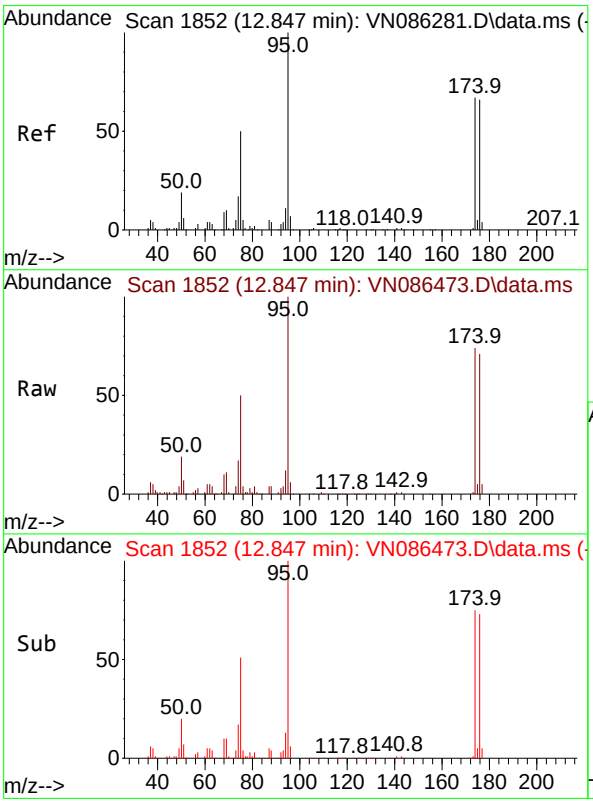
#50
Toluene-d8
Concen: 51.809 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 98 Resp: 332868

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.5	78.7

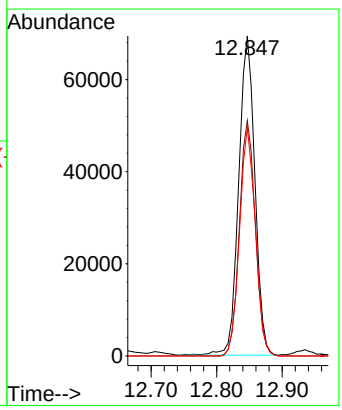


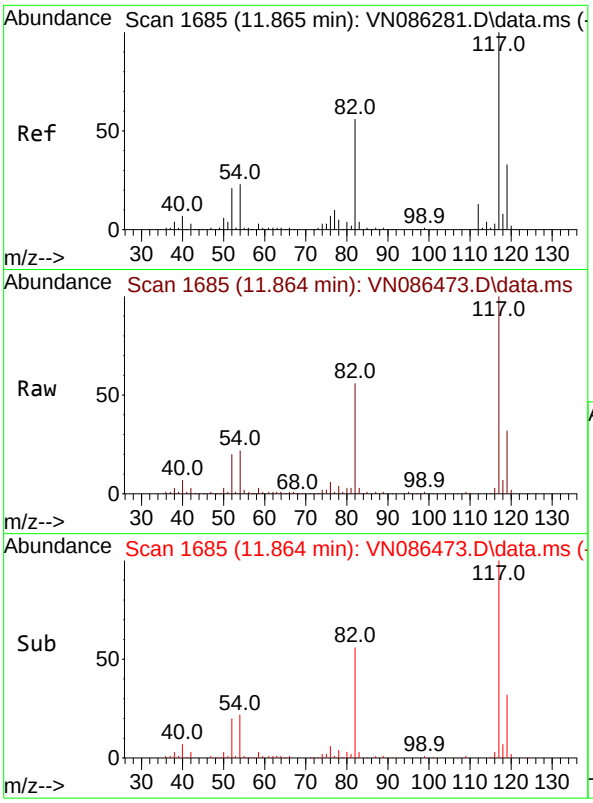


#62
4-Bromofluorobenzene
Concen: 50.718 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Tgt Ion: 95 Resp: 118853

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	133.4
176	69.9	0.0	129.2



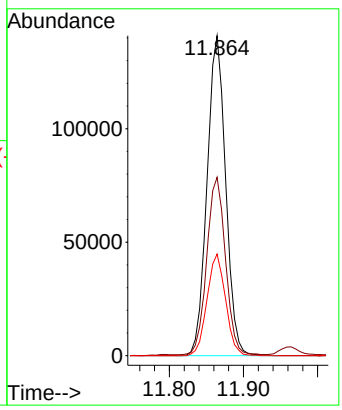


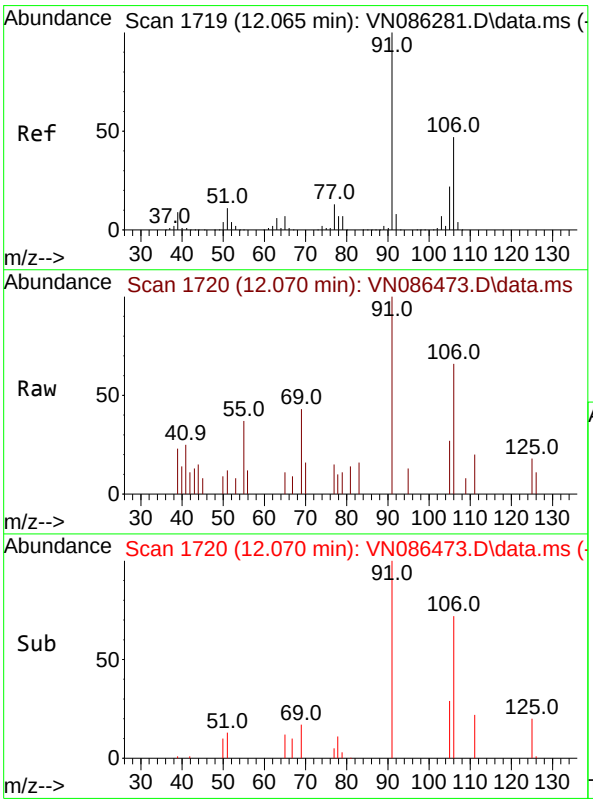
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:117 Resp: 245875

Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.7	67.1
119	31.8	26.4	39.6

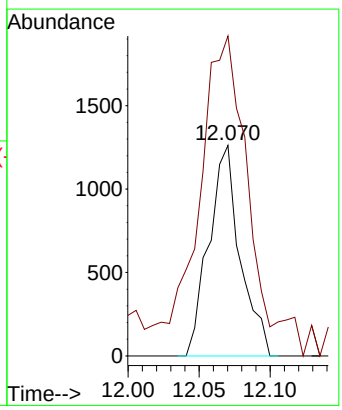


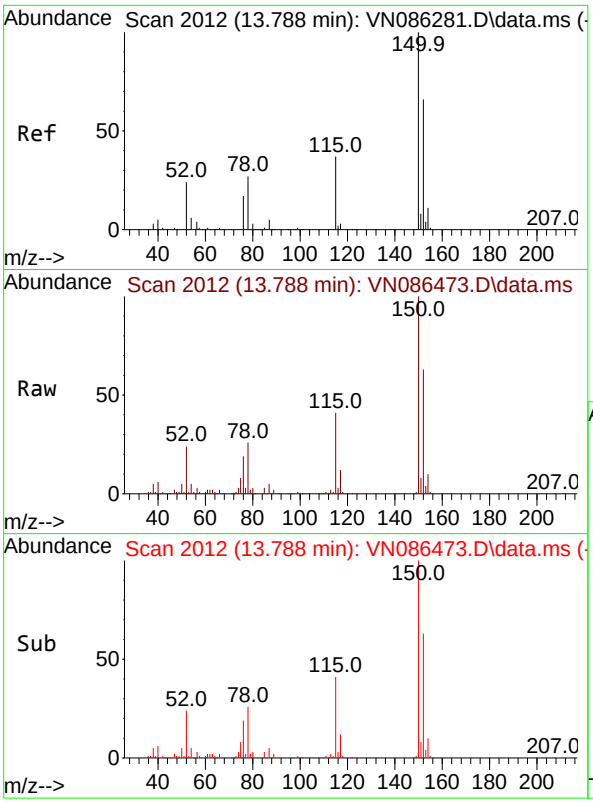


#68
m/p-Xylenes
Concen: 0.521 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Tgt Ion:106 Resp: 1932

Ion	Ratio	Lower	Upper
106	100		
91	241.7	166.5	249.7



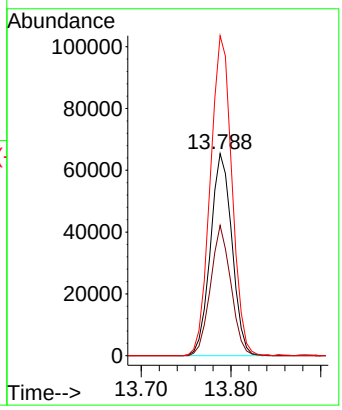


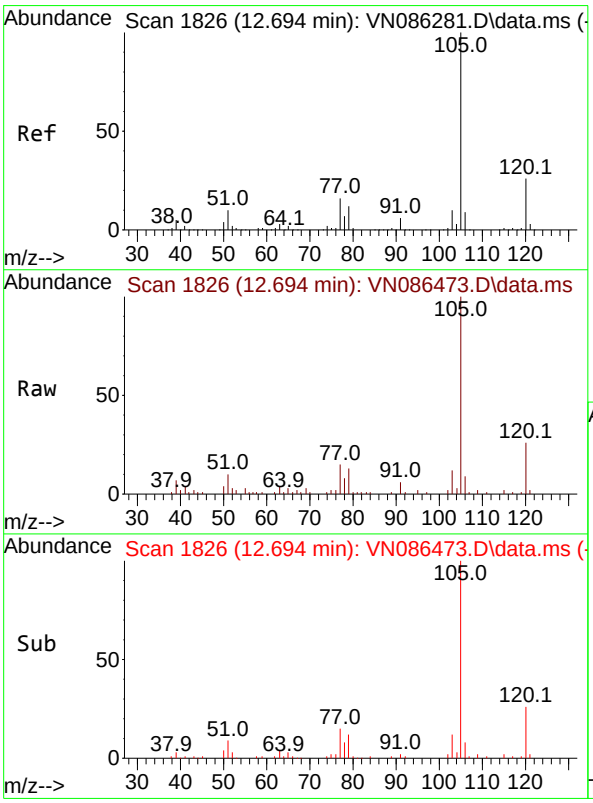
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:152 Resp: 108714

Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.9	95.9
150	159.2	0.0	352.0

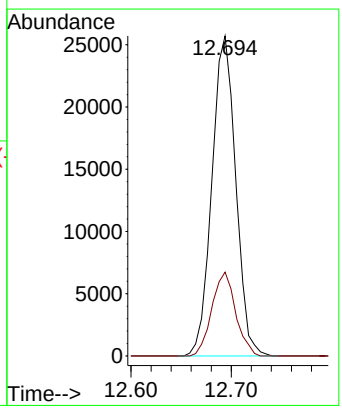


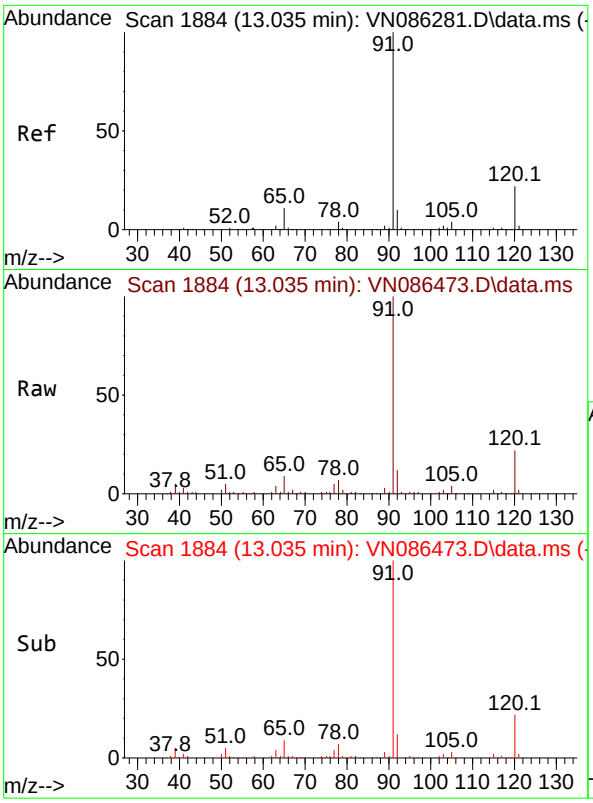


#73
Isopropylbenzene
Concen: 4.772 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Tgt Ion:105 Resp: 42439

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3



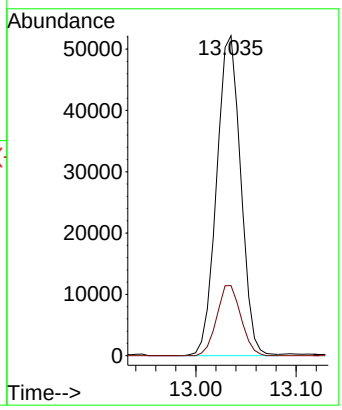


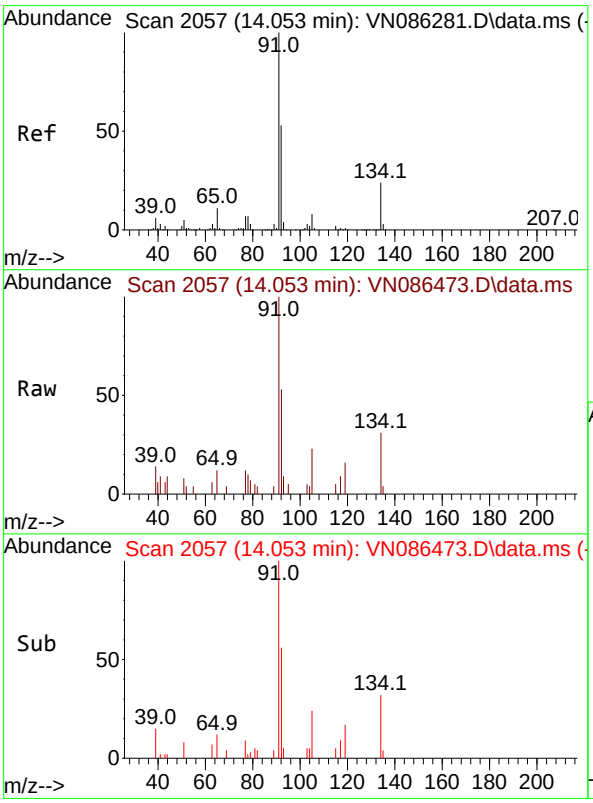
#78
n-propylbenzene
Concen: 8.295 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 91 Resp: 86921

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3

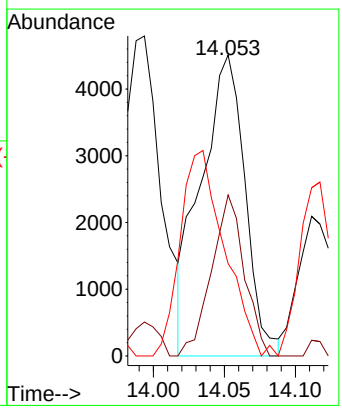




#89
n-Butylbenzene
Concen: 1.526 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086473.D
Acq: 02 May 2025 19:07

Tgt Ion: 91 Resp: 9756

Ion	Ratio	Lower	Upper
91	100		
92	39.7	26.8	80.4
134	67.8	12.2	36.6#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

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_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086473.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.241	212	219	233	rVB3	13285	41040	4.14%	0.404%
2	4.430	406	421	434	rBV6	4875	17631	1.78%	0.174%
3	5.271	552	564	573	rBV3	18594	70337	7.10%	0.693%
4	5.812	643	656	667	rBV	29063	94761	9.56%	0.934%
5	7.065	857	869	879	rBV4	8470	26520	2.68%	0.261%
6	7.224	886	896	905	rBV	23902	66795	6.74%	0.658%
7	7.500	935	943	951	rVB3	3968	12342	1.24%	0.122%
8	8.006	1021	1029	1040	rVB2	13225	35196	3.55%	0.347%
9	8.165	1045	1056	1061	rBV2	102327	245379	24.75%	2.417%
10	8.224	1061	1066	1075	rVV	181740	394568	39.80%	3.887%
11	8.329	1075	1084	1094	rVB	86102	209116	21.09%	2.060%
12	8.441	1095	1103	1108	rBV4	4714	10072	1.02%	0.099%
13	8.506	1108	1114	1119	rBV3	19971	41241	4.16%	0.406%
14	8.576	1119	1126	1137	rVV2	115483	269593	27.20%	2.656%
15	8.706	1139	1148	1152	rVV3	36014	107766	10.87%	1.062%
16	8.759	1152	1157	1168	rVV3	77904	283568	28.60%	2.794%
17	8.847	1168	1172	1181	rVB3	27840	65717	6.63%	0.647%
18	9.100	1207	1215	1226	rBV	298172	626293	63.18%	6.170%
19	9.194	1228	1231	1238	rVB3	10036	16984	1.71%	0.167%
20	9.329	1249	1254	1258	rBV3	11189	21295	2.15%	0.210%
21	9.382	1258	1263	1276	rVB3	13296	33596	3.39%	0.331%
22	9.565	1285	1294	1302	rBV5	66948	192055	19.37%	1.892%
23	9.641	1302	1307	1315	rVV2	38946	81465	8.22%	0.803%
24	9.723	1315	1321	1332	rVB4	8898	22593	2.28%	0.223%
25	9.865	1334	1345	1355	rVV2	60895	147909	14.92%	1.457%
26	10.006	1361	1369	1380	rBV2	86202	180748	18.23%	1.781%
27	10.100	1380	1385	1387	rBV2	25752	43455	4.38%	0.428%
28	10.141	1387	1392	1399	rVB	57504	115368	11.64%	1.137%
29	10.253	1405	1411	1417	rVB3	11242	25341	2.56%	0.250%
30	10.323	1417	1423	1430	rBV3	38883	78980	7.97%	0.778%
31	10.388	1431	1434	1440	rVB4	5830	10563	1.07%	0.104%
32	10.488	1440	1451	1457	rBV4	28063	61488	6.20%	0.606%
33	10.565	1457	1464	1476	rBV	523427	991332	100.00%	9.766%
34	10.741	1482	1494	1505	rVB5	50428	151111	15.24%	1.489%
35	10.847	1505	1512	1517	rBV5	12437	26677	2.69%	0.263%
36	10.912	1517	1523	1529	rVB	68911	118842	11.99%	1.171%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

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_N\methods\82N041525W.M
Title : SW846 8260

37	10.994	1529	1537	1544	rBV4	77290	223305	22.53%	2.200%
38	11.147	1558	1563	1573	rBV7	7828	24613	2.48%	0.242%
39	11.259	1573	1582	1585	rVV6	25714	64379	6.49%	0.634%
40	11.294	1585	1588	1593	rVV5	21441	41580	4.19%	0.410%
41	11.341	1593	1596	1597	rVV2	11604	15334	1.55%	0.151%
42	11.382	1598	1603	1608	rVV4	37096	75371	7.60%	0.743%
43	11.464	1608	1617	1622	rVV4	35083	92907	9.37%	0.915%
44	11.523	1622	1627	1632	rVV3	27522	55117	5.56%	0.543%
45	11.564	1632	1634	1640	rVB5	13755	22353	2.25%	0.220%
46	11.676	1645	1653	1661	rVB2	31231	68892	6.95%	0.679%
47	11.776	1661	1670	1673	rBV8	8181	20745	2.09%	0.204%
48	11.864	1678	1685	1692	rBV	430014	750427	75.70%	7.393%
49	11.964	1697	1702	1705	rVV2	24704	49423	4.99%	0.487%
50	12.000	1705	1708	1713	rVV2	20969	35609	3.59%	0.351%
51	12.053	1713	1717	1721	rVV6	11623	24027	2.42%	0.237%
52	12.106	1721	1726	1738	rVB10	14630	57564	5.81%	0.567%
53	12.276	1748	1755	1758	rBV5	8080	16431	1.66%	0.162%
54	12.376	1765	1772	1778	rBV6	18903	50370	5.08%	0.496%
55	12.576	1792	1806	1815	rBV7	30093	98850	9.97%	0.974%
56	12.653	1815	1819	1821	rVV2	13253	21023	2.12%	0.207%
57	12.694	1821	1826	1834	rVV	66659	122056	12.31%	1.202%
58	12.847	1845	1852	1860	rVV	330368	564472	56.94%	5.561%
59	12.935	1860	1867	1872	rVB4	13716	24690	2.49%	0.243%
60	13.035	1877	1884	1890	rVB	107440	180356	18.19%	1.777%
61	13.329	1926	1934	1942	rVB7	5331	15892	1.60%	0.157%
62	13.417	1942	1949	1957	rVB4	9899	23570	2.38%	0.232%
63	13.606	1974	1981	1988	rVV3	36180	91734	9.25%	0.904%
64	13.788	2003	2012	2022	rVB	410791	686138	69.21%	6.760%
65	13.876	2022	2027	2031	rBV4	6988	13745	1.39%	0.135%
66	13.947	2033	2039	2043	rVV	75236	123595	12.47%	1.218%
67	13.994	2043	2047	2051	rVV	94948	162183	16.36%	1.598%
68	14.035	2051	2054	2062	rVB3	30589	58663	5.92%	0.578%
69	14.111	2062	2067	2074	rVB3	32606	53314	5.38%	0.525%
70	14.329	2098	2104	2109	rVB2	31558	48782	4.92%	0.481%
71	14.394	2109	2115	2118	rBV	25792	45300	4.57%	0.446%
72	14.441	2118	2123	2129	rVB2	126233	218428	22.03%	2.152%
73	14.511	2129	2135	2137	rBV5	14407	26526	2.68%	0.261%
74	14.576	2143	2146	2150	rVB2	11322	16963	1.71%	0.167%
75	14.653	2150	2159	2165	rVB2	70374	134283	13.55%	1.323%
76	14.729	2168	2172	2176	rBV	14257	21874	2.21%	0.215%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

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_N\methods\82N041525W.M
Title : SW846 8260

77	14.770	2176	2179	2187	rVV3	12634	22373	2.26%	0.220%
78	14.876	2187	2197	2201	rVV3	30585	63955	6.45%	0.630%
79	14.929	2201	2206	2216	rVV2	67729	135934	13.71%	1.339%
80	15.047	2217	2226	2233	rVV2	40102	96625	9.75%	0.952%
81	15.117	2233	2238	2250	rVB5	14219	31255	3.15%	0.308%
82	15.317	2260	2272	2276	rBV2	40266	86479	8.72%	0.852%
83	15.429	2285	2291	2301	rVB3	47313	118948	12.00%	1.172%
84	15.594	2312	2319	2328	rVB4	10585	23659	2.39%	0.233%
85	15.694	2330	2336	2342	rBV4	13734	32021	3.23%	0.315%
86	15.747	2342	2345	2348	rBV4	9496	14798	1.49%	0.146%
87	15.941	2369	2378	2386	rBV2	24502	53265	5.37%	0.525%
88	16.117	2402	2408	2422	rVV5	11336	37498	3.78%	0.369%
89	16.252	2425	2431	2437	rBV3	10796	23901	2.41%	0.235%
90	16.329	2437	2444	2456	rVB6	9085	31199	3.15%	0.307%

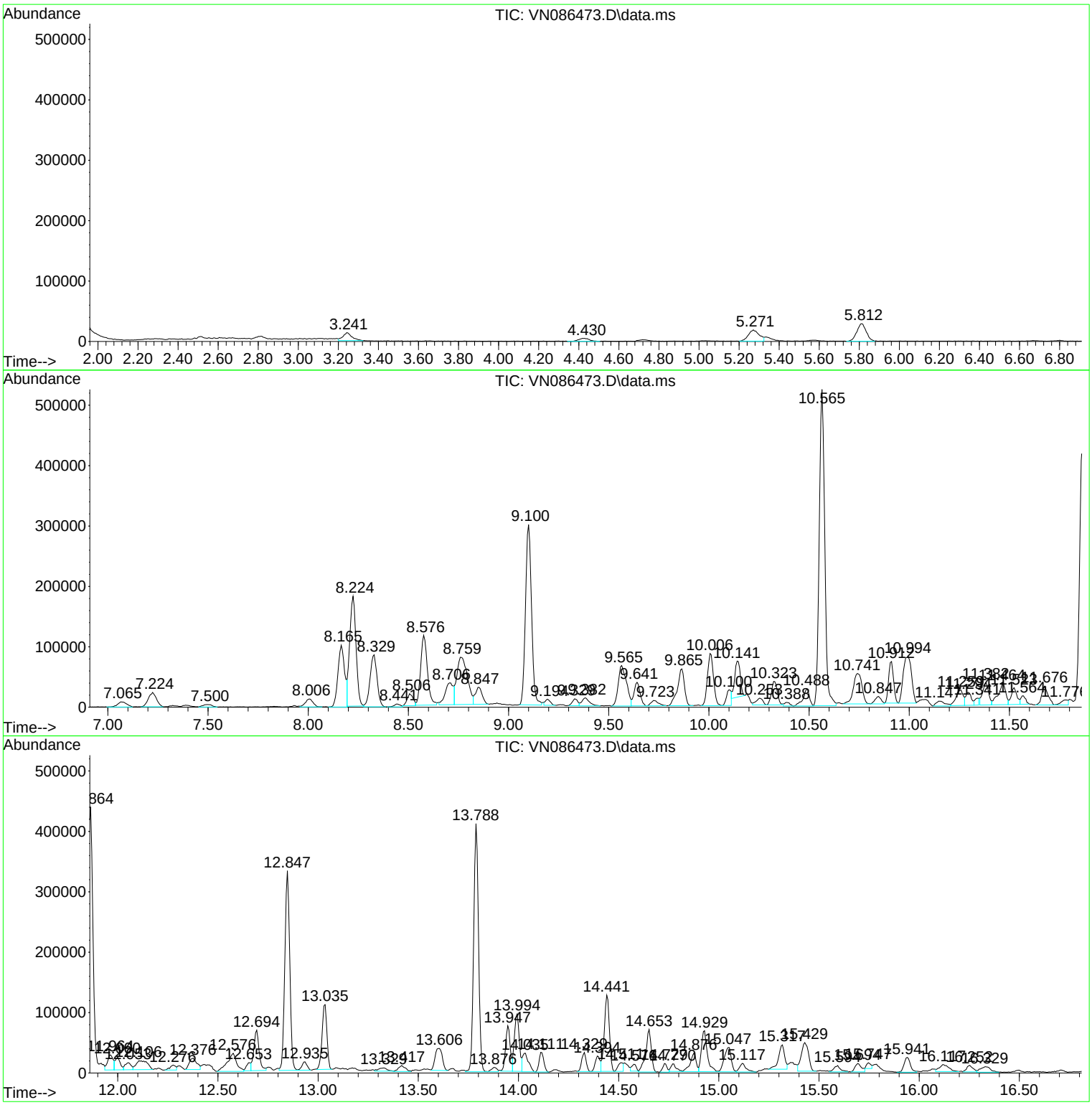
Sum of corrected areas: 10150531

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

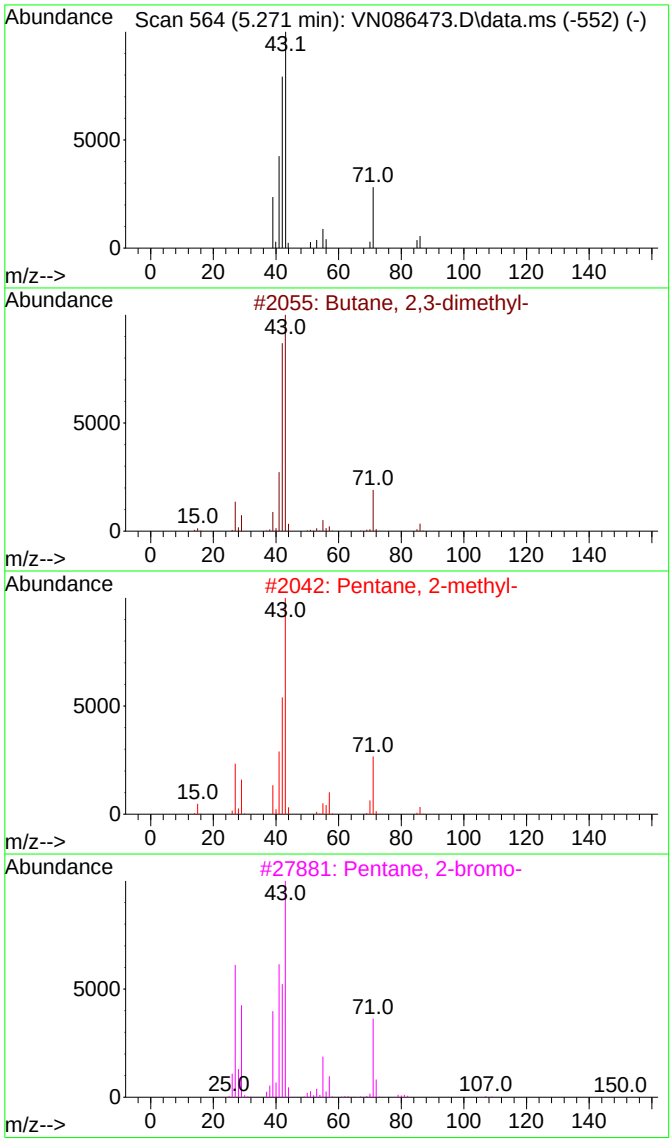
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

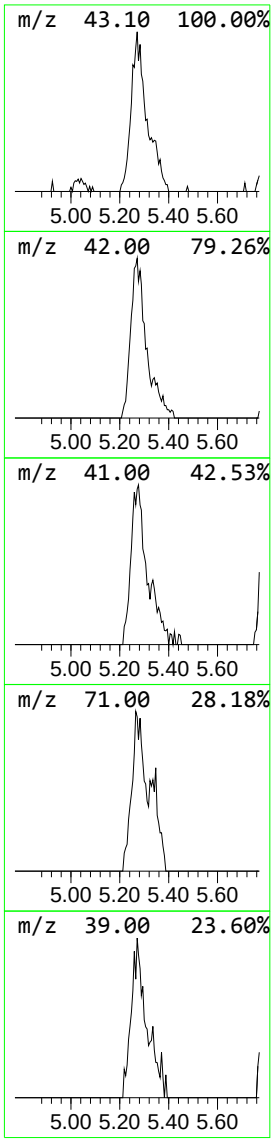
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.271	8.91 ug/l	70337	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
3	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	9
4	2H-Pyran-2-one, tetrahydro-3,6-d...	128	C7H12O2	003720-22-7	9
5	Cyanic acid, ethyl ester	71	C3H5NO	000627-48-5	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

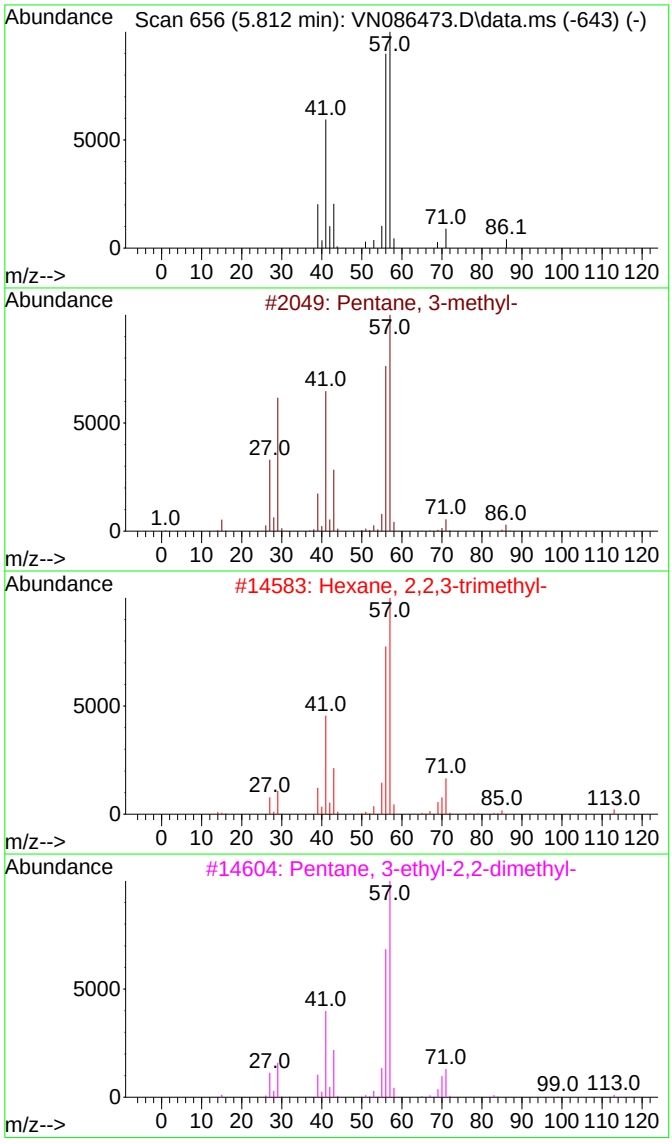
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

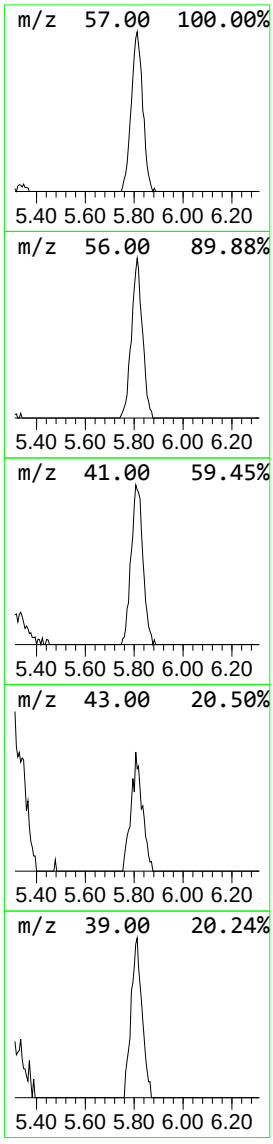
****

Peak Number 2 Pentane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.812	12.01 ug/l	94761	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	83
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	39
5	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	39





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On    : 02 May 2025  19:07
Operator  : JC\MD
Sample    : Q1940-04
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title  : SW846 8260

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

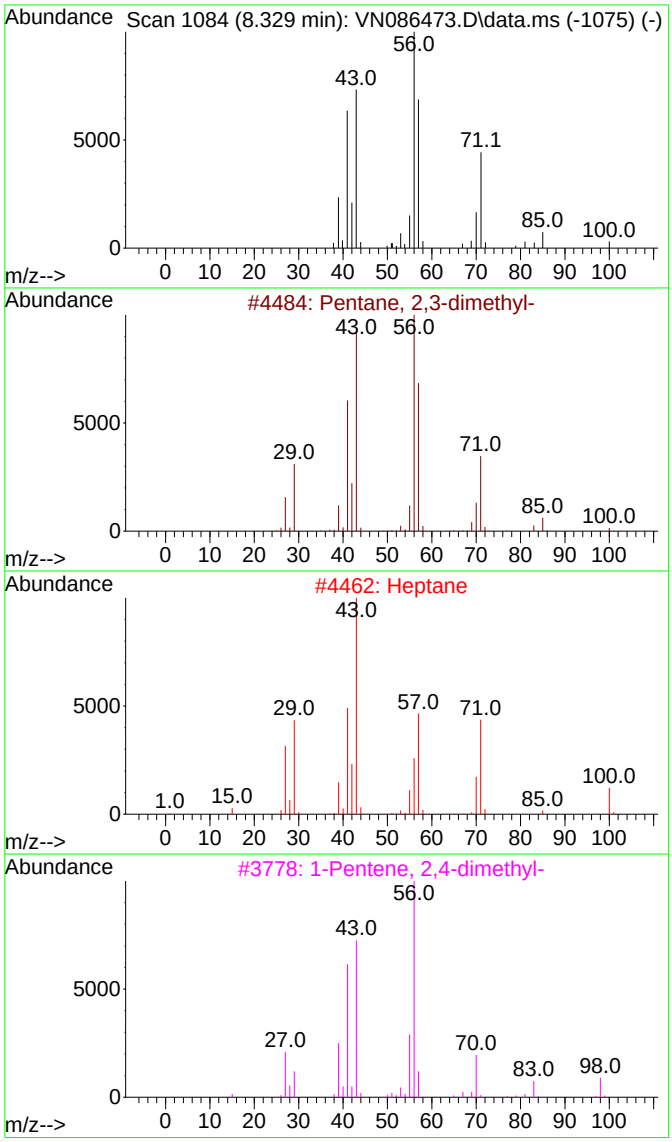
Instrument :
MSVOA_N
ClientSampleId :
MW-1

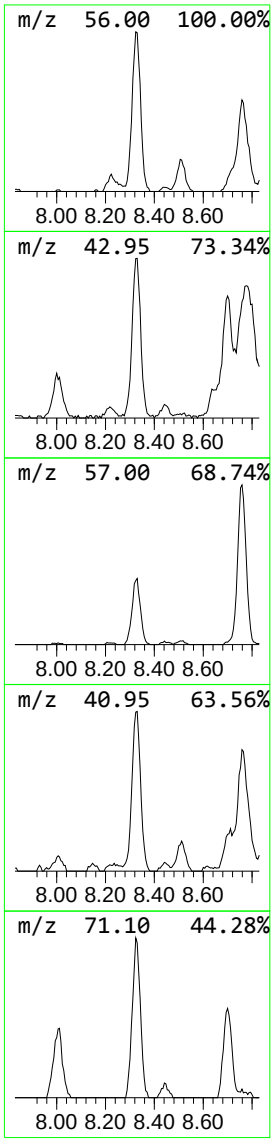
****

Peak Number 3 Pentane, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.329	26.50 ug/l	209116	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Heptane	100	C7H16	000142-82-5	50
3	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	50
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	43
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

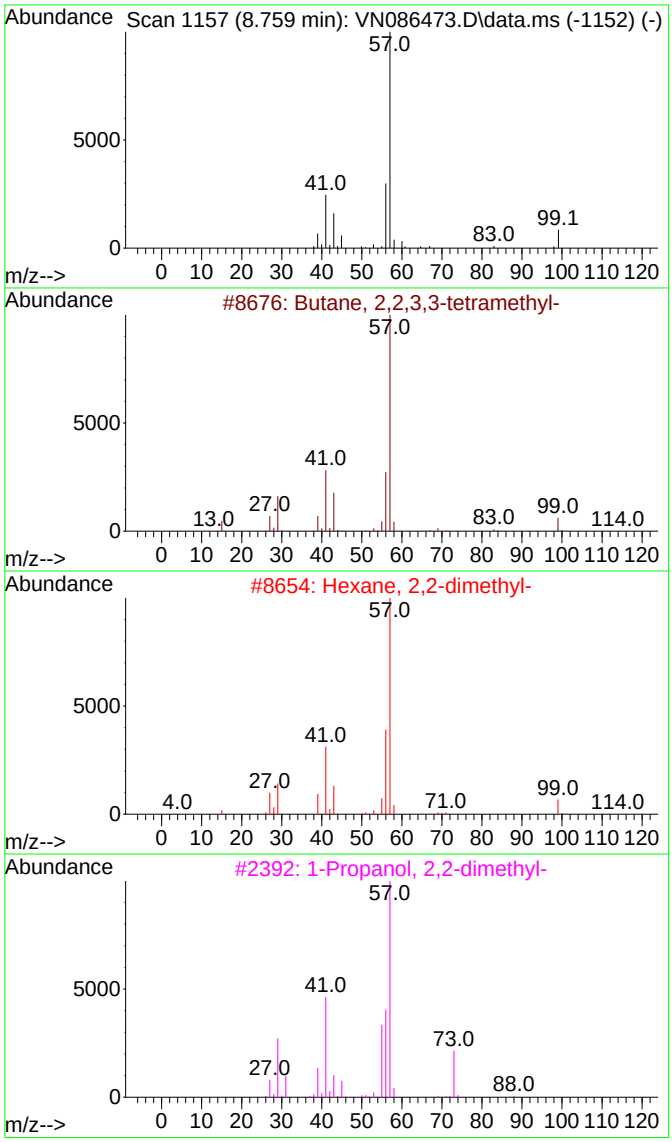
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

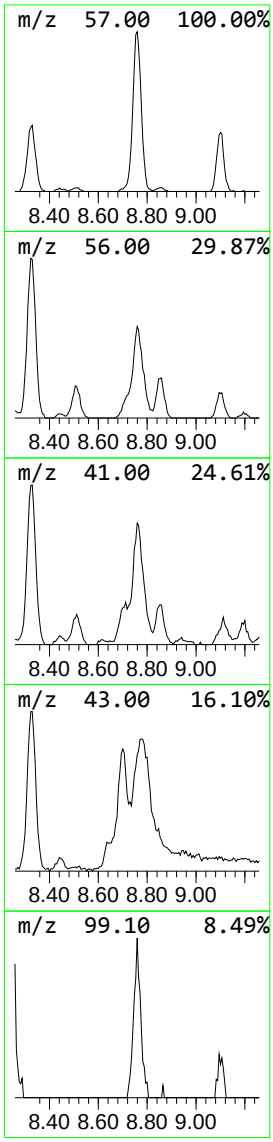
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Butane, 2,2,3,3-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.759	22.64 ug/l	283568	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
3	1-Propanol, 2,2-dimethyl-	88	C5H12O	000075-84-3	64
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	45





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Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

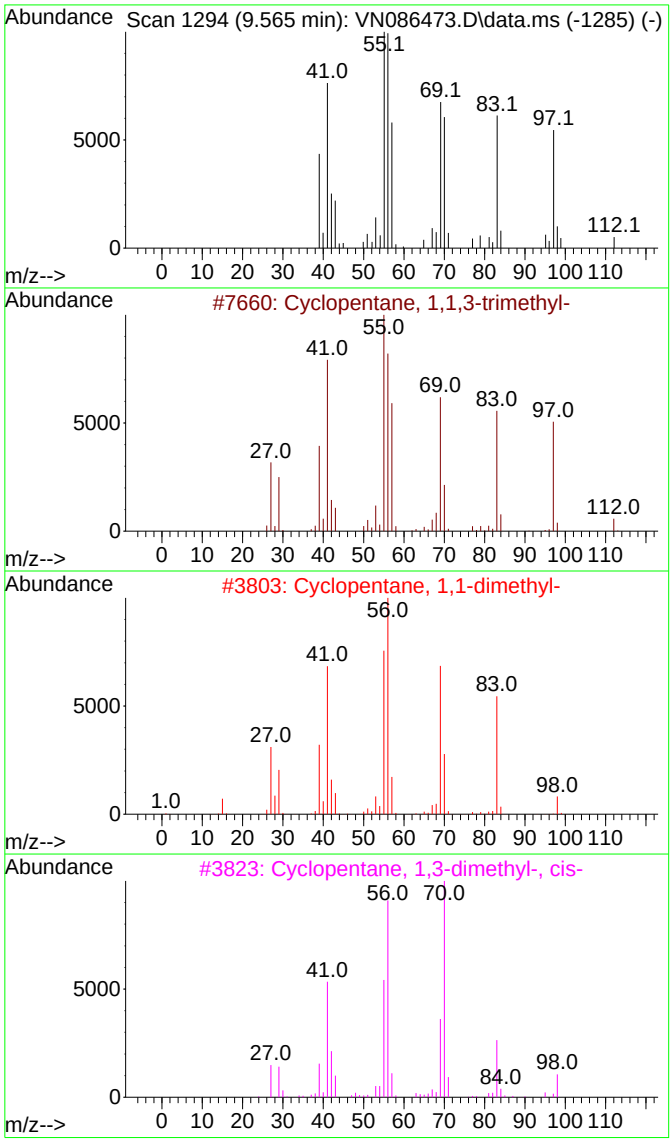
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

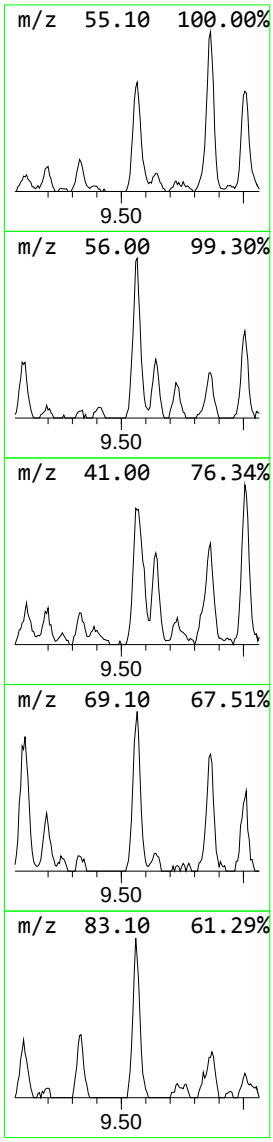
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.565	15.33 ug/l	192055	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	93
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	53
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	46
4	Isopropylcyclobutane	98	C7H14	000872-56-0	46
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	46





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Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

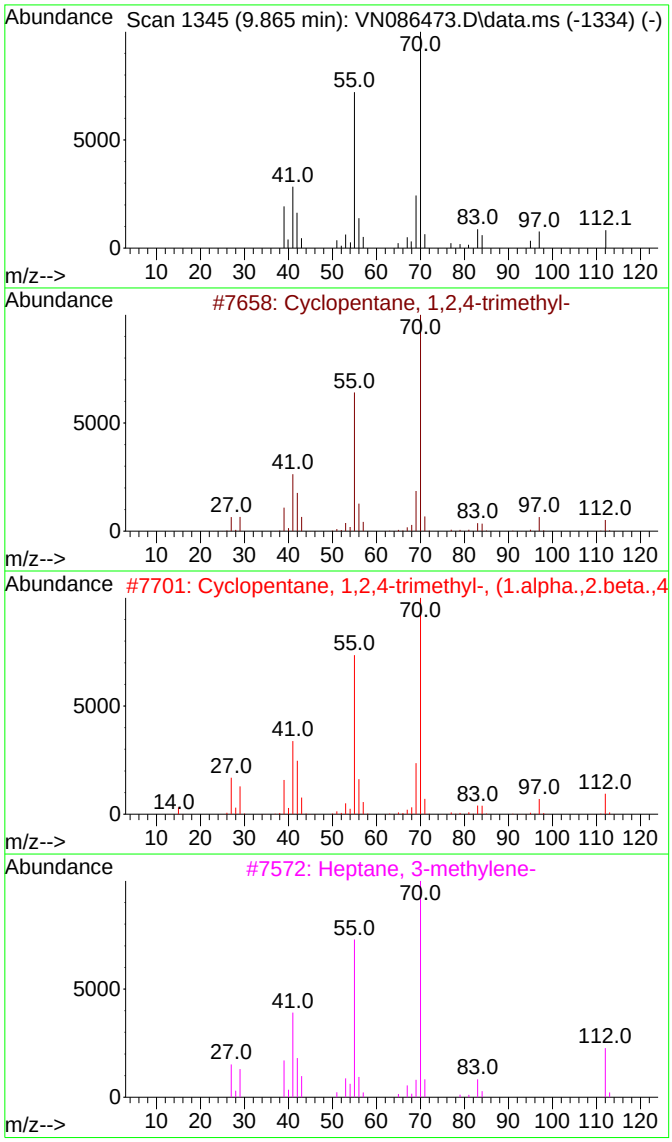
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

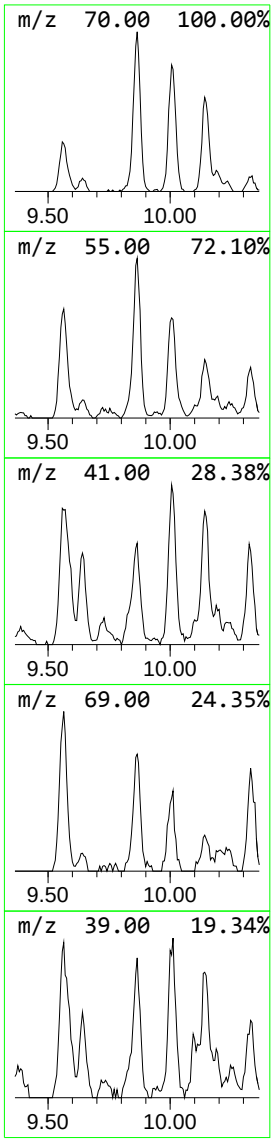
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.865	11.81 ug/l	147909	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
3	Heptane, 3-methylene-	112	C8H16	001632-16-2	78
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72
5	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	72





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Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

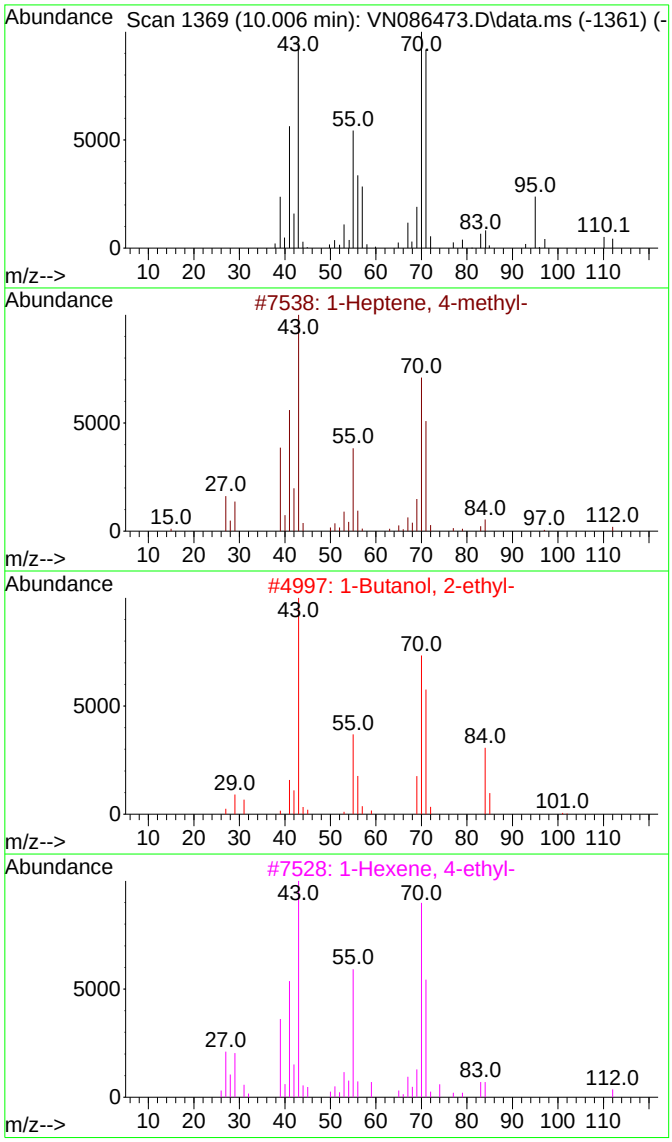
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

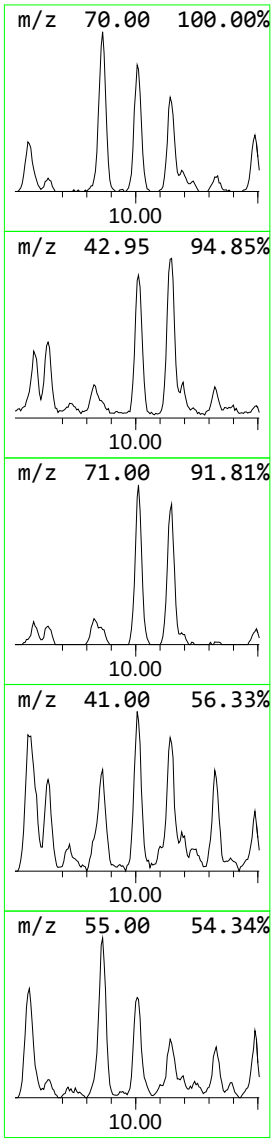
****

Peak Number 7 1-Heptene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.006	14.43 ug/l	180748	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	72
2	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	50
3	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	49
4	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	47
5	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	47





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Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

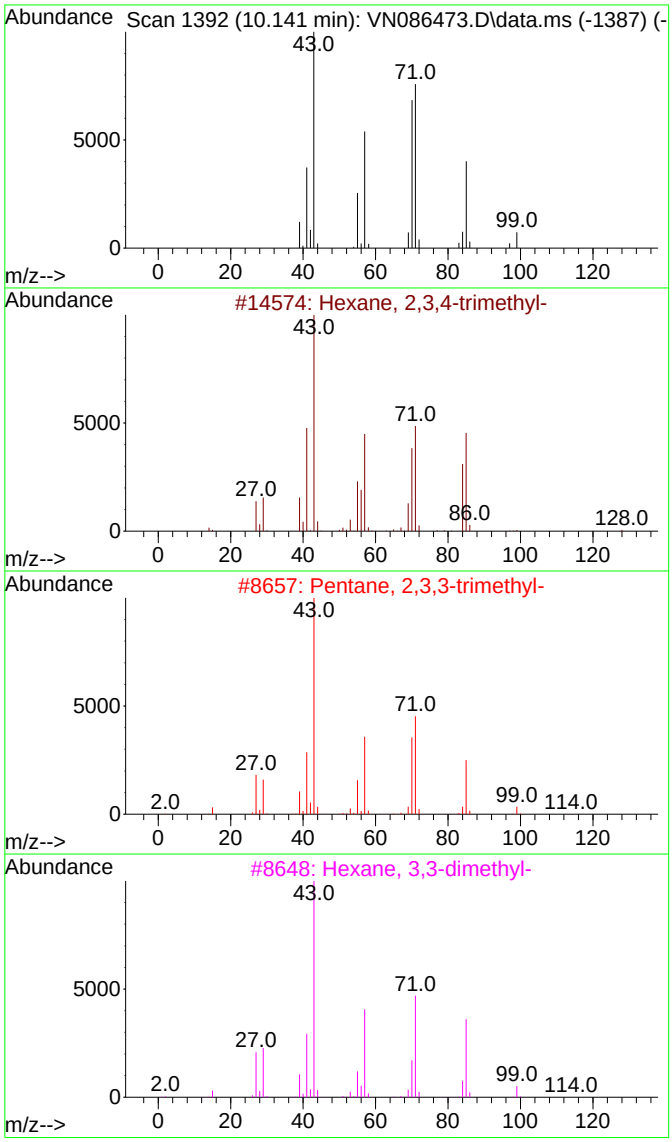
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

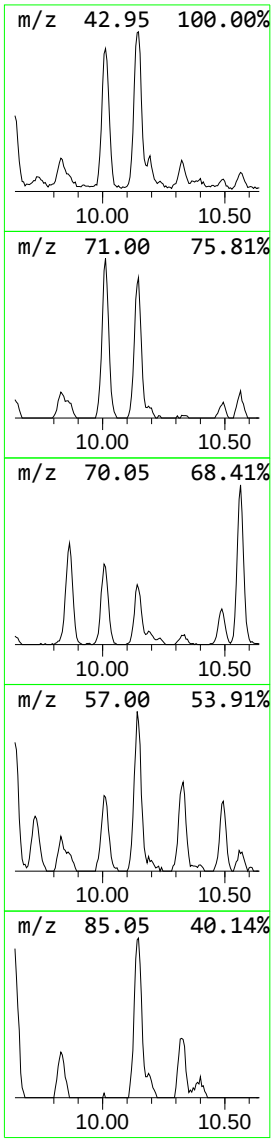
****

Peak Number 8 Hexane, 2,3,4-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.141	9.21 ug/l	115368	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	83
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
5	Hexadecane	226	C16H34	000544-76-3	45





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Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

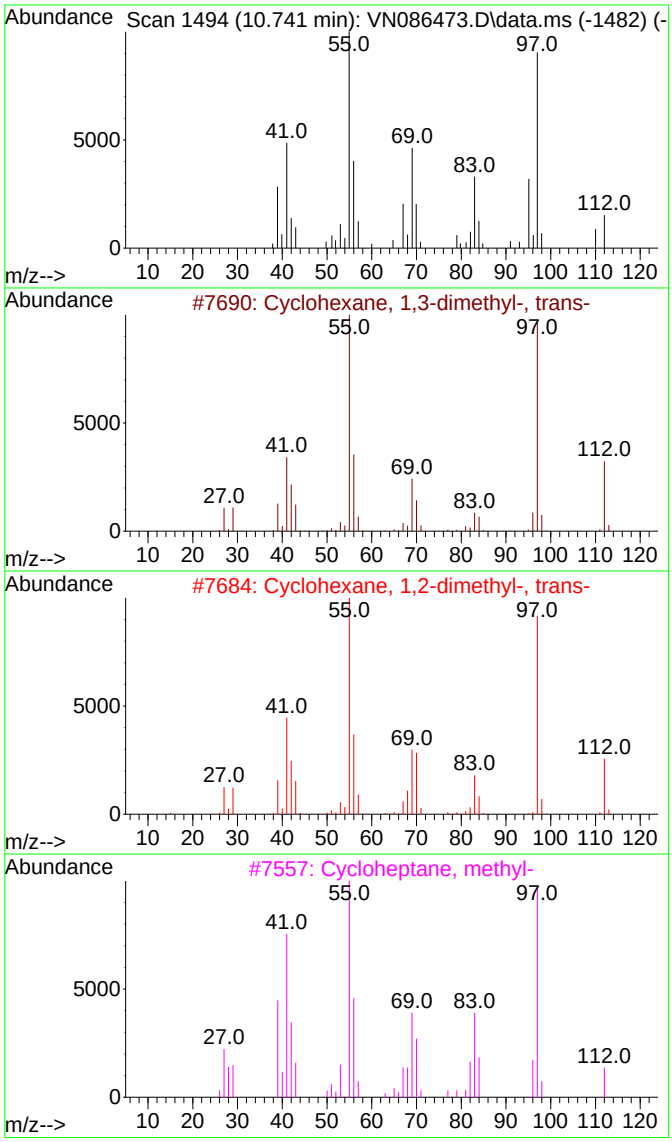
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

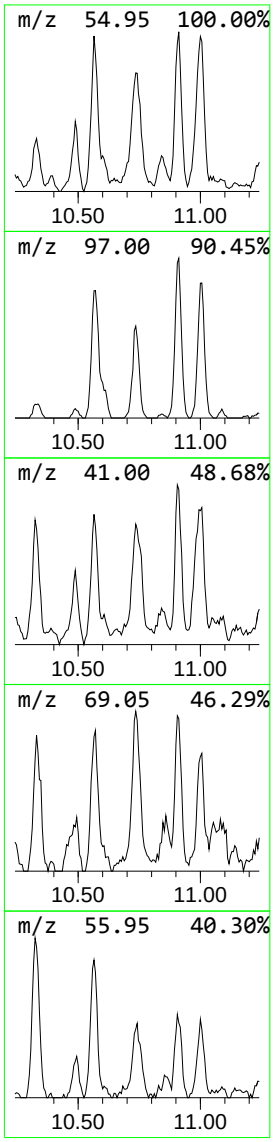
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.741	10.07 ug/l	151111	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	74
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64
3	Cycloheptane, methyl-	112	C8H16	004126-78-7	64
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	58
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	58





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Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

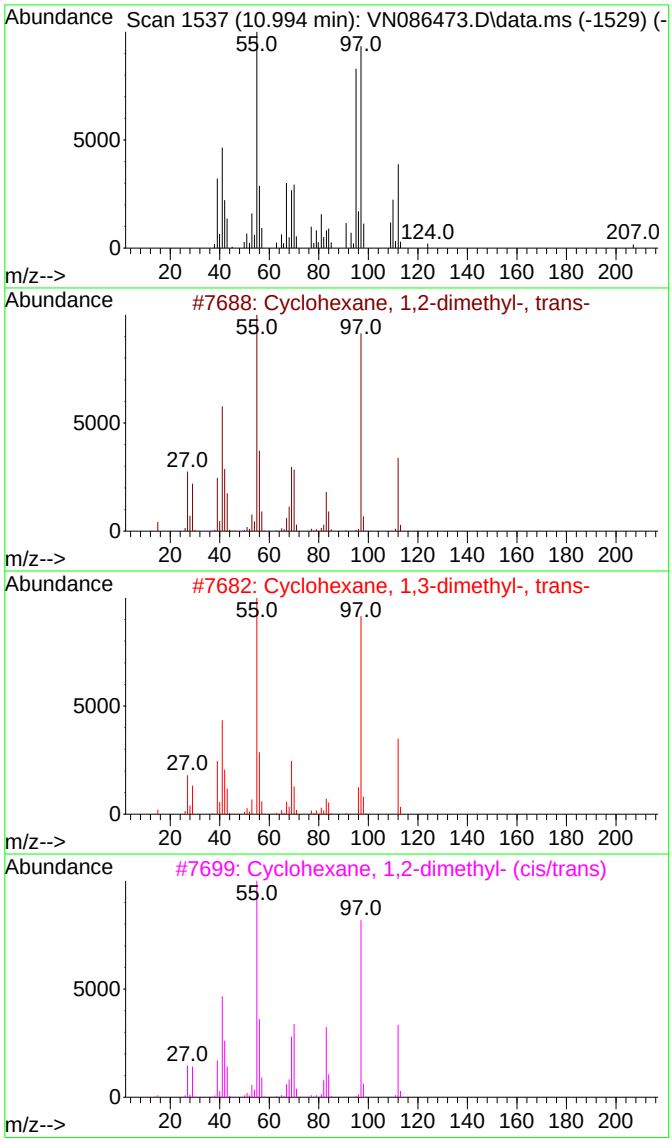
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

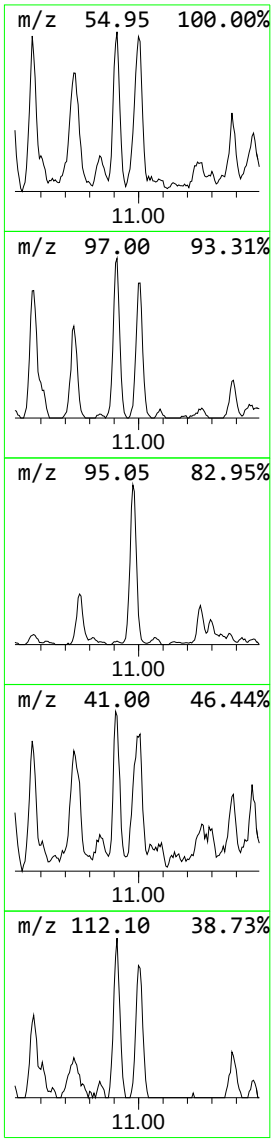
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.994	14.88 ug/l	223305	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	55
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	55
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	55
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	55





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Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

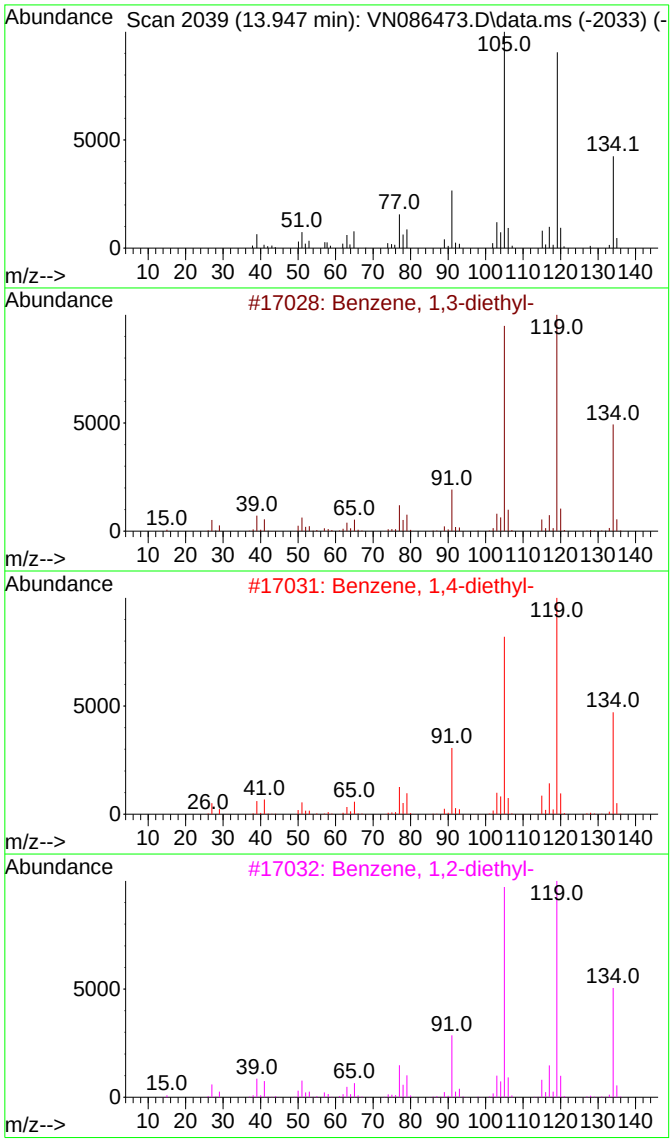
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

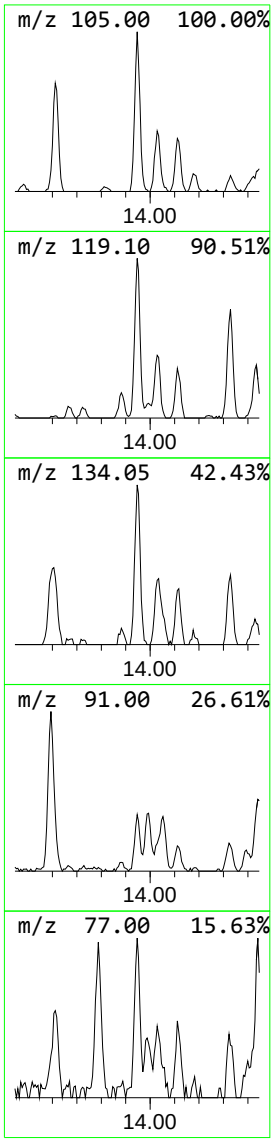
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.947	9.01 ug/l	123595	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	92
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	o-Cymene	134	C10H14	000527-84-4	81





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Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

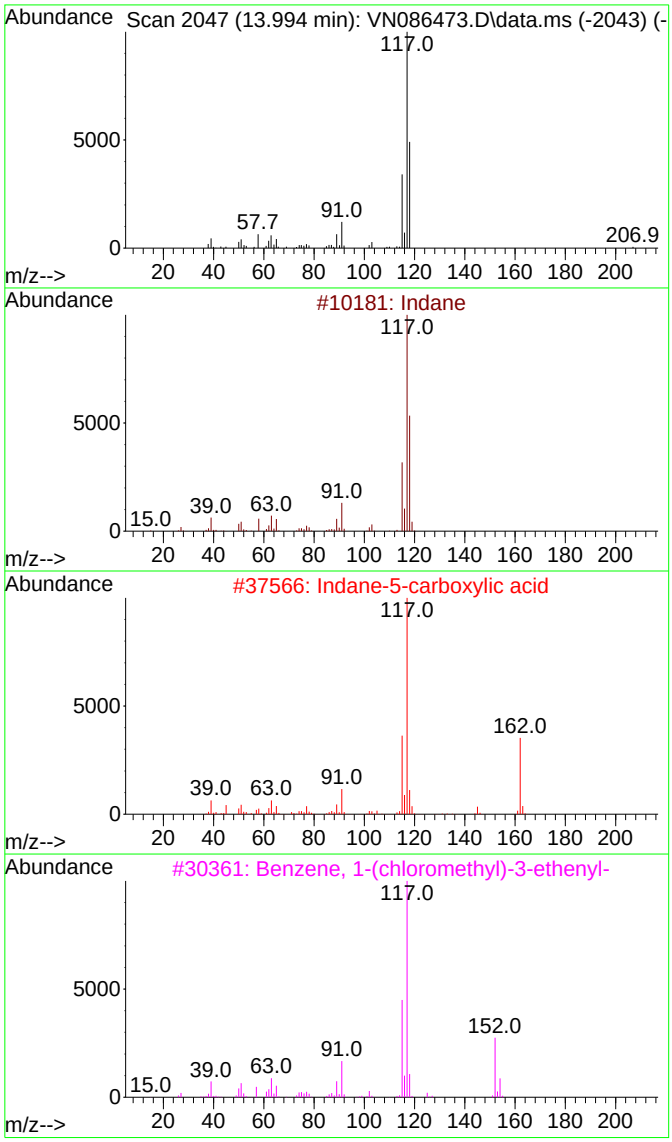
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

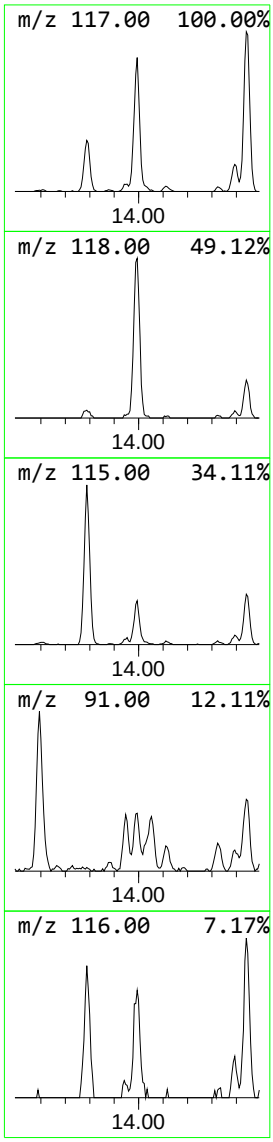
****

Peak Number 12 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	11.82 ug/l	162183	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane-5-carboxylic acid	162	C10H10O2	065898-38-6	59
3	Benzene, 1-(chloromethyl)-3-ethe...	152	C9H9Cl	039833-65-3	59
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	59
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53





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Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

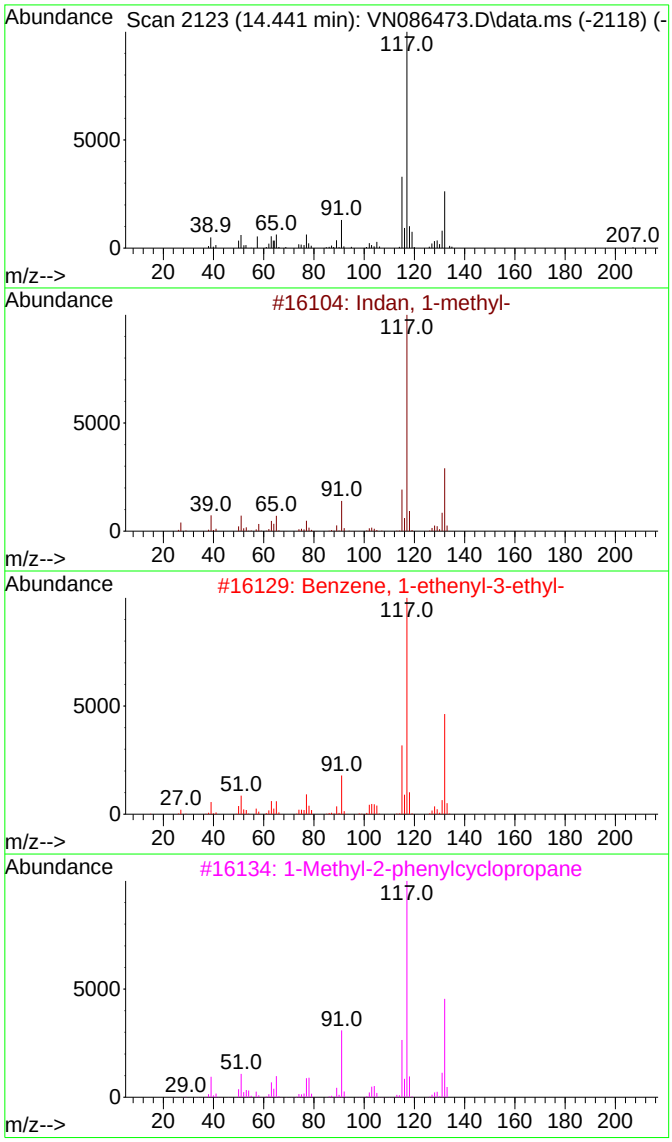
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

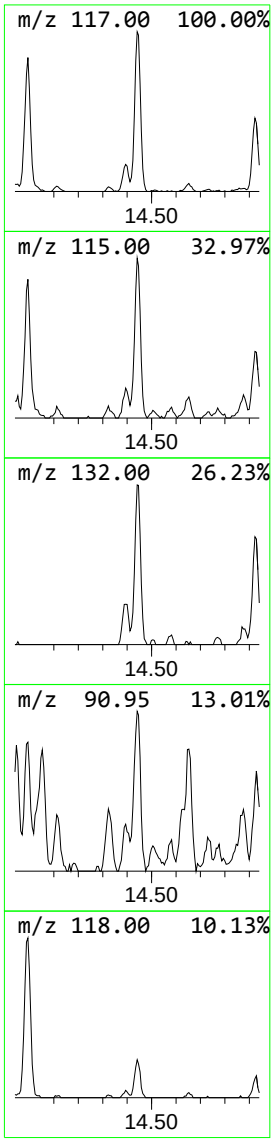
****

Peak Number 13 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.441	15.92 ug/l	218428	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	83
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80





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Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

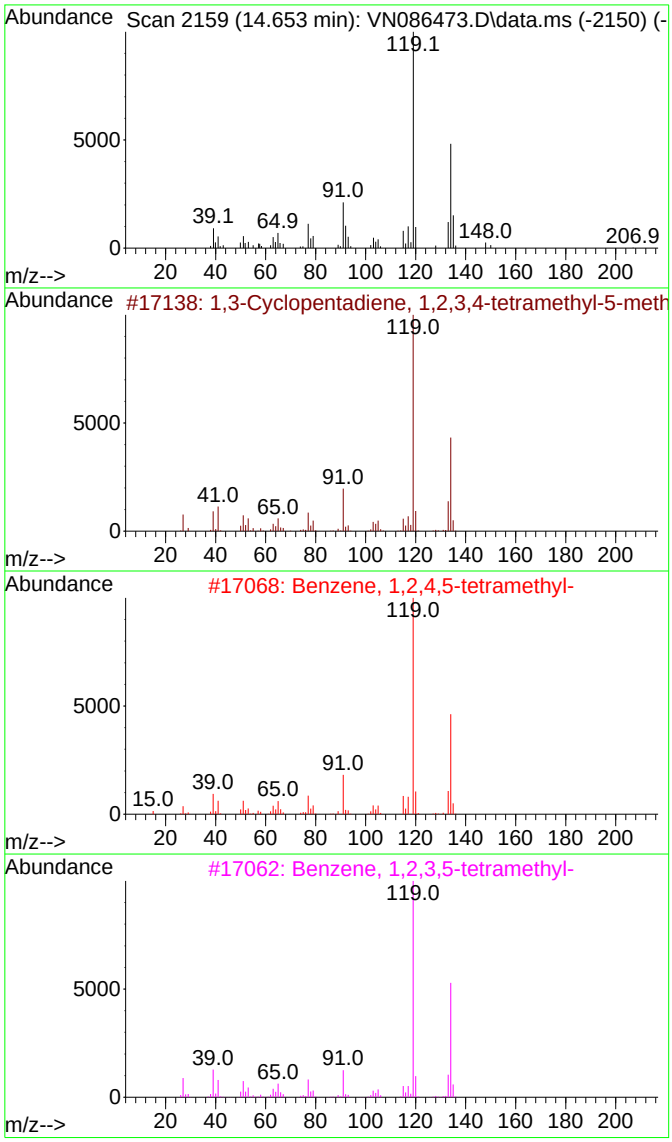
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

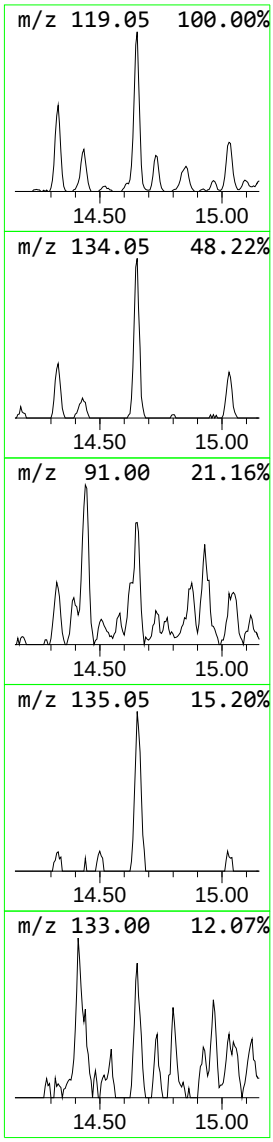
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.653	9.79 ug/l	134283	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90





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Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

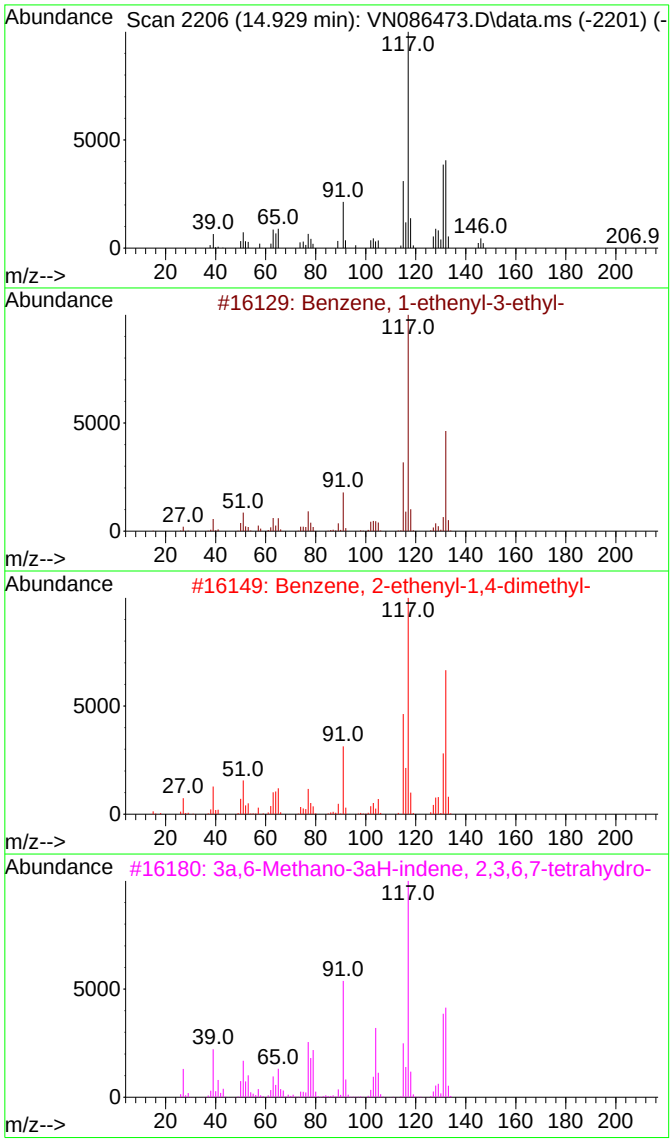
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

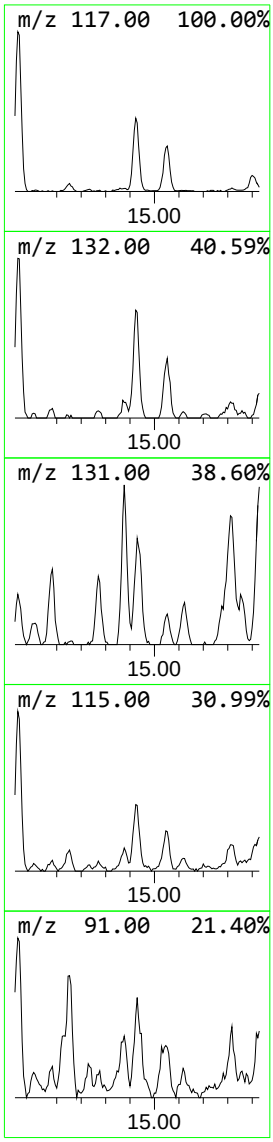
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.929	9.91 ug/l	135934	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	3a,6-Methano-3aH-indene, 2,3,6,7...	132	C10H12	098640-29-0	90
4	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086473.D
Acq On : 02 May 2025 19:07
Operator : JC\MD
Sample : Q1940-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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, 2,3-dim...	5.271	8.9	ug/l	70337	1	8.224	394568	50.0
Pentane, 3-methyl-	5.812	12.0	ug/l	94761	1	8.224	394568	50.0
Pentane, 2,3-di...	8.329	26.5	ug/l	209116	1	8.224	394568	50.0
Butane, 2,2,3,3...	8.759	22.6	ug/l	283568	2	9.100	626293	50.0
Cyclopentane, 1...	9.565	15.3	ug/l	192055	2	9.100	626293	50.0
Cyclopentane, 1...	9.865	11.8	ug/l	147909	2	9.100	626293	50.0
1-Heptene, 4-me...	10.006	14.4	ug/l	180748	2	9.100	626293	50.0
Hexane, 2,3,4-t...	10.141	9.2	ug/l	115368	2	9.100	626293	50.0
Cyclohexane, 1,...	10.741	10.1	ug/l	151111	3	11.865	750427	50.0
Cyclohexane, 1,...	10.994	14.9	ug/l	223305	3	11.865	750427	50.0
Benzene, 1,3-di...	13.947	9.0	ug/l	123595	4	13.788	686138	50.0
Indane	13.994	11.8	ug/l	162183	4	13.788	686138	50.0
Indan, 1-methyl-	14.441	15.9	ug/l	218428	4	13.788	686138	50.0
1,3-Cyclopentad...	14.653	9.8	ug/l	134283	4	13.788	686138	50.0
Benzene, 1-ethe...	14.929	9.9	ug/l	135934	4	13.788	686138	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Time: May 02 23:18:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

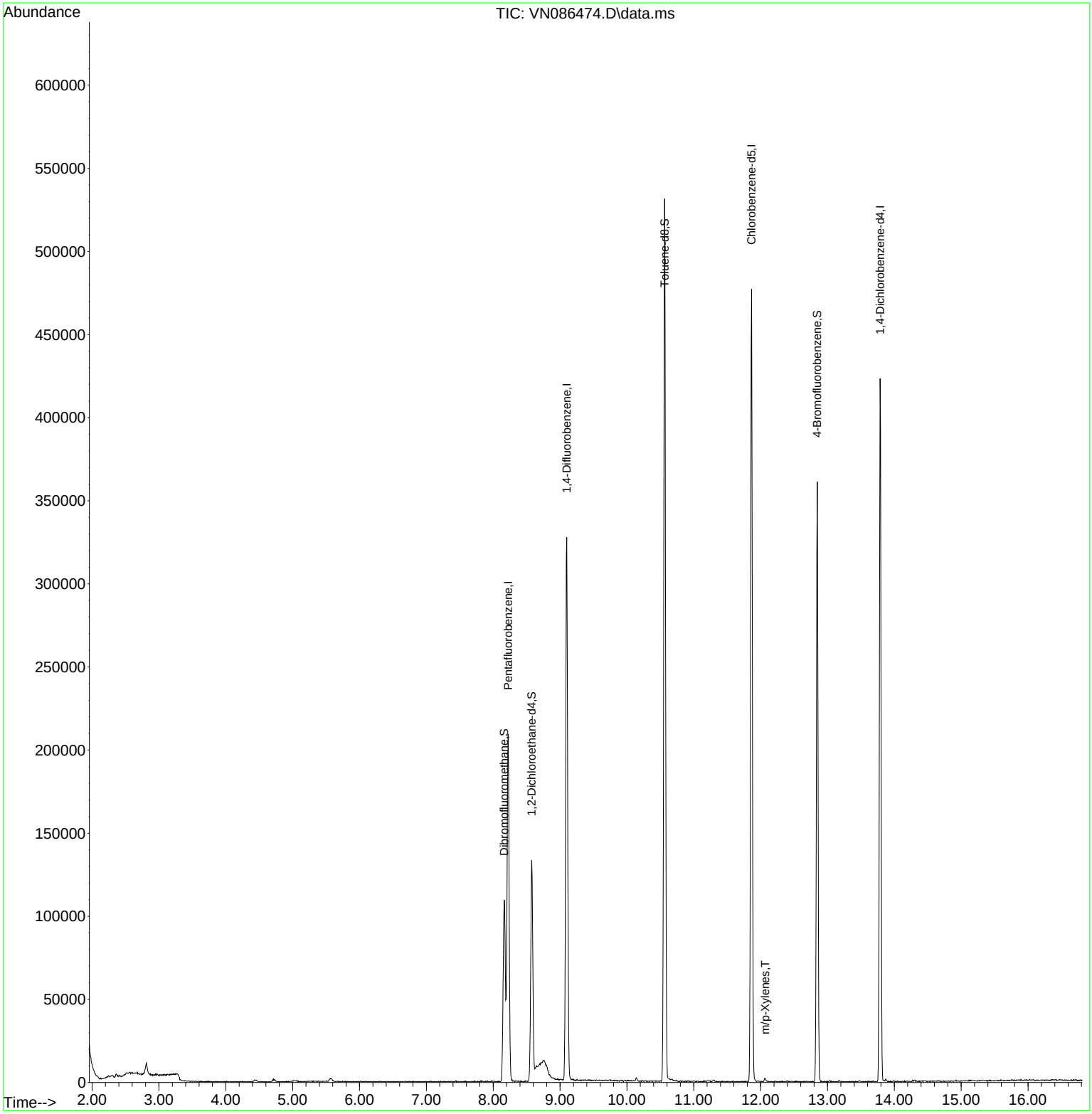
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	151630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	288383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107467	48.876	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.760%			
35) Dibromofluoromethane	8.165	113	80434	60.096	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 120.200%			
50) Toluene-d8	10.565	98	369568	51.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.847	95	127316	48.798	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.600%			
Target Compounds						Qvalue
68) m/p-Xylenes	12.070	106	874	0.211	ug/l	96

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

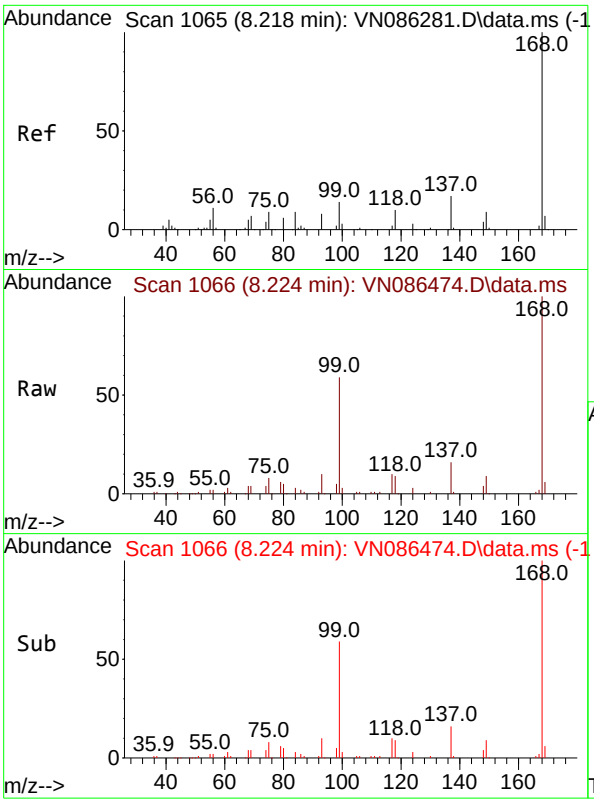
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Time: May 02 23:18:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



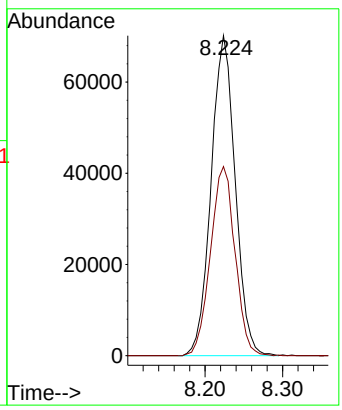
Instrument :
MSVOA_N
ClientSampleId :
MW-2

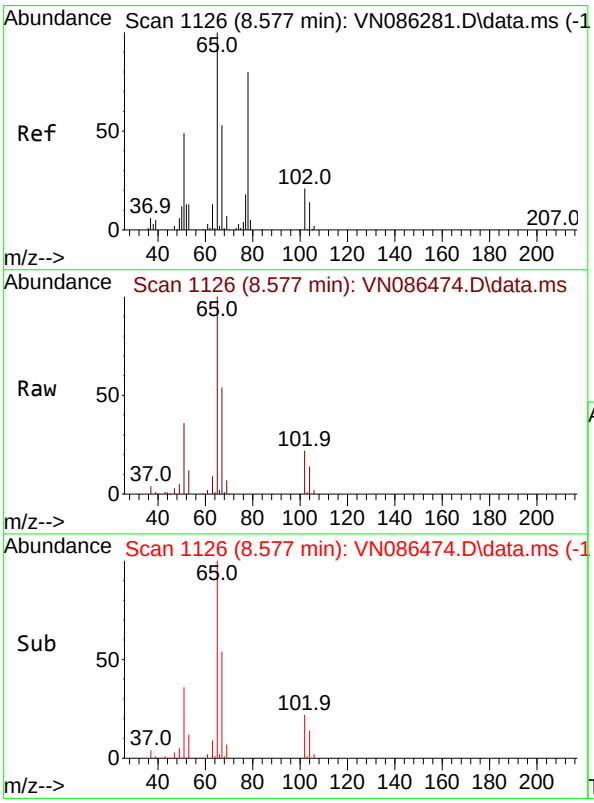


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Tgt Ion:168 Resp: 151630

Ion	Ratio	Lower	Upper
168	100		
99	59.1	52.5	78.7

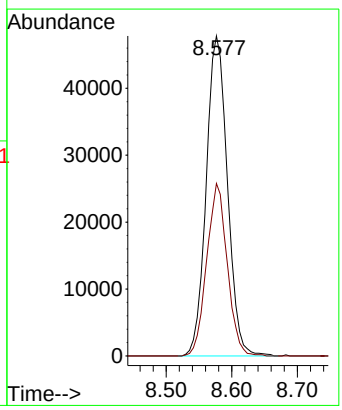


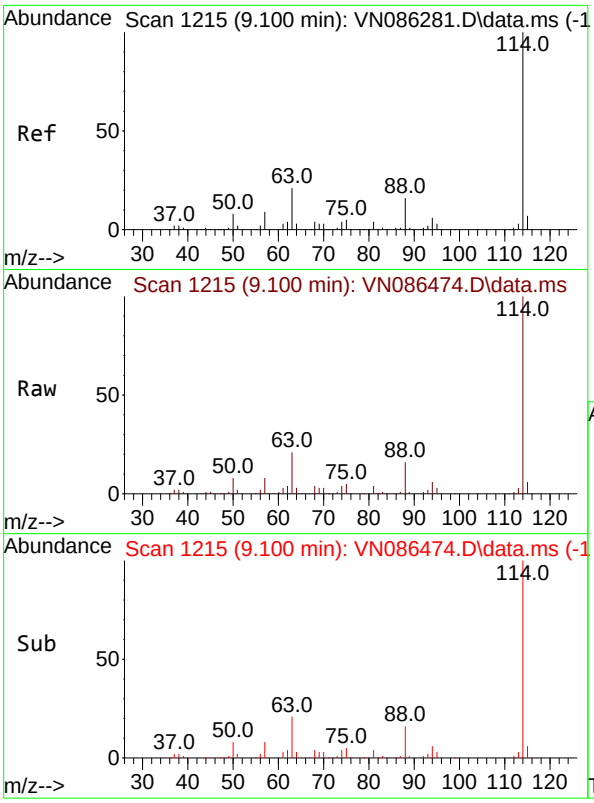


#33
1,2-Dichloroethane-d4
Concen: 48.876 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Tgt Ion: 65 Resp: 107467

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.0



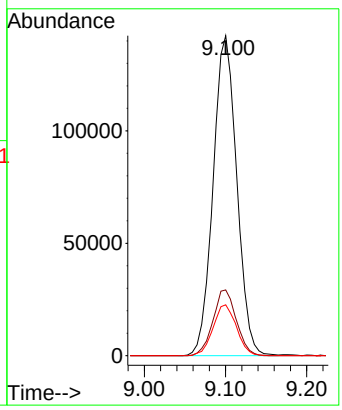


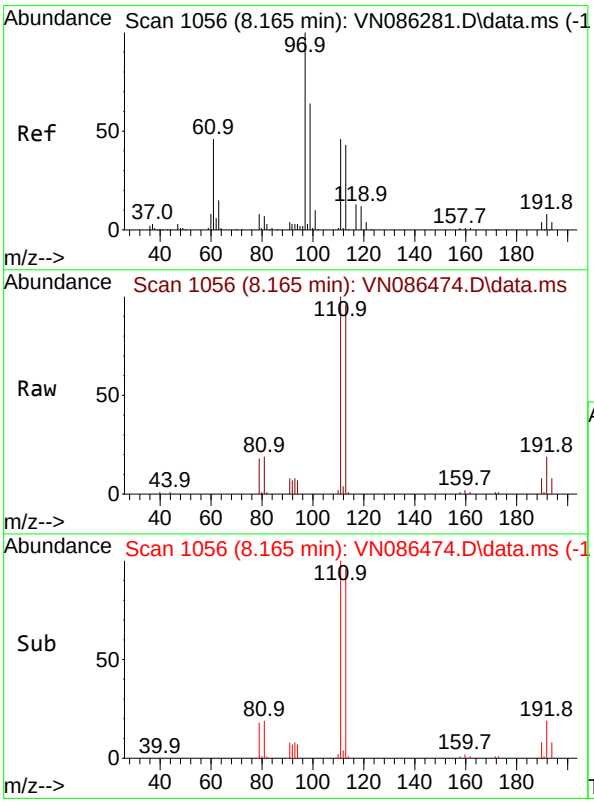
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion:114 Resp: 288383

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.6
88	15.9	0.0	31.8

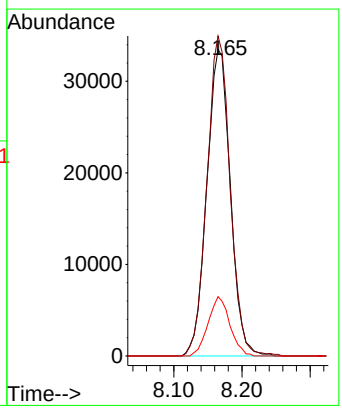


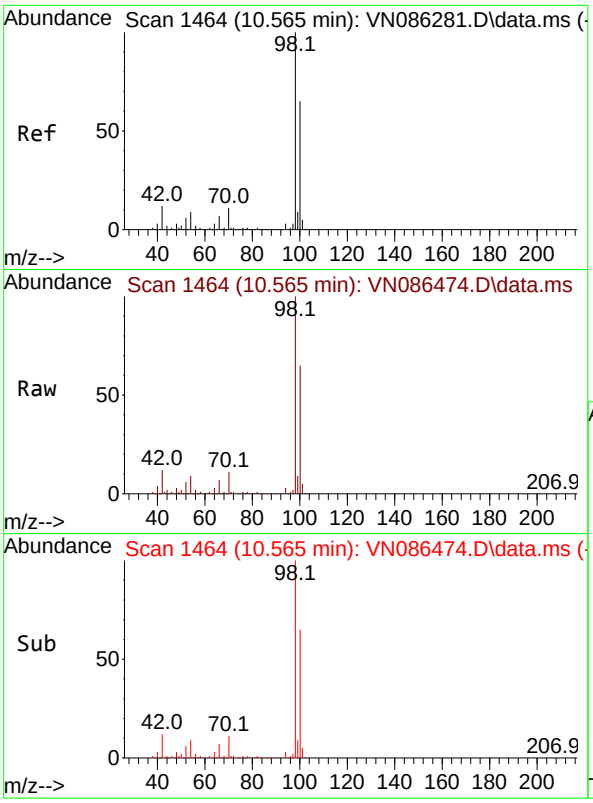


#35
Dibromofluoromethane
Concen: 60.096 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Tgt Ion:113 Resp: 80434

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.4	125.0
192	17.9	13.7	20.5



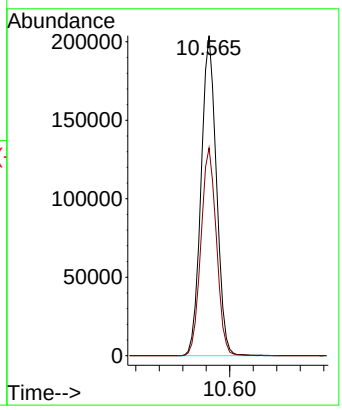


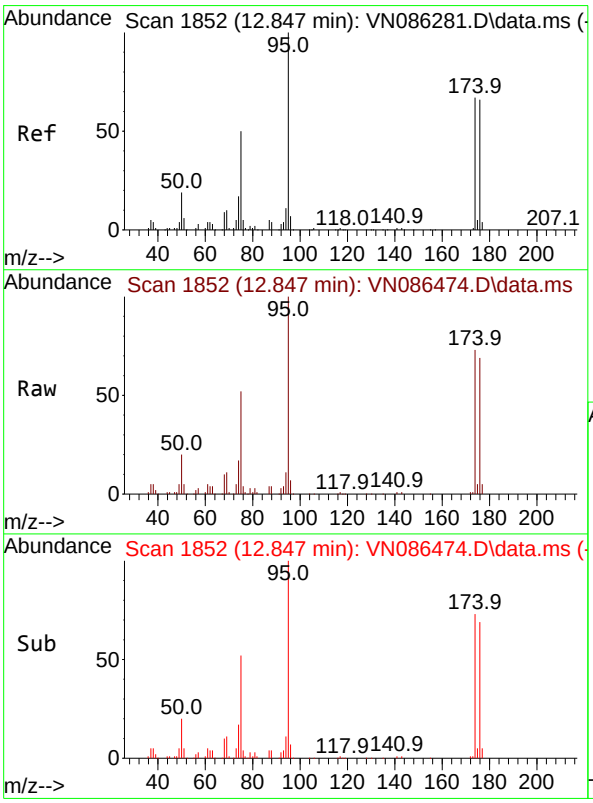
#50
Toluene-d8
Concen: 51.665 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion: 98 Resp: 369568

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.5	78.7

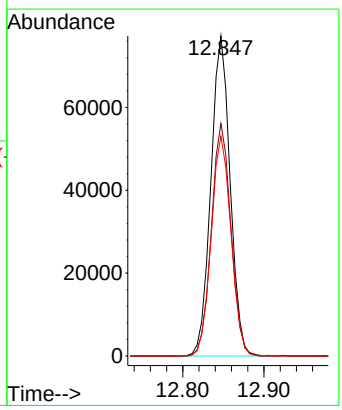


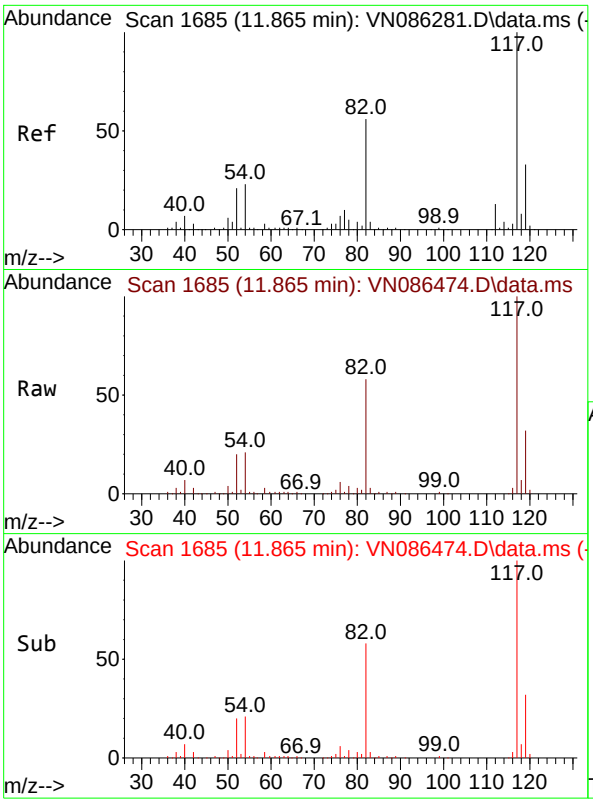


#62
4-Bromofluorobenzene
Concen: 48.798 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Tgt Ion: 95 Resp: 127316

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	133.4
176	70.3	0.0	129.2



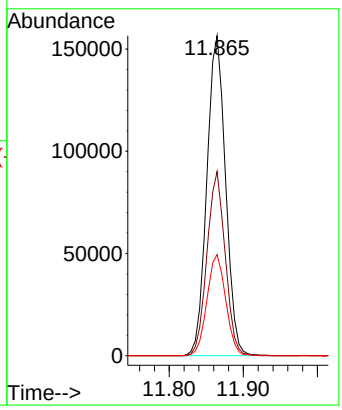


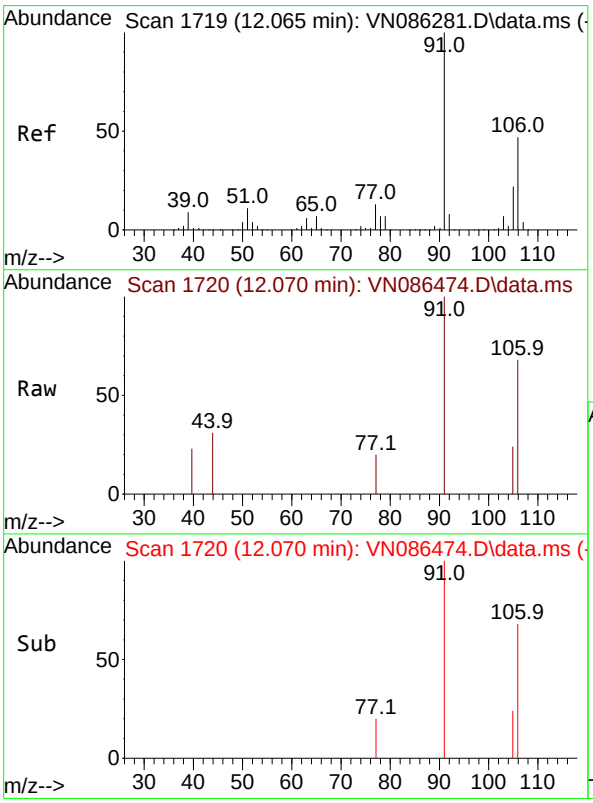
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion:117 Resp: 274301

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.7	67.1
119	31.6	26.4	39.6

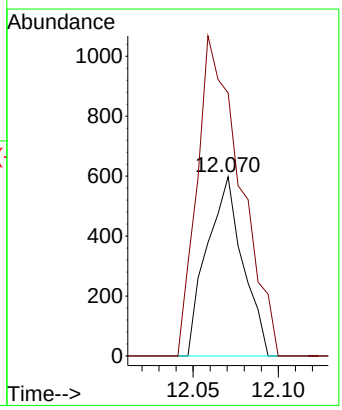


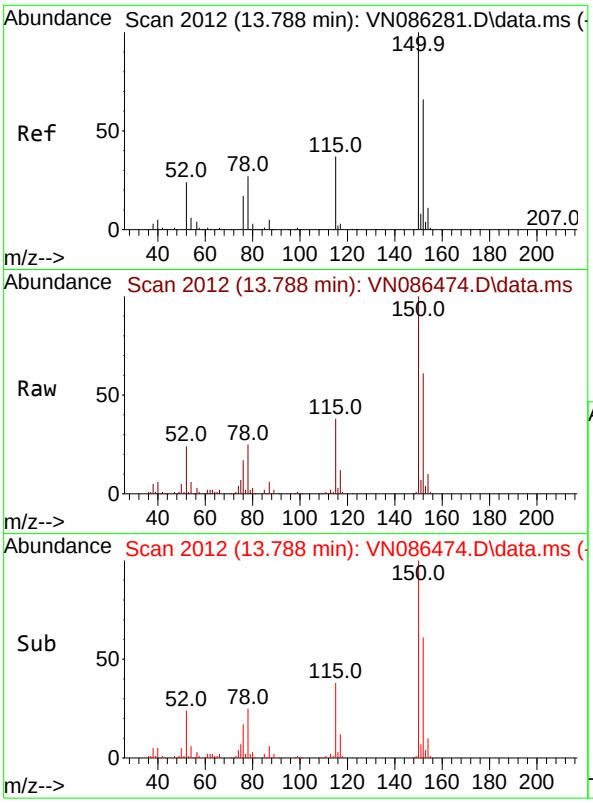


#68
m/p-Xylenes
Concen: 0.211 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Tgt Ion:106 Resp: 874

Ion	Ratio	Lower	Upper
106	100		
91	214.6	166.5	249.7



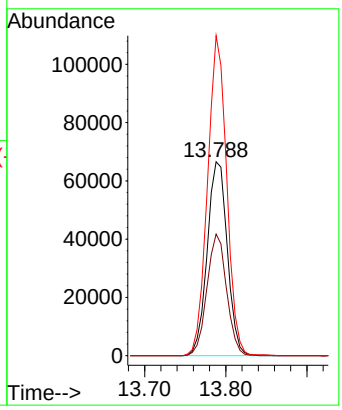


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086474.D
Acq: 02 May 2025 19:31

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion:152 Resp: 114473

Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.9	95.9
150	156.9	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2

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_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086474.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	140	146	155	rVB	7075	15386	1.59%	0.321%
2	8.165	1047	1056	1060	rBV	109263	250029	25.92%	5.224%
3	8.224	1060	1066	1078	rVB	208935	461012	47.78%	9.632%
4	8.577	1116	1126	1133	rBV	133331	294299	30.50%	6.149%
5	9.100	1206	1215	1226	rBV	326473	660182	68.43%	13.793%
6	10.565	1455	1464	1473	rBV	531017	964780	100.00%	20.157%
7	11.865	1676	1685	1698	rBV	476817	836361	86.69%	17.474%
8	12.847	1844	1852	1861	rVB	360952	599922	62.18%	12.534%
9	13.788	2003	2012	2020	rBV	423145	704421	73.01%	14.717%

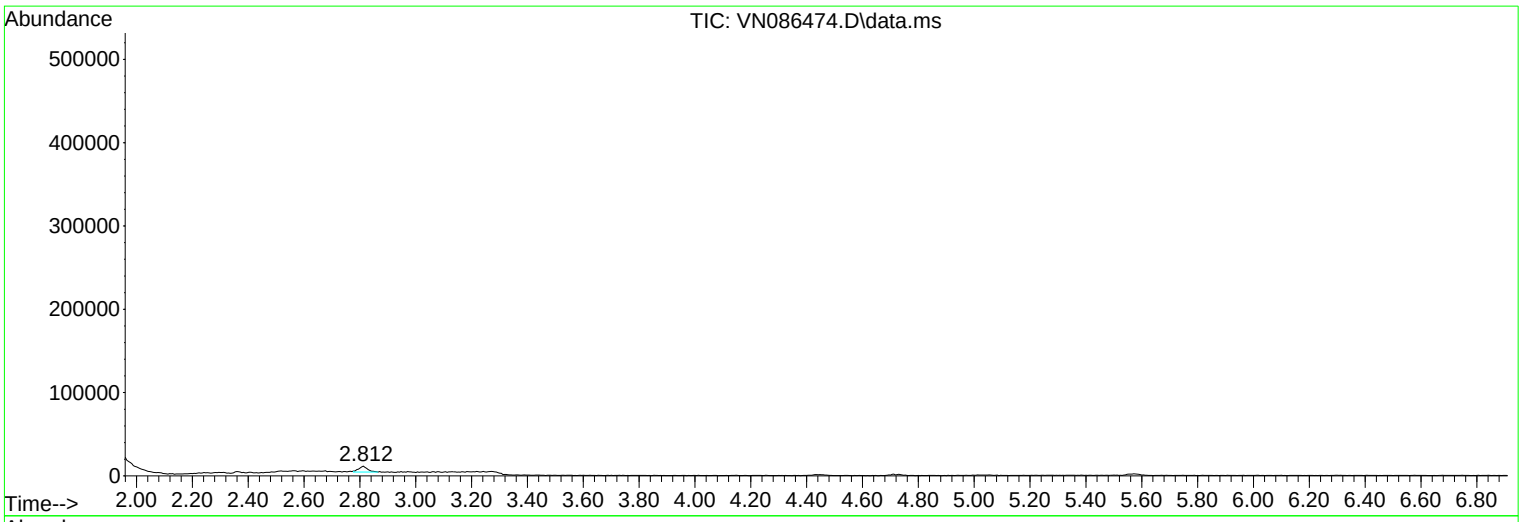
Sum of corrected areas: 4786392

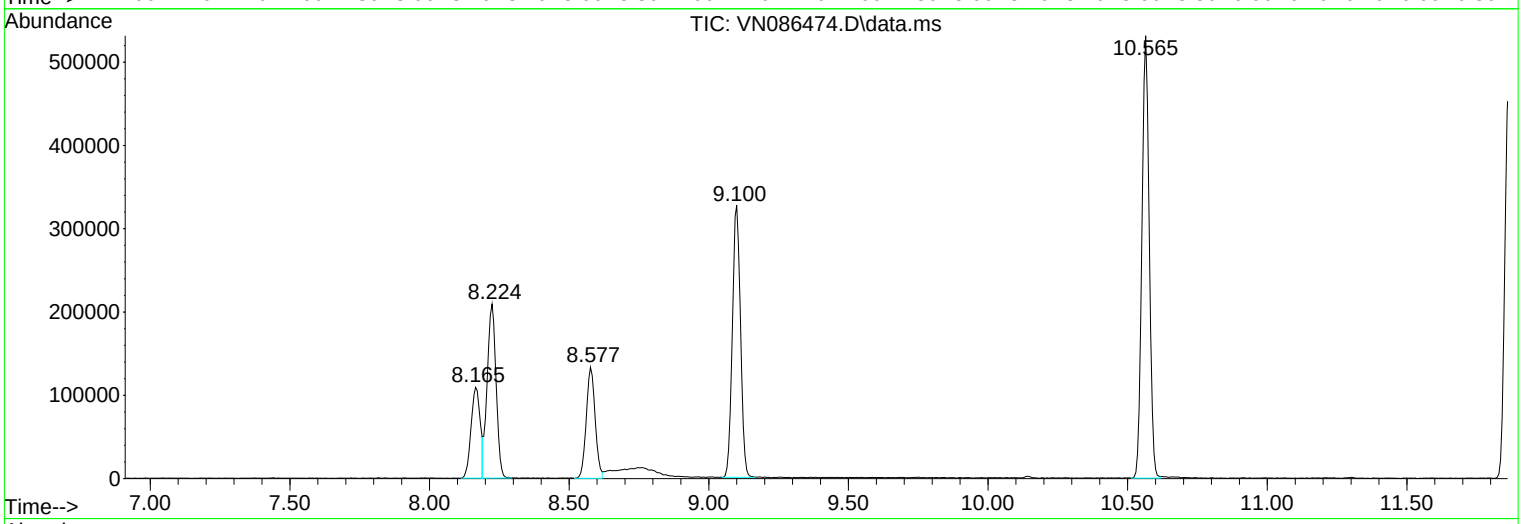
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

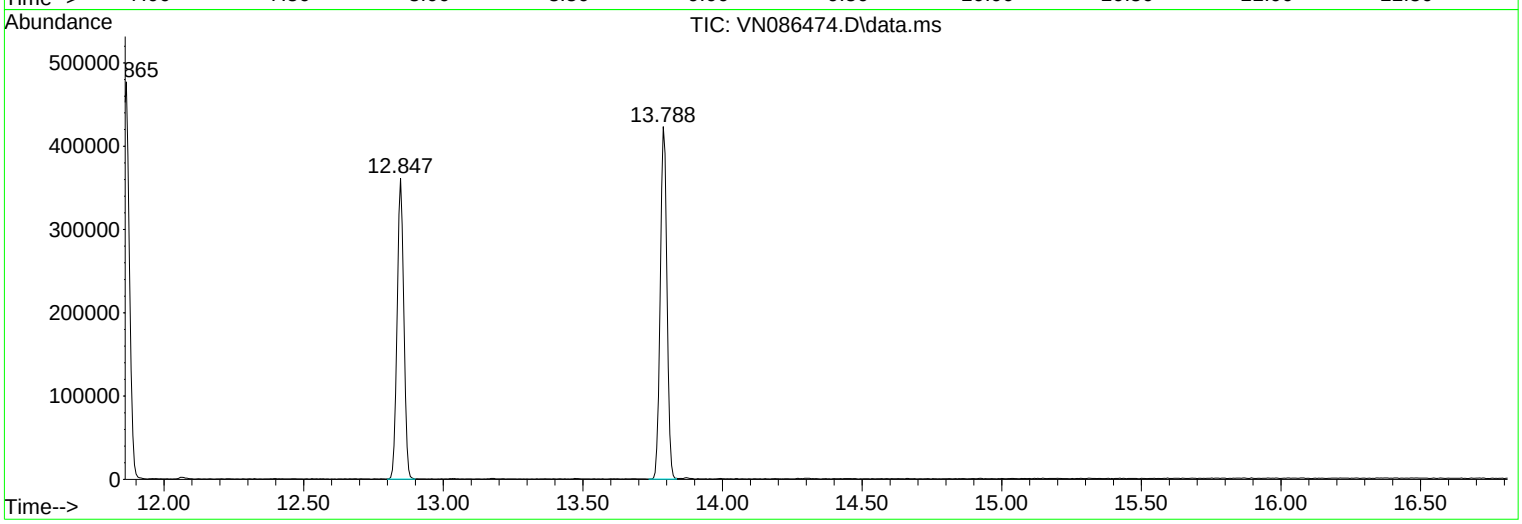
Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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_N\Data\VN050225\
Data File : VN086474.D
Acq On : 02 May 2025 19:31
Operator : JC\MD
Sample : Q1940-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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_N\Data\VN050225\
Data File : VN086475.D
Acq On : 02 May 2025 19:56
Operator : JC\MD
Sample : Q1940-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Time: May 02 23:18:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	141230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	101597	49.609	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.220%			
35) Dibromofluoromethane	8.165	113	75911	60.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 120.020%			
50) Toluene-d8	10.565	98	347241	51.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.720%			
62) 4-Bromofluorobenzene	12.847	95	123073	49.907	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.820%			

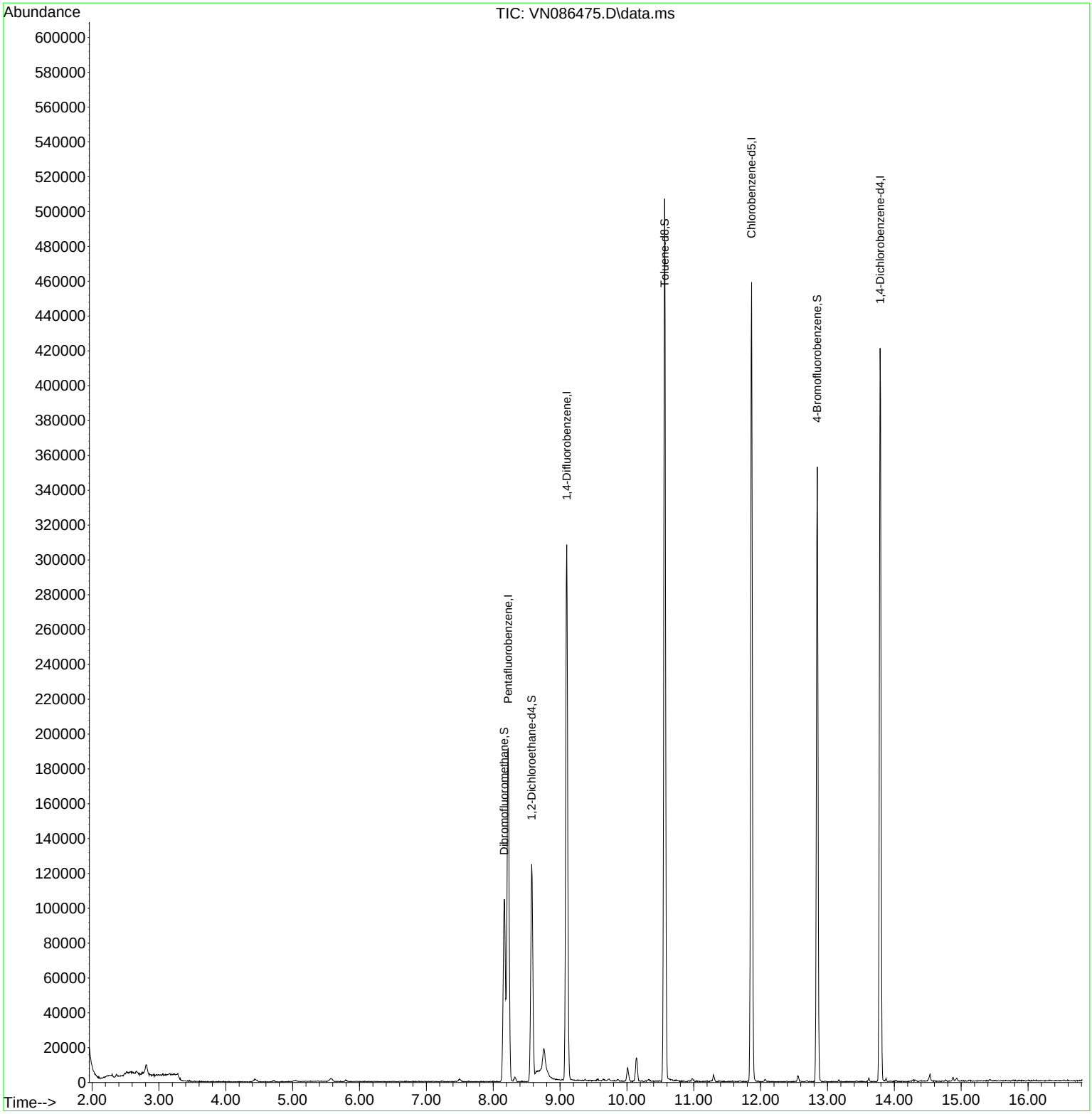
Target Compounds Qvalue

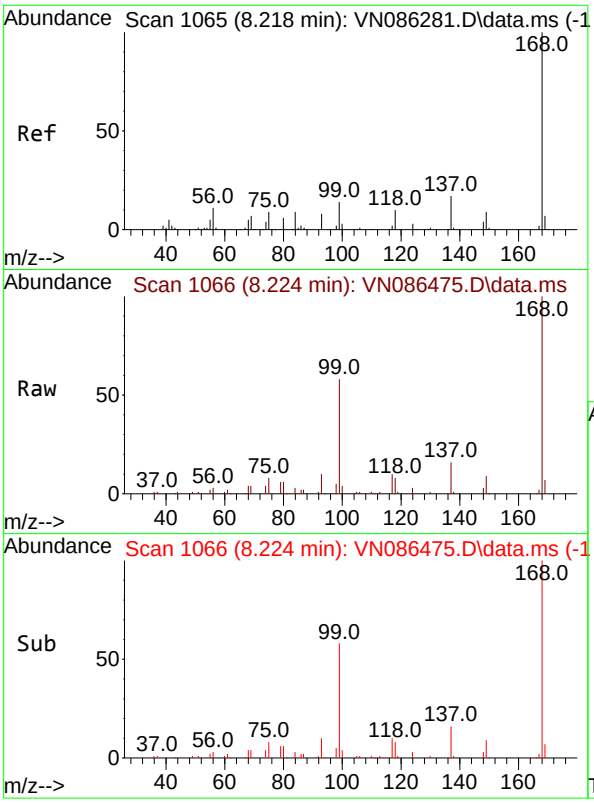
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086475.D
Acq On : 02 May 2025 19:56
Operator : JC\MD
Sample : Q1940-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Time: May 02 23:18:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



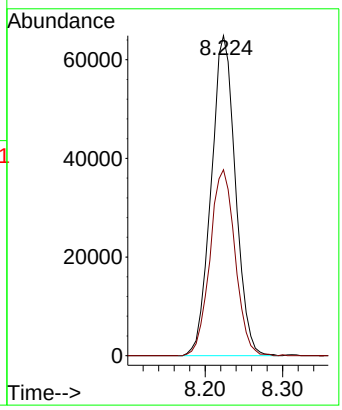


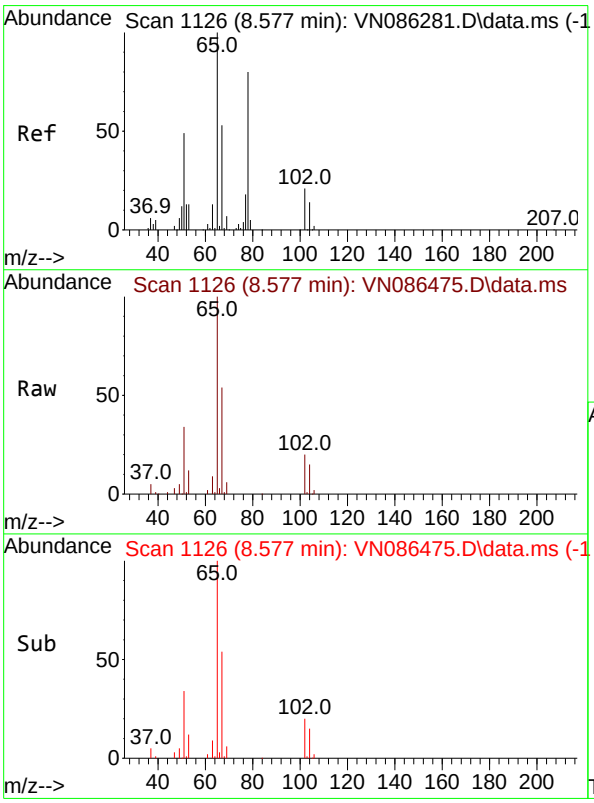
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:168 Resp: 141230

Ion	Ratio	Lower	Upper
168	100		
99	58.1	52.5	78.7

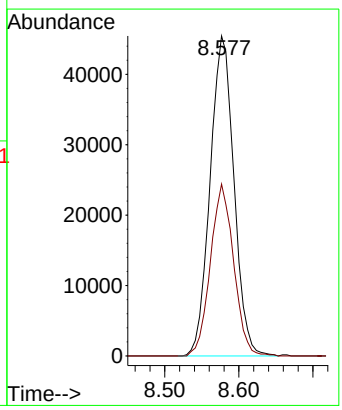


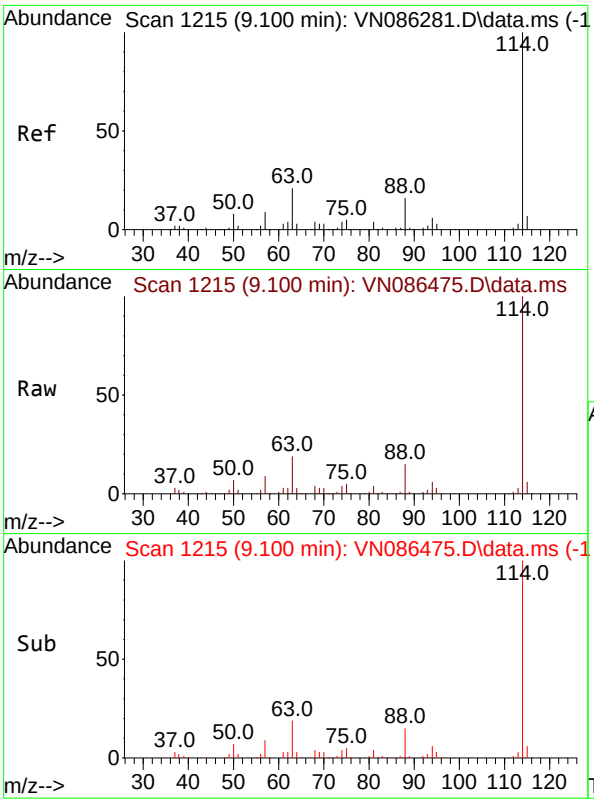


#33
1,2-Dichloroethane-d4
Concen: 49.609 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Tgt Ion: 65 Resp: 101597

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.0



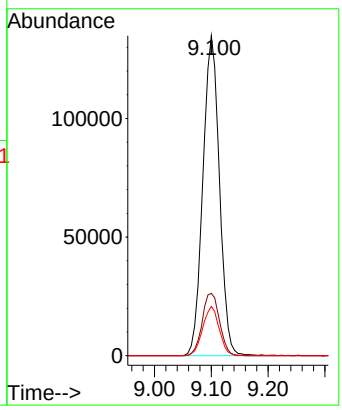


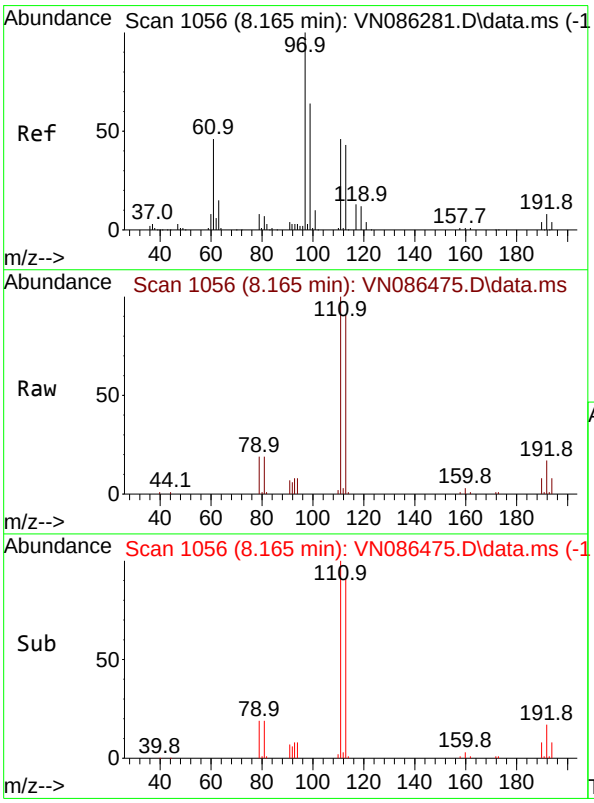
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:114 Resp: 272575

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	42.6
88	15.4	0.0	31.8

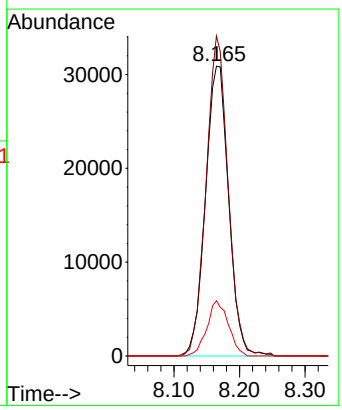


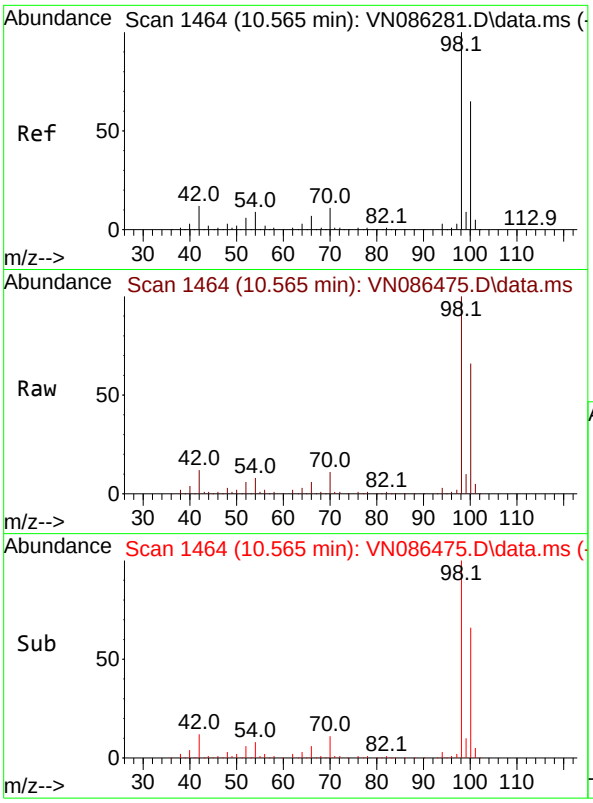


#35
Dibromofluoromethane
Concen: 60.006 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Tgt Ion:113 Resp: 75911

Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.4	125.0
192	17.6	13.7	20.5



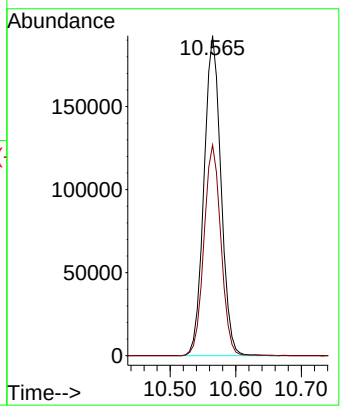


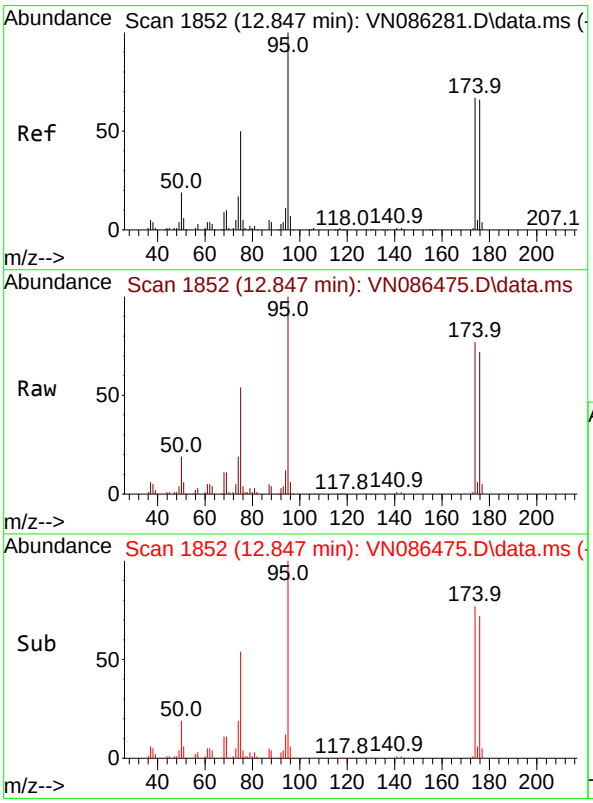
#50
Toluene-d8
Concen: 51.359 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 98 Resp: 347241

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7

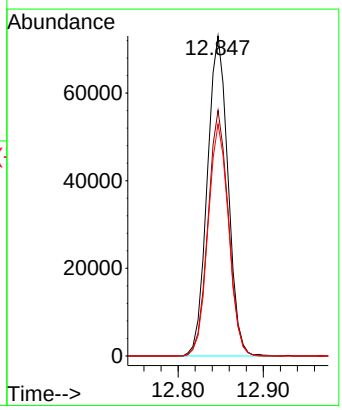


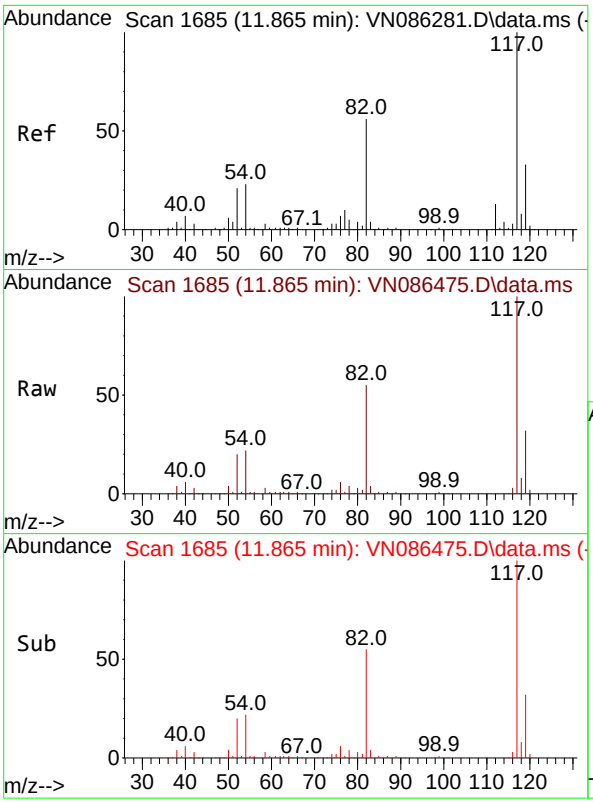


#62
4-Bromofluorobenzene
Concen: 49.907 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Tgt Ion: 95 Resp: 123073

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	133.4
176	71.9	0.0	129.2



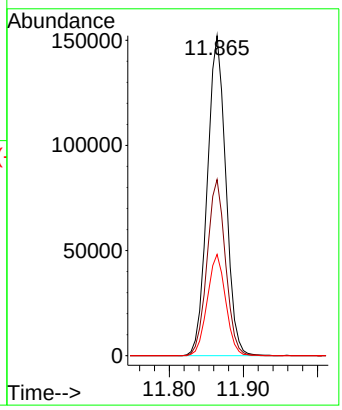


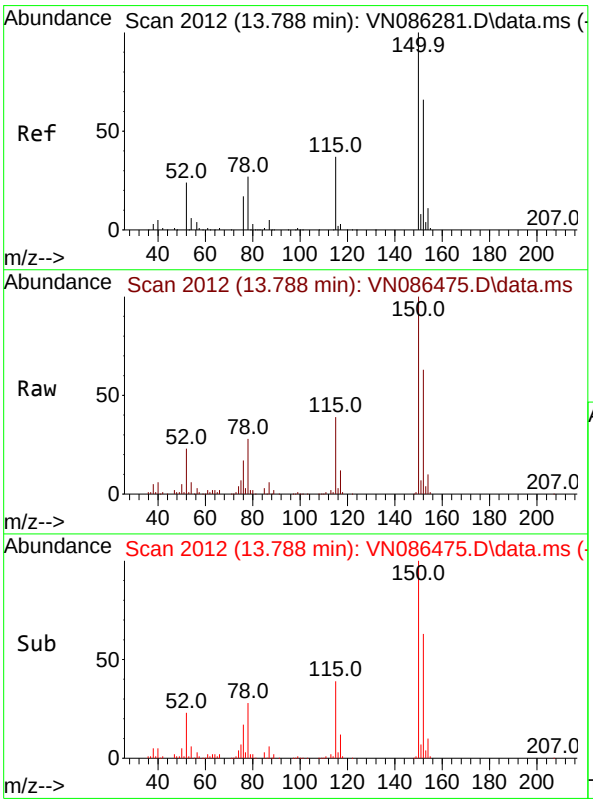
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:117 Resp: 263663

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.7	67.1
119	31.6	26.4	39.6

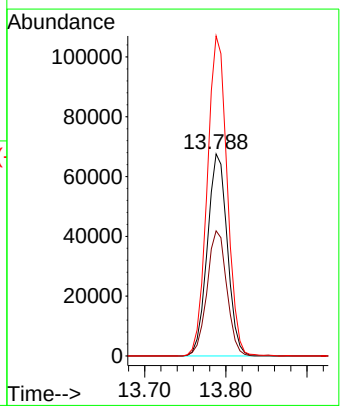




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086475.D
Acq: 02 May 2025 19:56

Tgt Ion:152 Resp: 115290

Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.9	95.9
150	157.8	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086475.D
Acq On : 02 May 2025 19:56
Operator : JC\MD
Sample : Q1940-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

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_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086475.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	141	146	153	rVB2	6270	14881	1.63%	0.317%
2	8.165	1043	1056	1060	rBV	104805	237285	26.05%	5.058%
3	8.224	1060	1066	1078	rVV	191584	431177	47.34%	9.191%
4	8.577	1117	1126	1134	rBV	124720	276738	30.38%	5.899%
5	8.759	1150	1157	1176	rVB3	16708	60379	6.63%	1.287%
6	9.100	1206	1215	1225	rBV	307364	622397	68.33%	13.266%
7	10.012	1365	1370	1378	rVB4	7878	15166	1.67%	0.323%
8	10.141	1387	1392	1400	rVB2	13345	26889	2.95%	0.573%
9	10.565	1456	1464	1473	rBV	506867	910866	100.00%	19.415%
10	11.865	1677	1685	1696	rBV	458879	798055	87.61%	17.011%
11	12.847	1845	1852	1863	rVB	353021	589086	64.67%	12.556%
12	13.788	2003	2012	2021	rBV	421103	708600	77.79%	15.104%

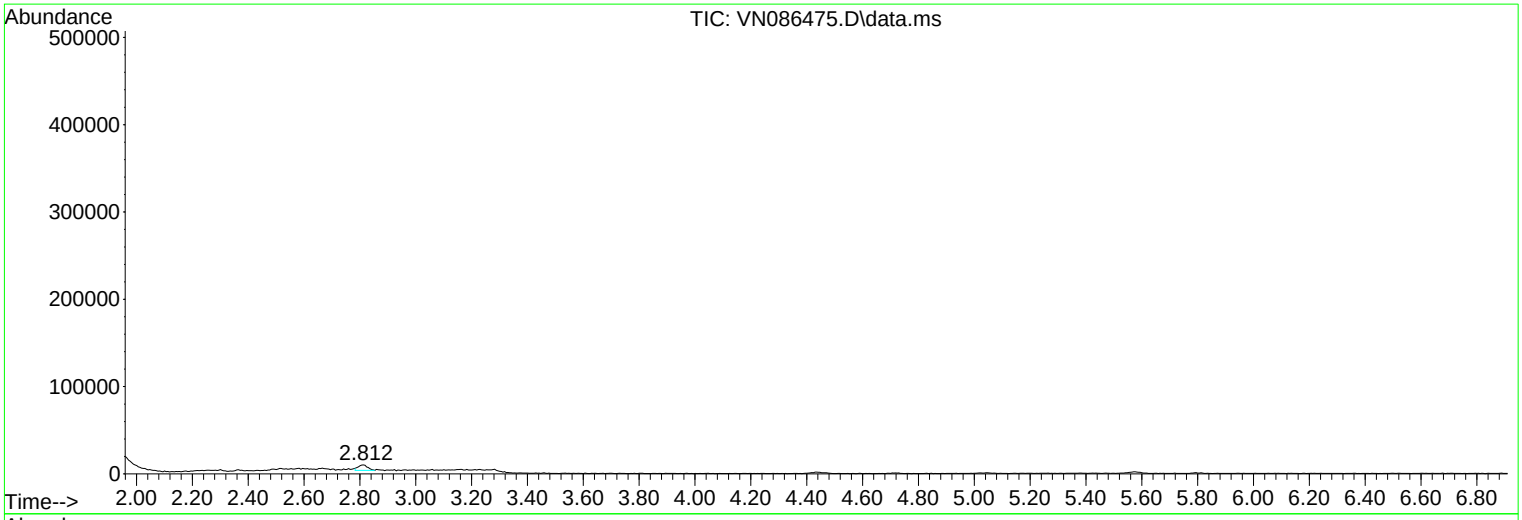
Sum of corrected areas: 4691519

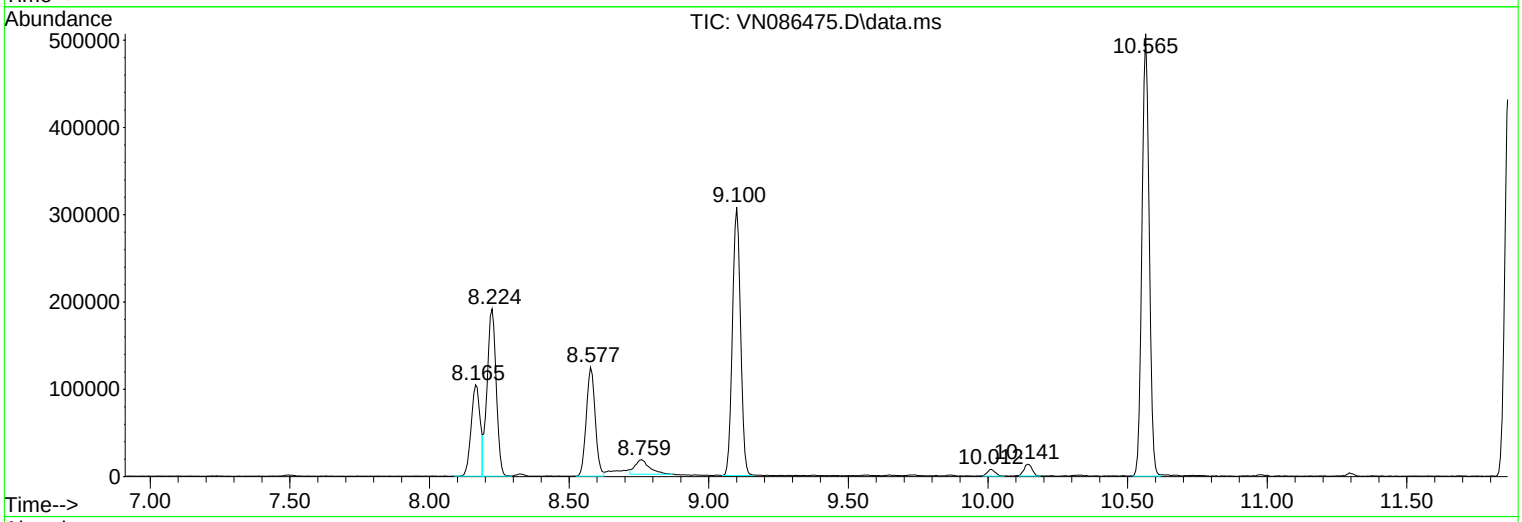
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086475.D
Acq On : 02 May 2025 19:56
Operator : JC\MD
Sample : Q1940-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

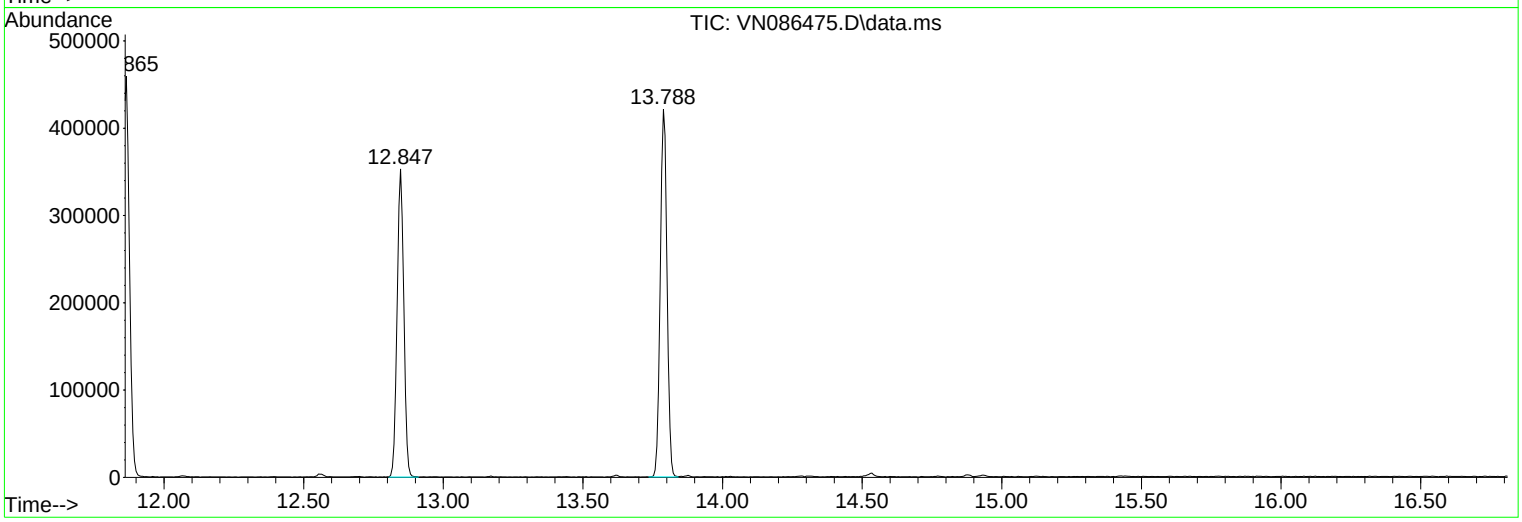
Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086475.D
Acq On : 02 May 2025 19:56
Operator : JC\MD
Sample : Q1940-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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_N\Data\VN050225\
Data File : VN086475.D
Acq On : 02 May 2025 19:56
Operator : JC\MD
Sample : Q1940-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Quant Time: May 02 23:14:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	154685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	112374	50.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.200%			
35) Dibromofluoromethane	8.165	113	84217	60.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.440%			
50) Toluene-d8	10.565	98	380294	51.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.847	95	132869	49.141	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.280%			

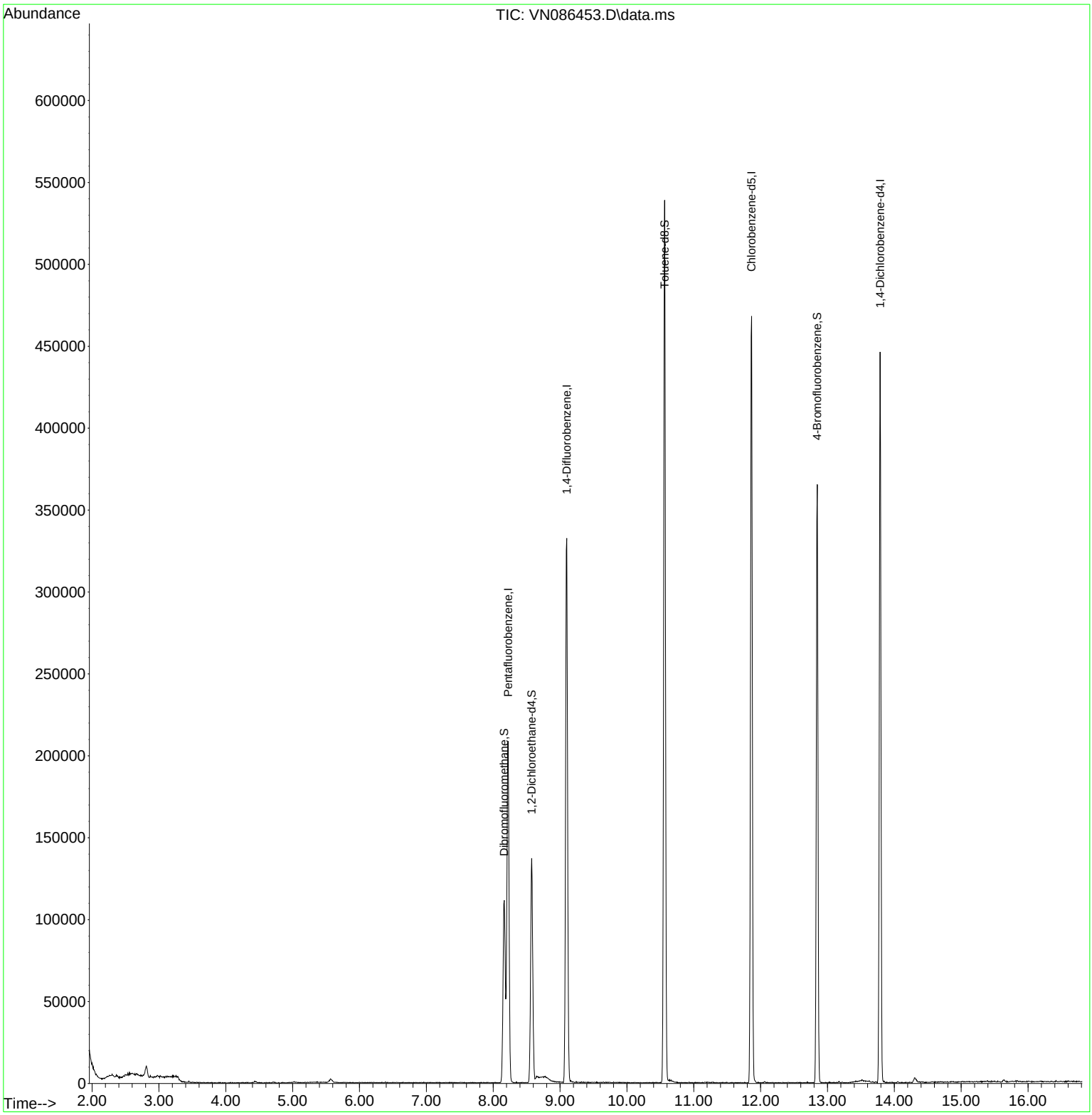
Target Compounds Qvalue

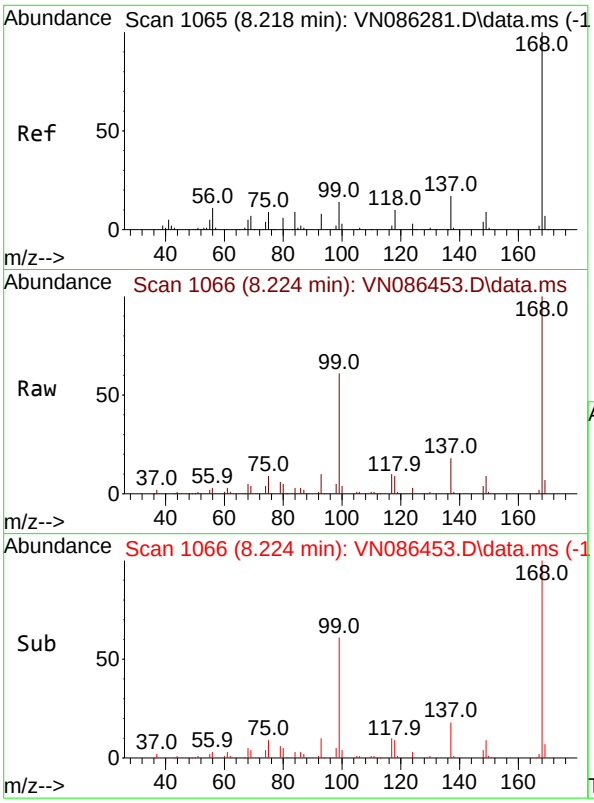
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Quant Time: May 02 23:14:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



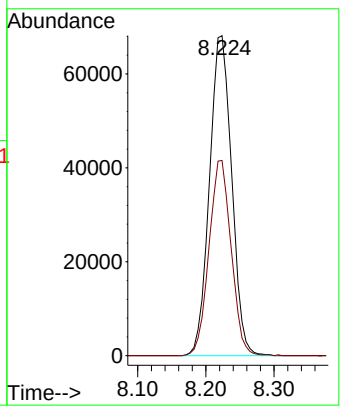


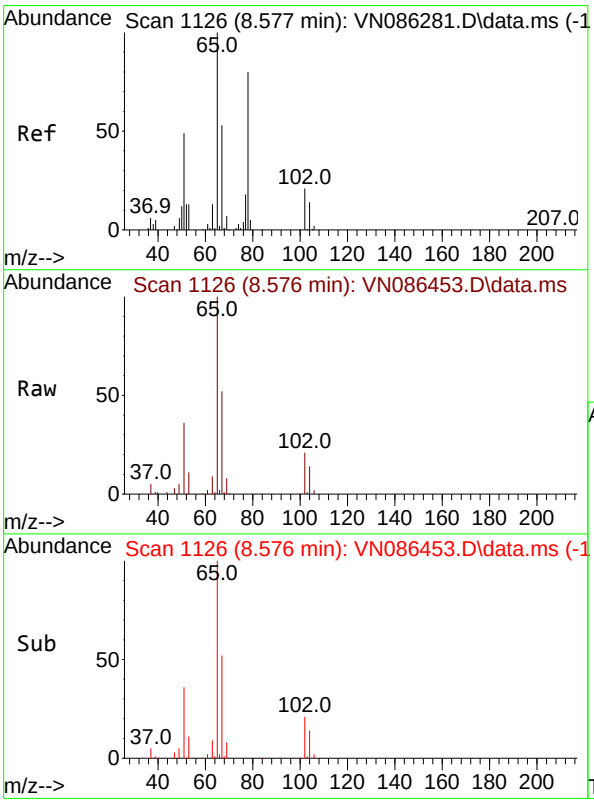
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Tgt Ion:168 Resp: 154685

Ion	Ratio	Lower	Upper
168	100		
99	61.0	52.5	78.7

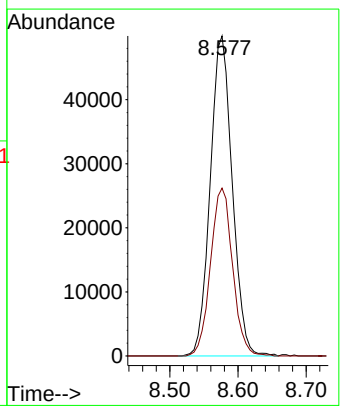


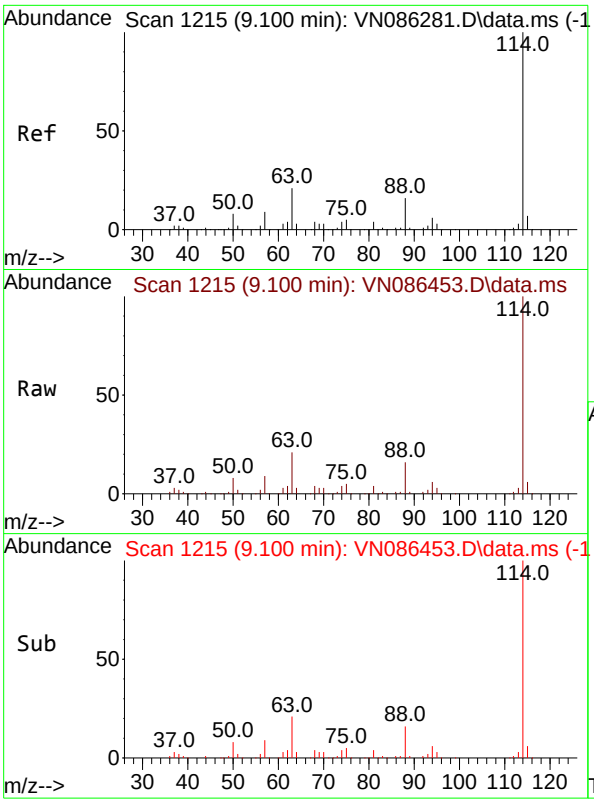


#33
1,2-Dichloroethane-d4
Concen: 50.098 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Tgt Ion: 65 Resp: 112374

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.0



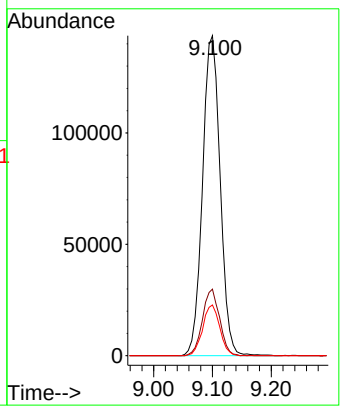


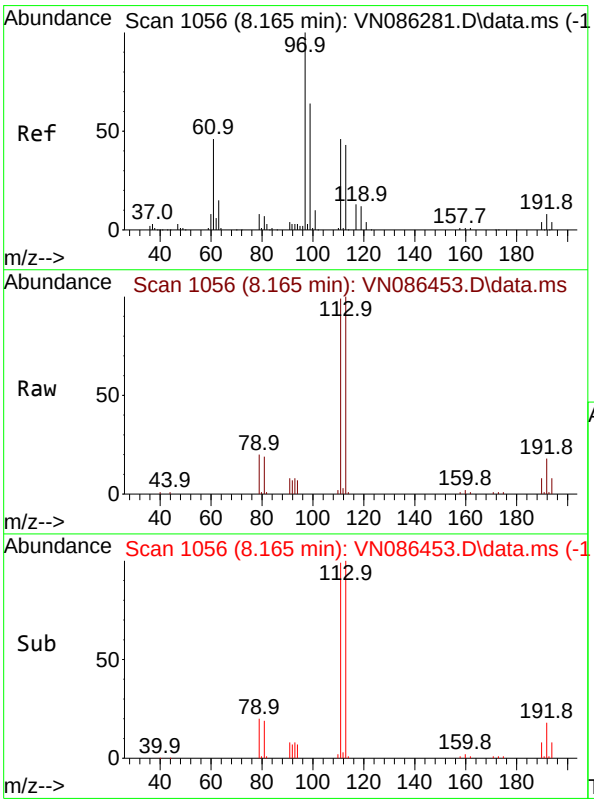
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Tgt Ion:114 Resp: 298860

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.6
88	15.9	0.0	31.8

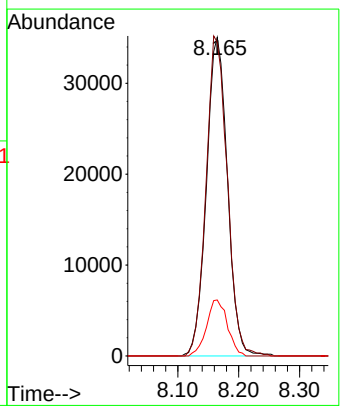


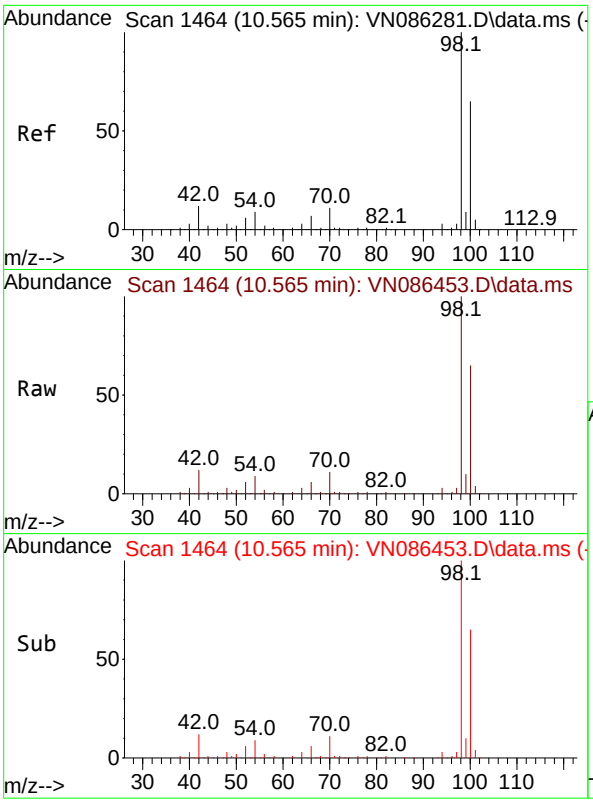


#35
Dibromofluoromethane
Concen: 60.717 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Tgt Ion:113 Resp: 84217

Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.4	125.0
192	17.4	13.7	20.5



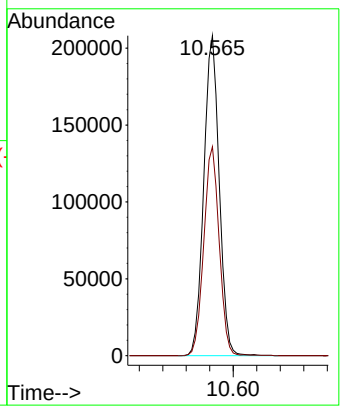


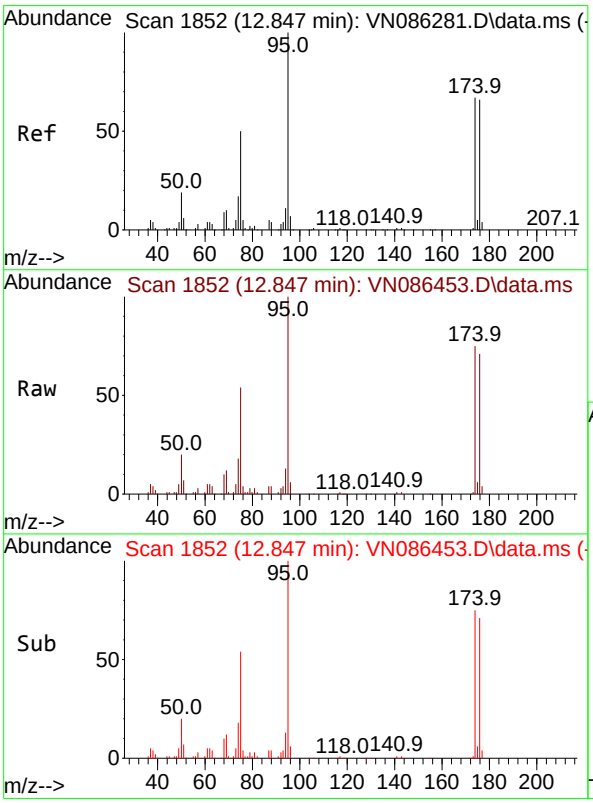
#50
Toluene-d8
Concen: 51.301 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Tgt Ion: 98 Resp: 380294

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.5	78.7

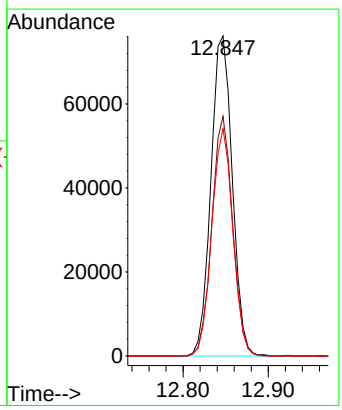


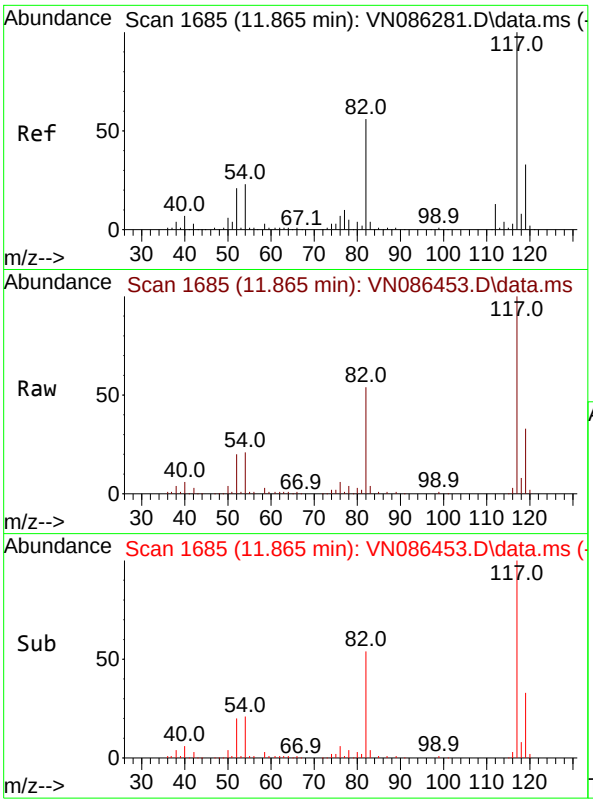


#62
4-Bromofluorobenzene
Concen: 49.141 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Tgt Ion: 95 Resp: 132869

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	133.4
176	69.8	0.0	129.2



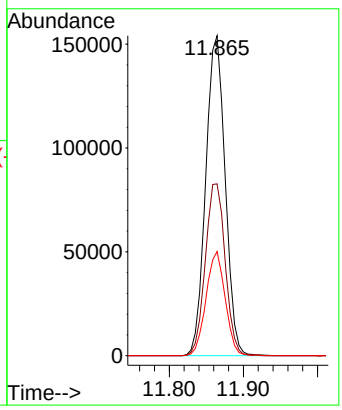


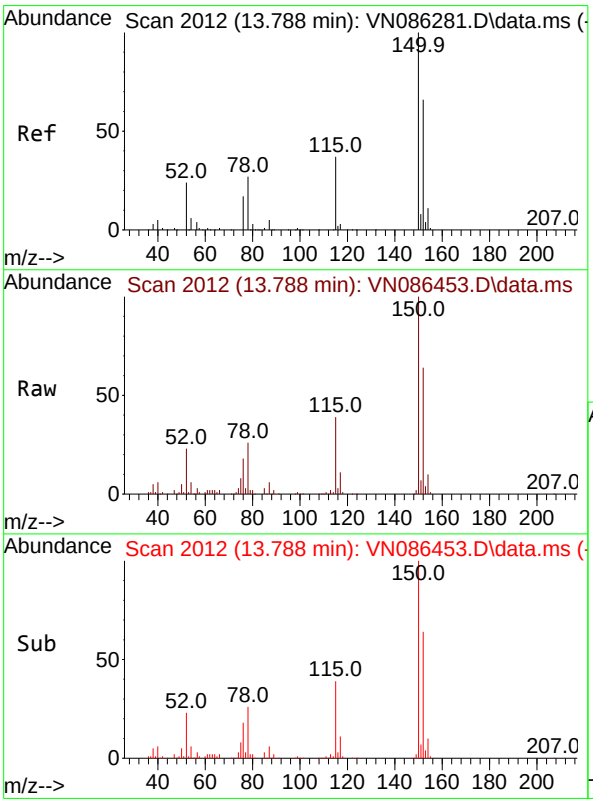
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Tgt Ion:117 Resp: 280972

Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.7	67.1
119	32.5	26.4	39.6

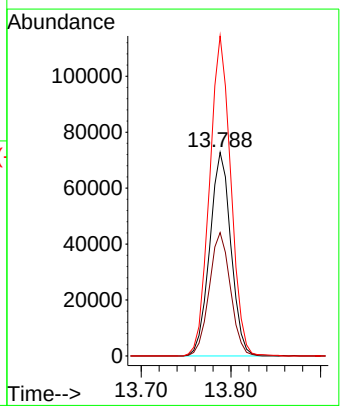




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086453.D
Acq: 02 May 2025 10:22

Tgt Ion:152 Resp: 119397

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.9	95.9
150	157.4	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

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_N\methods\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086453.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	141	146	153	rVB	7027	15523	1.57%	0.314%
2	8.165	1046	1056	1060	rBV	111293	261203	26.40%	5.288%
3	8.224	1060	1066	1079	rVB	208393	469511	47.45%	9.506%
4	8.577	1116	1126	1134	rBV	137044	304409	30.77%	6.163%
5	9.100	1206	1215	1224	rBV	332381	682454	68.97%	13.817%
6	10.565	1454	1464	1474	rBV	538836	989436	100.00%	20.032%
7	11.865	1677	1685	1698	rBV	467980	858427	86.76%	17.380%
8	12.847	1844	1852	1862	rVB	365323	621166	62.78%	12.576%
9	13.788	2005	2012	2021	rBV	446286	737091	74.50%	14.923%

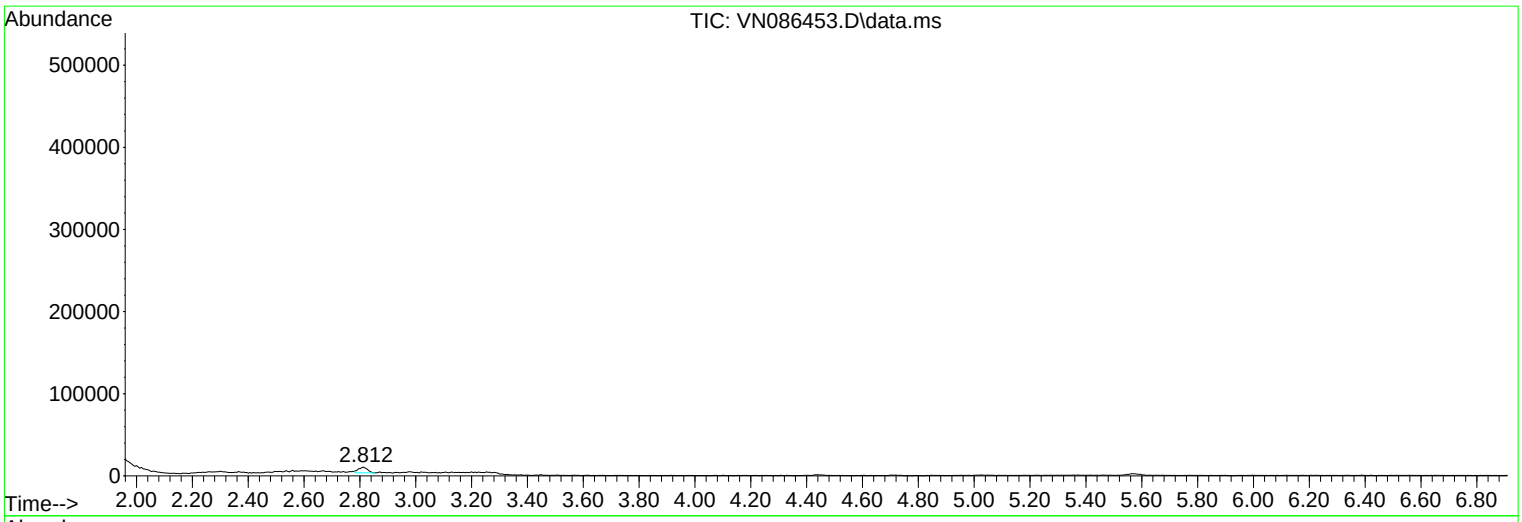
Sum of corrected areas: 4939220

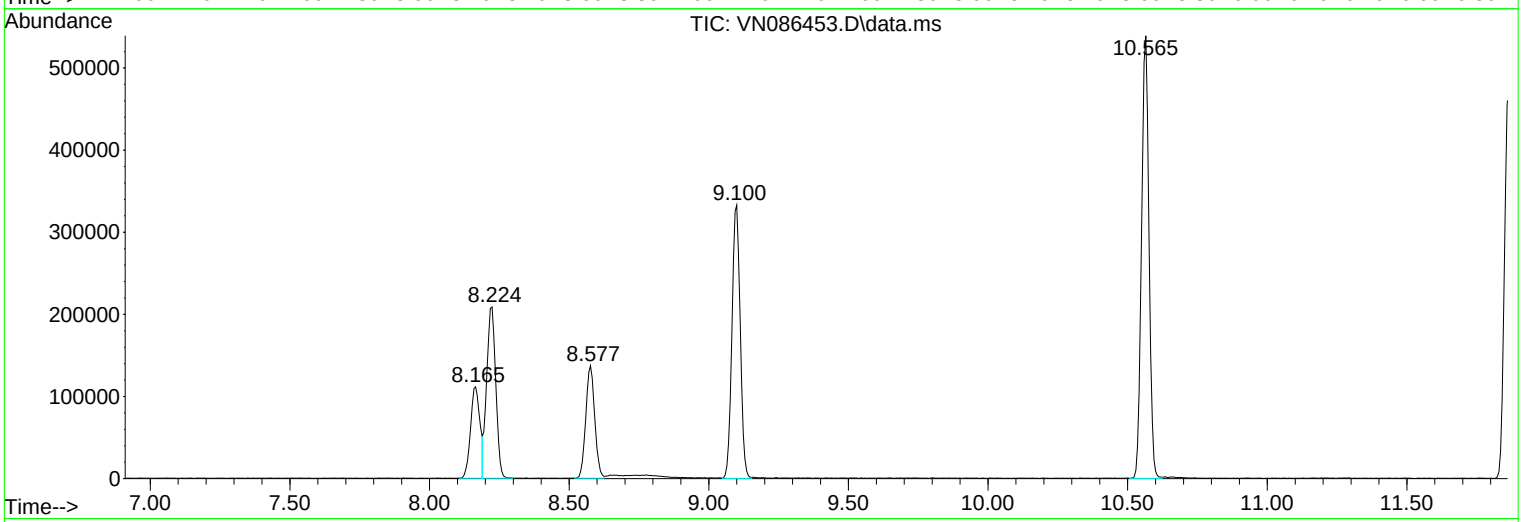
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

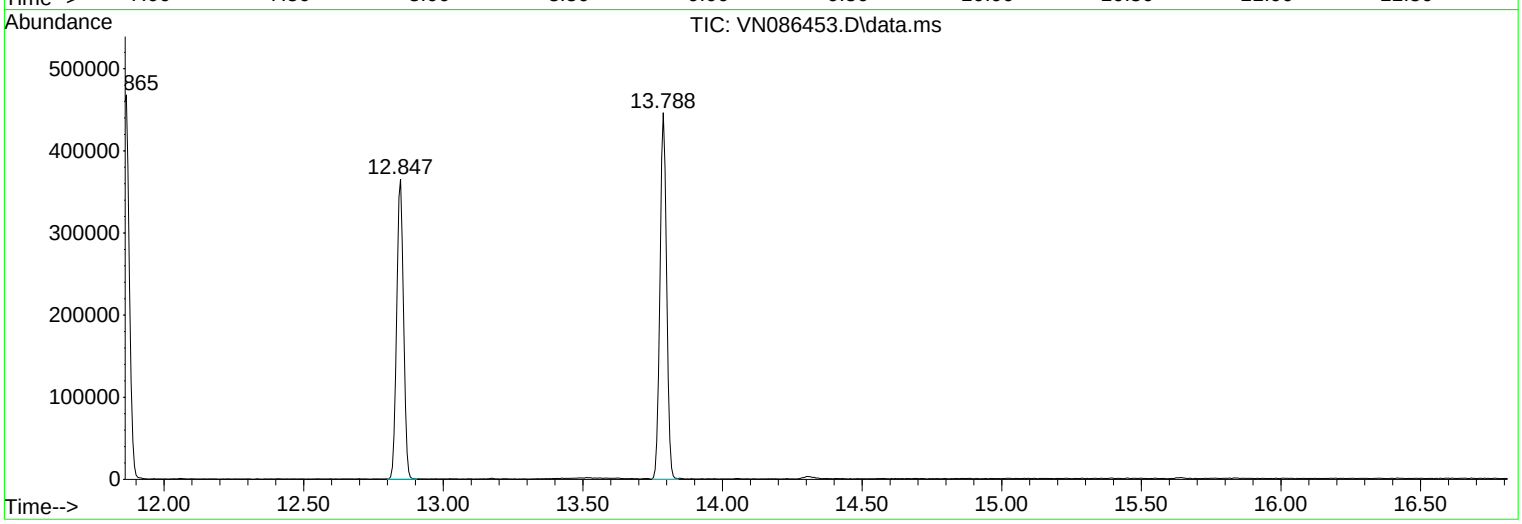
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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_N\Data\VN050225\
Data File : VN086453.D
Acq On : 02 May 2025 10:22
Operator : JC\MD
Sample : VN0502WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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_N\Data\VN050225\
Data File : VN086454.D
Acq On : 02 May 2025 11:26
Operator : JC\MD
Sample : VN0502WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 02 23:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.223	168	205101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	372276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	334682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	153988	51.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.560%			
35) Dibromofluoromethane	8.165	113	99383	57.521	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.040%			
50) Toluene-d8	10.565	98	484267	52.443	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.880%			
62) 4-Bromofluorobenzene	12.847	95	173581	51.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	47083	19.365	ug/l	97
3) Chloromethane	2.359	50	60996	17.262	ug/l	99
4) Vinyl Chloride	2.518	62	62080	18.411	ug/l	99
5) Bromomethane	2.959	94	34255	22.585	ug/l	97
6) Chloroethane	3.124	64	40498	17.945	ug/l	100
7) Trichlorofluoromethane	3.500	101	71398	19.115	ug/l	95
8) Diethyl Ether	3.959	74	28673	17.584	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	45539	20.154	ug/l	98
10) Methyl Iodide	4.588	142	54530	21.951	ug/l	98
11) Tert butyl alcohol	5.506	59	44886	82.715	ug/l	97
12) 1,1-Dichloroethene	4.341	96	44754	18.539	ug/l	96
13) Acrolein	4.183	56	19530	66.082	ug/l	96
14) Allyl chloride	5.024	41	74566	17.376	ug/l	99
15) Acrylonitrile	5.712	53	115876	86.380	ug/l	100
16) Acetone	4.424	43	93733	87.444	ug/l	99
17) Carbon Disulfide	4.712	76	123136	17.036	ug/l	99
18) Methyl Acetate	5.024	43	53174	14.894	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	161132	18.158	ug/l	97
20) Methylene Chloride	5.277	84	51140	18.600	ug/l	96
21) trans-1,2-Dichloroethene	5.788	96	47446	18.799	ug/l	92
22) Diisopropyl ether	6.665	45	161515	17.302	ug/l	95
23) Vinyl Acetate	6.600	43	590517	90.489	ug/l	97
24) 1,1-Dichloroethane	6.565	63	90149	18.302	ug/l	97
25) 2-Butanone	7.482	43	155065	83.762	ug/l	98
26) 2,2-Dichloropropane	7.488	77	86618	19.640	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	60271	19.241	ug/l	96
28) Bromochloromethane	7.812	49	43134	20.653	ug/l	94
29) Tetrahydrofuran	7.835	42	100403	81.105	ug/l	95
30) Chloroform	7.965	83	93940	19.415	ug/l	98
31) Cyclohexane	8.253	56	86731	17.994	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	82484	19.927	ug/l	96
36) 1,1-Dichloropropene	8.371	75	67556	19.576	ug/l	99
37) Ethyl Acetate	7.553	43	62473	17.195	ug/l	99
38) Carbon Tetrachloride	8.359	117	67275	20.471	ug/l	98
39) Methylcyclohexane	9.594	83	80452	19.614	ug/l	96
40) Benzene	8.606	78	216239	19.557	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086454.D
Acq On : 02 May 2025 11:26
Operator : JC\MD
Sample : VN0502WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 02 23:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	36564	17.364	ug/l		97
42) 1,2-Dichloroethane	8.671	62	70604	20.024	ug/l		99
43) Isopropyl Acetate	8.682	43	124400	17.614	ug/l		100
44) Trichloroethene	9.347	130	53436	20.390	ug/l		96
45) 1,2-Dichloropropane	9.618	63	52555	19.418	ug/l		97
46) Dibromomethane	9.706	93	35972	20.860	ug/l		96
47) Bromodichloromethane	9.882	83	75521	20.277	ug/l		96
48) Methyl methacrylate	9.676	41	55312	17.336	ug/l		97
49) 1,4-Dioxane	9.694	88	19052	351.057	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	331039	88.980	ug/l		97
52) Toluene	10.629	92	138339	20.052	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	82248	19.783	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	87598	19.183	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	50381	20.297	ug/l		99
56) Ethyl methacrylate	10.870	69	84956	18.620	ug/l		96
57) 1,3-Dichloropropane	11.159	76	87846	19.947	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	118312	54.632	ug/l		97
59) 2-Hexanone	11.194	43	242948	88.040	ug/l		99
60) Dibromochloromethane	11.353	129	54306	19.924	ug/l		98
61) 1,2-Dibromoethane	11.464	107	50570	20.191	ug/l		98
64) Tetrachloroethene	11.106	164	52924	20.558	ug/l		97
65) Chlorobenzene	11.888	112	149414	20.005	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	50746	20.595	ug/l		99
67) Ethyl Benzene	11.959	91	267796	19.869	ug/l		100
68) m/p-Xylenes	12.070	106	204005	40.396	ug/l		97
69) o-Xylene	12.394	106	99555	19.934	ug/l		98
70) Styrene	12.406	104	164379	19.753	ug/l		99
71) Bromoform	12.576	173	36657	19.760	ug/l	#	98
73) Isopropylbenzene	12.694	105	246083	19.334	ug/l		100
74) N-amyl acetate	12.488	43	103766	16.377	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	69090	18.879	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	67376m	18.350	ug/l		
77) Bromobenzene	12.976	156	57133	20.259	ug/l		94
78) n-propylbenzene	13.035	91	291710	19.450	ug/l		100
79) 2-Chlorotoluene	13.123	91	179302	19.105	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	204033	19.586	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	30259	19.792	ug/l		90
82) 4-Chlorotoluene	13.217	91	180626	19.375	ug/l		98
83) tert-Butylbenzene	13.435	119	173396	19.210	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	208033	19.619	ug/l		100
85) sec-Butylbenzene	13.611	105	249128	19.898	ug/l		99
86) p-Isopropyltoluene	13.723	119	206496	20.010	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	107143	20.210	ug/l		98
88) 1,4-Dichlorobenzene	13.811	146	108366	20.294	ug/l		99
89) n-Butylbenzene	14.053	91	180771	19.762	ug/l		98
90) Hexachloroethane	14.329	117	33053	19.042	ug/l		99
91) 1,2-Dichlorobenzene	14.105	146	104174	20.268	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13218	17.913	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	50233	20.410	ug/l		99
94) Hexachlorobutadiene	15.499	225	19866	21.383	ug/l		97
95) Naphthalene	15.635	128	161235	18.481	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	46532	19.970	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086454.D
Acq On : 02 May 2025 11:26
Operator : JC\MD
Sample : VN0502WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 02 23:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

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

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

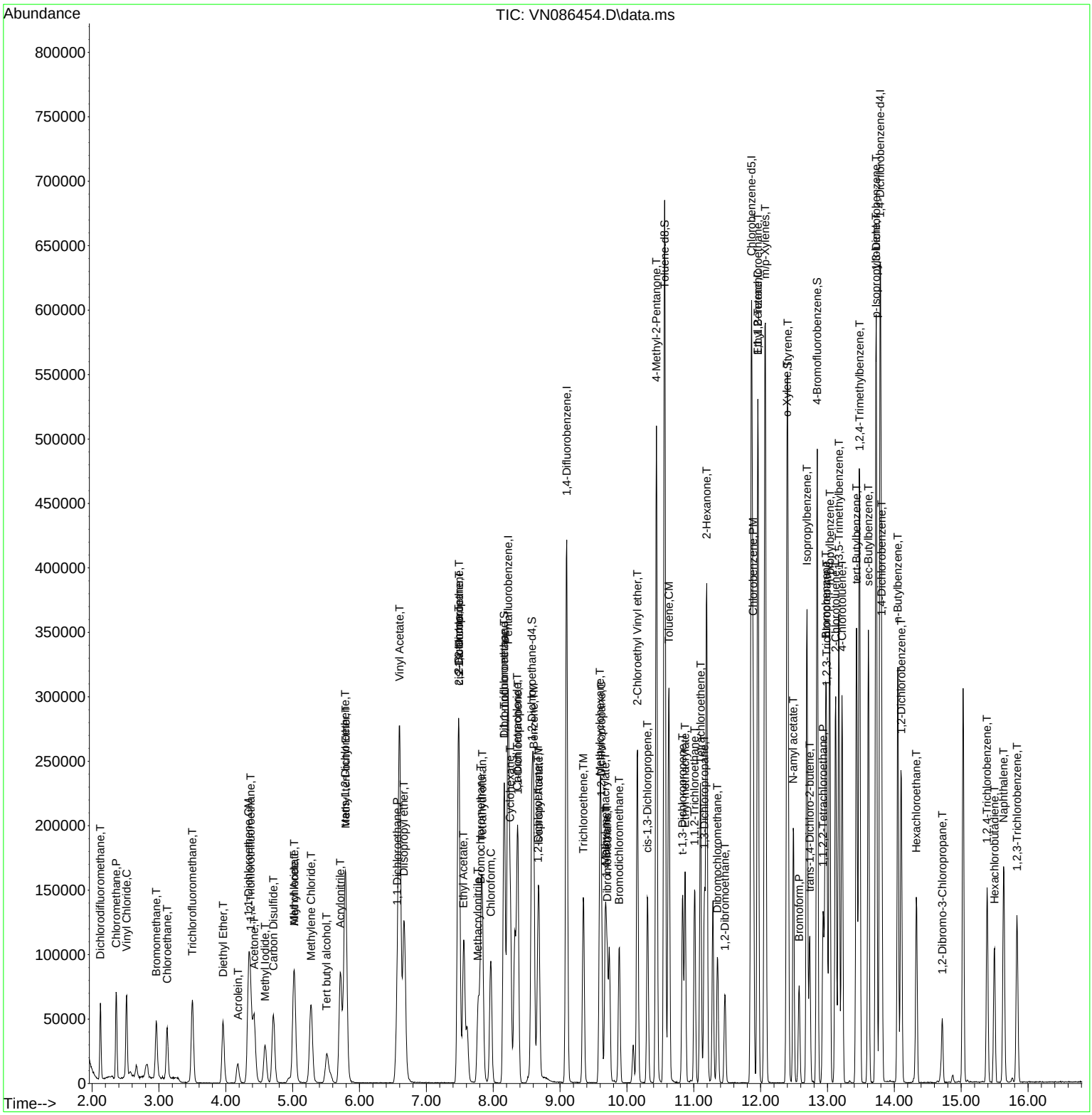
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086454.D
Acq On : 02 May 2025 11:26
Operator : JC\MD
Sample : VN0502WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 02 23:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086456.D
Acq On : 02 May 2025 12:14
Operator : JC\MD
Sample : VN0502WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 02 23:14:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	145586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	242177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118998	56.367	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.740%			
35) Dibromofluoromethane	8.159	113	74901	60.206	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 120.420%			
50) Toluene-d8	10.565	98	355221	53.425	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.860%			
62) 4-Bromofluorobenzene	12.847	95	126083	51.990	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	31952	18.514	ug/l	97
3) Chloromethane	2.359	50	43467	17.330	ug/l	100
4) Vinyl Chloride	2.512	62	42804	17.883	ug/l	99
5) Bromomethane	2.954	94	25613	23.790	ug/l	98
6) Chloroethane	3.118	64	29664	18.518	ug/l	98
7) Trichlorofluoromethane	3.501	101	52060	19.636	ug/l	98
8) Diethyl Ether	3.959	74	21816	18.849	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	31875	19.874	ug/l	98
10) Methyl Iodide	4.583	142	39960	22.662	ug/l	98
11) Tert butyl alcohol	5.512	59	40924	106.243	ug/l	99
12) 1,1-Dichloroethene	4.342	96	30861	18.010	ug/l	94
13) Acrolein	4.183	56	16822	83.614	ug/l	98
14) Allyl chloride	5.024	41	48708	15.990	ug/l	94
15) Acrylonitrile	5.718	53	95093	99.865	ug/l	99
16) Acetone	4.424	43	78830	104.683	ug/l	99
17) Carbon Disulfide	4.712	76	85785	16.720	ug/l	100
18) Methyl Acetate	5.030	43	45750	18.053	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	121226	19.246	ug/l	99
20) Methylene Chloride	5.277	84	37768	19.351	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	34740	19.392	ug/l	95
22) Diisopropyl ether	6.671	45	119656	18.057	ug/l	94
23) Vinyl Acetate	6.600	43	454755	98.172	ug/l	97
24) 1,1-Dichloroethane	6.565	63	65222	18.654	ug/l	99
25) 2-Butanone	7.483	43	126341	96.145	ug/l	96
26) 2,2-Dichloropropane	7.489	77	58483	18.682	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42882	19.286	ug/l	97
28) Bromochloromethane	7.812	49	29471	19.880	ug/l	90
29) Tetrahydrofuran	7.836	42	82670	94.079	ug/l	96
30) Chloroform	7.965	83	68649	19.988	ug/l	99
31) Cyclohexane	8.253	56	60698	17.741	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	57708	19.641	ug/l	98
36) 1,1-Dichloropropene	8.371	75	47184	18.989	ug/l	98
37) Ethyl Acetate	7.559	43	52081	19.908	ug/l	99
38) Carbon Tetrachloride	8.359	117	48099	20.326	ug/l	97
39) Methylcyclohexane	9.594	83	53440	18.094	ug/l	99
40) Benzene	8.606	78	155524	19.535	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086456.D
Acq On : 02 May 2025 12:14
Operator : JC\MD
Sample : VN0502WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 02 23:14:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	27303	18.008	ug/l		92
42) 1,2-Dichloroethane	8.665	62	52848	20.816	ug/l		100
43) Isopropyl Acetate	8.683	43	102439	20.449	ug/l		98
44) Trichloroethene	9.347	130	37690	19.974	ug/l		92
45) 1,2-Dichloropropane	9.618	63	38031	19.515	ug/l		93
46) Dibromomethane	9.706	93	27118	21.840	ug/l		97
47) Bromodichloromethane	9.888	83	55558	20.717	ug/l		99
48) Methyl methacrylate	9.677	41	42182	18.361	ug/l		95
49) 1,4-Dioxane	9.694	88	17440	446.300	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	270141	100.843	ug/l		99
52) Toluene	10.629	92	97386	19.604	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	60763	20.298	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	65001	19.769	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	38097	21.315	ug/l		96
56) Ethyl methacrylate	10.871	69	63046	19.190	ug/l		97
57) 1,3-Dichloropropane	11.159	76	64291	20.274	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	133965	85.912	ug/l		97
59) 2-Hexanone	11.194	43	201227	101.273	ug/l		100
60) Dibromochloromethane	11.353	129	40966	20.873	ug/l		100
61) 1,2-Dibromoethane	11.465	107	38247	21.208	ug/l		99
64) Tetrachloroethene	11.100	164	37604	20.186	ug/l		97
65) Chlorobenzene	11.888	112	107031	19.804	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	36396	20.413	ug/l		98
67) Ethyl Benzene	11.959	91	186400	19.113	ug/l		98
68) m/p-Xylenes	12.071	106	143762	39.341	ug/l		95
69) o-Xylene	12.394	106	71355	19.745	ug/l		97
70) Styrene	12.412	104	117039	19.437	ug/l		99
71) Bromoform	12.576	173	27536	20.513	ug/l	#	97
73) Isopropylbenzene	12.694	105	170656	19.179	ug/l		100
74) N-amyl acetate	12.488	43	80233	18.113	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53786	21.023	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	44872m	17.481	ug/l		
77) Bromobenzene	12.976	156	42151	21.380	ug/l		93
78) n-propylbenzene	13.029	91	197732	18.859	ug/l		100
79) 2-Chlorotoluene	13.123	91	128038	19.515	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	141678	19.454	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	21291	19.920	ug/l		95
82) 4-Chlorotoluene	13.218	91	126883	19.469	ug/l		98
83) tert-Butylbenzene	13.435	119	118858	18.836	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	141655	19.109	ug/l		100
85) sec-Butylbenzene	13.612	105	164745	18.822	ug/l		99
86) p-Isopropyltoluene	13.723	119	136925	18.979	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	75176	20.284	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	76961	20.617	ug/l		98
89) n-Butylbenzene	14.053	91	115942	18.131	ug/l		99
90) Hexachloroethane	14.329	117	22465	18.512	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	74951	20.859	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10823	20.981	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	34482	20.041	ug/l		99
94) Hexachlorobutadiene	15.500	225	12138	18.688	ug/l		96
95) Naphthalene	15.635	128	120282	19.721	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	33027	20.275	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086456.D
Acq On : 02 May 2025 12:14
Operator : JC\MD
Sample : VN0502WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 02 23:14:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086456.D
Acq On : 02 May 2025 12:14
Operator : JC\MD
Sample : VN0502WBSD01
Misc : 5.0mL/MSVOA_N/WATER
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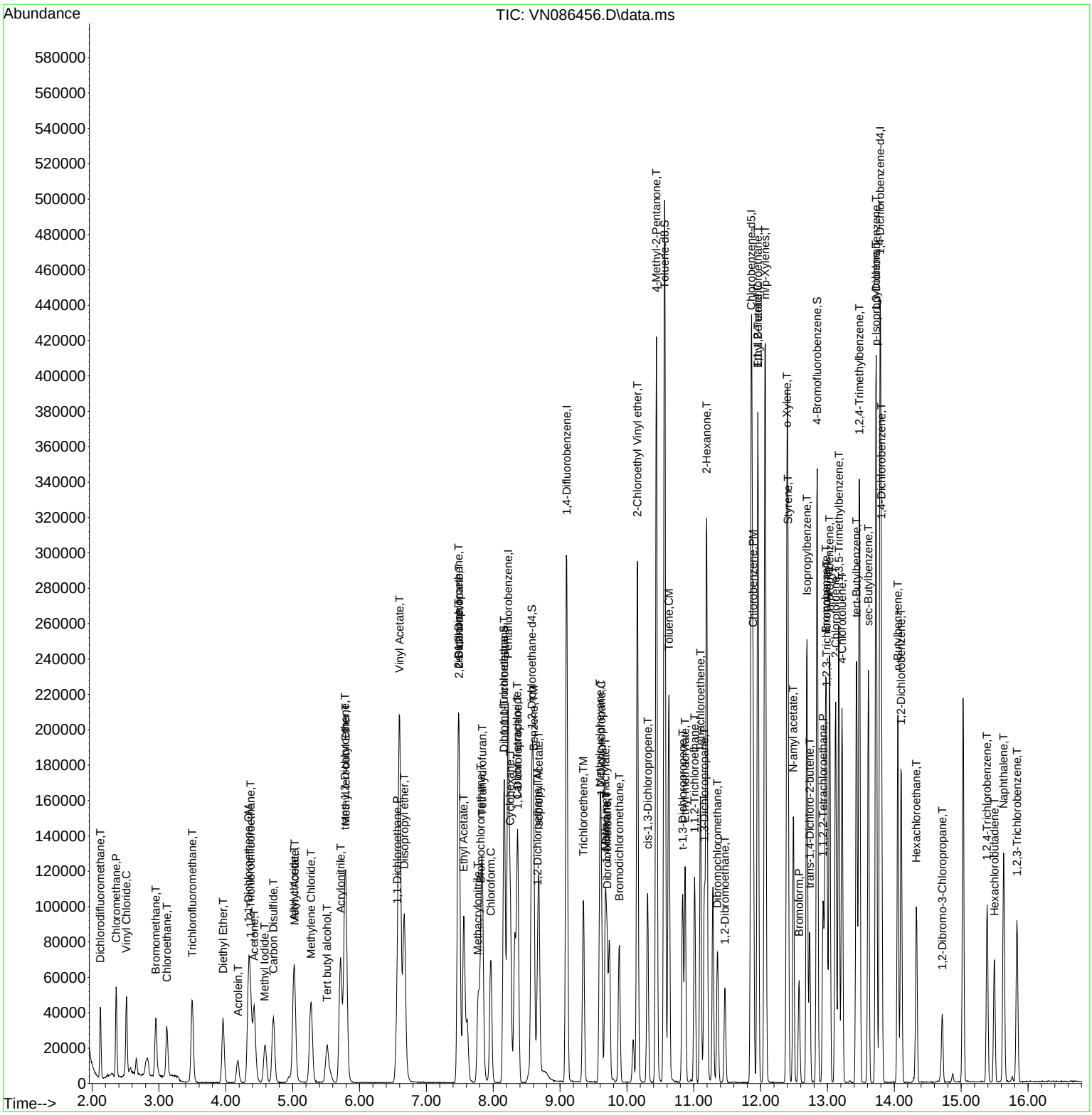
Quant Time: May 02 23:14:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



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

Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086277.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	1,4-Dichlorobenzene	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	Acetone	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	Vinyl Acetate	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	Allyl chloride	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	Vinyl Acetate	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN086282.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICC100	VN086282.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn050225	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086451.D	1,2,3-Trichloropropane	JOHN	5/5/2025 9:53:28 AM	Sam	5/5/2025 2:52:20 PM	Peak Integrated by Software
VN0502WBS01	VN086454.D	1,2,3-Trichloropropane	JOHN	5/5/2025 9:53:33 AM	Sam	5/5/2025 2:52:23 PM	Peak Integrated by Software
VN0502WBSD01	VN086456.D	1,2,3-Trichloropropane	JOHN	5/5/2025 9:53:38 AM	Sam	5/5/2025 2:52:26 PM	Peak Integrated by Software
VSTDCCC050	VN086476.D	1,2,3-Trichloropropane	JOHN	5/5/2025 9:55:08 AM	Sam	5/5/2025 2:53:28 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM				
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP133665
Initial Calibration Stds	VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC	
Internal Standard/PEM	VP131746
ICV/I.BLK	VP133673
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086276.D	15 Apr 2025 10:47	JC\MD	Ok
2	VSTDICC001	VN086277.D	15 Apr 2025 11:29	JC\MD	Ok,M
3	VSTDICC005	VN086278.D	15 Apr 2025 12:21	JC\MD	Ok,M
4	VSTDICC010	VN086279.D	15 Apr 2025 12:45	JC\MD	Ok,M
5	VSTDICC020	VN086280.D	15 Apr 2025 13:09	JC\MD	Ok,M
6	VSTDICCC050	VN086281.D	15 Apr 2025 13:51	JC\MD	Ok,M
7	VSTDICC100	VN086282.D	15 Apr 2025 14:29	JC\MD	Ok,M
8	VIBLK	VN086283.D	15 Apr 2025 15:06	JC\MD	Ok
9	VSTDICV050	VN086284.D	15 Apr 2025 15:30	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050225

Review By	John Carlone	Review On	5/5/2025 9:55:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:53:46 PM		
SubDirectory	VN050225	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133805
Initial Calibration Stds	
CCC	VP133806,VP133807
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086450.D	02 May 2025 08:47	JC\MD	Ok
2	VSTDCCC050	VN086451.D	02 May 2025 09:21	JC\MD	Ok,M
3	VN0502MBL01	VN086452.D	02 May 2025 09:58	JC\MD	Ok
4	VN0502WBL01	VN086453.D	02 May 2025 10:22	JC\MD	Ok
5	VN0502WBS01	VN086454.D	02 May 2025 11:26	JC\MD	Ok,M
6	PB167816ZHE#01	VN086455.D	02 May 2025 11:50	JC\MD	Ok
7	VN0502WBSD01	VN086456.D	02 May 2025 12:14	JC\MD	Ok,M
8	PB167816ZHE#02	VN086457.D	02 May 2025 12:38	JC\MD	Ok
9	PB167816ZHE#03	VN086458.D	02 May 2025 13:03	JC\MD	Ok,M
10	PB167816ZHE#04	VN086459.D	02 May 2025 13:27	JC\MD	Ok,M
11	PB167816ZHE#05	VN086460.D	02 May 2025 13:51	JC\MD	Ok,M
12	PB167816ZHE#06	VN086461.D	02 May 2025 14:15	JC\MD	Ok,M
13	PB167816ZHE#07	VN086462.D	02 May 2025 14:40	JC\MD	Ok,M
14	PB167816ZHE#08	VN086463.D	02 May 2025 15:04	JC\MD	Ok,M
15	PB167816ZHE#09	VN086464.D	02 May 2025 15:28	JC\MD	Ok,M
16	PB167816ZHE#10	VN086465.D	02 May 2025 15:52	JC\MD	Ok,M
17	PB167816ZHE#11	VN086466.D	02 May 2025 16:17	JC\MD	Ok,M
18	PB167816ZHE#12	VN086467.D	02 May 2025 16:41	JC\MD	Ok,M
19	PB167816ZHE#13	VN086468.D	02 May 2025 17:05	JC\MD	Ok,M
20	PB167816ZHE#14	VN086469.D	02 May 2025 17:30	JC\MD	Ok,M
21	PB167816ZHE#15	VN086470.D	02 May 2025 17:54	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050225

Review By	John Carlone	Review On	5/5/2025 9:55:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:53:46 PM		
SubDirectory	VN050225	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133805
Initial Calibration Stds	
CCC	VP133806,VP133807
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB167816ZHE#16	VN086471.D	02 May 2025 18:18	JC\MD	Ok,M
23	PB167816ZHE#17	VN086472.D	02 May 2025 18:43	JC\MD	Ok,M
24	Q1940-04	VN086473.D	02 May 2025 19:07	JC\MD	Ok
25	Q1940-05	VN086474.D	02 May 2025 19:31	JC\MD	Ok
26	Q1940-06	VN086475.D	02 May 2025 19:56	JC\MD	Ok
27	VSTDCCC050	VN086476.D	02 May 2025 20:20	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM		
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133665
Initial Calibration Stds	VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC	
Internal Standard/PEM	VP131746
ICV/I.BLK	VP133673
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086276.D	15 Apr 2025 10:47		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086277.D	15 Apr 2025 11:29		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086278.D	15 Apr 2025 12:21	Comp.#13,16 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC010	VSTDICC010	VN086279.D	15 Apr 2025 12:45	Comp.#43 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN086280.D	15 Apr 2025 13:09		JC\MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VN086281.D	15 Apr 2025 13:51		JC\MD	Ok,M
7	VSTDICC100	VSTDICC100	VN086282.D	15 Apr 2025 14:29		JC\MD	Ok,M
8	VIBLK	VIBLK	VN086283.D	15 Apr 2025 15:06		JC\MD	Ok
9	VSTDICV050	ICVVN041525	VN086284.D	15 Apr 2025 15:30		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050225

Review By	John Carlone	Review On	5/5/2025 9:55:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:53:46 PM		
SubDirectory	VN050225	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133805
Initial Calibration Stds	
CCC	VP133806,VP133807
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086450.D	02 May 2025 08:47		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086451.D	02 May 2025 09:21	pH#Lot#V12668	JC\MD	Ok,M
3	VN0502MBL01	VN0502MBL01	VN086452.D	02 May 2025 09:58		JC\MD	Ok
4	VN0502WBL01	VN0502WBL01	VN086453.D	02 May 2025 10:22		JC\MD	Ok
5	VN0502WBS01	VN0502WBS01	VN086454.D	02 May 2025 11:26		JC\MD	Ok,M
6	PB167816ZHE#01	PB167816ZHE#01	VN086455.D	02 May 2025 11:50		JC\MD	Ok
7	VN0502WBSD01	VN0502WBSD01	VN086456.D	02 May 2025 12:14		JC\MD	Ok,M
8	PB167816ZHE#02	PB167816ZHE#02	VN086457.D	02 May 2025 12:38		JC\MD	Ok
9	PB167816ZHE#03	PB167816ZHE#03	VN086458.D	02 May 2025 13:03		JC\MD	Ok,M
10	PB167816ZHE#04	PB167816ZHE#04	VN086459.D	02 May 2025 13:27		JC\MD	Ok,M
11	PB167816ZHE#05	PB167816ZHE#05	VN086460.D	02 May 2025 13:51		JC\MD	Ok,M
12	PB167816ZHE#06	PB167816ZHE#06	VN086461.D	02 May 2025 14:15		JC\MD	Ok,M
13	PB167816ZHE#07	PB167816ZHE#07	VN086462.D	02 May 2025 14:40		JC\MD	Ok,M
14	PB167816ZHE#08	PB167816ZHE#08	VN086463.D	02 May 2025 15:04		JC\MD	Ok,M
15	PB167816ZHE#09	PB167816ZHE#09	VN086464.D	02 May 2025 15:28		JC\MD	Ok,M
16	PB167816ZHE#10	PB167816ZHE#10	VN086465.D	02 May 2025 15:52		JC\MD	Ok,M
17	PB167816ZHE#11	PB167816ZHE#11	VN086466.D	02 May 2025 16:17		JC\MD	Ok,M
18	PB167816ZHE#12	PB167816ZHE#12	VN086467.D	02 May 2025 16:41		JC\MD	Ok,M

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050225

Review By	John Carlone	Review On	5/5/2025 9:55:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:53:46 PM		
SubDirectory	VN050225	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133805
Initial Calibration Stds	
CCC	VP133806,VP133807
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB167816ZHE#13	PB167816ZHE#13	VN086468.D	02 May 2025 17:05		JC\MD	Ok,M
20	PB167816ZHE#14	PB167816ZHE#14	VN086469.D	02 May 2025 17:30		JC\MD	Ok,M
21	PB167816ZHE#15	PB167816ZHE#15	VN086470.D	02 May 2025 17:54		JC\MD	Ok,M
22	PB167816ZHE#16	PB167816ZHE#16	VN086471.D	02 May 2025 18:18		JC\MD	Ok,M
23	PB167816ZHE#17	PB167816ZHE#17	VN086472.D	02 May 2025 18:43		JC\MD	Ok,M
24	Q1940-04	MW-1	VN086473.D	02 May 2025 19:07	vial A pH<2	JC\MD	Ok
25	Q1940-05	MW-2	VN086474.D	02 May 2025 19:31	vial A pH<2	JC\MD	Ok
26	Q1940-06	MW-3	VN086475.D	02 May 2025 19:56	vial A pH<2	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN086476.D	02 May 2025 20:20		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1940	**OrderDate:**	5/1/2025 2:54:19 PM
Client:	G Environmental	**Project:**	Dover
Contact:	Gary Landis	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1940-04	**MW-1**	**Water**			**04/30/25**			**05/01/25**
			VOCMS Group1	8260-Low			05/02/25	
Q1940-05	**MW-2**	**Water**			**04/30/25**			**05/01/25**
			VOCMS Group1	8260-Low			05/02/25	
Q1940-06	**MW-3**	**Water**			**04/30/25**			**05/01/25**
			VOCMS Group1	8260-Low			05/02/25	

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. Q1940
COC Number 2045865

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Genvironmental
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Dover
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: 973 2841771 FAX:

CLIENT BILLING INFORMATION

BILL TO: Genvironmental PO#:
ADDRESS: 8 Carriage
CITY Succasunna NJ STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: hazsite/cad excel pdf 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) X NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC ❑ NYS ASP A ❑ NYS ASP B
+ Raw Data) ❑ Other
❑ EDD FORMAT hazsite NJDEP Excel

ANALYSIS

1: TCL VOA+15 TBA, TBE

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 (HCl)	2	3	4	5	6	7	8	9	COMMENTS
1.	MW1	GW		X	4/30/25	1215	2	X									
2.	MW2	GW		X		1230	2	X									
3.	MW3	GW		X	4/30/25	1245	2	X									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES — Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	5/1/25 1423	1. [signature]
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.3°C °C
Comments: DOVER MW1 MW2 MW3
Adjust Factor +1
IR Gun #1

Page ____ of
CLIENT: ❑ Hand Delivered ❑ Other
Shipment Complete ❑ YES ❑ NO

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1940 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 5/1/2025 2:54:19 PM
Project Name : Dover
Receive DateTime : 5/1/2025 ~~12:00:00~~ 14:23 AM
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ NJ Reduce
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1940-04	MW-1	Water	04/30/2025	12:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1940-05	MW-2	Water	04/30/2025	12:32					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1940-06	MW-3	Water	04/30/2025	12:45					
					VOCMS Group1		8260-Low		10 Bus. Days

Stored in VOA
ref # 04

Relinguished By : CF
Date / Time : 5/1/25 1520

Received By : WMadock
Date / Time : 5-1-25 15:30

Storage Area : VOA Refridgerator Room