



SHIPPING DOCUMENTS

Client Contact Information						Bottle Order ID : B2511028				Courier : F Galdun				1 of 7 COCs				
Client ID : GFEL01 Project ID : All Projects						Sampler Name(s) : FRANK GALDUN				Analysis				Matrix				
Customer GFE LLC Name : Address : 58 Nokomis Ave						Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified								
						Phone Number : 646-542-3465												
						Fax Number : 973-334-1692												
						Site Details: 90-73 SURPHIN BLVD. JAMAICA, NY												
City : Lake Hiawatha						Analysis Turnaround Time 7 DAY				Data Package Type : RESULTS ONLY								
State : NJ						Standard : 10 business days OR												
Zip Code : 07034						Rush (Specify): 7 Days				EDD Type : PDF								
Country :																		
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15		Indoor/Ambient Air	Soil Gas
SVI	11/19/25	10:19	12:19	0.850	3.5	55	55	-30	-4.7	10617	10329	6 L	50	VL043135.D	1			1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 								
		Ambient	Maximum	Minimum														
Start																		
Stop																		
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY THOSE ANALYTES ON THE ATTACHED LIST Please follow the instructions on the back of this COC.								
		Ambient	Maximum	Minimum														
Start																		
Stop																		
Special Instructions/QC Requirements & Comments :																		
Suspected Contamination: High Medium <u>Low</u> PID Readings: <u>0.0</u>																		
Sampling site (State):																		
Quick Connector required : <u>No</u>																		
Canisters Shipped by:					Date/Time: <u>11/14/15</u>					Canisters Received by: <u>CR</u>					Date/Time: <u>11/20/25 12:07</u>			
Samples Relinquished by:					Date/Time: <u>11/20/25</u>					Received by:					Date/Time:			
Relinquished by:					Date/Time:					Received by:					Date/Time:			
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Client Contact Information				Bottle Order ID : B2511028				Courier : <u>FGALDUN</u>				<u>2</u> of <u>7</u> COCs			
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : <u>FRANK GALDUN</u>				Analysis				Matrix			
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified							
				Phone Number : 646-542-3465											
				Fax Number : 973-334-1692											
				Site Details: <u>90-73 SURPHIN BLVD</u> <u>JAMAICA, NY</u>											
City : Lake Hiawatha				Analysis Turnaround Time <u>7</u>				Data Package Type : <u>RESULTS ONLY</u>							
State : NJ				Standard : <u>10 business days</u> OR											
Zip Code : 07034				Rush (Specify): <u>7</u> Days				EDD Type : <u>PDF</u>							
Country :															

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
IA1	11/14/25	12:20	30	5.5	5.5	5.5		-29	-4.3	10479	10598	6 L	50	VL043135.D	1	1	

Temperature (Fahrenheit)				
	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)				
	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) [Signature]

**** Submittal of this COC indicates approval of the analysis based on existing conditions.**

REPORT ONLY. THOSE ANALYTES ON THE ATTACHED LIST

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings 0.0

Sampling site (State):

Quick Connector required : <u>See No</u>			
Canisters Shipped by: <u>See No</u>	Date/Time: <u>11/14/25</u>	Canisters Received by: <u>CL</u>	Date/Time: <u>11/20/25 1207</u>
Samples Relinquished by: <u>See No</u>	Date/Time: <u>11/20/25</u>	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

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Client Contact Information				Bottle Order ID : B2511028				Courier : FGALDUN				<u>3</u> of <u>7</u> COCs					
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix					
Customer GFE LLC Name : Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
Site Details: 90-73 SURPHIN BLD. JAMAICA, NJ																	
City : Lake Hiawatha				Analysis Turnaround Time <u>7</u>													
State : NJ				Standard : 10-business days OR				Data Package Type : RESULTS ONLY									
Zip Code : 07034				Rush (Specify): <u>7</u> Days				EDD Type : PDE									
Country :																	
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
SU2	11/19/25	10:44	12:44	9.5	5.5	55	55	-29	-5.5	10226	10439	6 L	50	VL043135.D			
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) Sgt							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY THOSE ANALYTICS ON THE ATTACHED LIST Please follow the instructions on the back of this COC.							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium <u>Low</u> PID Readings: <u>0.0</u>																	
Sampling site (State):																	
Quick Connector required : <u>NO</u>																	
Canisters Shipped by: <u>FGM</u>				Date/Time: <u>11/14/25</u>				Canisters Received by: <u>ch</u>				Date/Time: <u>11/20/25 12:07</u>					
Samples Relinquished by: <u>FGM</u>				Date/Time: <u>11/20/25</u>				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Client Contact Information				Bottle Order ID : B2511028				Courier : FGALDUN				4 of 7 COCs			
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis		Matrix	
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified							
				Phone Number : 646-542-3465											
				Fax Number : 973-334-1692											
				Site Details: 90-73 Sutphin Blvd. JAMAICA, NY											
City : Lake Hiawatha				Analysis Turnaround Time 7 DAY				Data Package Type : RESULTS ONLY							
State : NJ				Standard : 10 business days OR				EDD Type : PDF							
Zip Code : 07034				Rush (Specify): 7 Days											
Country :															

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
IAZ	11/19/25	10:42	12:42	over 30	6	55	55	-30	-5.1	10218	10445	6 L	50	VL043135.D			

Temperature (Fahrenheit)					GC/MS Analyst Signature (TO-15)
	Ambient	Maximum	Minimum		
Start					
Stop					

Pressure (Inches of Hg)					** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY THOSE ANALYTES ON THE ATTACHED LIST Please follow the instructions on the back of this COC.
	Ambient	Maximum	Minimum		
Start					
Stop					

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO			
Canisters Shipped by: SEM	Date/Time: 11/14/25	Canisters Received by: CR	Date/Time: 11/20/25 (2:07)
Samples Relinquished by: FGALDUN	Date/Time: 11/20/25	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

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Client Contact Information				Bottle Order ID : B2511028				Courier : FGALDUN				5 of 7 COCs								
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix								
Customer GFE LLC Name : Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified												
				Phone Number : 646-542-3465																
				Fax Number : 973-334-1692																
				Site Details: 90-73 SUTPH IN BLD JAMAICA, NY																
City : Lake Hiawatha				Analysis Turnaround Time 7 DAY				Data Package Type : RESULTS ONLY				Indoor/Ambient Air Soil Gas								
State : NJ				Standard : 10 Business days OR				EDD Type : PDF												
Zip Code : 07034				Rush (Specify): 7 Days																
Country :																				
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15					
SU3	11/19/25	10:57	12:57	30	5.5	55	55	-29.5	-5.5	10585	10334	6 L	50	VL043135.D	1					
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) SJ										
		Ambient	Maximum	Minimum																
Start																				
Stop																				
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY THOSE ANALYTES ON THE ATTACHED LIST Please follow the instructions on the back of this COC.										
		Ambient	Maximum	Minimum																
Start																				
Stop																				
Special Instructions/QC Requirements & Comments :																				
Suspected Contamination: High Medium Low PID Readings:																				
Sampling site (State):																				
Quick Connector required : No																				
Canisters Shipped by: FRANK				Date/Time: 11/14/25				Canisters Received by: CP				Date/Time: 11/20/25 ROF				B2511028 - 5				
Samples Relinquished by: FRANK				Date/Time: 11/20/25				Received by:				Date/Time:								
Relinquished by:				Date/Time:				Received by:				Date/Time:								

Client Contact Information				Bottle Order ID : B2511028				Courier : FGALDUN				6 of 7 COCs			
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis		Matrix	
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified							
				Phone Number : 646-542-3465											
				Fax Number : 973-334-1692											
				Site Details: 90-73 SUTRAIN BLVD Jamaica, NY											
				Analysis Turnaround Time 7 DAY				Data Package Type : RESULTS ONLY							
				Standard : 10 business days OR				EDD Type : PDE							
Rush (Specify): 2 Days															

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
IA3	11/19/25	11:30	1:30	OVER 30		55	55	-30	-2.2	10547	10053	6 L	50	VL043135.D	1	1	

Temperature (Fahrenheit)				
	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)				
	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) [Signature]

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : **No**

Canisters Shipped by: Sam	Date/Time: 11/14/24	Canisters Received by: [Signature]	Date/Time: 11/20/25 1207
Samples Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

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Client Contact Information				Bottle Order ID : B2511028				Courier : F Galdun				2 of 7 COCs																	
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix																	
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																					
				Phone Number : 646-542-3465																									
				Fax Number : 973-334-1692																									
				Site Details: 90-73 Sutphin Blvd. JAMAICA, NY																									
Analysis Turnaround Time 7 DAY				Standard : 10-business days OR				Data Package Type : RESULTS ONLY																					
Rush (Specify): 7 Days				EDD Type : FDE																									
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas													
DA1	11/19/25	10:25	12:25	30	0	55	55	-30	-2.2	10625	10602	6 L	50	VL043135.D	1	1													
Temperature (Fahrenheit) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th></th> <th>Ambient</th> <th>Maximum</th> <th>Minimum</th> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start				Stop				GC/MS Analyst Signature (TO-15) 							
	Ambient	Maximum	Minimum																										
Start																													
Stop																													
Pressure (Inches of Hg) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th></th> <th>Ambient</th> <th>Maximum</th> <th>Minimum</th> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start				Stop				** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY THOSE ANALYTES ON THE ATTACHED LIST Please follow the instructions on the back of this COC.							
	Ambient	Maximum	Minimum																										
Start																													
Stop																													
Special Instructions/QC Requirements & Comments :																													
Suspected Contamination: High Medium Low PID Readings:																													
Sampling site (State):																													
Quick Connector required : NO																													
Canisters Shipped by:				Date/Time: 11/14/25				Canisters Received by:				Date/Time: 11/20/25 1207																	
Samples Relinquished by:				Date/Time: 11/20/25				Received by:				Date/Time:																	
Relinquished by:				Date/Time:				Received by:				Date/Time:																	

REQUESTED ANALYTE LIST:

PCE
TCE
cis-1,2-DCE
1,1,1-TCA
1,1-DCE
Vinyl chloride
Benzene
Toluene
Ethylbenzene
Naphthalene
Cyclohexane
2,2,4-Trimethylpentane
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
o-xylene
m,p-xylene
Heptane
Hexane

Laboratory Certification

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

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Chemtech

Location: 284 Sheffield Street, Mountainside, NJ 7092

~~NABE~~:

Title: Sample Custodian

Field Sample Seal No. Q3696

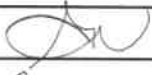
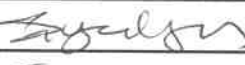
Date Broken: 11/13/2025

Military Time Seal Broken: 12:07:00

Case No.: 90-73 Sutphin Blvd Jamaica

Analytical Parameter/Fraction: OCMS Group2

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q3696-01	SV1		
Q3696-02	IA1		
Q3696-03	SV2		
Q3696-04	IA2		
Q3696-05	SV3		
Q3696-06	IA3		
Q3696-07	OA1		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
11/20	1410	Signature 	Signature 	
		Printed Name <u>George N.</u>	Printed Name <u>Sample Custodian</u>	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report)

Yellow - Contractor Archive

Pink - Sample Custodian - Interim Copy

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

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

LAB CHRONICLE

OrderID: Q3696	OrderDate: 11/20/2025 1:36:00 PM
Client: GFE LLC	Project: 90-73 Sutphin Blvd Jamaica, NY
Contact: Frank Galdun	Location: Air Lab, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3696-01	SV1	Air	VOCMS Group2	TO-15	11/19/25		11/24/25	11/20/25
Q3696-02	IA1	Air	VOCMS Group2	TO-15	11/19/25		11/24/25	11/20/25
Q3696-03	SV2	Air	VOCMS Group2	TO-15	11/19/25		11/24/25	11/20/25
Q3696-04	IA2	Air	VOCMS Group2	TO-15	11/19/25		11/24/25	11/20/25
Q3696-05	SV3	Air	VOCMS Group2	TO-15	11/19/25		11/24/25	11/20/25
Q3696-06	IA3	Air	VOCMS Group2	TO-15	11/19/25		11/24/25	11/20/25
Q3696-07	OA1	Air	VOCMS Group2	TO-15	11/19/25		11/24/25	11/20/25

Hit Summary Sheet
SW-846

SDG No.: Q3696
Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SV1							
Q3696-01	SV1	Air	Cyclohexane	10.3		3.03	6.88	ug/m3
Q3696-01	SV1	Air	Trichloroethene	0.75		0.54	0.64	ug/m3
Q3696-01	SV1	Air	Toluene	52.4		2.41	7.54	ug/m3
Q3696-01	SV1	Air	Tetrachloroethene	156		0.41	0.81	ug/m3
Q3696-01	SV1	Air	m/p-Xylene	7.82	J	6.95	17.4	ug/m3
Q3696-01	SV1	Air	o-Xylene	4.78	J	3.65	8.69	ug/m3
Q3696-01	SV1	Air	1,2,4-Trimethylbenzene	4.62	J	3.54	9.83	ug/m3
Q3696-01	SV1	Air	Hexane	3.52	J	2.26	7.05	ug/m3
Total Voc :				240				
Total Concentration:				240				
Client ID:	IA1							
Q3696-02	IA1	Air	2,2,4-Trimethylpentane	1.26	J	0.65	2.34	ug/m3
Q3696-02	IA1	Air	Benzene	1.21	J	0.26	1.60	ug/m3
Q3696-02	IA1	Air	Toluene	1.85	J	0.60	1.88	ug/m3
Q3696-02	IA1	Air	Tetrachloroethene	0.88		0.14	0.20	ug/m3
Q3696-02	IA1	Air	m/p-Xylene	2.74	J	1.78	4.34	ug/m3
Q3696-02	IA1	Air	o-Xylene	0.91	J	0.91	2.17	ug/m3
Q3696-02	IA1	Air	Hexane	2.40		0.56	1.76	ug/m3
Total Voc :				11.3				
Total Concentration:				11.3				
Client ID:	SV2							
Q3696-03	SV2	Air	1,1,1-Trichloroethane	1.36		0.33	0.65	ug/m3
Q3696-03	SV2	Air	Trichloroethene	1.29		0.54	0.64	ug/m3
Q3696-03	SV2	Air	Toluene	3.58	J	2.41	7.54	ug/m3
Q3696-03	SV2	Air	Tetrachloroethene	21.0		0.41	0.81	ug/m3
Total Voc :				27.3				
Total Concentration:				27.3				
Client ID:	IA2							
Q3696-04	IA2	Air	2,2,4-Trimethylpentane	1.17	J	0.65	2.34	ug/m3
Q3696-04	IA2	Air	Benzene	1.09	J	0.26	1.60	ug/m3
Q3696-04	IA2	Air	Trichloroethene	0.21		0.11	0.16	ug/m3
Q3696-04	IA2	Air	Toluene	1.58	J	0.60	1.88	ug/m3
Q3696-04	IA2	Air	Tetrachloroethene	1.08		0.14	0.20	ug/m3
Q3696-04	IA2	Air	Hexane	1.80		0.56	1.76	ug/m3
Total Voc :				6.93				
Total Concentration:				6.93				
Client ID:	SV3							

Hit Summary Sheet
SW-846

SDG No.: Q3696

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3696-05	SV3	Air	Benzene	2.59	J	1.02	6.39	ug/m3
Q3696-05	SV3	Air	Trichloroethene	79.0		0.54	0.64	ug/m3
Q3696-05	SV3	Air	Bromodichloromethane	9.38	J	1.67	13.4	ug/m3
Q3696-05	SV3	Air	Toluene	4.52	J	2.41	7.54	ug/m3
Q3696-05	SV3	Air	Tetrachloroethene	231		0.41	0.81	ug/m3
Q3696-05	SV3	Air	Hexane	4.93	J	2.26	7.05	ug/m3
Total Voc :				332				
Total Concentration:				332				
Client ID:	IA3							
Q3696-06	IA3	Air	Benzene	0.67	J	0.26	1.60	ug/m3
Q3696-06	IA3	Air	Trichloroethene	0.27		0.11	0.16	ug/m3
Q3696-06	IA3	Air	Tetrachloroethene	0.54		0.14	0.20	ug/m3
Q3696-06	IA3	Air	Hexane	1.76		0.56	1.76	ug/m3
Total Voc :				3.24				
Total Concentration:				3.24				
Client ID:	OA1							
Q3696-07	OA1	Air	2,2,4-Trimethylpentane	0.89	J	0.65	2.34	ug/m3
Q3696-07	OA1	Air	Benzene	0.70	J	0.26	1.60	ug/m3
Q3696-07	OA1	Air	Toluene	1.02	J	0.60	1.88	ug/m3
Q3696-07	OA1	Air	Tetrachloroethene	0.47		0.14	0.20	ug/m3
Q3696-07	OA1	Air	Hexane	4.58		0.56	1.76	ug/m3
Total Voc :				7.66				
Total Concentration:				7.66				



QC SUMMARY

Surrogate Summary

SDG No.: Q3696

Client: GFE LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3696-01	SV1	1-Bromo-4-Fluorobenzene	10	9.94	99		65	135
Q3696-02	IA1	1-Bromo-4-Fluorobenzene	10	9.99	100		65	135
Q3696-02DUP	IA1DUP	1-Bromo-4-Fluorobenzene	10	10.1	101		65	135
Q3696-03	SV2	1-Bromo-4-Fluorobenzene	10	9.68	97		65	135
Q3696-04	IA2	1-Bromo-4-Fluorobenzene	10	9.72	97		65	135
Q3696-05	SV3	1-Bromo-4-Fluorobenzene	10	9.83	98		65	135
Q3696-06	IA3	1-Bromo-4-Fluorobenzene	10	9.42	94		65	135
Q3696-07	OA1	1-Bromo-4-Fluorobenzene	10	9.66	97		65	135
VL1124ABL01	VL1124ABL01	1-Bromo-4-Fluorobenzene	10	9.85	98		65	135
VL1124ABS01	VL1124ABS01	1-Bromo-4-Fluorobenzene	10	10.2	102		65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3696</u>	Analytical Method:	<u>SWTO-15</u>
Client:	<u>GFE LLC</u>	Datafile :	<u>VL043280.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL1124ABS01	Vinyl Chloride	10	9.40	ppbv	94			70	130	
	Heptane	10	9.30	ppbv	93			70	130	
	1,1-Dichloroethane	10	10.8	ppbv	108			70	130	
	Cyclohexane	10	10.1	ppbv	101			70	130	
	cis-1,2-Dichloroethene	10	10.4	ppbv	104			70	130	
	1,1,1-Trichloroethane	10	11.2	ppbv	112			70	130	
	2,2,4-Trimethylpentane	10	10.2	ppbv	102			70	130	
	Benzene	10	10.7	ppbv	107			70	130	
	Trichloroethene	10	11.0	ppbv	110			70	130	
	Toluene	10	10.2	ppbv	102			70	130	
	Tetrachloroethene	10	10.6	ppbv	106			70	130	
	Ethyl Benzene	10	10.6	ppbv	106			70	130	
	m/p-Xylene	20	21.8	ppbv	109			70	130	
	o-Xylene	10	10.8	ppbv	108			70	130	
	1,3,5-Trimethylbenzene	10	10.7	ppbv	107			70	130	
	1,2,4-Trimethylbenzene	10	10.9	ppbv	109			70	130	
	Naphthalene	10	10.1	ppbv	101			70	130	
	Hexane	10	9.80	ppbv	98			70	130	

Duplicate Sample Summary

Lab Sample Id :	Q3696-02DUP	Q3696-02
Client Id :	IA1DUP	IA1
DF :	1	1
Datafile :	VL043282.D	VL043281.D
Anal Date & Time :	11/24/2025 15:00	11/24/2025 14:26

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,2,4-Trimethylbenzene	0	0	0
1,3,5-Trimethylbenzene	0	0	0
2,2,4-Trimethylpentane	0.25	0.27	7.7
Benzene	0.35	0.38	8.2
cis-1,2-Dichloroethene	0	0	0
Cyclohexane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexane	0.72	0.68	5.7
m/p-Xylene	0.58	0.63	8.3
Naphthalene	0	0	0
o-Xylene	0	0.21	200 *
Tetrachloroethene	0.13	0.13	0
Toluene	0.47	0.49	4.2
Trichloroethene	0	0	0
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

Client ID

IA1DUP

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3696

Lab File ID: VL043282.D

Lab Sample ID: Q3696-02DUP

Date Analyzed: 11/24/2025

Time Analyzed: 15:00

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
IA1DUP	Q3696-02DUP	VL043282.D	11/24/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VL1124ABL01

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3696

Lab File ID: VL043279.D

Lab Sample ID: VL1124ABL01

Date Analyzed: 11/24/2025

Time Analyzed: 13:11

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL1124ABS01	VL1124ABS01	VL043280.D	11/24/2025
IA1	Q3696-02	VL043281.D	11/24/2025
IA2	Q3696-04	VL043283.D	11/24/2025
IA3	Q3696-06	VL043284.D	11/24/2025
OA1	Q3696-07	VL043285.D	11/24/2025
SV1	Q3696-01	VL043286.D	11/24/2025
SV2	Q3696-03	VL043287.D	11/24/2025
SV3	Q3696-05	VL043288.D	11/24/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3696

Lab File ID: VL043202.D

BFB Injection Date: 11/18/2025

Instrument ID: MSVOA_L

BFB Injection Time: 08:46

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.1
75	30.0 - 66.0% of mass 95	55.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	63.6
175	4.0 - 9.0% of mass 174	5 (7.8) 1
176	93.0 - 101.0% of mass 174	60.7 (95.5) 1
177	5.0 - 9.0% of mass 176	4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC0.5	VSTDICC0.5	VL043203.D	11/18/2025	09:29
VSTDICCC010	VSTDICCC010	VL043204.D	11/18/2025	10:02
VSTDICC002	VSTDICC002	VL043205.D	11/18/2025	10:37
VSTDICC001	VSTDICC001	VL043206.D	11/18/2025	11:10
VSTDICC0.1	VSTDICC0.1	VL043208.D	11/18/2025	12:16
VSTDICC0.03	VSTDICC0.03	VL043209.D	11/18/2025	12:49
VSTDICC015	VSTDICC015	VL043210.D	11/18/2025	13:24

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3696

Lab File ID: VL043277.D

BFB Injection Date: 11/24/2025

Instrument ID: MSVOA_L

BFB Injection Time: 08:53

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.3
75	30.0 - 66.0% of mass 95	57.3
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	0.5 (0.8) 1
174	50.0 - 120.0% of mass 95	64.5
175	4.0 - 9.0% of mass 174	4.7 (7.3) 1
176	93.0 - 101.0% of mass 174	62.2 (96.3) 1
177	5.0 - 9.0% of mass 176	4.3 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL043278.D	11/24/2025	12:27
VL1124ABL01	VL1124ABL01	VL043279.D	11/24/2025	13:11
VL1124ABS01	VL1124ABS01	VL043280.D	11/24/2025	13:52
IA1	Q3696-02	VL043281.D	11/24/2025	14:26
IA1DUP	Q3696-02DUP	VL043282.D	11/24/2025	15:00
IA2	Q3696-04	VL043283.D	11/24/2025	15:35
IA3	Q3696-06	VL043284.D	11/24/2025	16:09
OA1	Q3696-07	VL043285.D	11/24/2025	16:43
SV1	Q3696-01	VL043286.D	11/24/2025	17:15
SV2	Q3696-03	VL043287.D	11/24/2025	17:47
SV3	Q3696-05	VL043288.D	11/24/2025	18:20

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GFEL01
Lab Code: ACE SDG NO.: Q3696
Lab File ID: VL043278.D Date Analyzed: 11/24/2025
Instrument ID: MSVOA_L Time Analyzed: 12:27
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	107061	2.78	275969	3.95	215083	8.87
UPPER LIMIT	149885	3.11	386357	4.28	301116	9.20
LOWER LIMIT	64236.6	2.45	165581	3.62	129050	8.54
EPA SAMPLE NO.						
SV1	108054	2.78	273893	3.95	213852	8.87
IA1	107070	2.78	286434	3.95	213639	8.87
IA1DUP	105549	2.78	279590	3.95	213658	8.87
SV2	110236	2.78	285613	3.95	215025	8.87
IA2	106409	2.78	274861	3.95	210706	8.87
SV3	115982	2.79	303381	3.96	230111	8.87
IA3	109479	2.78	279354	3.95	212021	8.87
OA1	106827	2.78	272263	3.95	212048	8.87
VL1124ABL01	106137	2.78	277570	3.95	209566	8.88
VL1124ABS01	105147	2.78	272854	3.95	221036	8.87

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

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

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



SAMPLE DATA

Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: SV1
Lab Sample ID: Q3696-01
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected: 11/19/25
Date Received: 11/20/25
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.10	0.26	U	4	0.26	0.31	11/24/25 17:15	VL112425
142-82-5	Heptane	0.68	2.79	U	4	2.79	8.20	11/24/25 17:15	VL112425
75-34-3	1,1-Dichloroethane	0.52	2.10	U	4	2.10	8.09	11/24/25 17:15	VL112425
110-82-7	Cyclohexane	3.00	10.3		4	3.03	6.88	11/24/25 17:15	VL112425
156-59-2	cis-1,2-Dichloroethene	0.40	1.59	U	4	1.59	7.93	11/24/25 17:15	VL112425
71-55-6	1,1,1-Trichloroethane	0.060	0.33	U	4	0.33	0.65	11/24/25 17:15	VL112425
540-84-1	2,2,4-Trimethylpentane	0.56	2.62	U	4	2.62	9.34	11/24/25 17:15	VL112425
71-43-2	Benzene	0.32	1.02	U	4	1.02	6.39	11/24/25 17:15	VL112425
79-01-6	Trichloroethene	0.14	0.75		4	0.54	0.64	11/24/25 17:15	VL112425
75-27-4	Bromodichloromethane	0.25	1.67	U	4	1.67	13.4	11/24/25 17:15	VL112425
108-88-3	Toluene	13.9	52.4		4	2.41	7.54	11/24/25 17:15	VL112425
127-18-4	Tetrachloroethene	23.0	156		4	0.41	0.81	11/24/25 17:15	VL112425
179601-23-1	m/p-Xylene	1.80	7.82	J	4	6.95	17.4	11/24/25 17:15	VL112425
95-47-6	o-Xylene	1.10	4.78	J	4	3.65	8.69	11/24/25 17:15	VL112425
108-67-8	1,3,5-Trimethylbenzene	0.72	3.54	U	4	3.54	9.83	11/24/25 17:15	VL112425
95-63-6	1,2,4-Trimethylbenzene	0.94	4.62	J	4	3.54	9.83	11/24/25 17:15	VL112425
91-20-3	Naphthalene	0.050	0.26	U	4	0.26	2.10	11/24/25 17:15	VL112425
110-54-3	Hexane	1.00	3.52	J	4	2.26	7.05	11/24/25 17:15	VL112425

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	9.90		65 - 135	99% SPK: 10
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INTERNAL STANDARDS

	Area Count	
74-97-5	Bromochloromethane	108000
540-36-3	1,4-Difluorobenzene	274000
3114-55-4	Chlorobenzene-d5	214000

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043286.D
 Acq On : 24 Nov 2025 17:15
 Operator : SY/MD
 Sample : Q3696-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:42:44 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	108054	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	273893	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	213852	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	155789	9.938	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	2235	0.147	ppbv	95
4) Chloromethane	1.531	50	1475	0.259	ppbv	98
9) Propene	1.486	41	22248	3.496	ppbv #	1
11) Trichlorofluoromethane	1.874	101	5557	0.376	ppbv	99
13) Ethanol	1.719	45	4366	1.951	ppbv #	38
15) Acetone	1.832	43	169885	11.316	ppbv	99
17) tert-Butyl alcohol	2.033	59	922575	46.819	ppbv	99
19) Isopropyl Alcohol	1.881	45	19756	2.329	ppbv #	1
26) Hexane	2.823	57	3588	0.253	ppbv #	46
30) Cyclohexane	3.849	84	8784m	0.738	ppbv	
34) 2-Butanone	2.554	43	5298	0.274	ppbv	98
38) Trichloroethene	4.545	130	354m	0.034	ppbv	
52) Tetrachloroethene	8.212	164	56018	5.741	ppbv	91
53) Toluene	6.917	91	107585	3.464	ppbv	98
58) Ethyl Benzene	9.341	91	6269	0.152	ppbv	93
59) m/p-Xylene	9.519	91	14570	0.442	ppbv	100
60) o-Xylene	9.956	91	8900	0.270	ppbv	97
74) 1,2,4-Trimethylbenzene	11.526	105	8604	0.234	ppbv #	45

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

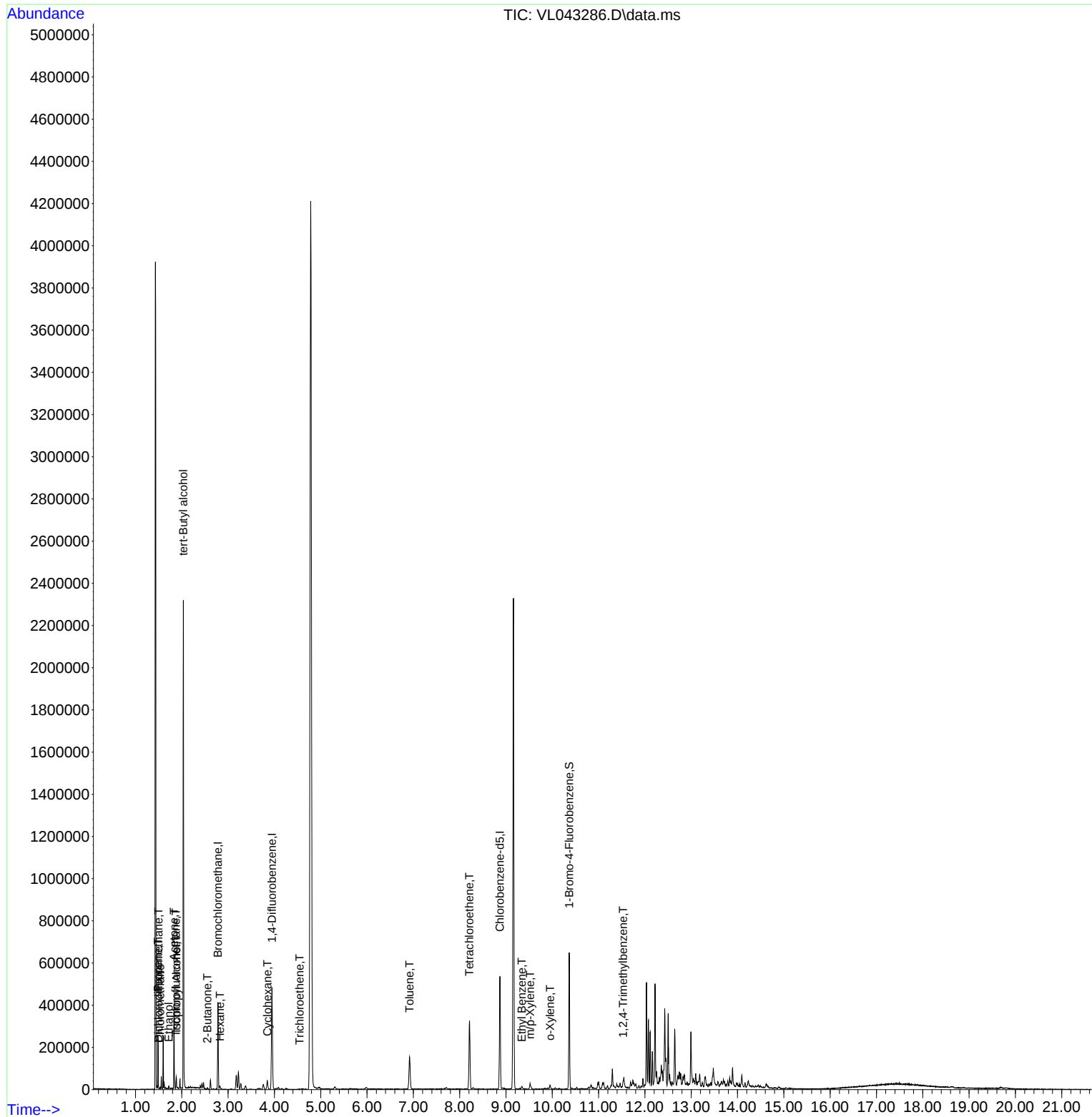
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043286.D
Acq On : 24 Nov 2025 17:15
Operator : SY/MD
Sample : Q3696-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

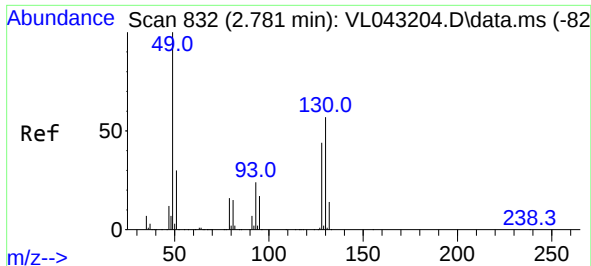
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Nov 24 23:42:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025





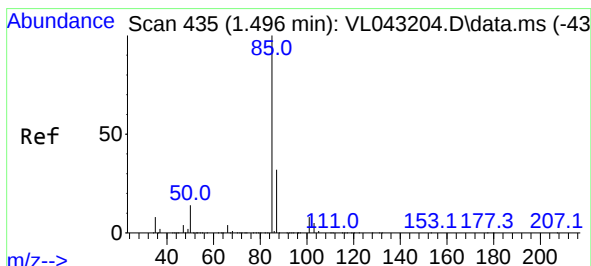
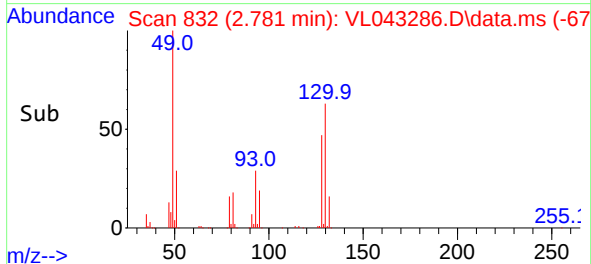
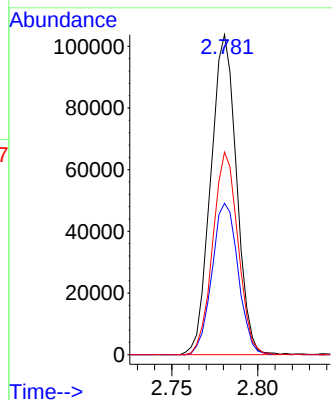
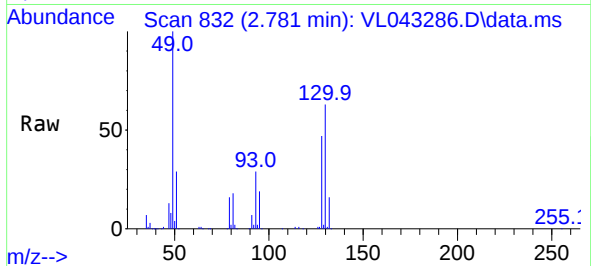
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 108054
Ion Ratio Lower Upper
49 100
128 48.1 23.0 69.0
130 62.1 29.9 89.7

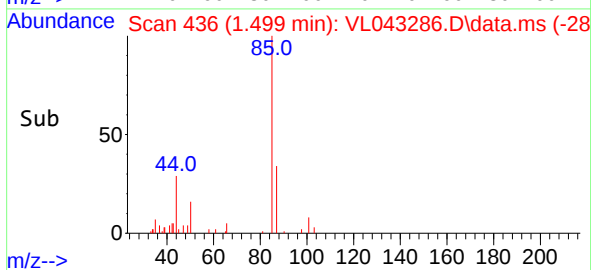
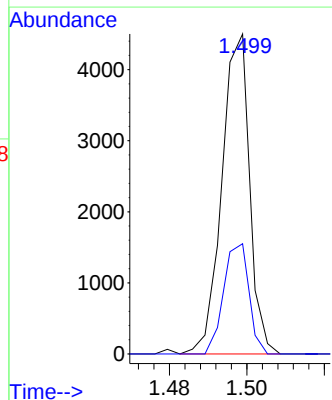
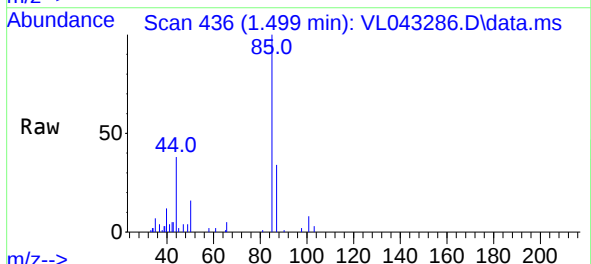
Manual Integrations
APPROVED

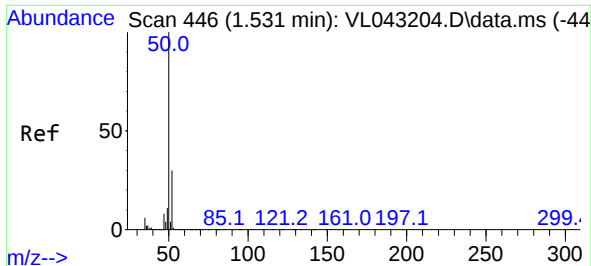
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#2
Dichlorodifluoromethane
Concen: 0.147 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

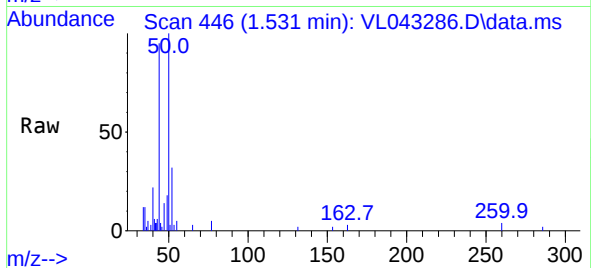
Tgt Ion: 85 Resp: 2235
Ion Ratio Lower Upper
85 100
87 34.5 25.4 38.2





#4
Chloromethane
Concen: 0.259 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

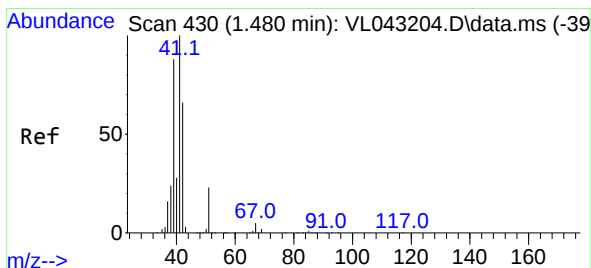
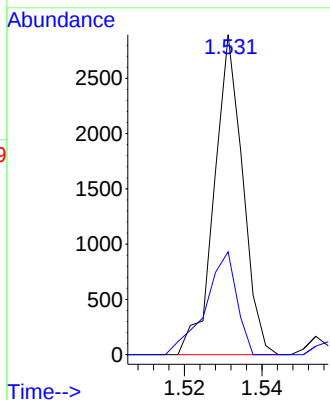
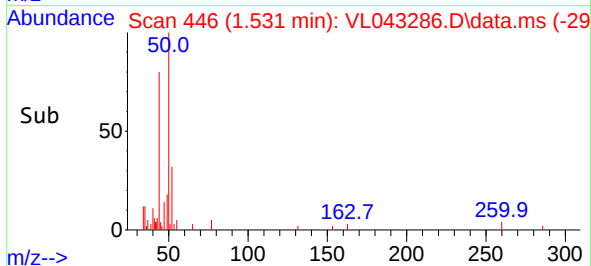
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 50 Resp: 1475
Ion Ratio Lower Upper
50 100
52 31.3 24.1 36.1

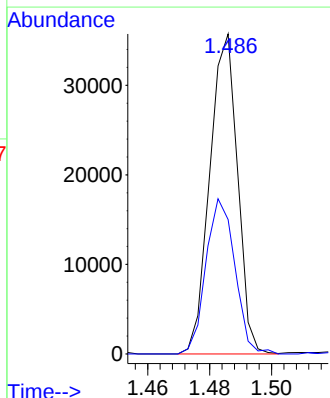
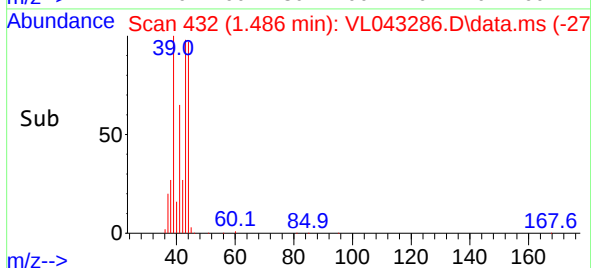
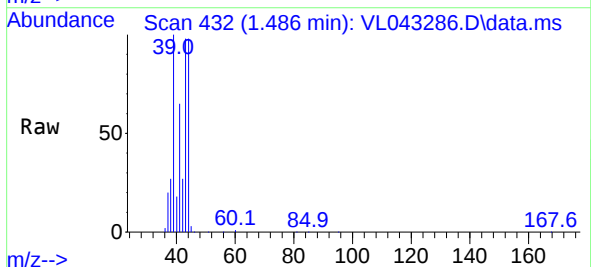
Manual Integrations
APPROVED

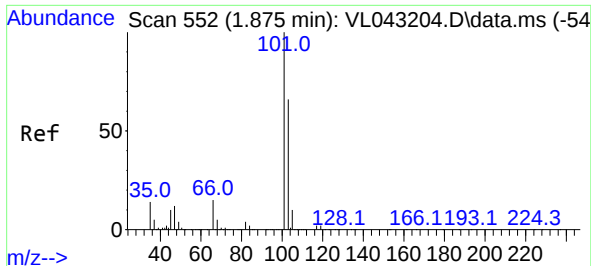
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#9
Propene
Concen: 3.496 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.006 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

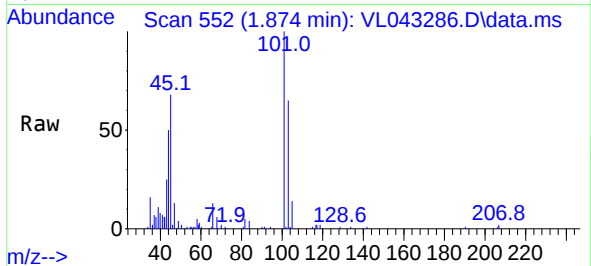
Tgt Ion: 41 Resp: 22248
Ion Ratio Lower Upper
41 100
42 53.2 3.7 5.5#





#11
Trichlorofluoromethane
Concen: 0.376 ppbv
RT: 1.874 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

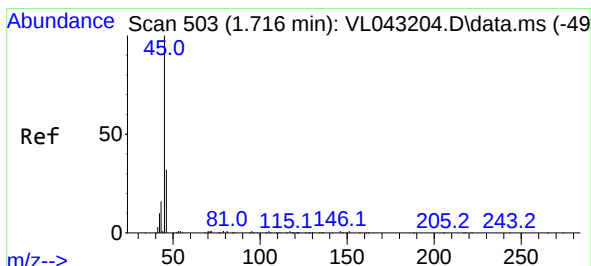
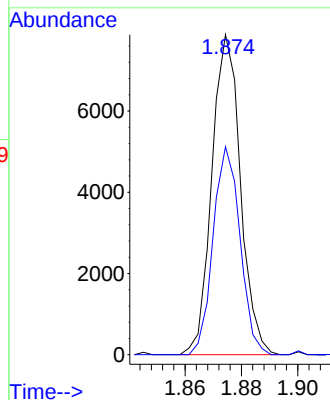
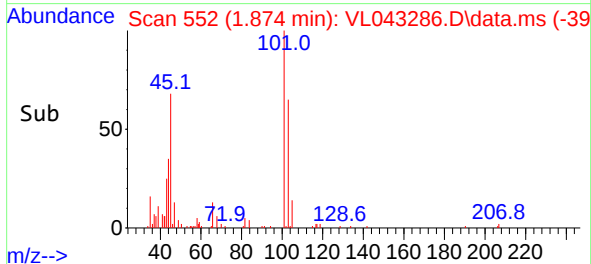
Instrument :
MSVOA_L
ClientSampleId :
SV1



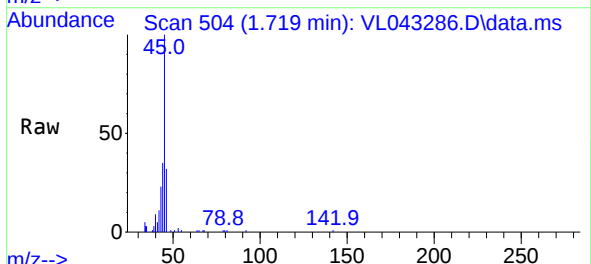
Tgt Ion:101 Resp: 555
Ion Ratio Lower Upper
101 100
103 65.0 52.6 79.0

Manual Integrations
APPROVED

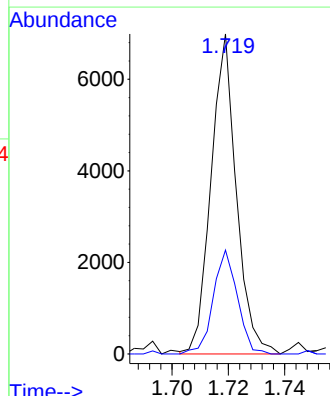
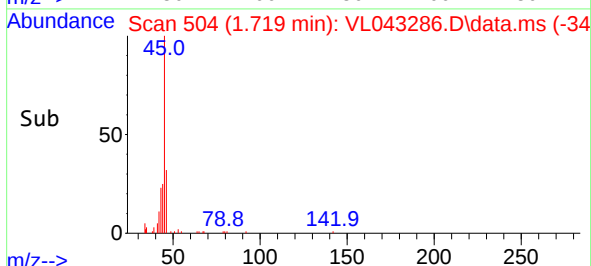
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

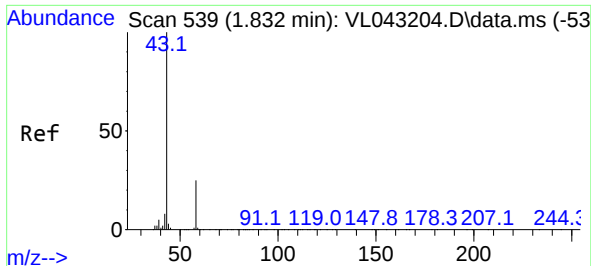


#13
Ethanol
Concen: 1.951 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15



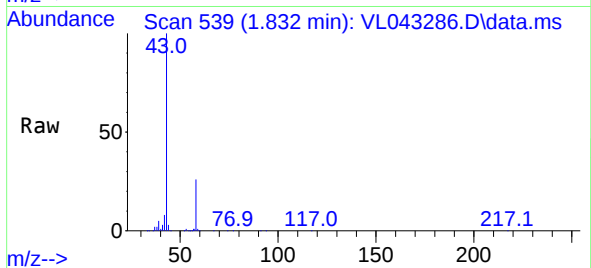
Tgt Ion: 45 Resp: 4366
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#





#15
Acetone
Concen: 11.316 ppbv
RT: 1.832 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

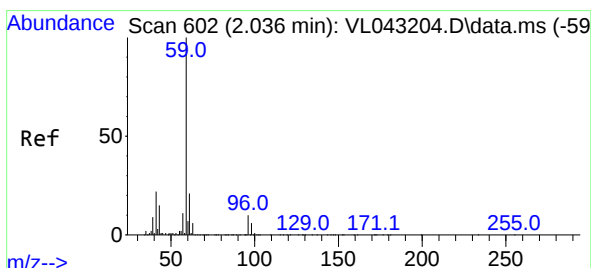
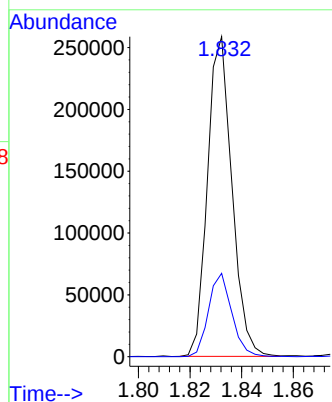
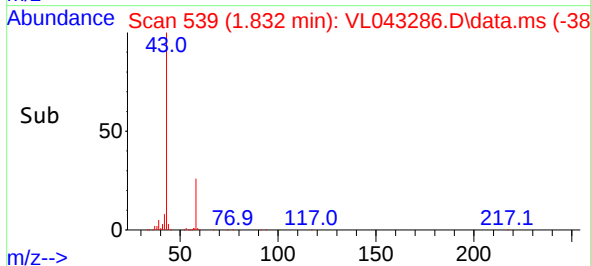
Instrument :
MSVOA_L
ClientSampleId :
SV1



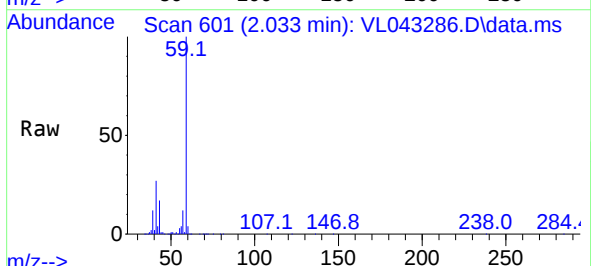
Tgt Ion: 43 Resp: 169885
Ion Ratio Lower Upper
43 100
58 25.2 20.7 31.1

Manual Integrations
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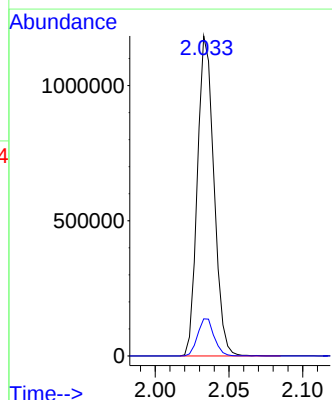
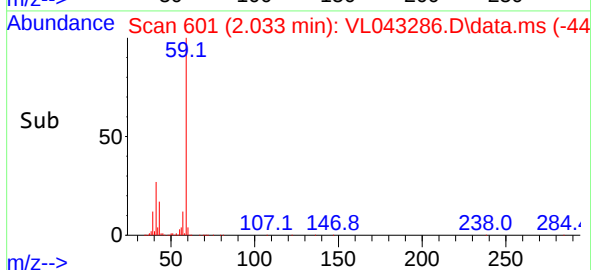
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

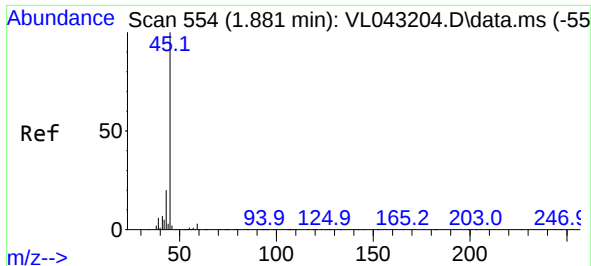


#17
tert-Butyl alcohol
Concen: 46.819 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15



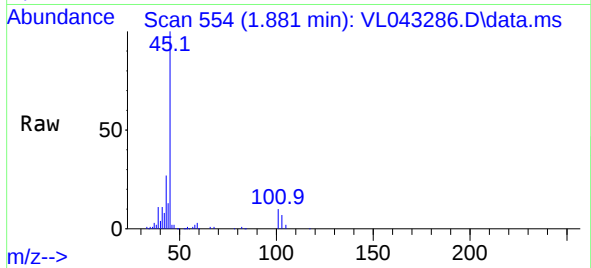
Tgt Ion: 59 Resp: 922575
Ion Ratio Lower Upper
59 100
57 11.6 9.0 13.4





#19
Isopropyl Alcohol
Concen: 2.329 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

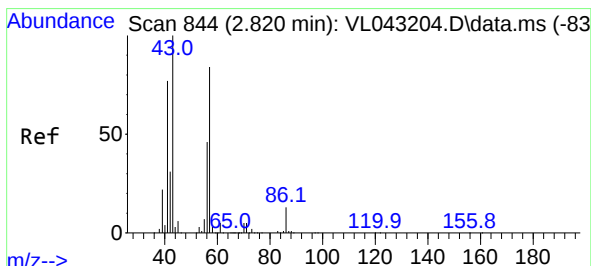
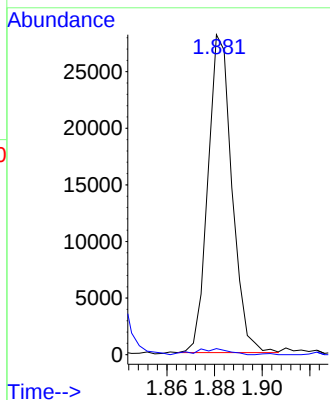
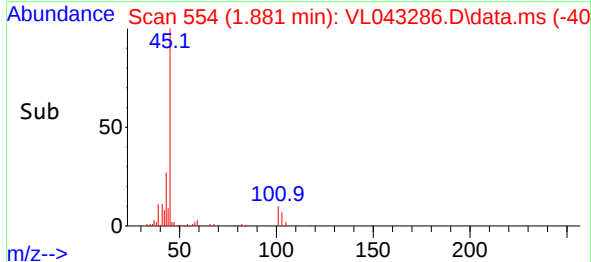
Instrument :
MSVOA_L
ClientSampleId :
SV1



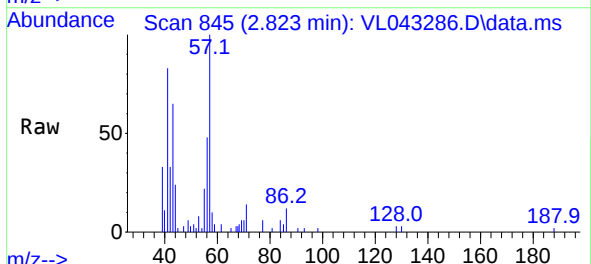
Tgt Ion: 45 Resp: 19750
Ion Ratio Lower Upper
45 100
58 217.0 31.3 46.9

Manual Integrations
APPROVED

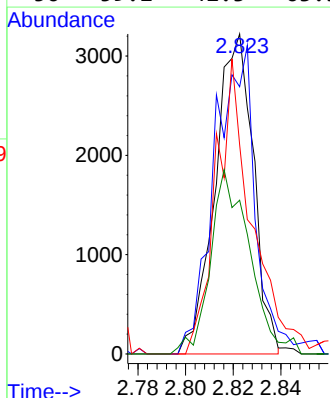
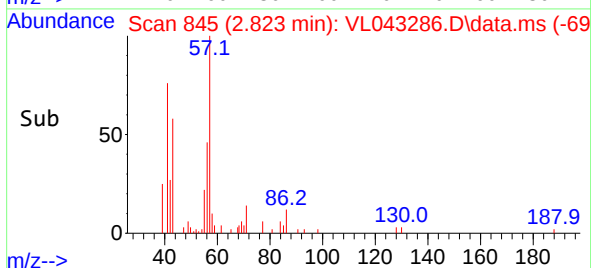
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

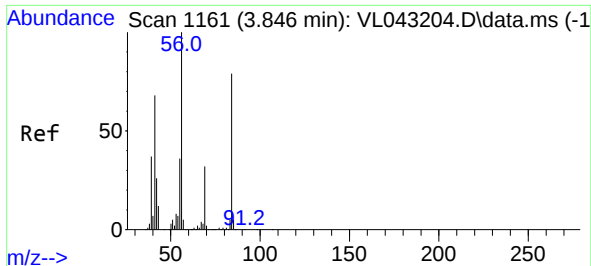


#26
Hexane
Concen: 0.253 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15



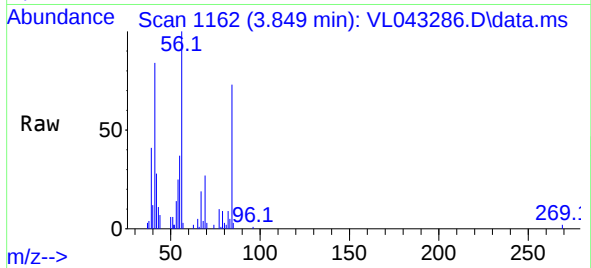
Tgt Ion: 57 Resp: 3588
Ion Ratio Lower Upper
57 100
41 105.4 74.6 111.8
43 89.5 179.0 268.4#
56 59.2 42.3 63.5





#30
Cyclohexane
Concen: 0.738 ppbv m
RT: 3.849 min Scan# 1161
Delta R.T. 0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

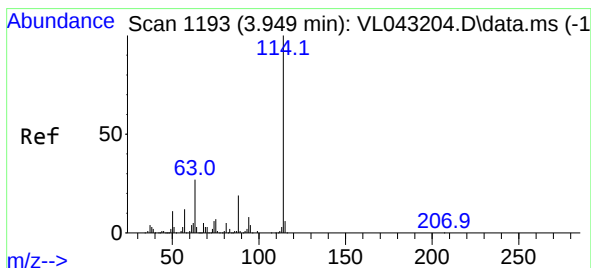
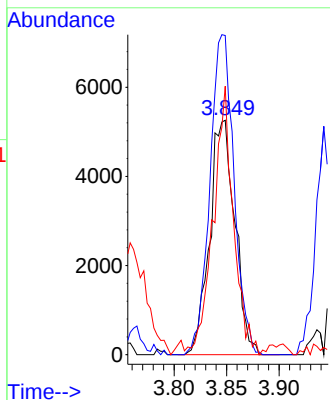
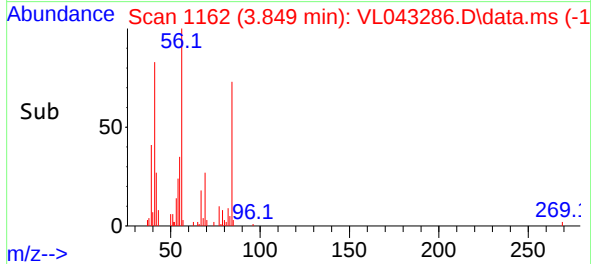
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 8784
Ion Ratio Lower Upper
84 100
56 130.9 104.7 157.1
41 95.3 69.0 103.6

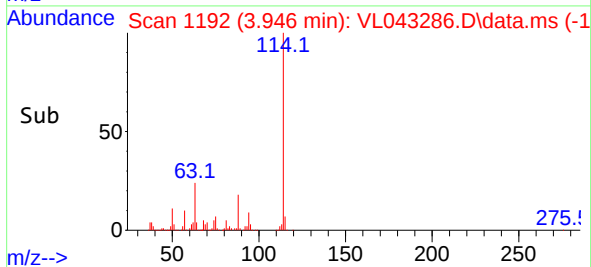
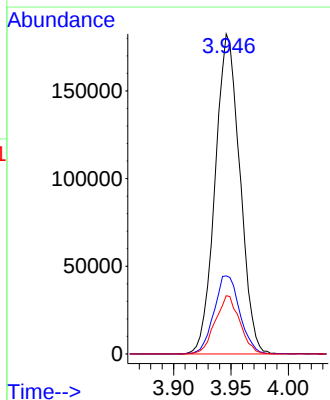
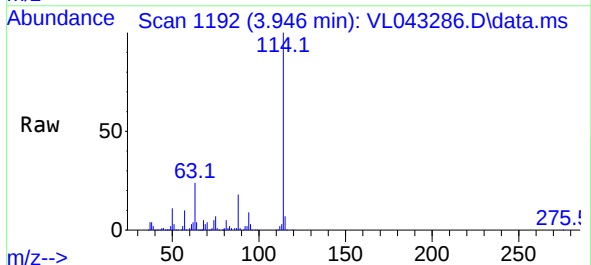
Manual Integrations
APPROVED

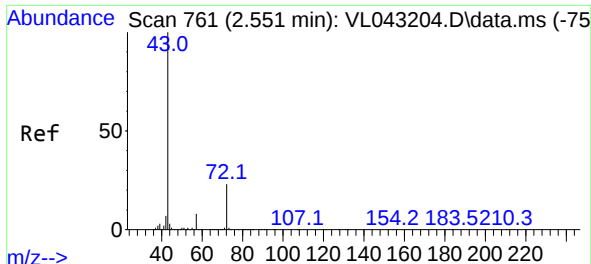
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

Tgt Ion:114 Resp: 273893
Ion Ratio Lower Upper
114 100
63 25.5 21.0 31.6
88 18.0 14.9 22.3





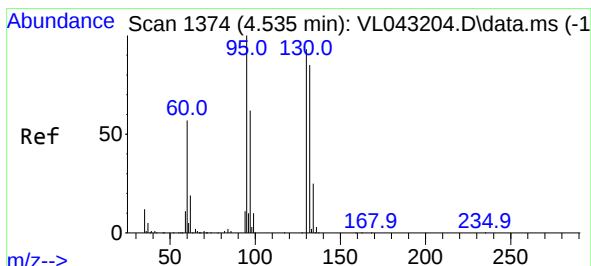
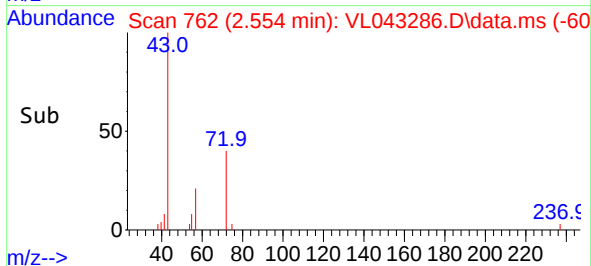
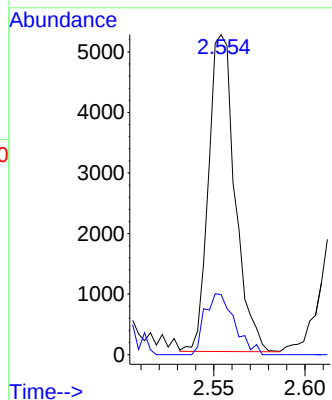
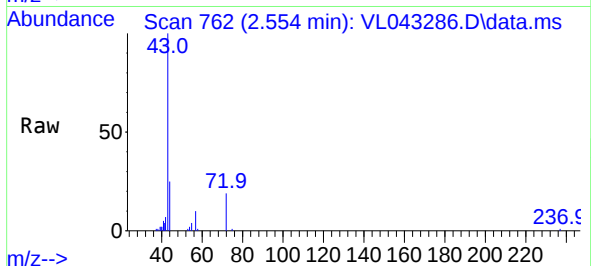
#34
2-Butanone
Concen: 0.274 ppbv
RT: 2.554 min Scan# 761
Delta R.T. 0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 5298
Ion Ratio Lower Upper
43 100
72 21.6 18.1 27.1

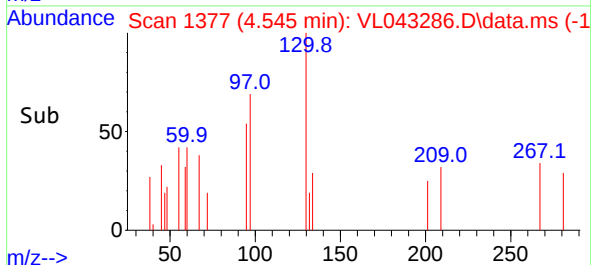
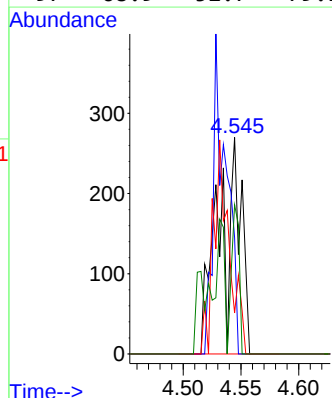
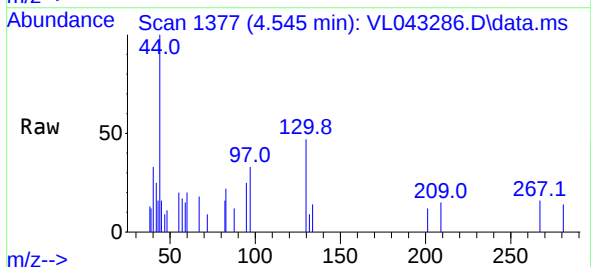
Manual Integrations
APPROVED

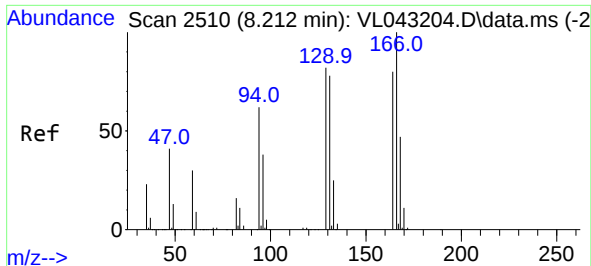
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#38
Trichloroethene
Concen: 0.034 ppbv m
RT: 4.545 min Scan# 1377
Delta R.T. 0.010 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

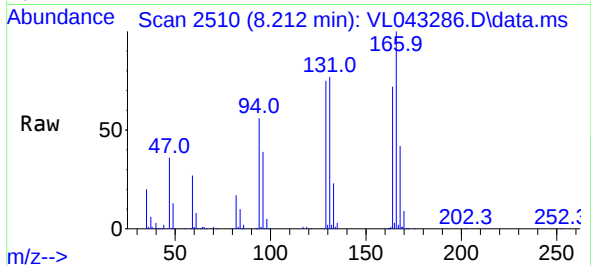
Tgt Ion:130 Resp: 354
Ion Ratio Lower Upper
130 100
95 53.7 85.7 128.5#
132 18.9 73.4 110.0#
97 68.9 52.7 79.1





#52
Tetrachloroethene
Concen: 5.741 ppbv
RT: 8.212 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

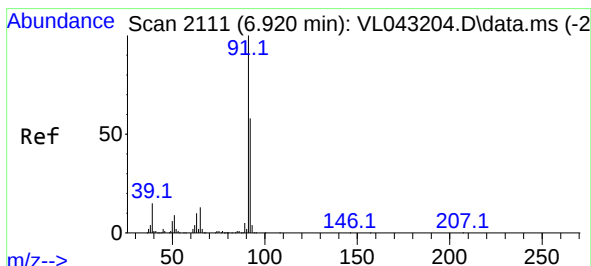
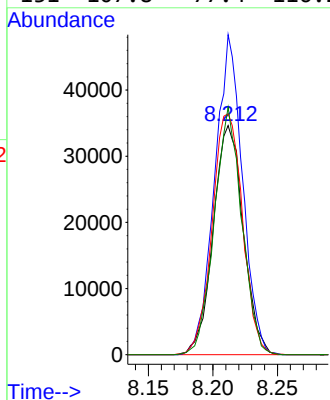
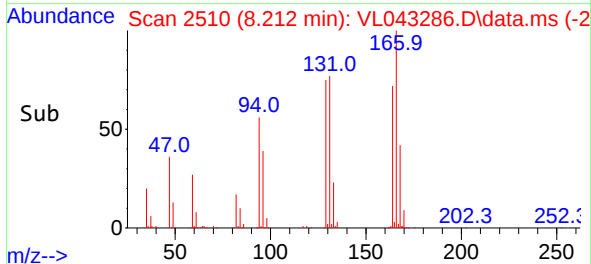
Instrument :
MSVOA_L
ClientSampleId :
SV1



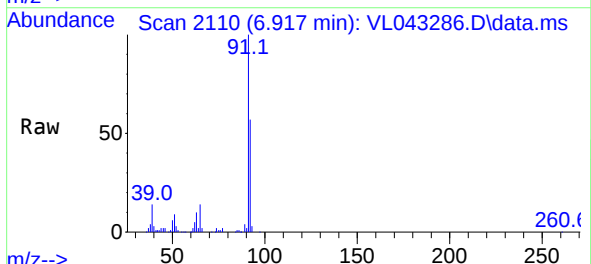
Tgt Ion:164 Resp: 56018
Ion Ratio Lower Upper
164 100
166 139.7 99.4 149.2
129 105.0 81.8 122.8
131 107.8 77.4 116.2

Manual Integrations
APPROVED

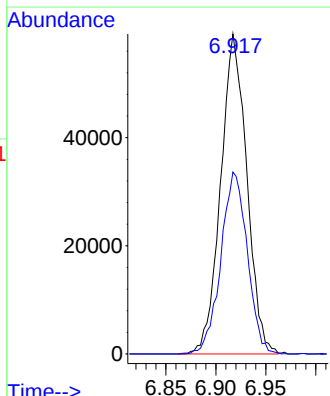
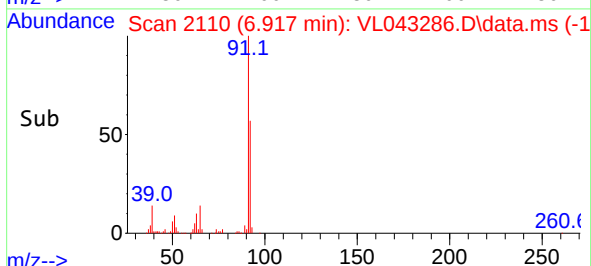
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

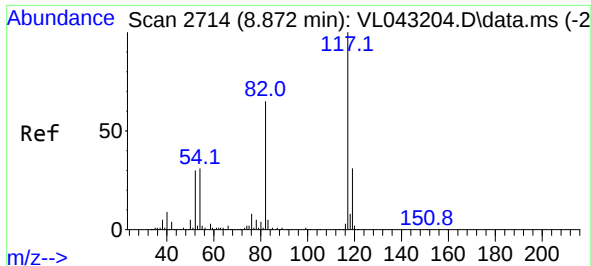


#53
Toluene
Concen: 3.464 ppbv
RT: 6.917 min Scan# 2110
Delta R.T. -0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15



Tgt Ion: 91 Resp: 107585
Ion Ratio Lower Upper
91 100
92 57.5 47.4 71.0





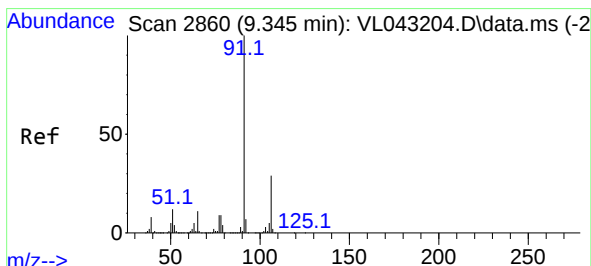
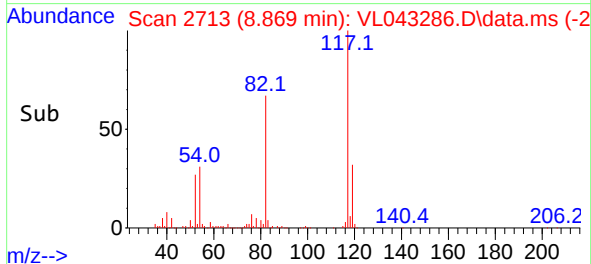
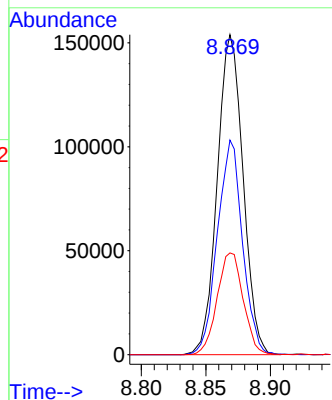
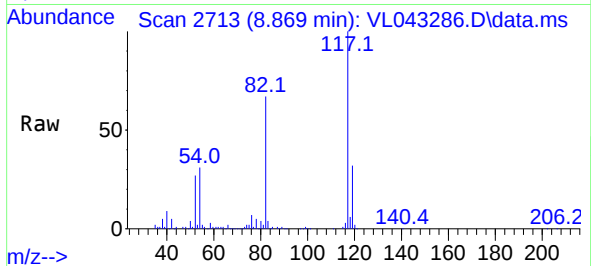
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21385
Delta R.T. -0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:117 Resp: 21385
Ion Ratio Lower Upper
117 100
82 65.3 56.1 84.1
119 32.1 25.0 37.6

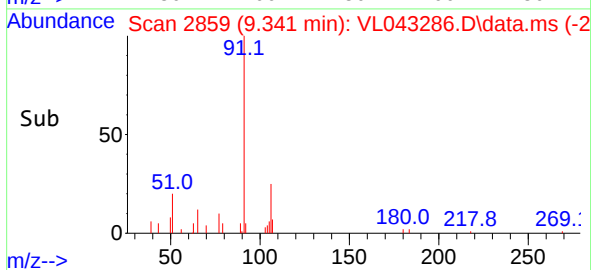
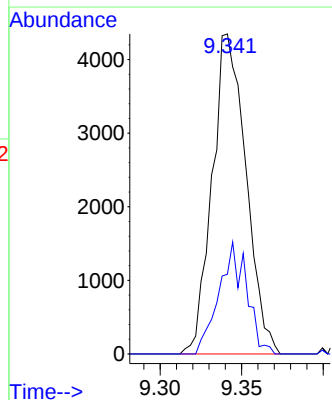
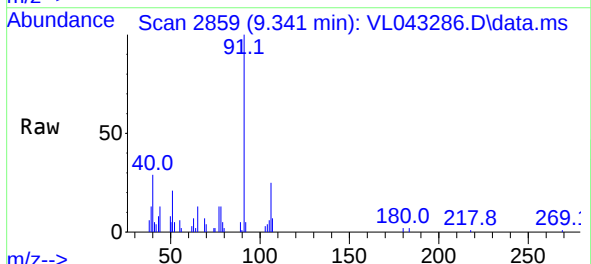
Manual Integrations
APPROVED

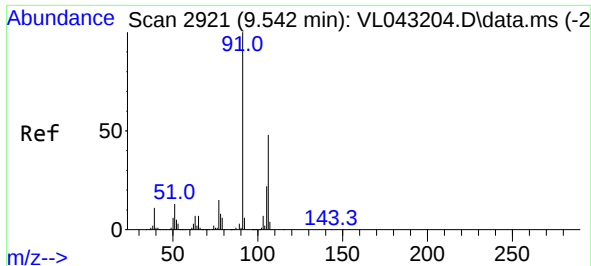
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#58
Ethyl Benzene
Concen: 0.152 ppbv
RT: 9.341 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

Tgt Ion: 91 Resp: 6269
Ion Ratio Lower Upper
91 100
106 24.9 22.8 34.2





#59

m/p-Xylene

Concen: 0.442 ppbv

RT: 9.519 min Scan# 2914

Delta R.T. -0.023 min

Lab File: VL043286.D

Acq: 24 Nov 2025 17:15

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 14570

Ion Ratio Lower Upper

91 100

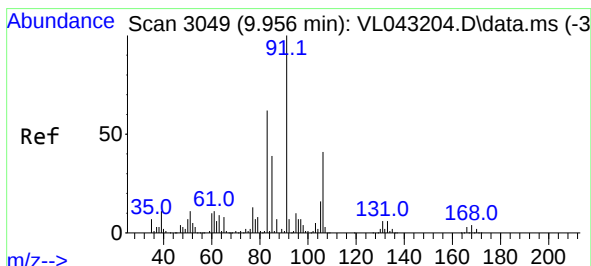
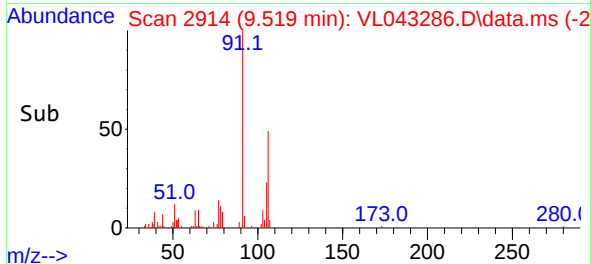
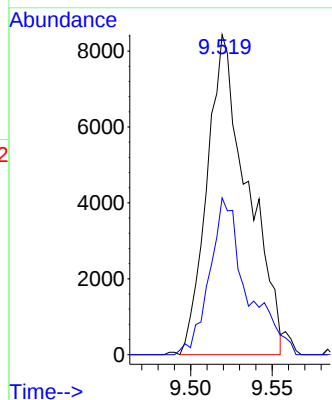
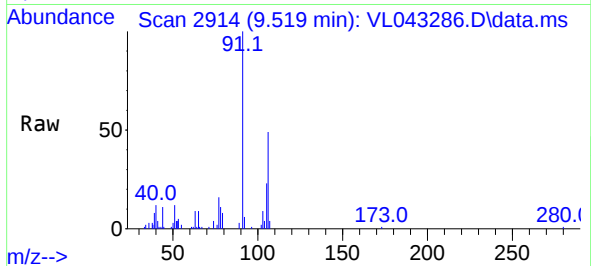
106 45.0 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025

Supervised By :Mahesh Dadoda 11/25/2025



#60

o-Xylene

Concen: 0.270 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL043286.D

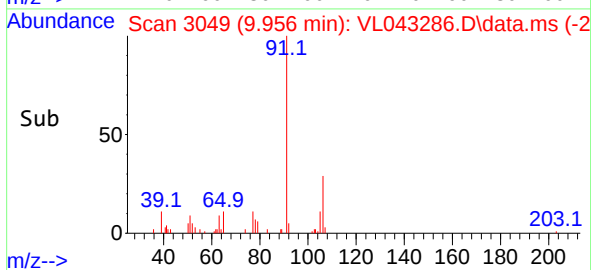
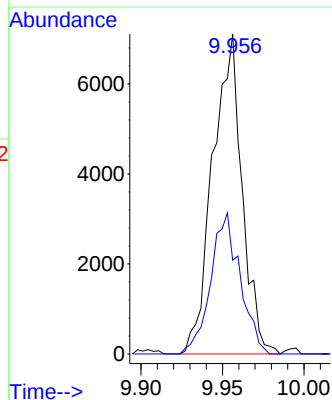
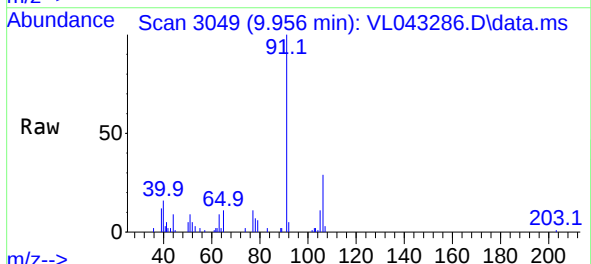
Acq: 24 Nov 2025 17:15

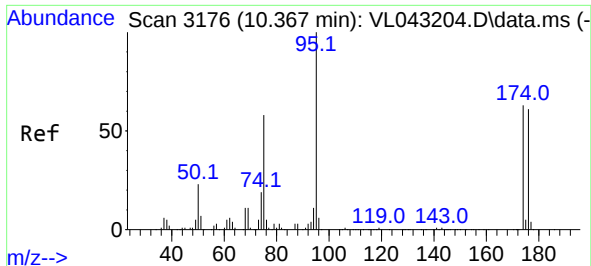
Tgt Ion: 91 Resp: 8900

Ion Ratio Lower Upper

91 100

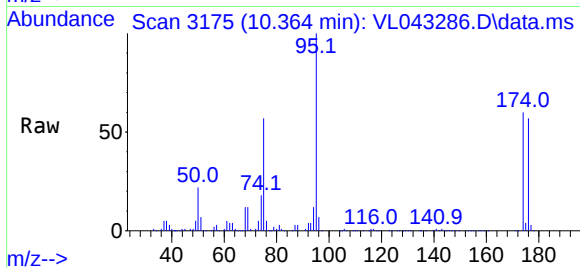
106 44.0 20.9 62.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.938 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15

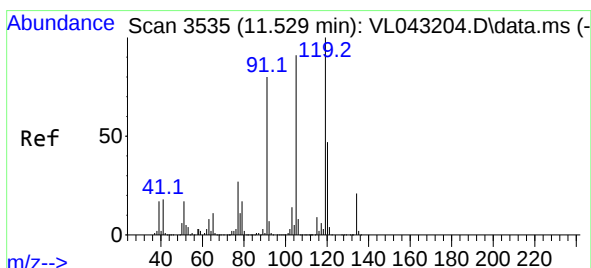
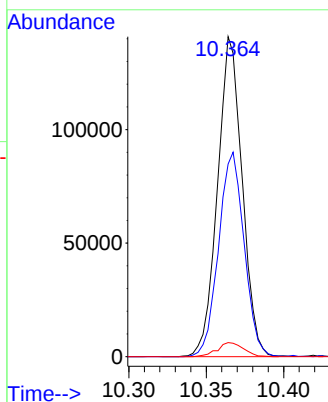
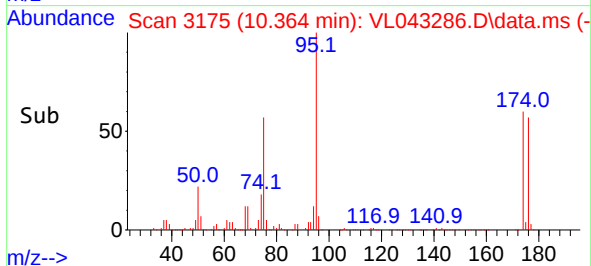
Instrument :
MSVOA_L
ClientSampleId :
SV1



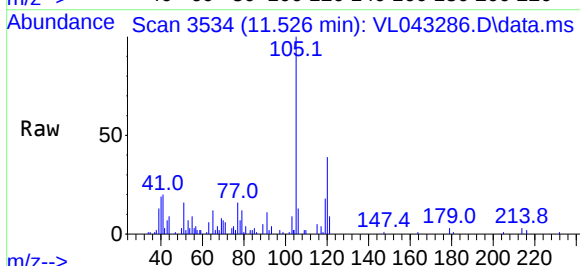
Tgt Ion: 95 Resp: 155789
Ion Ratio Lower Upper
95 100
174 66.7 50.2 75.2
175 4.7 4.1 6.1

Manual Integrations
APPROVED

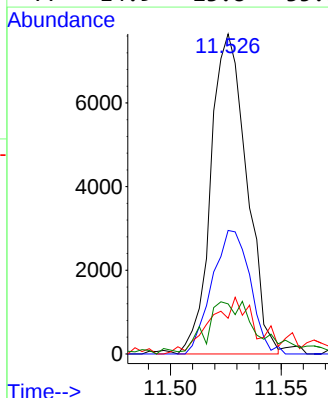
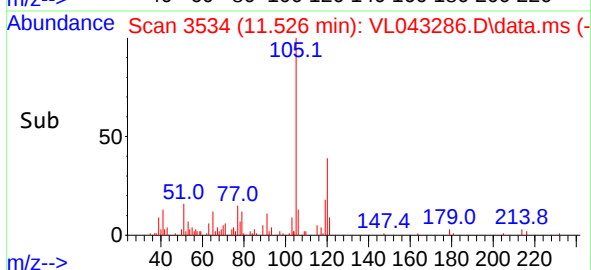
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.234 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL043286.D
Acq: 24 Nov 2025 17:15



Tgt Ion:105 Resp: 8604
Ion Ratio Lower Upper
105 100
120 38.6 41.7 62.5#
91 8.9 70.0 105.0#
77 14.9 23.8 35.8#



Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: IA1
Lab Sample ID: Q3696-02
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected: 11/19/25
Date Received: 11/20/25
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/24/25 14:26	VL112425
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	11/24/25 14:26	VL112425
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/24/25 14:26	VL112425
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/24/25 14:26	VL112425
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/24/25 14:26	VL112425
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/24/25 14:26	VL112425
540-84-1	2,2,4-Trimethylpentane	0.27	1.26	J	1	0.65	2.34	11/24/25 14:26	VL112425
71-43-2	Benzene	0.38	1.21	J	1	0.26	1.60	11/24/25 14:26	VL112425
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/24/25 14:26	VL112425
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/24/25 14:26	VL112425
108-88-3	Toluene	0.49	1.85	J	1	0.60	1.88	11/24/25 14:26	VL112425
127-18-4	Tetrachloroethene	0.13	0.88		1	0.14	0.20	11/24/25 14:26	VL112425
179601-23-1	m/p-Xylene	0.63	2.74	J	1	1.78	4.34	11/24/25 14:26	VL112425
95-47-6	o-Xylene	0.21	0.91	J	1	0.91	2.17	11/24/25 14:26	VL112425
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 14:26	VL112425
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 14:26	VL112425
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52	11/24/25 14:26	VL112425
110-54-3	Hexane	0.68	2.40		1	0.56	1.76	11/24/25 14:26	VL112425

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	10.0		65 - 135	100% SPK: 10
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INTERNAL STANDARDS

	Area Count	
74-97-5	Bromochloromethane	107000
540-36-3	1,4-Difluorobenzene	286000
3114-55-4	Chlorobenzene-d5	214000

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043281.D
 Acq On : 24 Nov 2025 14:26
 Operator : SY/MD
 Sample : Q3696-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:40:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	107070	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	286434	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	213639	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	156431	9.989	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	8110	0.537	ppbv	100
3) Chlorodifluoromethane	1.470	51	4263m	0.287	ppbv	
4) Chloromethane	1.531	50	3550	0.629	ppbv	97
9) Propene	1.486	41	8650	1.372	ppbv #	1
10) Heptane	4.969	43	2495m	0.133	ppbv	
11) Trichlorofluoromethane	1.878	101	4727m	0.323	ppbv	
13) Ethanol	1.719	45	45204	20.384	ppbv	100
15) Acetone	1.836	43	72977	4.906	ppbv	93
19) Isopropyl Alcohol	1.884	45	17025	2.025	ppbv #	8
20) Methylene Chloride	2.062	84	7532	1.013	ppbv #	84
26) Hexane	2.823	57	9567	0.680	ppbv #	68
30) Cyclohexane	3.849	84	1664m	0.141	ppbv	
34) 2-Butanone	2.557	43	10274	0.508	ppbv	93
35) Carbon Tetrachloride	3.755	117	1876m	0.086	ppbv	
36) Benzene	3.651	78	10334	0.377	ppbv	96
41) Tetrahydrofuran	3.056	42	4214m	0.377	ppbv	
44) 2,2,4-Trimethylpentane	4.635	57	12506	0.265	ppbv #	85
52) Tetrachloroethene	8.212	164	1283m	0.126	ppbv	
53) Toluene	6.927	91	16036m	0.494	ppbv	
58) Ethyl Benzene	9.348	91	7478	0.182	ppbv	96
59) m/p-Xylene	9.526	91	20727	0.629	ppbv	99
60) o-Xylene	9.953	91	6764	0.205	ppbv	96
74) 1,2,4-Trimethylbenzene	11.526	105	5120	0.139	ppbv #	52

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

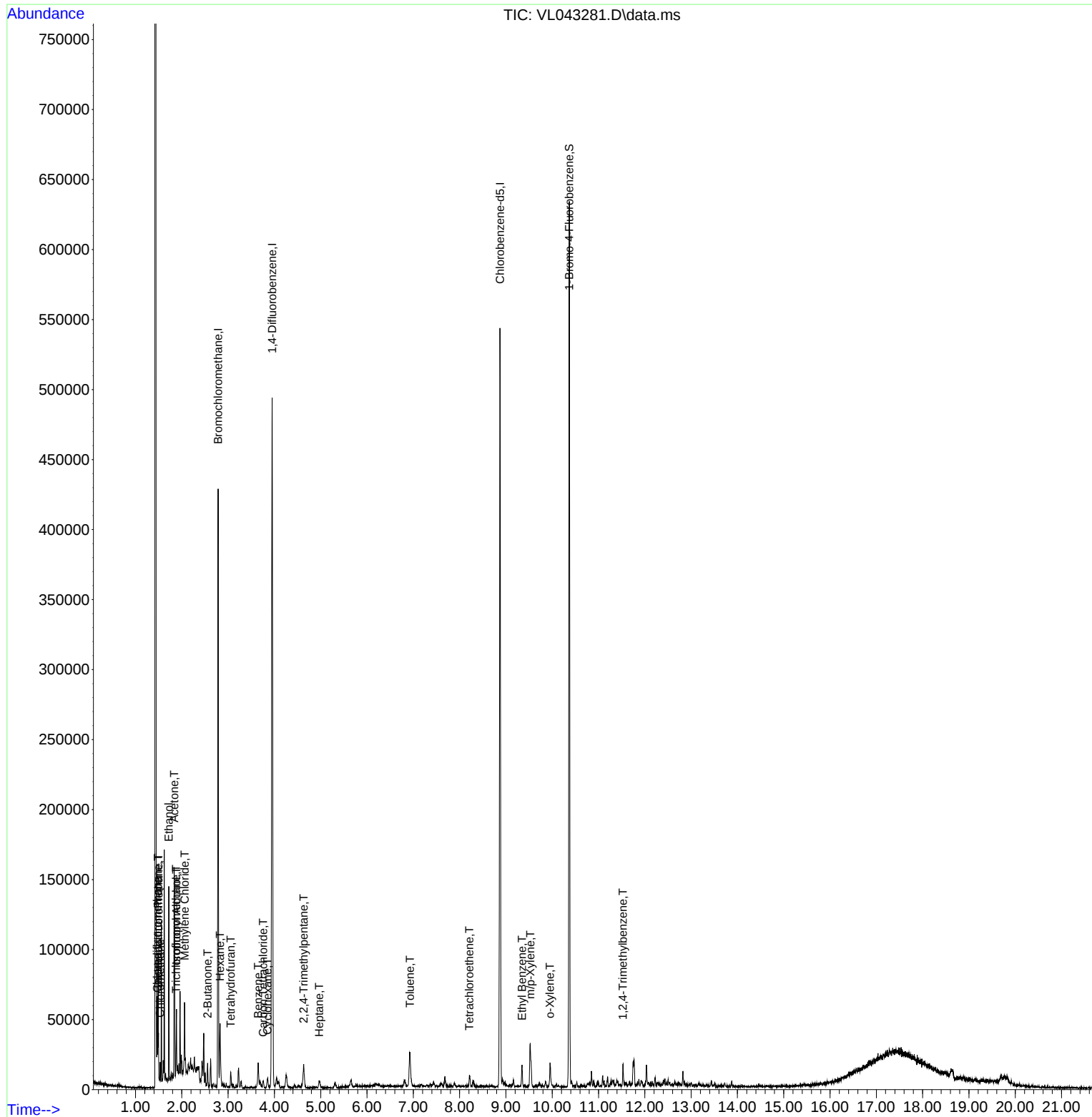
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Data File : VL043281.D
Acq On : 24 Nov 2025 14:26
Operator : SY/MD
Sample : Q3696-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

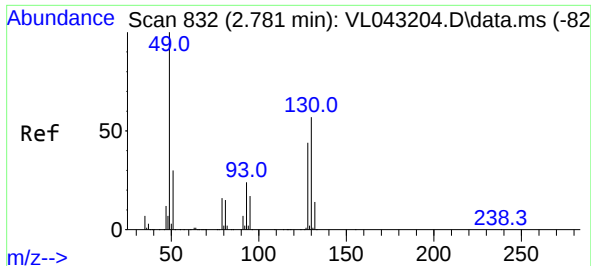
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Nov 24 23:40:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

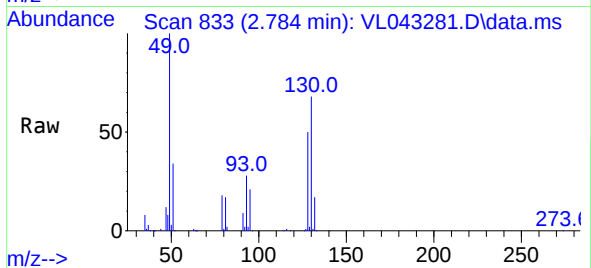
Reviewed By : Semsettin Yesilyurt 11/25/2025
Supervised By : Mahesh Dadoda 11/25/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

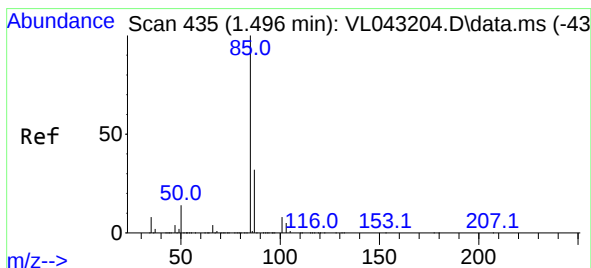
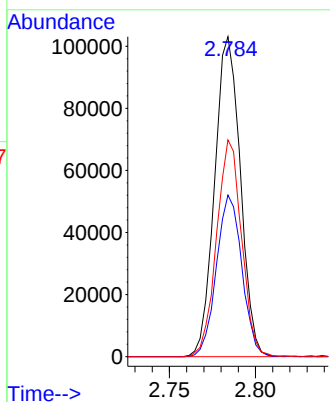
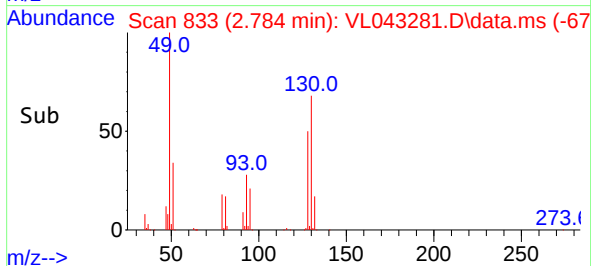
Instrument :
MSVOA_L
ClientSampleId :
IA1



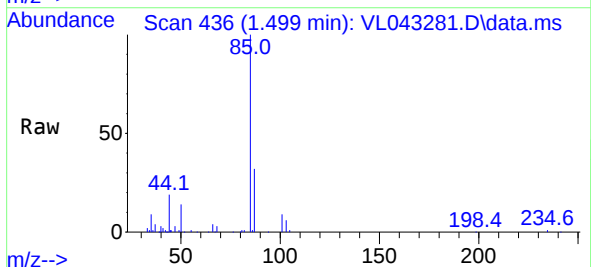
Tgt Ion: 49 Resp: 107070
Ion Ratio Lower Upper
49 100
128 50.1 23.0 69.0
130 65.9 29.9 89.7

Manual Integrations
APPROVED

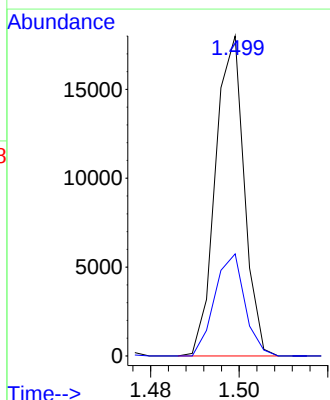
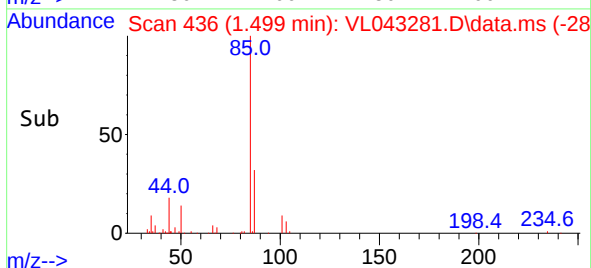
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

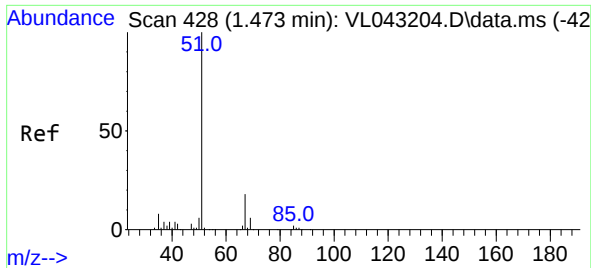


#2
Dichlorodifluoromethane
Concen: 0.537 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26



Tgt Ion: 85 Resp: 8110
Ion Ratio Lower Upper
85 100
87 31.9 25.4 38.2





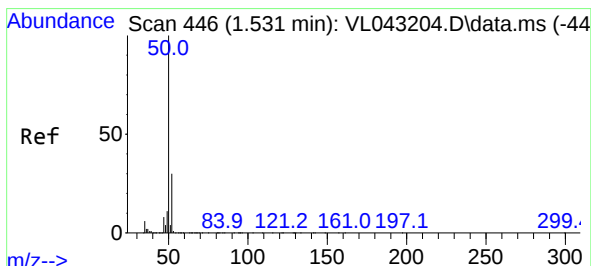
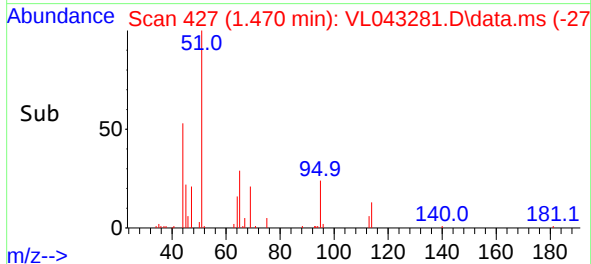
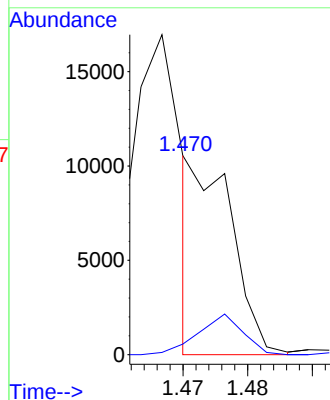
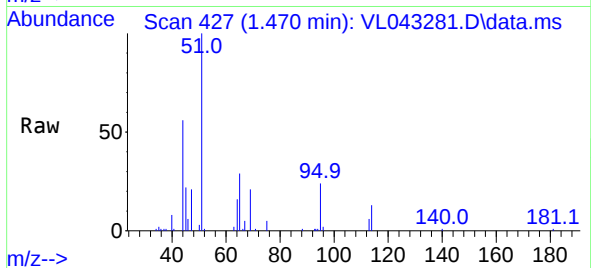
#3
Chlorodifluoromethane
Concen: 0.287 ppbv m
RT: 1.470 min Scan# 426
Delta R.T. -0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 426
Ion Ratio Lower Upper
51 100
67 2.9 14.9 22.3

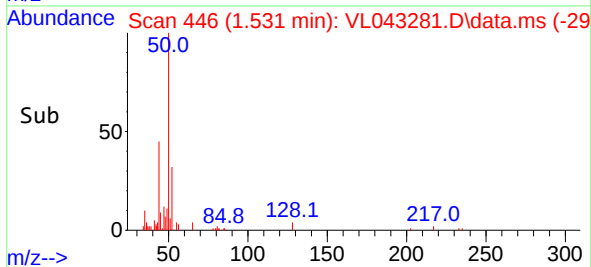
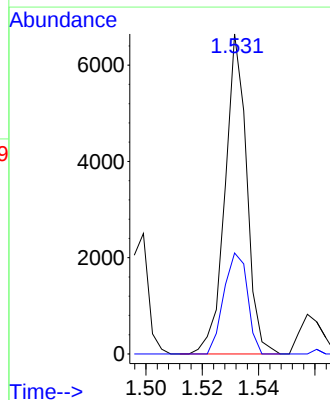
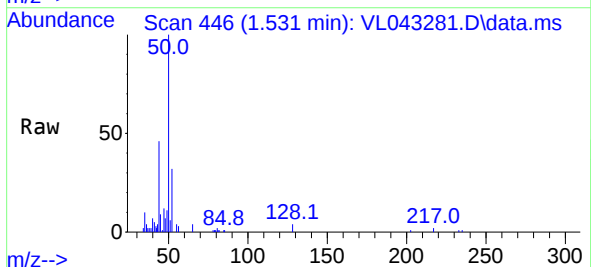
Manual Integrations
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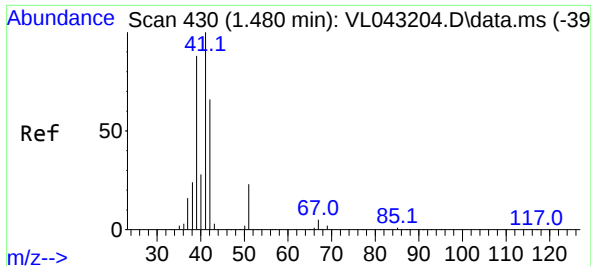
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#4
Chloromethane
Concen: 0.629 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

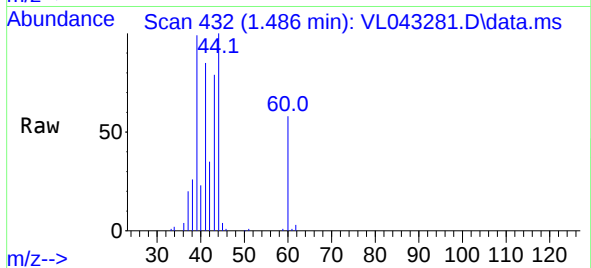
Tgt Ion: 50 Resp: 3550
Ion Ratio Lower Upper
50 100
52 31.6 24.1 36.1





#9
 Propene
 Concen: 1.372 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL043281.D
 Acq: 24 Nov 2025 14:26

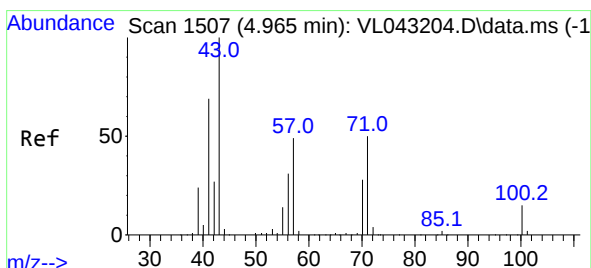
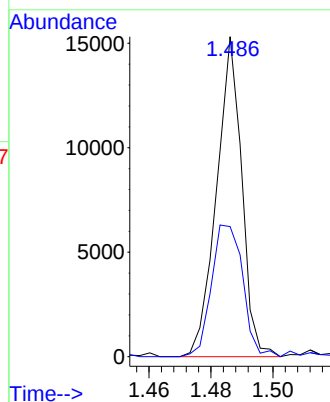
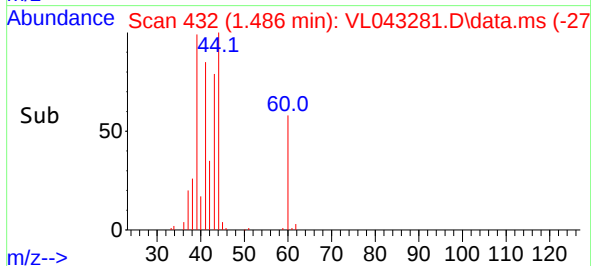
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 41 Resp: 8650
 Ion Ratio Lower Upper
 41 100
 42 53.6 3.7 5.5

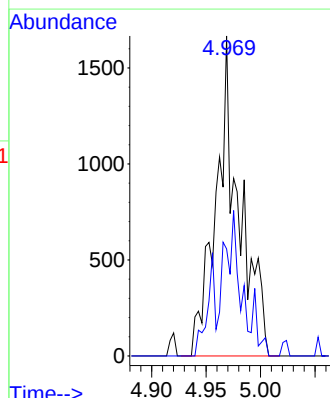
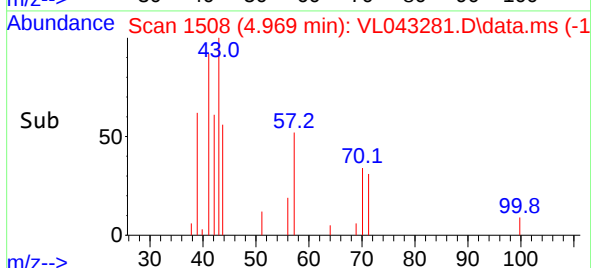
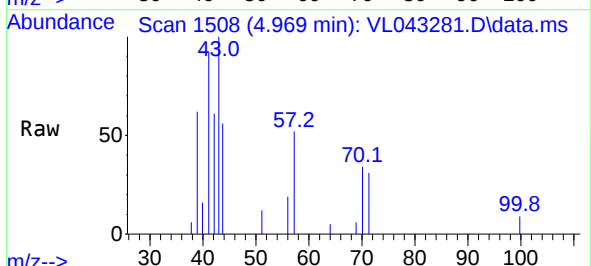
Manual Integrations
 APPROVED

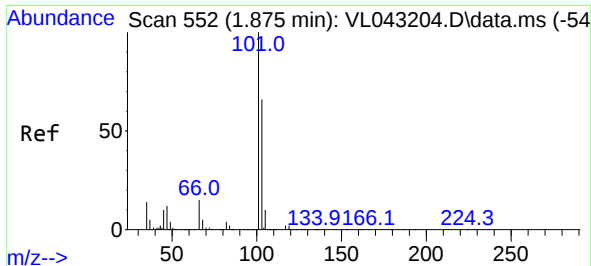
Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025



#10
 Heptane
 Concen: 0.133 ppbv m
 RT: 4.969 min Scan# 1508
 Delta R.T. 0.003 min
 Lab File: VL043281.D
 Acq: 24 Nov 2025 14:26

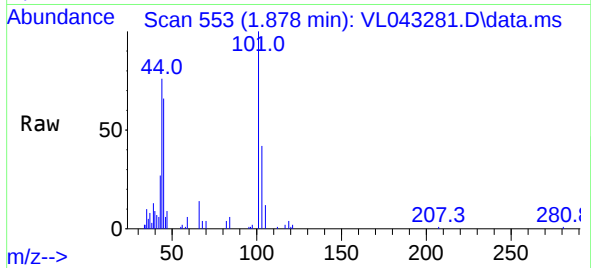
Tgt Ion: 43 Resp: 2495
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.7 59.5





#11
Trichlorofluoromethane
Concen: 0.323 ppbv m
RT: 1.878 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

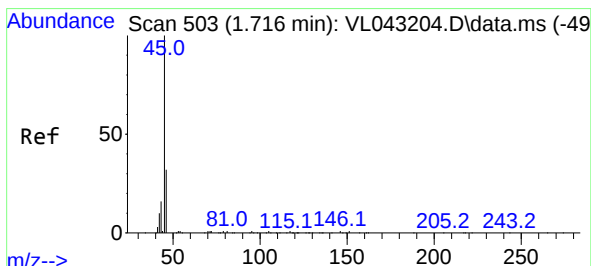
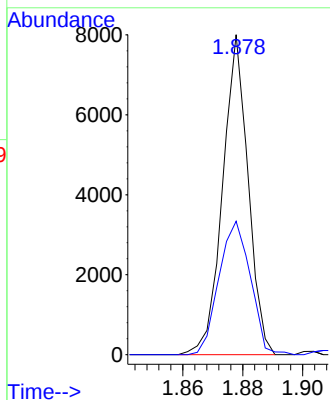
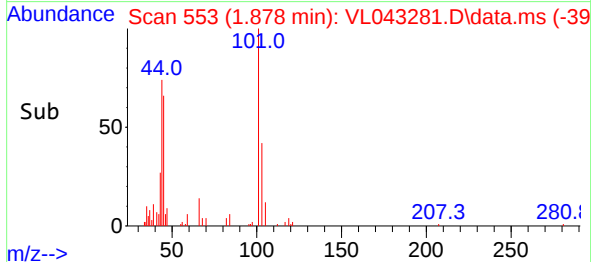
Instrument :
MSVOA_L
ClientSampleId :
IA1



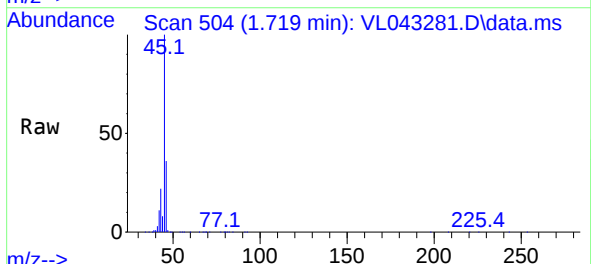
Tgt Ion:101 Resp: 472
Ion Ratio Lower Upper
101 100
103 41.7 52.6 79.0

Manual Integrations
APPROVED

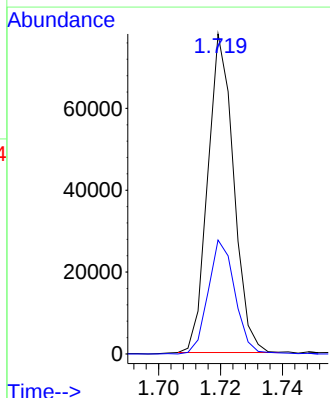
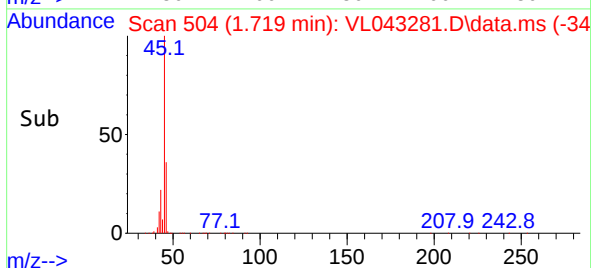
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

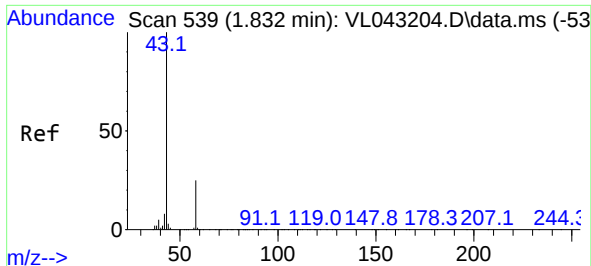


#13
Ethanol
Concen: 20.384 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26



Tgt Ion: 45 Resp: 45204
Ion Ratio Lower Upper
45 100
46 37.2 15.0 59.8





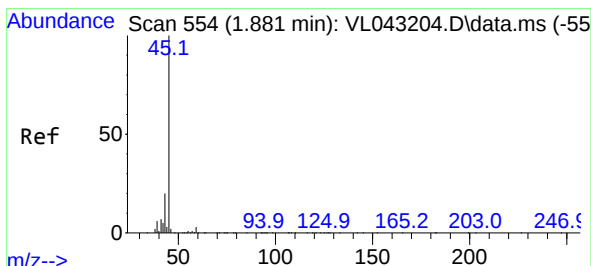
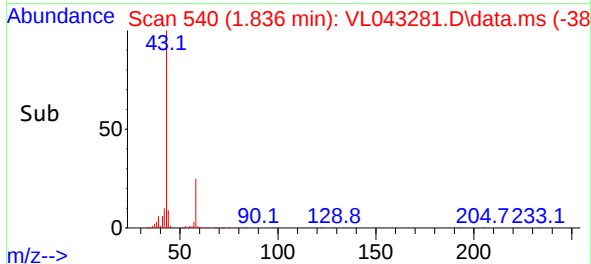
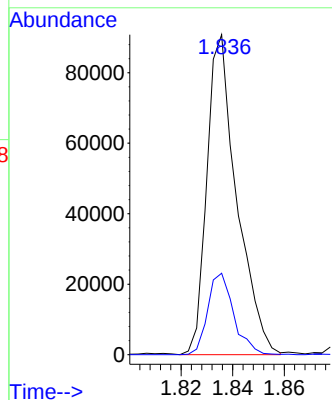
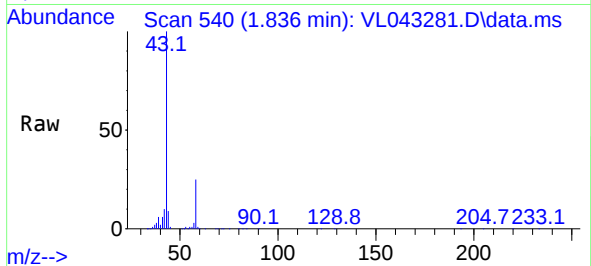
#15
Acetone
Concen: 4.906 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 7297
Ion Ratio Lower Upper
43 100
58 22.2 20.7 31.1

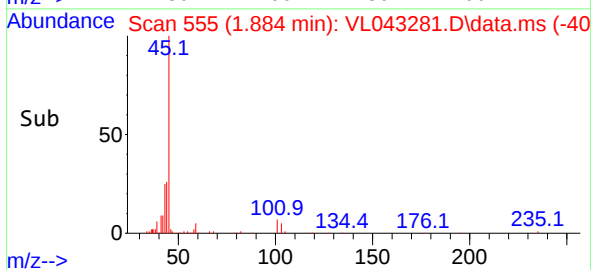
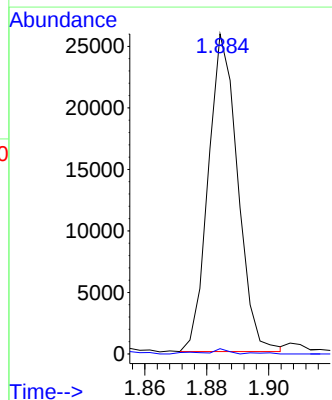
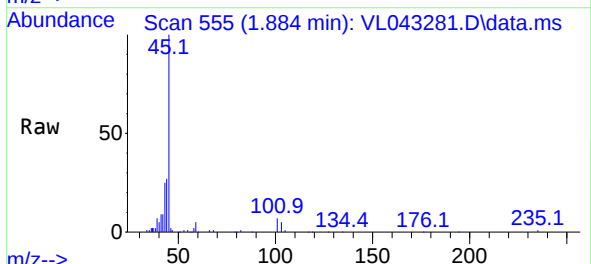
Manual Integrations
APPROVED

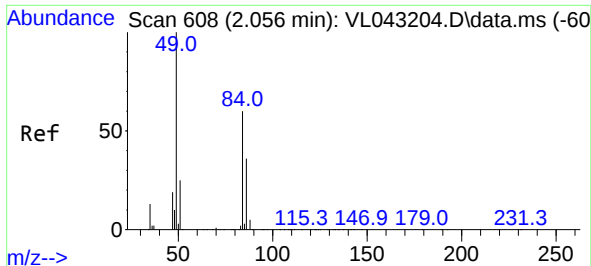
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#19
Isopropyl Alcohol
Concen: 2.025 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

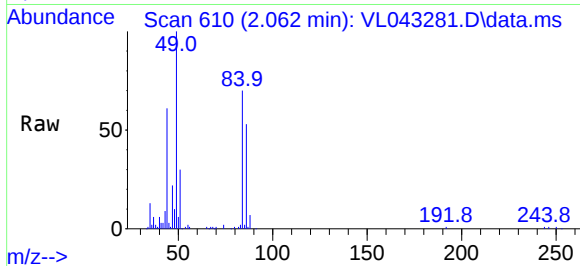
Tgt Ion: 45 Resp: 17025
Ion Ratio Lower Upper
45 100
58 95.1 31.3 46.9#





#20
Methylene Chloride
Concen: 1.013 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

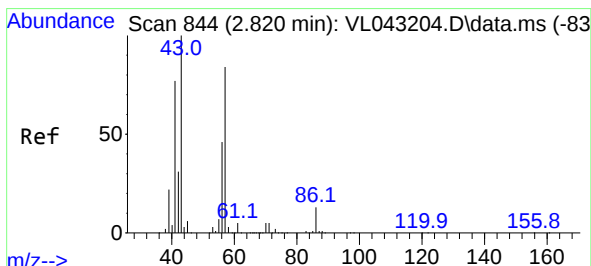
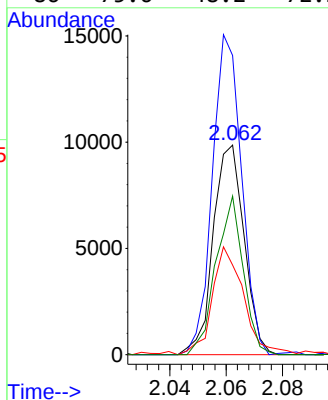
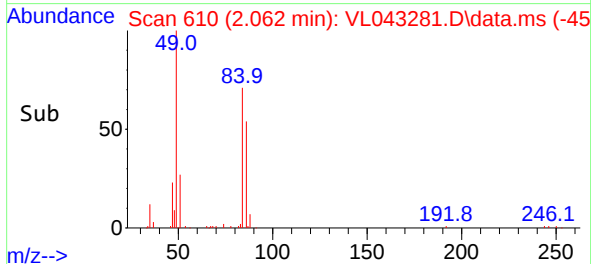
Instrument :
MSVOA_L
ClientSampleId :
IA1



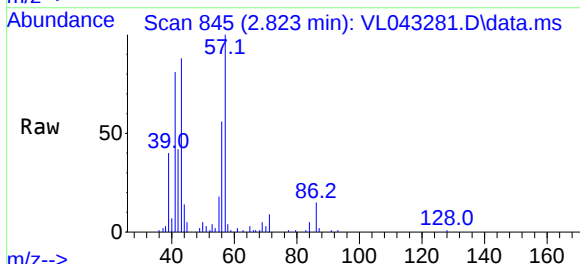
Tgt Ion: 84 Resp: 7531
Ion Ratio Lower Upper
84 100
49 142.7 132.9 199.3
51 42.2 34.8 52.2
86 75.6 48.2 72.2#

Manual Integrations
APPROVED

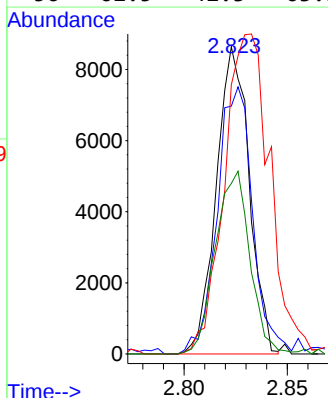
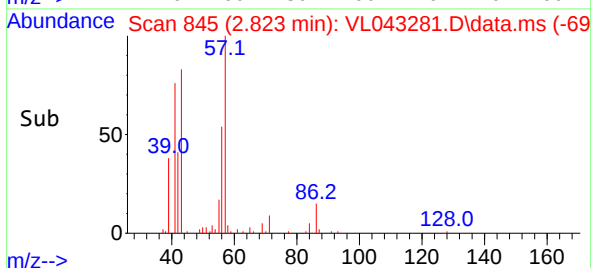
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

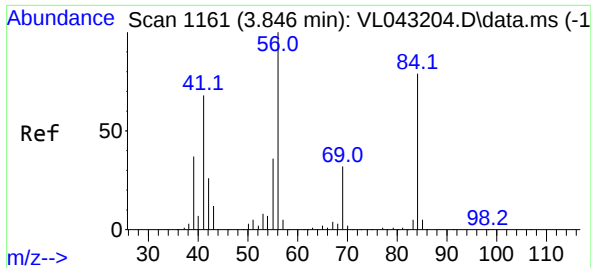


#26
Hexane
Concen: 0.680 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26



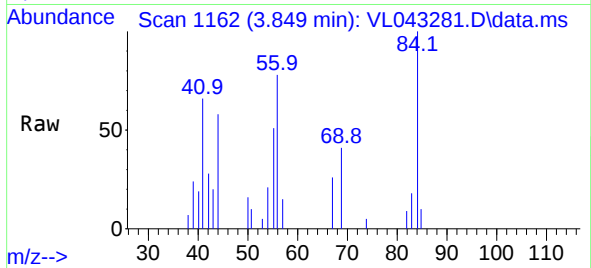
Tgt Ion: 57 Resp: 9567
Ion Ratio Lower Upper
57 100
41 97.8 74.6 111.8
43 145.5 179.0 268.4#
56 62.5 42.3 63.5





#30
Cyclohexane
Concen: 0.141 ppbv m
RT: 3.849 min Scan# 1161
Delta R.T. 0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

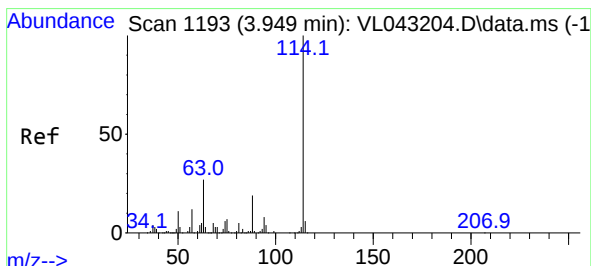
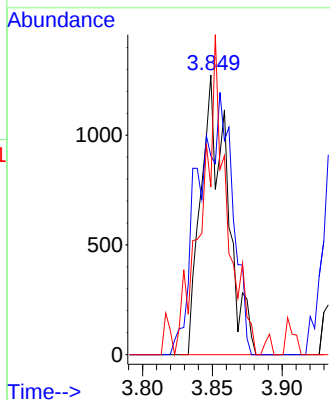
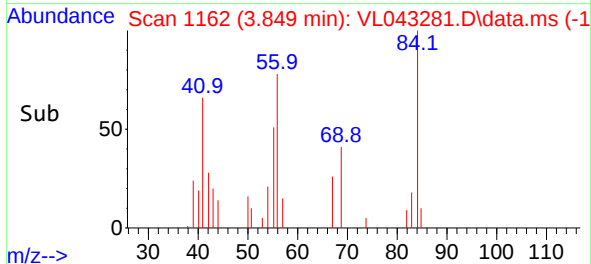
Instrument :
MSVOA_L
ClientSampleId :
IA1



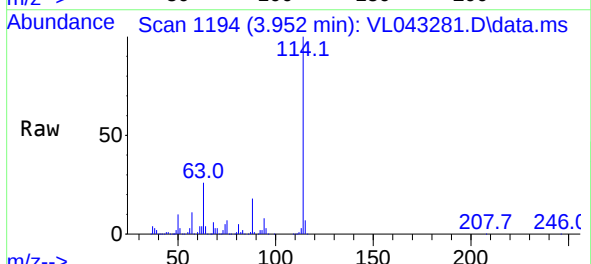
Tgt Ion: 84 Resp: 1664
Ion Ratio Lower Upper
84 100
56 0.0 104.7 157.1
41 0.0 69.0 103.6

Manual Integrations
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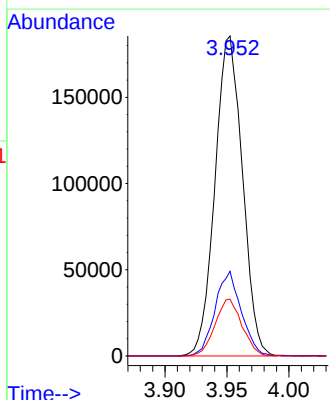
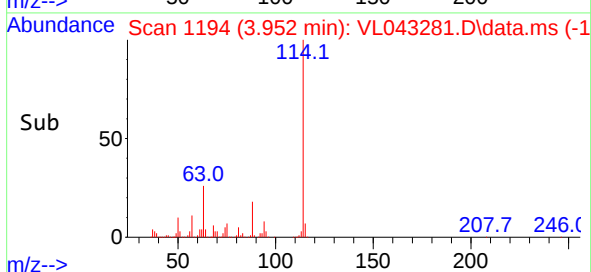
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

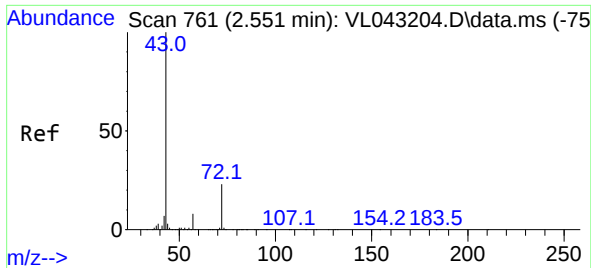


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26



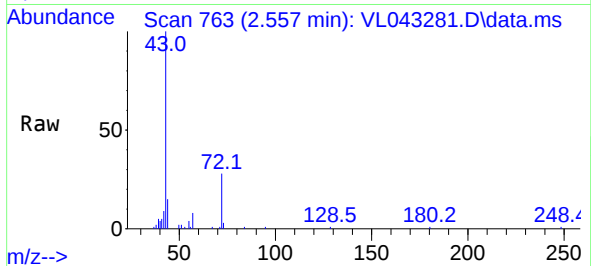
Tgt Ion:114 Resp: 286434
Ion Ratio Lower Upper
114 100
63 25.4 21.0 31.6
88 17.4 14.9 22.3





#34
2-Butanone
Concen: 0.508 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.007 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

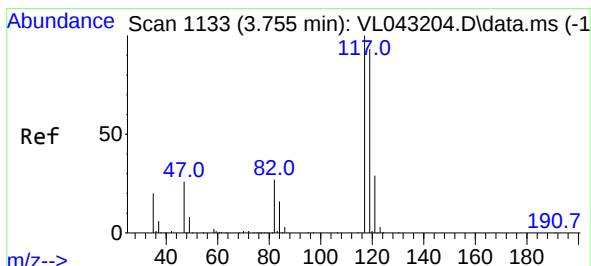
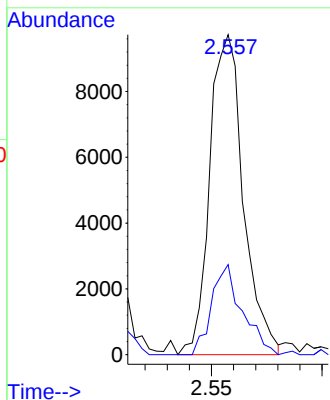
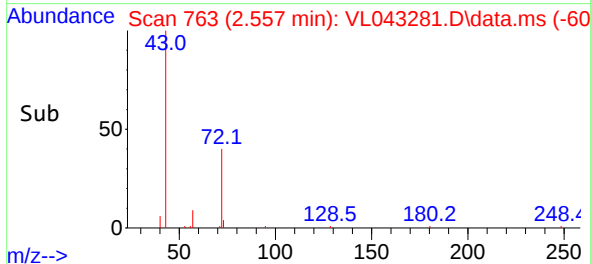
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 10274
Ion Ratio Lower Upper
43 100
72 26.2 18.1 27.1

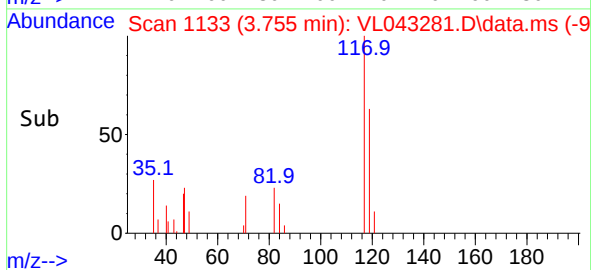
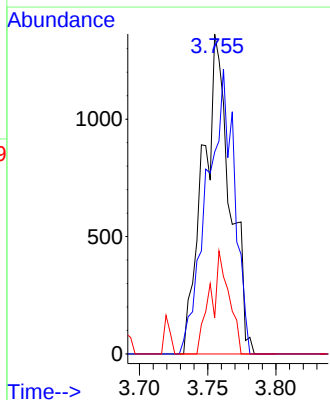
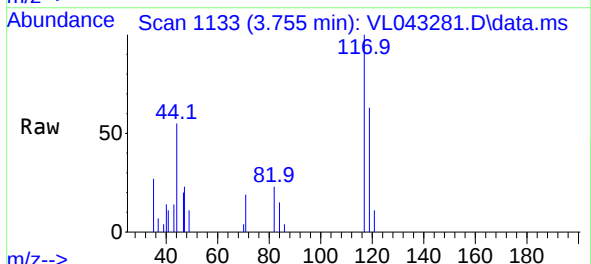
Manual Integrations
APPROVED

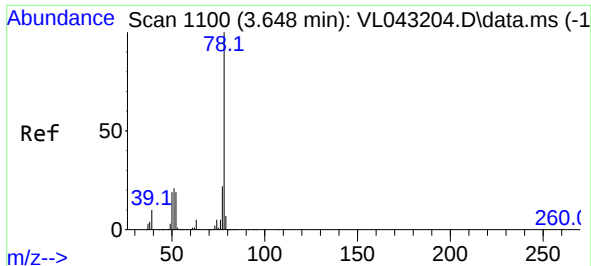
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#35
Carbon Tetrachloride
Concen: 0.086 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

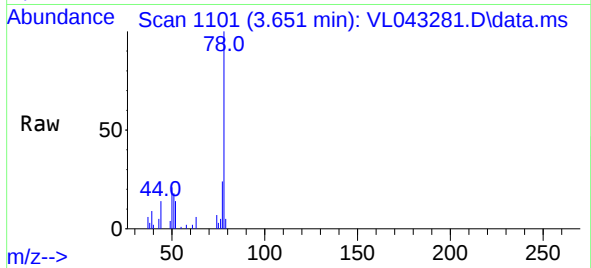
Tgt Ion:117 Resp: 1876
Ion Ratio Lower Upper
117 100
119 63.1 74.6 112.0#
121 11.2 23.2 34.8#





#36
Benzene
Concen: 0.377 ppbv
RT: 3.651 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

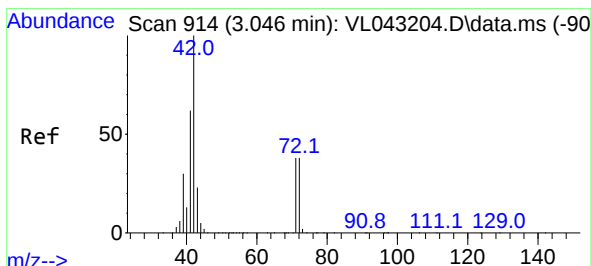
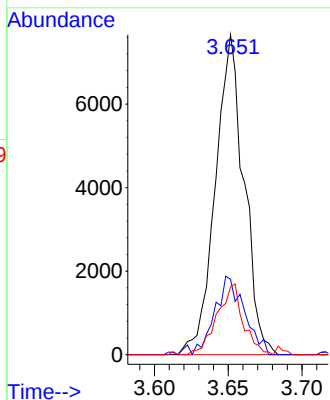
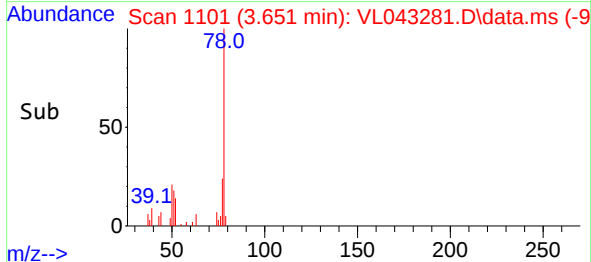
Instrument :
MSVOA_L
ClientSampleId :
IA1



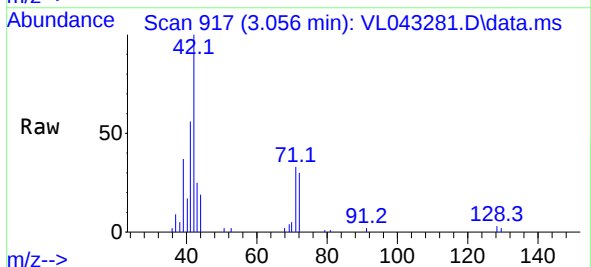
Tgt Ion: 78 Resp: 10334
Ion Ratio Lower Upper
78 100
77 23.6 17.5 26.3
50 21.2 15.5 23.3

Manual Integrations
APPROVED

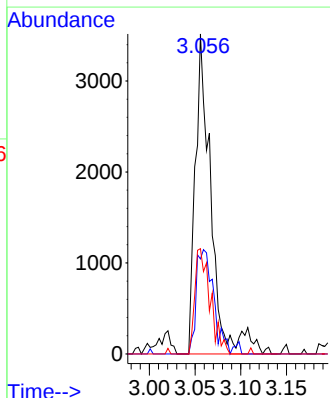
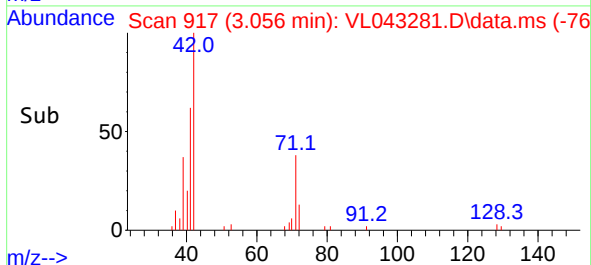
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

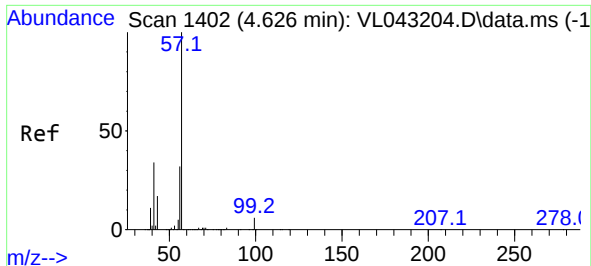


#41
Tetrahydrofuran
Concen: 0.377 ppbv m
RT: 3.056 min Scan# 917
Delta R.T. 0.010 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26



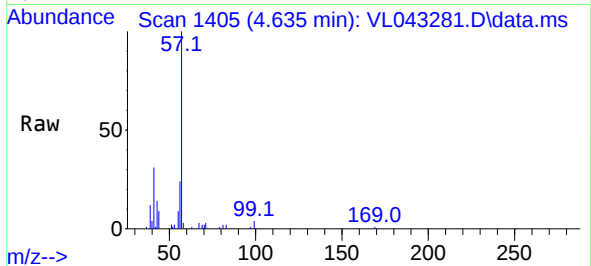
Tgt Ion: 42 Resp: 4214
Ion Ratio Lower Upper
42 100
72 0.0 30.6 46.0#
71 0.0 30.5 45.7#





#44
2,2,4-Trimethylpentane
Concen: 0.265 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.010 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

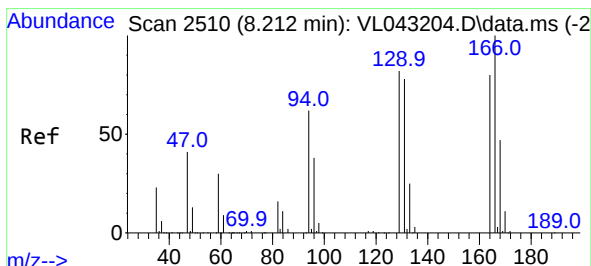
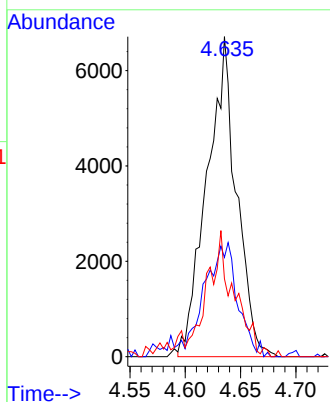
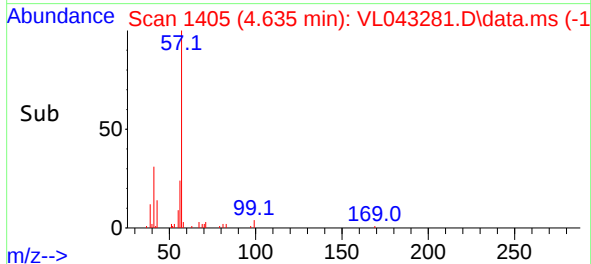
Instrument :
MSVOA_L
ClientSampleId :
IA1



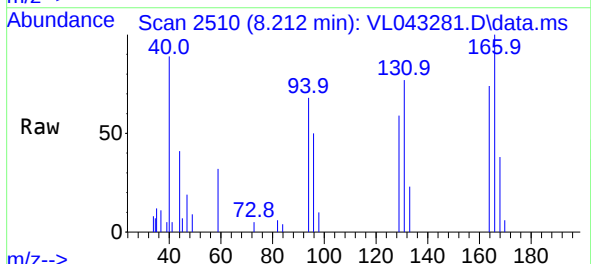
Tgt Ion: 57 Resp: 12500
Ion Ratio Lower Upper
57 100
41 43.5 28.0 42.0
56 40.3 25.6 38.4

Manual Integrations
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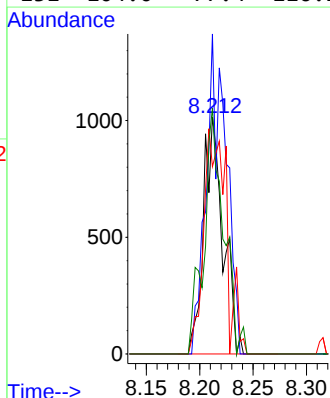
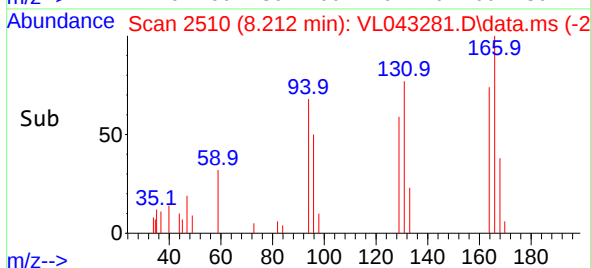
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

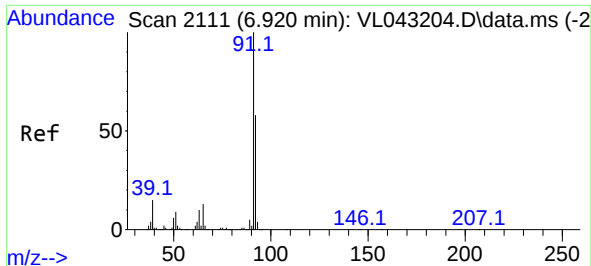


#52
Tetrachloroethene
Concen: 0.126 ppbv m
RT: 8.212 min Scan# 2510
Delta R.T. 0.000 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26



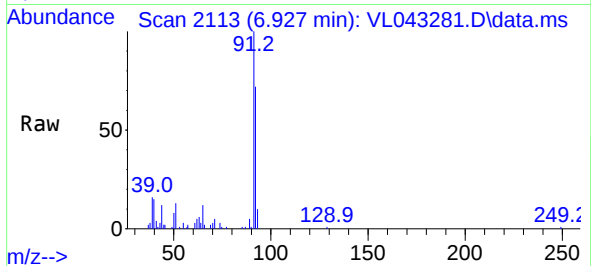
Tgt Ion:164 Resp: 1283
Ion Ratio Lower Upper
164 100
166 135.3 99.4 149.2
129 79.3 81.8 122.8
131 104.0 77.4 116.2





#53
Toluene
Concen: 0.494 ppbv m
RT: 6.927 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

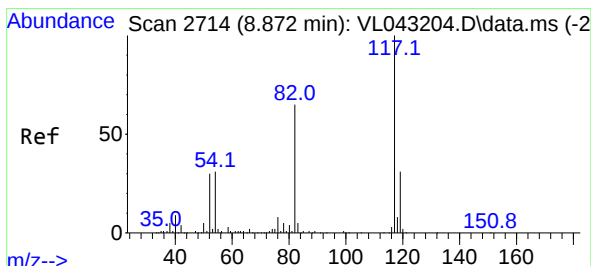
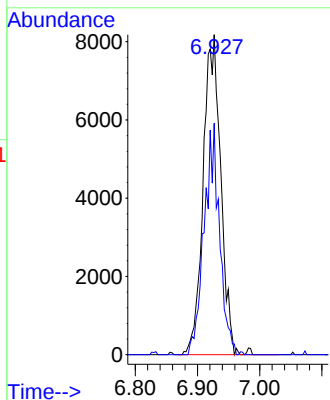
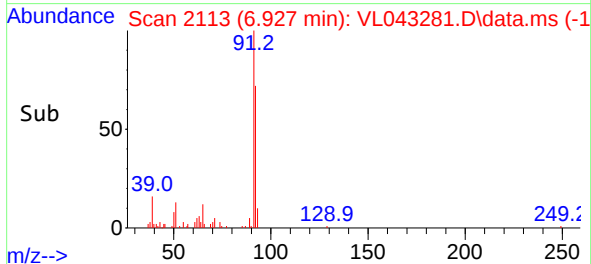
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 16030
Ion Ratio Lower Upper
91 100
92 63.0 47.4 71.0

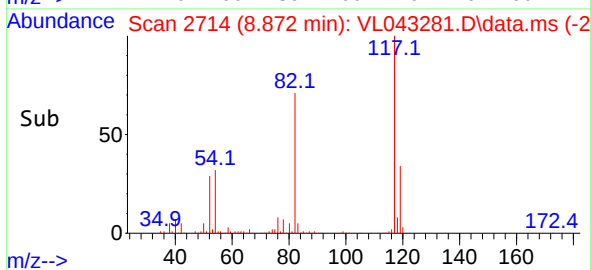
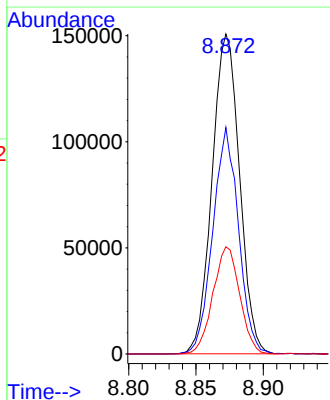
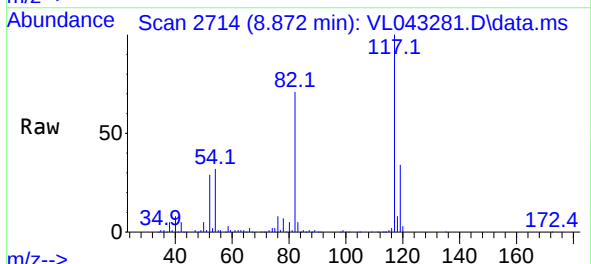
Manual Integrations
APPROVED

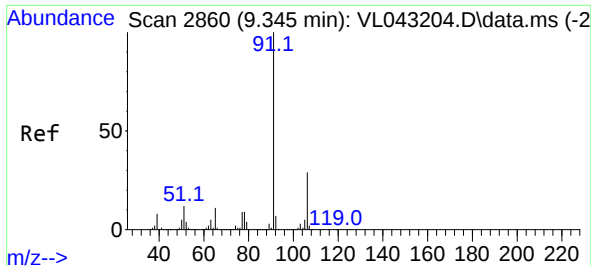
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.000 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

Tgt Ion:117 Resp: 213639
Ion Ratio Lower Upper
117 100
82 66.4 56.1 84.1
119 32.7 25.0 37.6





#58

Ethyl Benzene

Concen: 0.182 ppbv

RT: 9.348 min Scan# 2860

Delta R.T. 0.003 min

Lab File: VL043281.D

Acq: 24 Nov 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 7478

Ion Ratio Lower Upper

91 100

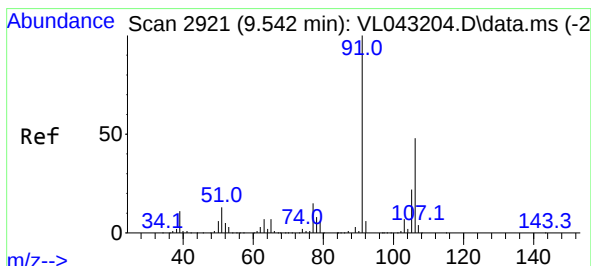
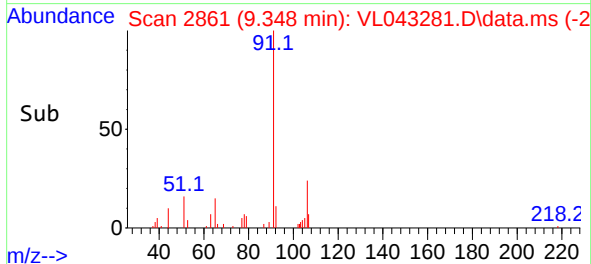
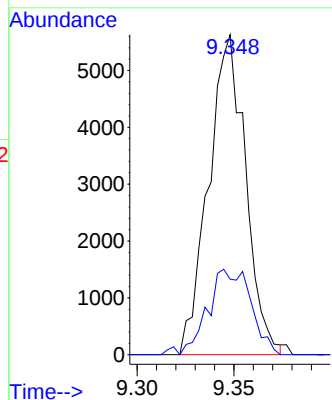
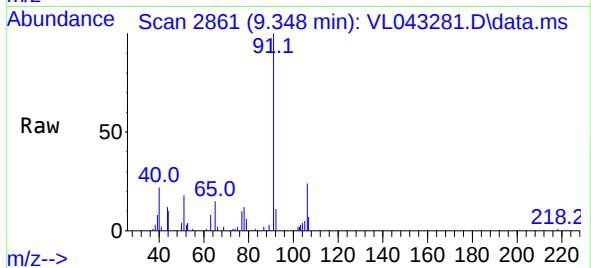
106 30.8 22.8 34.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025

Supervised By :Mahesh Dadoda 11/25/2025



#59

m/p-Xylene

Concen: 0.629 ppbv

RT: 9.526 min Scan# 2916

Delta R.T. -0.016 min

Lab File: VL043281.D

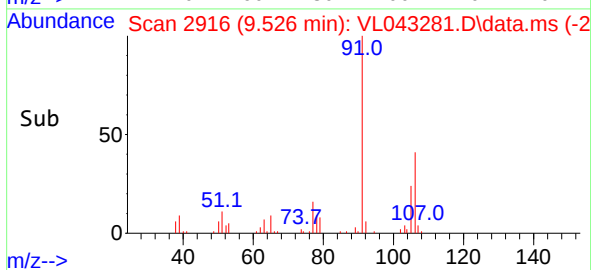
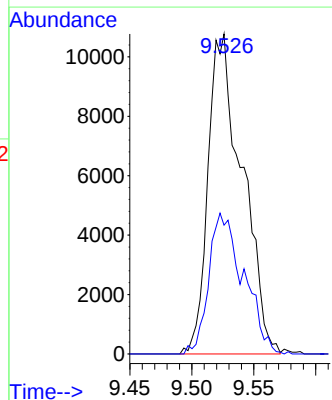
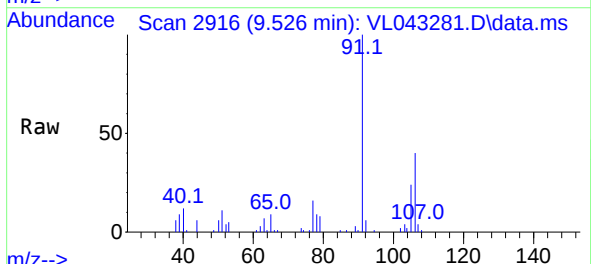
Acq: 24 Nov 2025 14:26

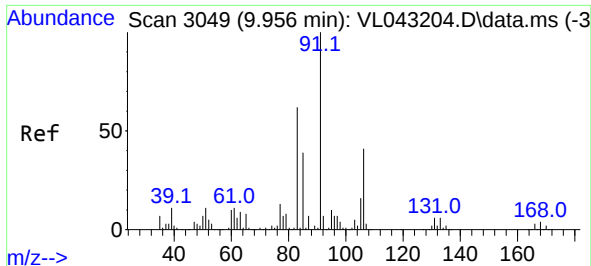
Tgt Ion: 91 Resp: 20727

Ion Ratio Lower Upper

91 100

106 44.8 36.1 54.1





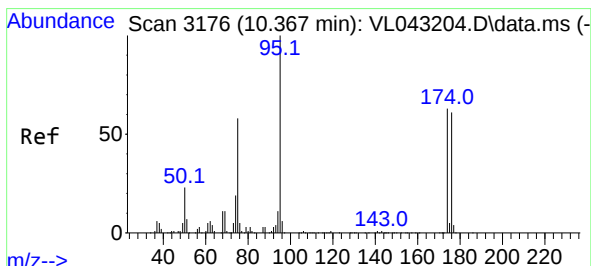
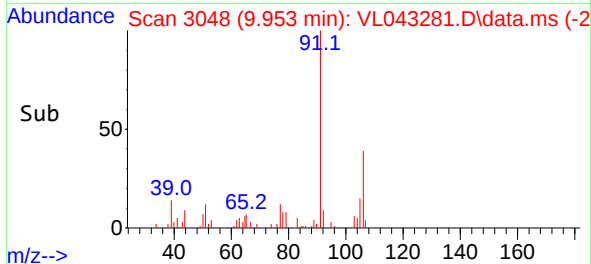
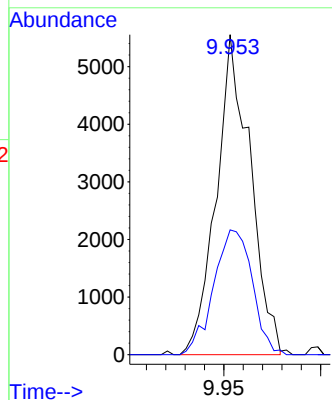
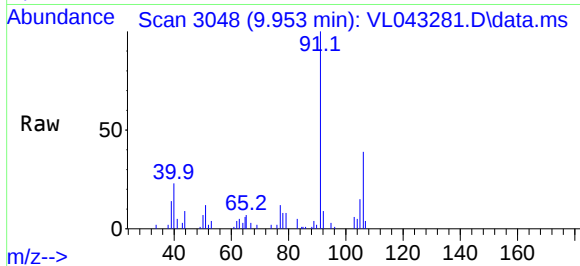
#60
o-Xylene
Concen: 0.205 ppbv
RT: 9.953 min Scan# 3049
Delta R.T. -0.003 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 6764
Ion Ratio Lower Upper
91 100
106 44.3 20.9 62.8

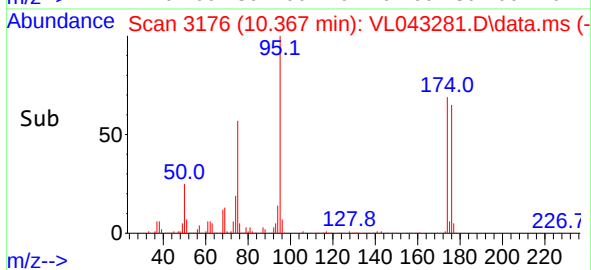
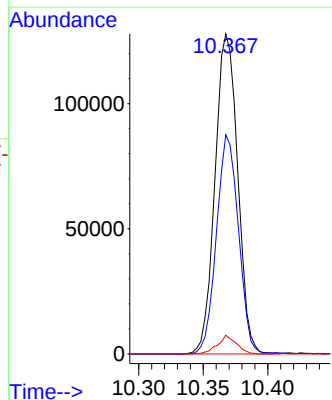
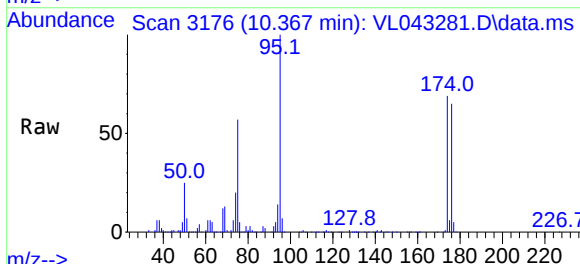
Manual Integrations
APPROVED

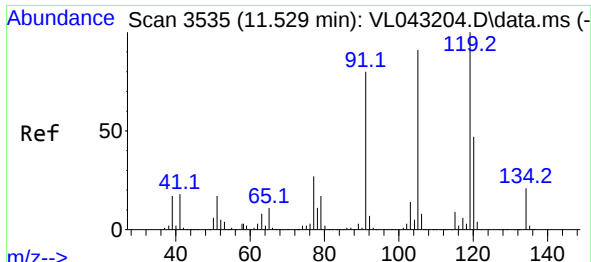
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.989 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VL043281.D
Acq: 24 Nov 2025 14:26

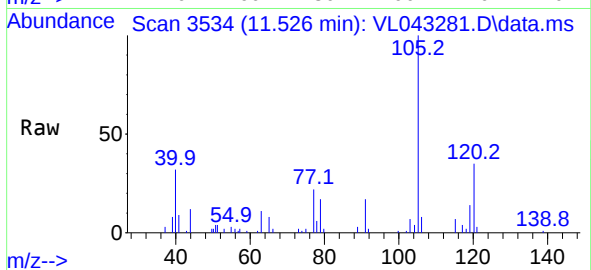
Tgt Ion: 95 Resp: 156431
Ion Ratio Lower Upper
95 100
174 66.8 50.2 75.2
175 4.9 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.139 ppbv
 RT: 11.526 min Scan# 3534
 Delta R.T. -0.003 min
 Lab File: VL043281.D
 Acq: 24 Nov 2025 14:26

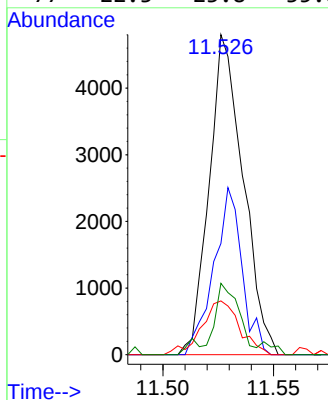
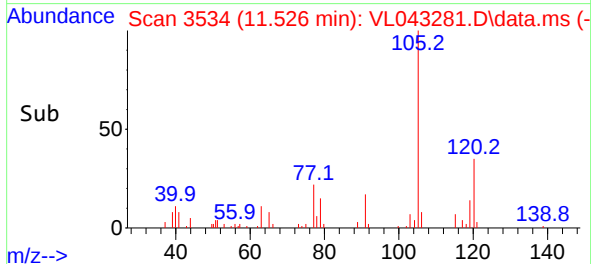
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion:	105	Resp:	5120
Ion	Ratio	Lower	Upper
105	100		
120	34.8	41.7	62.5
91	18.6	70.0	105.0
77	22.3	23.8	35.8

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Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025



Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: SV2
Lab Sample ID: Q3696-03
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected: 11/19/25
Date Received: 11/20/25
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.10	0.26	U	4	0.26	0.31	11/24/25 17:47	VL112425
142-82-5	Heptane	0.68	2.79	U	4	2.79	8.20	11/24/25 17:47	VL112425
75-34-3	1,1-Dichloroethane	0.52	2.10	U	4	2.10	8.09	11/24/25 17:47	VL112425
110-82-7	Cyclohexane	0.88	3.03	U	4	3.03	6.88	11/24/25 17:47	VL112425
156-59-2	cis-1,2-Dichloroethene	0.40	1.59	U	4	1.59	7.93	11/24/25 17:47	VL112425
71-55-6	1,1,1-Trichloroethane	0.25	1.36		4	0.33	0.65	11/24/25 17:47	VL112425
540-84-1	2,2,4-Trimethylpentane	0.56	2.62	U	4	2.62	9.34	11/24/25 17:47	VL112425
71-43-2	Benzene	0.32	1.02	U	4	1.02	6.39	11/24/25 17:47	VL112425
79-01-6	Trichloroethene	0.24	1.29		4	0.54	0.64	11/24/25 17:47	VL112425
75-27-4	Bromodichloromethane	0.25	1.67	U	4	1.67	13.4	11/24/25 17:47	VL112425
108-88-3	Toluene	0.95	3.58	J	4	2.41	7.54	11/24/25 17:47	VL112425
127-18-4	Tetrachloroethene	3.10	21.0		4	0.41	0.81	11/24/25 17:47	VL112425
179601-23-1	m/p-Xylene	1.60	6.95	U	4	6.95	17.4	11/24/25 17:47	VL112425
95-47-6	o-Xylene	0.84	3.65	U	4	3.65	8.69	11/24/25 17:47	VL112425
108-67-8	1,3,5-Trimethylbenzene	0.72	3.54	U	4	3.54	9.83	11/24/25 17:47	VL112425
95-63-6	1,2,4-Trimethylbenzene	0.72	3.54	U	4	3.54	9.83	11/24/25 17:47	VL112425
91-20-3	Naphthalene	0.050	0.26	U	4	0.26	2.10	11/24/25 17:47	VL112425
110-54-3	Hexane	0.64	2.26	U	4	2.26	7.05	11/24/25 17:47	VL112425
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.70				65 - 135	97% SPK: 10		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	110000							
540-36-3	1,4-Difluorobenzene	286000							
3114-55-4	Chlorobenzene-d5	215000							

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043287.D
 Acq On : 24 Nov 2025 17:47
 Operator : SY/MD
 Sample : Q3696-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:43:09 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	110236	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	285613	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	215025	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.368	95	152555	9.679	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	3980	0.256	ppbv	91
9) Propene	1.483	41	6307	0.971	ppbv #	1
11) Trichlorofluoromethane	1.875	101	4396	0.292	ppbv	97
13) Ethanol	1.719	45	13758	6.026	ppbv	93
15) Acetone	1.833	43	202668	13.233	ppbv	100
20) Methylene Chloride	2.062	84	4492	0.228	ppbv	84
26) Hexane	2.820	57	2082	0.144	ppbv #	49
27) Carbon Disulfide	2.147	76	3842	0.260	ppbv #	1
32) 1,1,1-Trichloroethane	3.367	97	1383m	0.063	ppbv	
34) 2-Butanone	2.554	43	7585	0.376	ppbv	98
38) Trichloroethene	4.538	130	629m	0.059	ppbv	
52) Tetrachloroethene	8.212	164	7855	0.772	ppbv	97
53) Toluene	6.917	91	7723m	0.238	ppbv	
59) m/p-Xylene	9.520	91	6508m	0.196	ppbv	
74) 1,2,4-Trimethylbenzene	11.526	105	5710	0.154	ppbv #	51

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

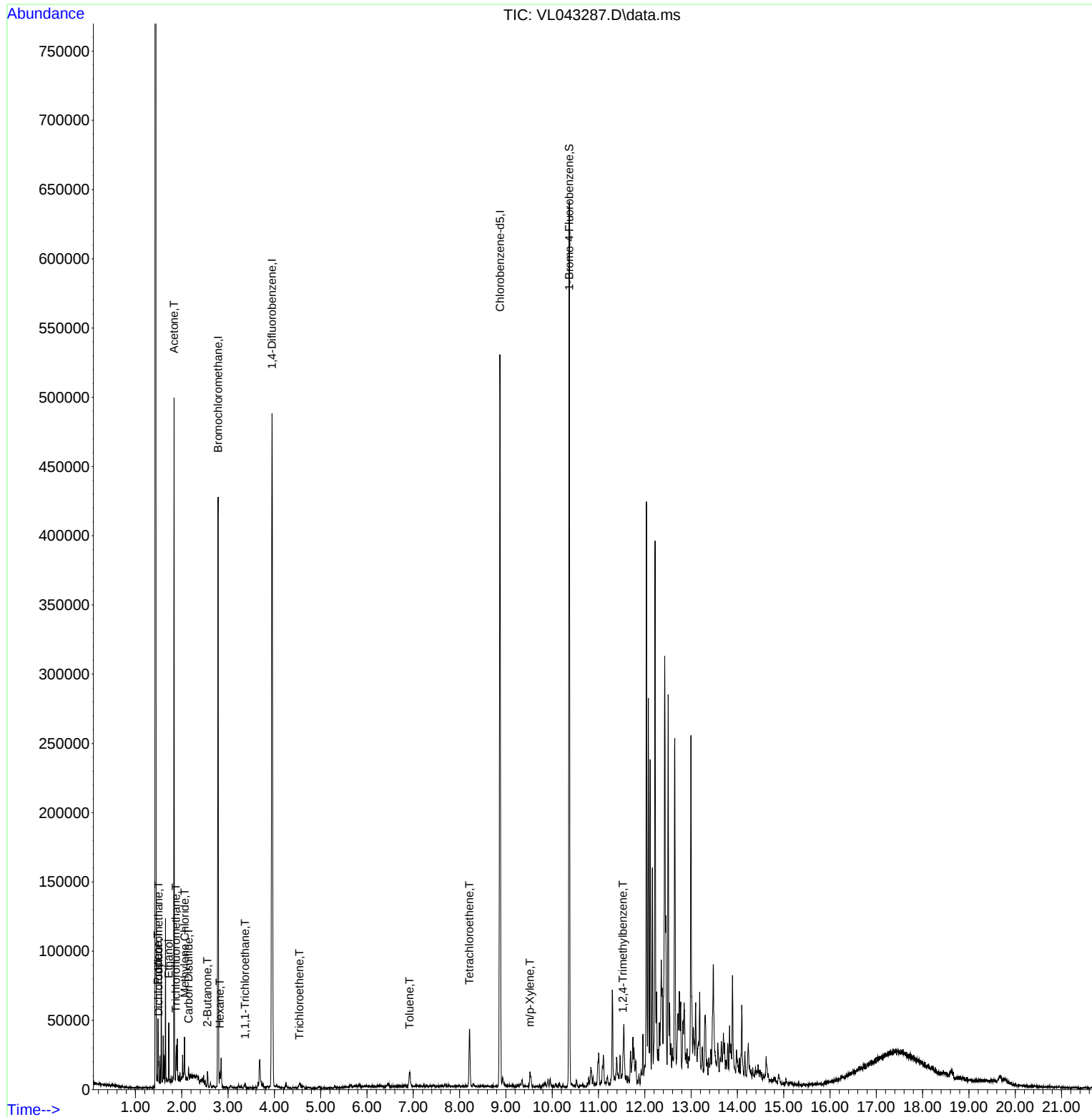
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043287.D
Acq On : 24 Nov 2025 17:47
Operator : SY/MD
Sample : Q3696-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

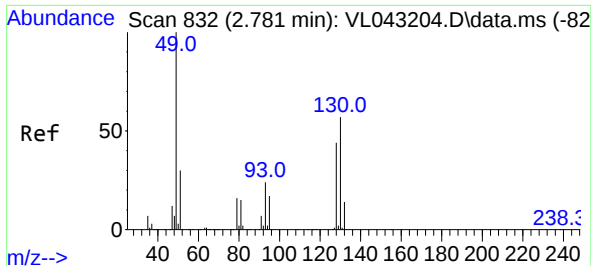
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Nov 24 23:43:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 11/25/2025
Supervised By : Mahesh Dadoda 11/25/2025





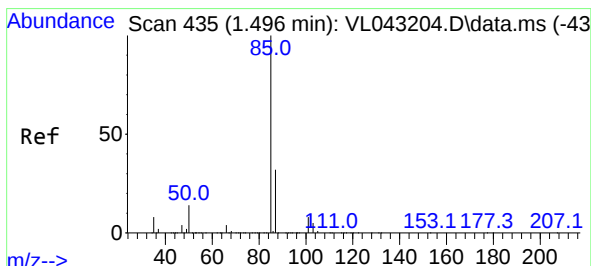
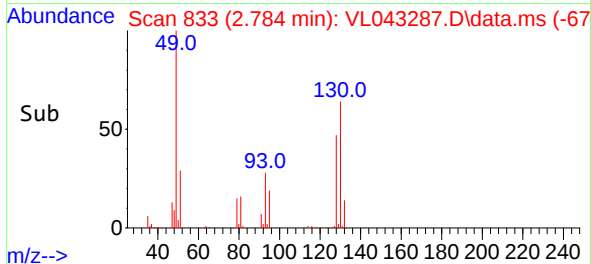
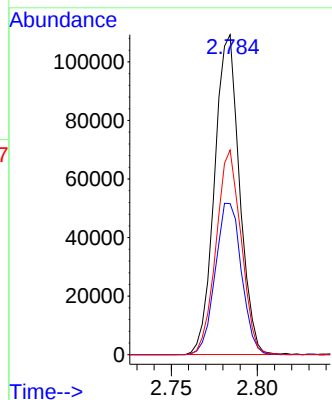
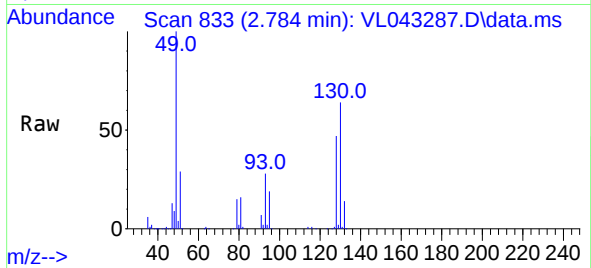
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 110230
Ion Ratio Lower Upper
49 100
128 49.8 23.0 69.0
130 64.1 29.9 89.7

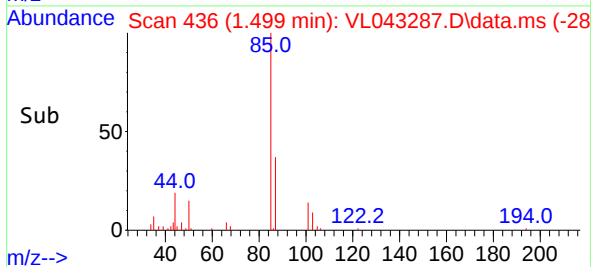
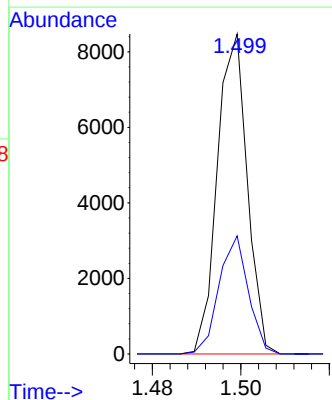
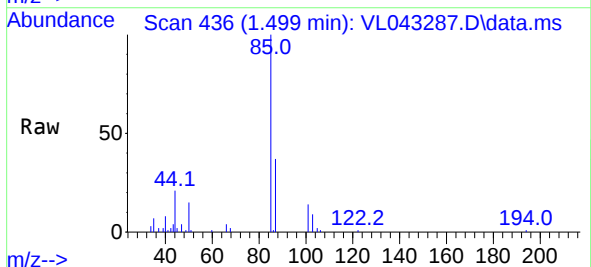
Manual Integrations
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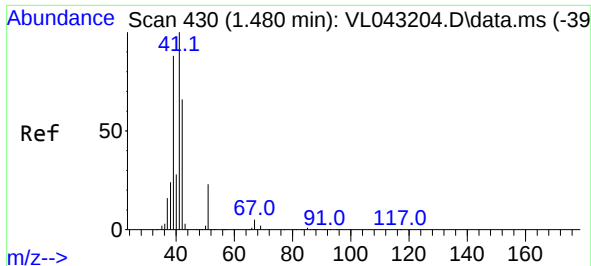
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#2
Dichlorodifluoromethane
Concen: 0.256 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Tgt Ion: 85 Resp: 3980
Ion Ratio Lower Upper
85 100
87 36.9 25.4 38.2





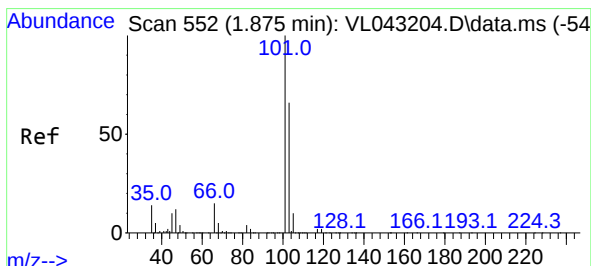
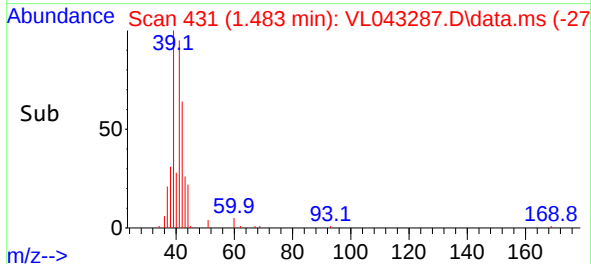
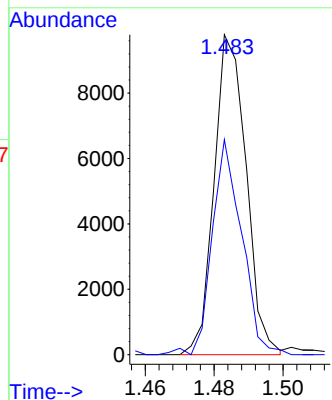
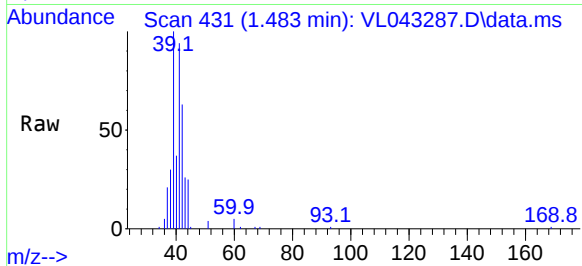
#9
Propene
Concen: 0.971 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 41 Resp: 630
Ion Ratio Lower Upper
41 100
42 61.9 3.7 5.5

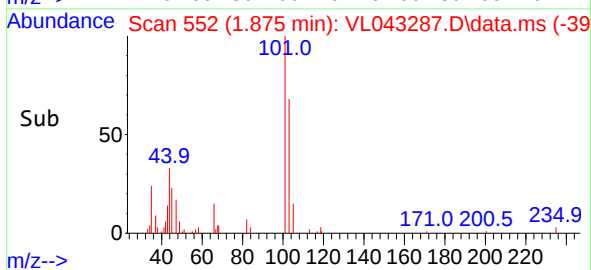
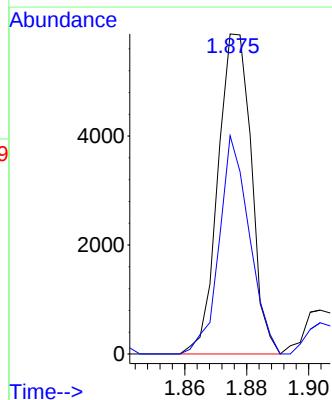
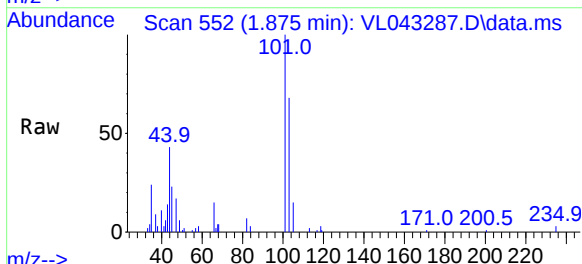
Manual Integrations
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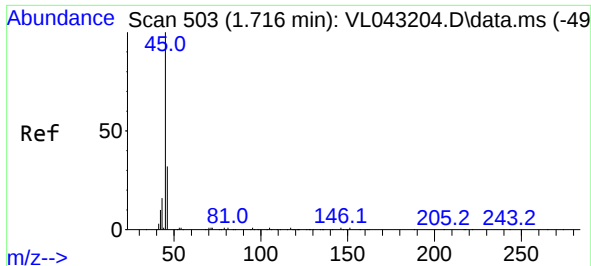
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#11
Trichlorofluoromethane
Concen: 0.292 ppbv
RT: 1.875 min Scan# 552
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

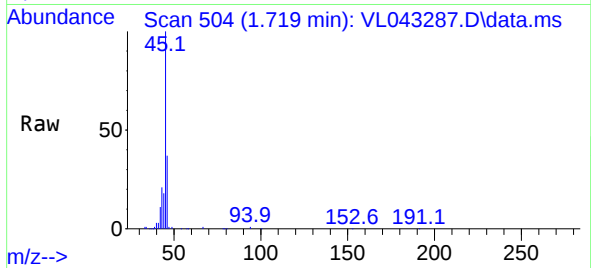
Tgt Ion:101 Resp: 4396
Ion Ratio Lower Upper
101 100
103 68.2 52.6 79.0





#13
Ethanol
Concen: 6.026 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

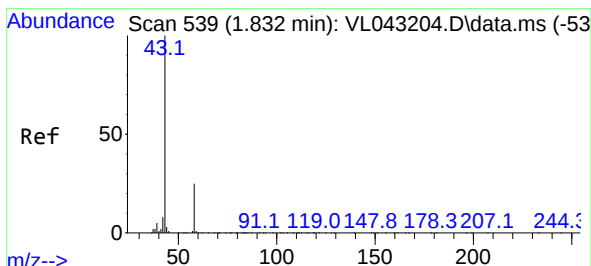
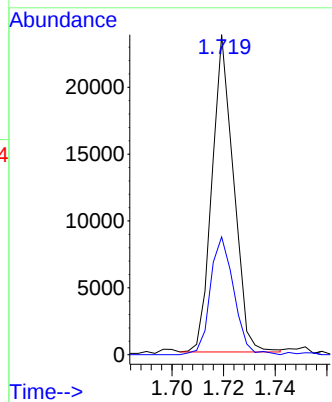
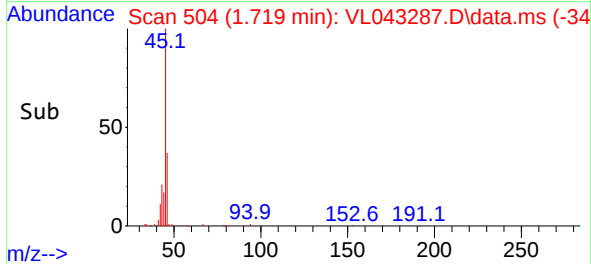
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 45 Resp: 13758
Ion Ratio Lower Upper
45 100
46 41.3 15.0 59.8

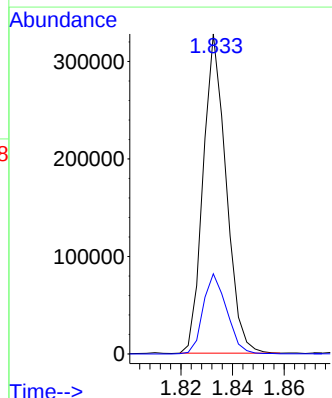
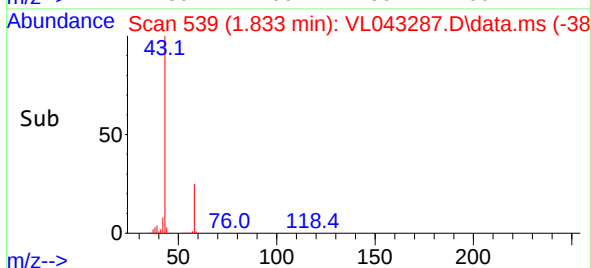
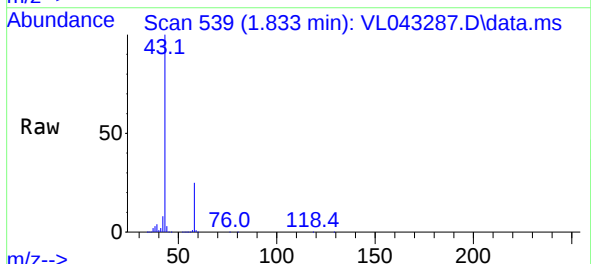
Manual Integrations
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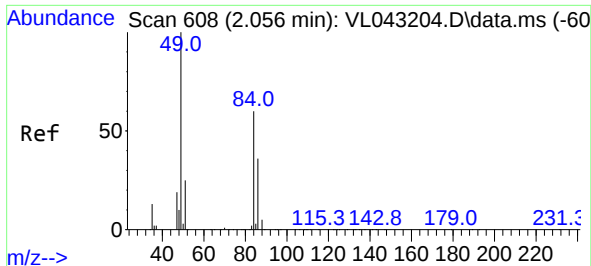
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#15
Acetone
Concen: 13.233 ppbv
RT: 1.833 min Scan# 539
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

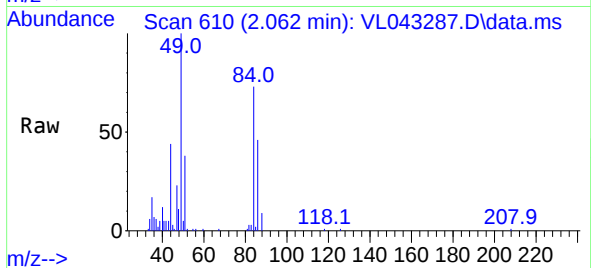
Tgt Ion: 43 Resp: 202668
Ion Ratio Lower Upper
43 100
58 25.9 20.7 31.1





#20
Methylene Chloride
Concen: 0.228 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

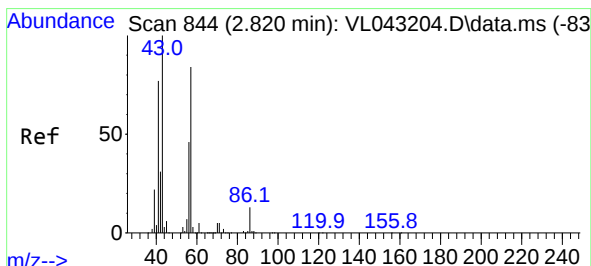
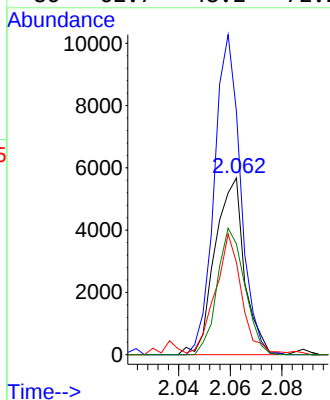
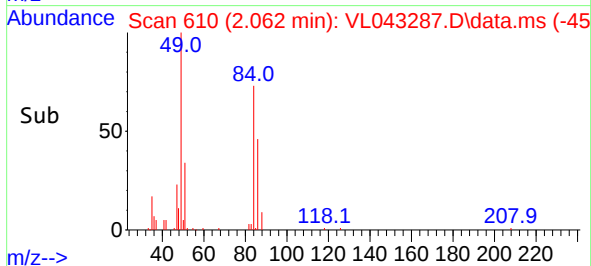
Instrument :
MSVOA_L
ClientSampleId :
SV2



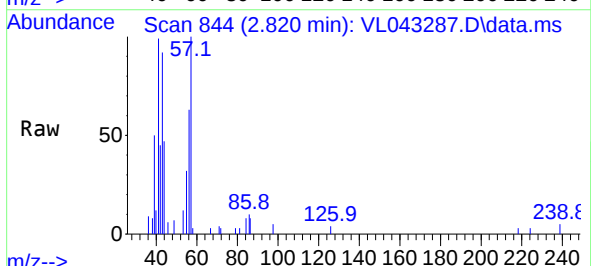
Tgt Ion: 84 Resp: 4492
Ion Ratio Lower Upper
84 100
49 137.4 132.9 199.3
51 50.5 34.8 52.2
86 62.7 48.2 72.2

Manual Integrations
APPROVED

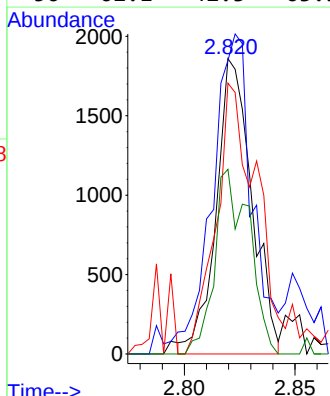
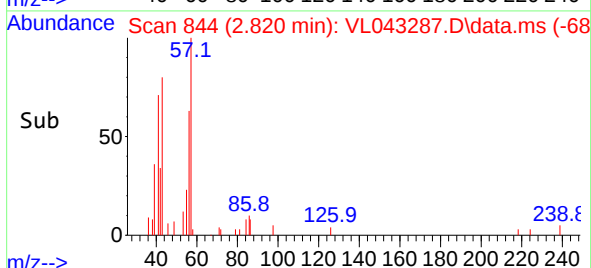
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

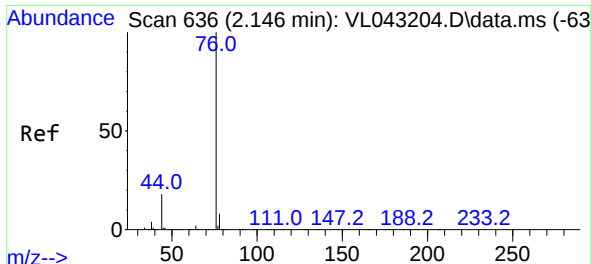


#26
Hexane
Concen: 0.144 ppbv
RT: 2.820 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47



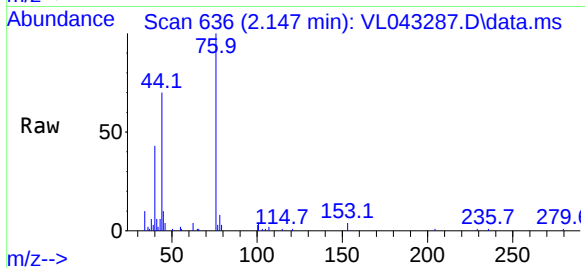
Tgt Ion: 57 Resp: 2082
Ion Ratio Lower Upper
57 100
41 145.3 74.6 111.8#
43 128.0 179.0 268.4#
56 62.1 42.3 63.5





#27
Carbon Disulfide
Concen: 0.260 ppbv
RT: 2.147 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

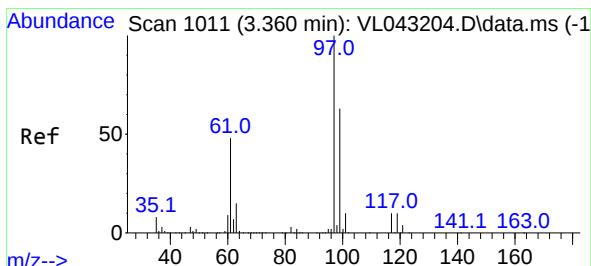
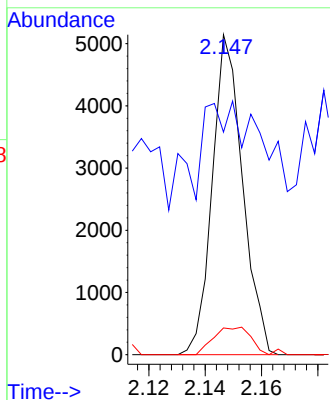
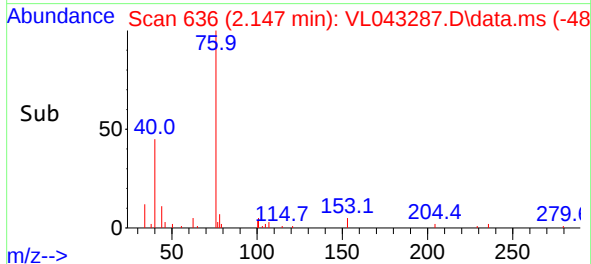
Instrument :
MSVOA_L
ClientSampleId :
SV2



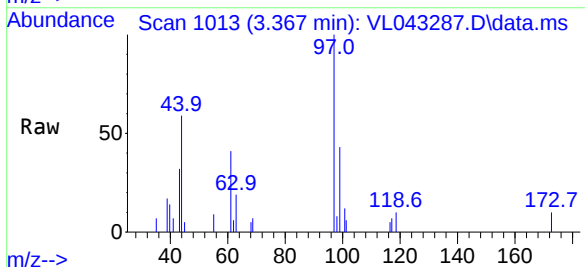
Tgt Ion: 76 Resp: 384
Ion Ratio Lower Upper
76 100
44 127.3 16.1 24.1
78 11.0 9.6 14.4

Manual Integrations
APPROVED

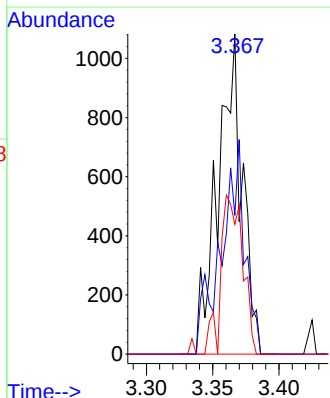
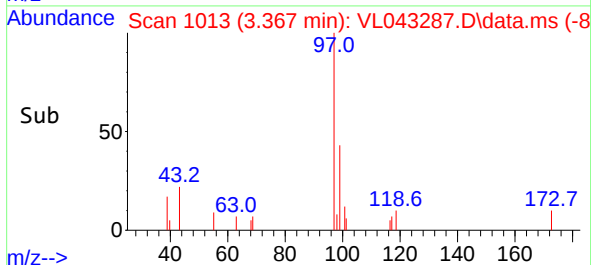
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

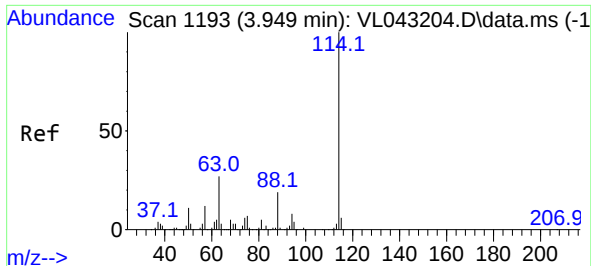


#32
1,1,1-Trichloroethane
Concen: 0.063 ppbv m
RT: 3.367 min Scan# 1013
Delta R.T. 0.007 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47



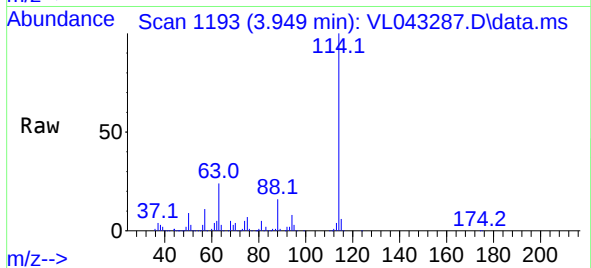
Tgt Ion: 97 Resp: 1383
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 0.0 38.9 58.3#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

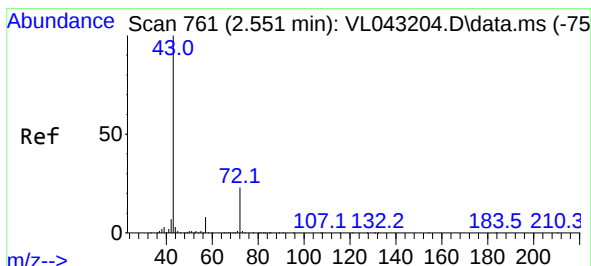
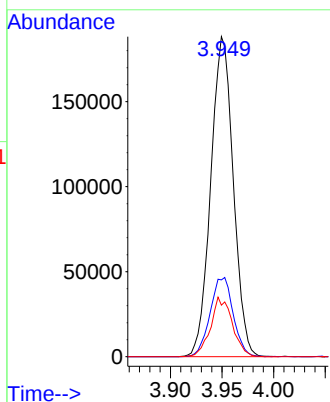
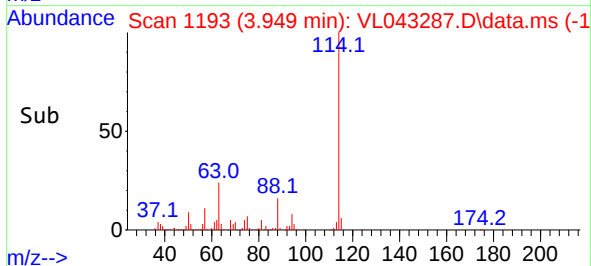
Instrument :
MSVOA_L
ClientSampleId :
SV2



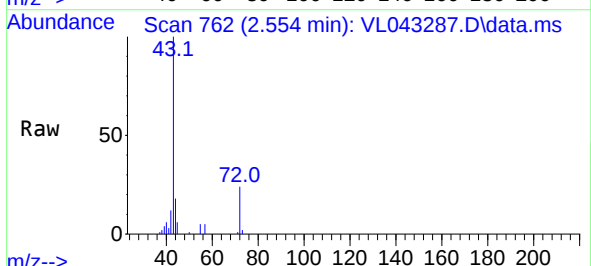
Tgt Ion:114 Resp: 28561
Ion Ratio Lower Upper
114 100
63 25.5 21.0 31.6
88 18.0 14.9 22.3

Manual Integrations
APPROVED

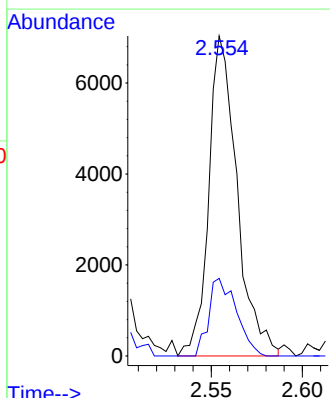
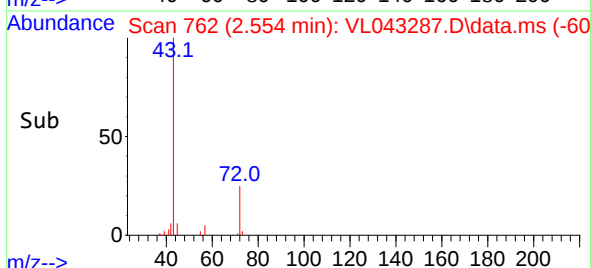
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

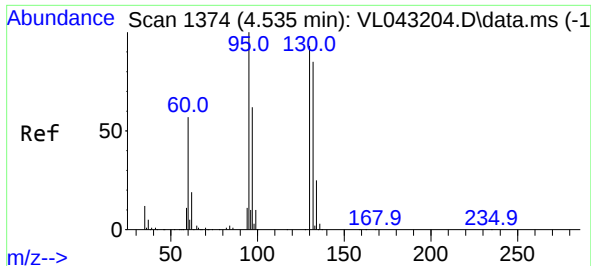


#34
2-Butanone
Concen: 0.376 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47



Tgt Ion: 43 Resp: 7585
Ion Ratio Lower Upper
43 100
72 23.7 18.1 27.1





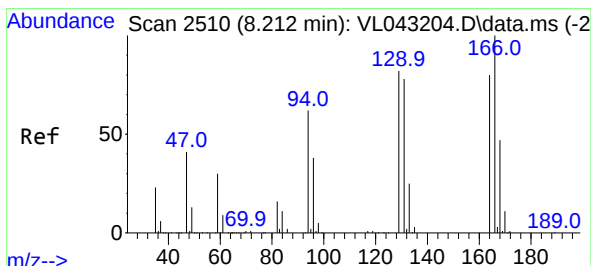
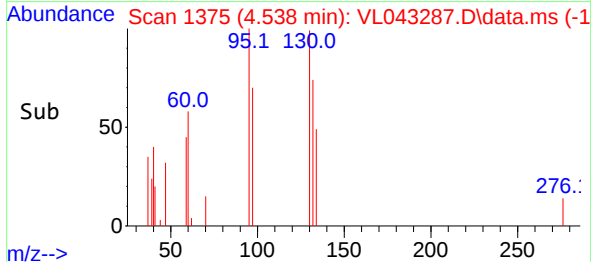
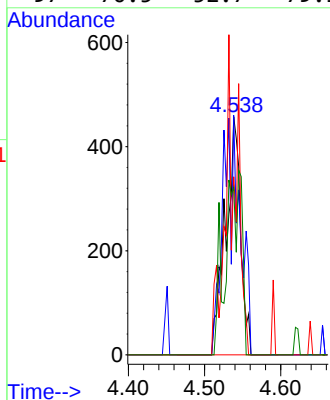
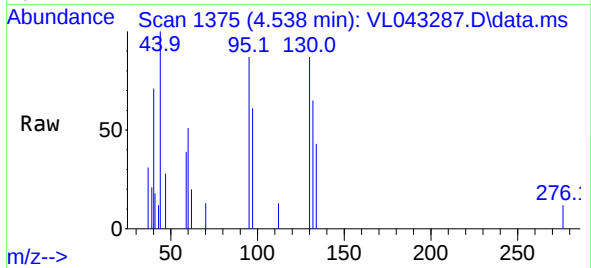
#38
Trichloroethene
Concen: 0.059 ppbv m
RT: 4.538 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:130 Resp: 629
Ion Ratio Lower Upper
130 100
95 100.7 85.7 128.5
132 74.8 73.4 110.0
97 70.5 52.7 79.1

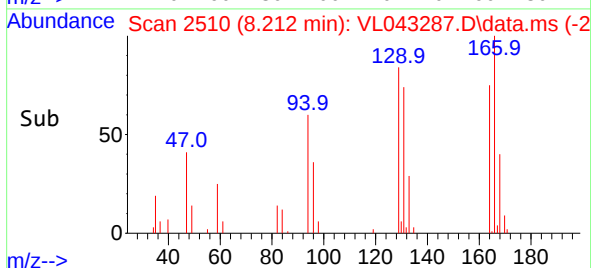
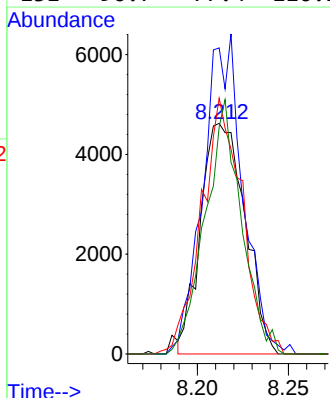
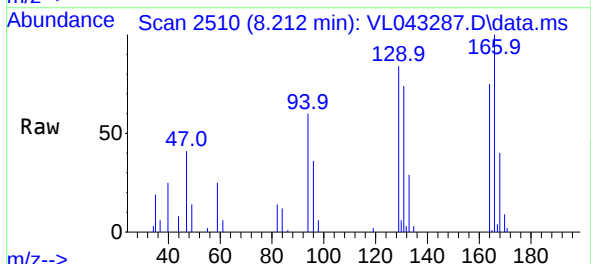
Manual Integrations
APPROVED

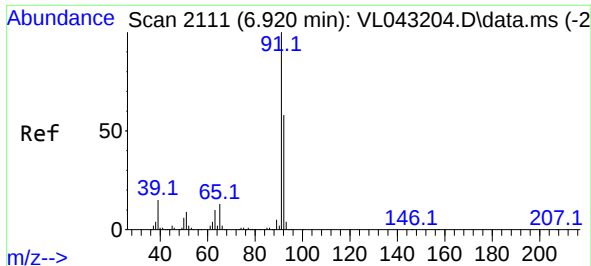
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#52
Tetrachloroethene
Concen: 0.772 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Tgt Ion:164 Resp: 7855
Ion Ratio Lower Upper
164 100
166 129.0 99.4 149.2
129 105.1 81.8 122.8
131 96.7 77.4 116.2





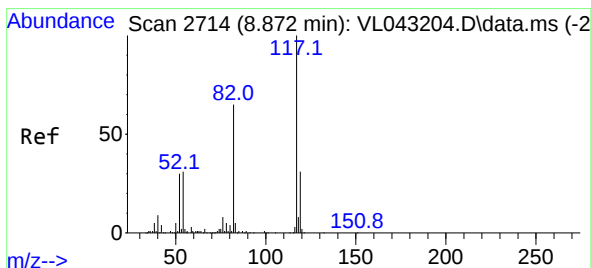
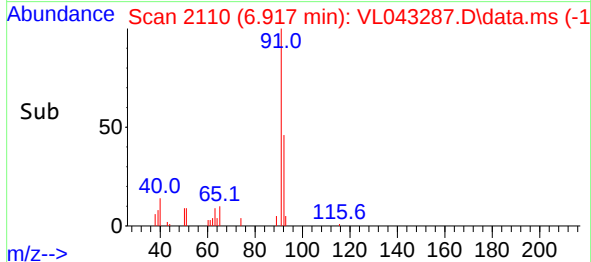
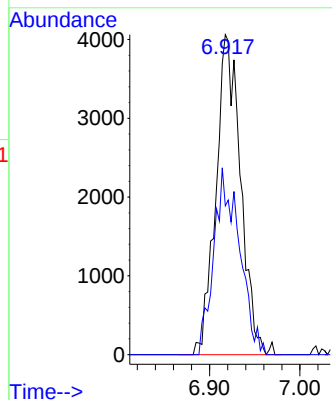
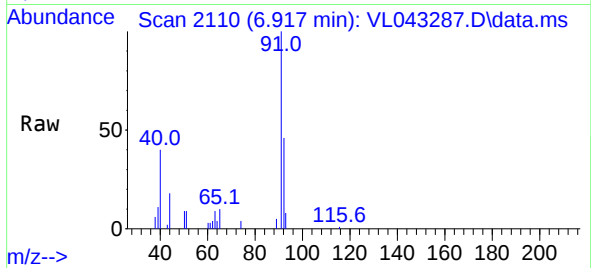
#53
Toluene
Concen: 0.238 ppbv m
RT: 6.917 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 772
Ion Ratio Lower Upper
91 100
92 60.1 47.4 71.0

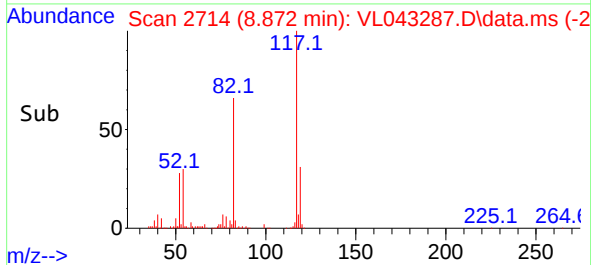
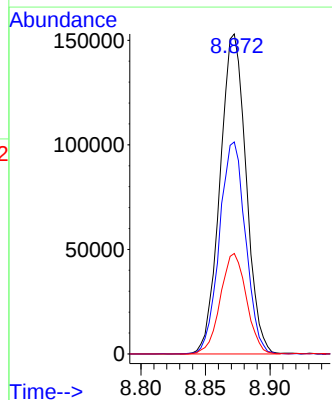
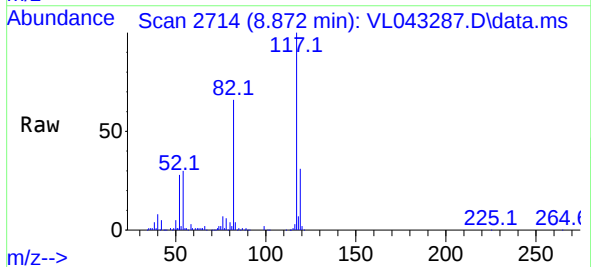
Manual Integrations
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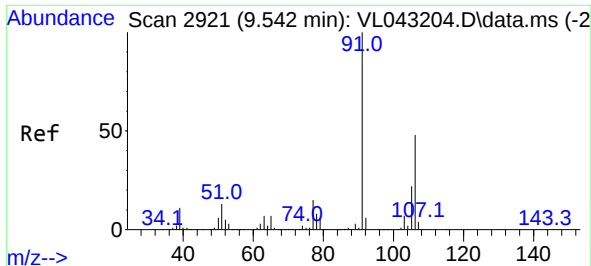
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.000 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

Tgt Ion:117 Resp: 215025
Ion Ratio Lower Upper
117 100
82 66.3 56.1 84.1
119 31.5 25.0 37.6





#59

m/p-Xylene

Concen: 0.196 ppbv m

RT: 9.520 min Scan# 2921

Delta R.T. -0.023 min

Lab File: VL043287.D

Acq: 24 Nov 2025 17:47

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 91 Resp: 6508

Ion Ratio Lower Upper

91 100

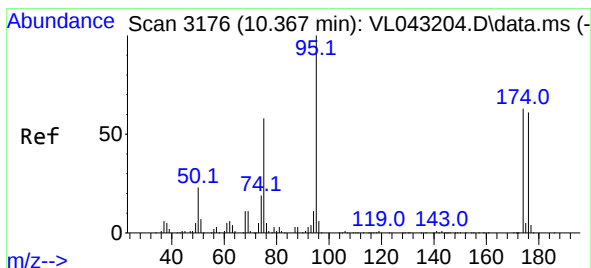
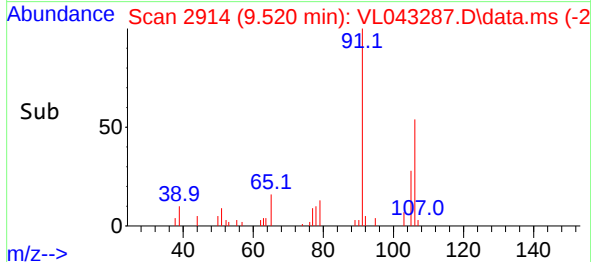
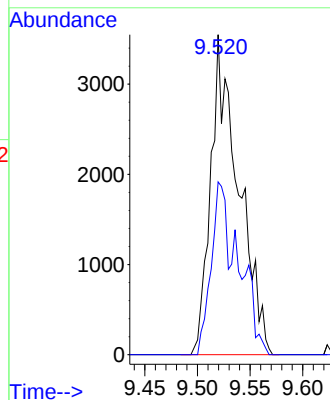
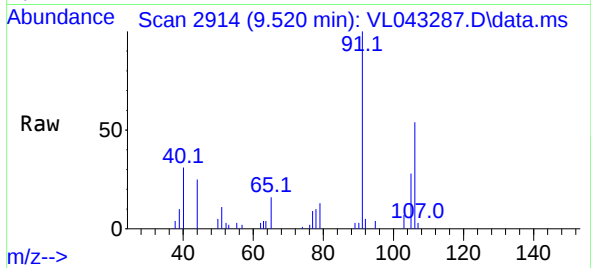
106 0.0 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025

Supervised By :Mahesh Dadoda 11/25/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.679 ppbv

RT: 10.368 min Scan# 3176

Delta R.T. 0.000 min

Lab File: VL043287.D

Acq: 24 Nov 2025 17:47

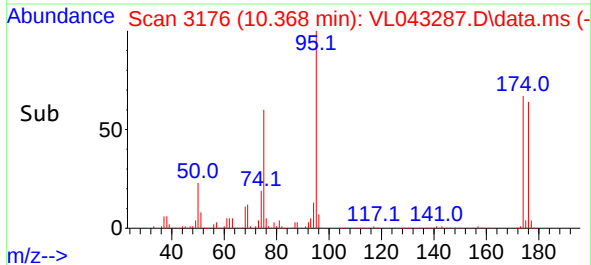
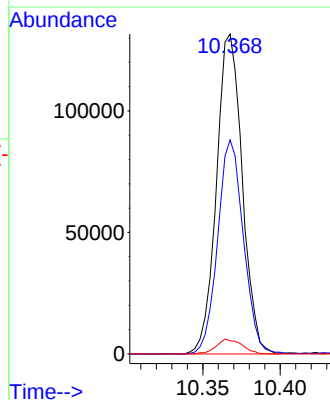
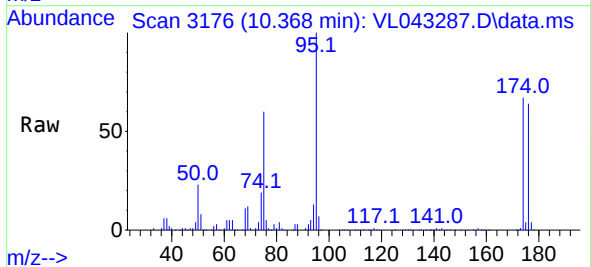
Tgt Ion: 95 Resp: 152555

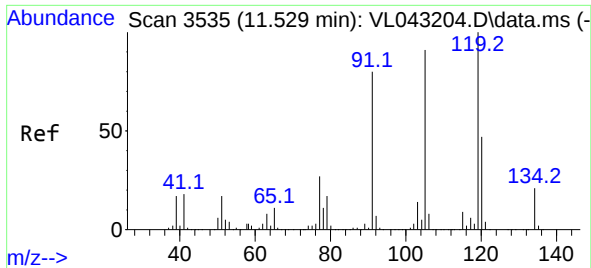
Ion Ratio Lower Upper

95 100

174 67.1 50.2 75.2

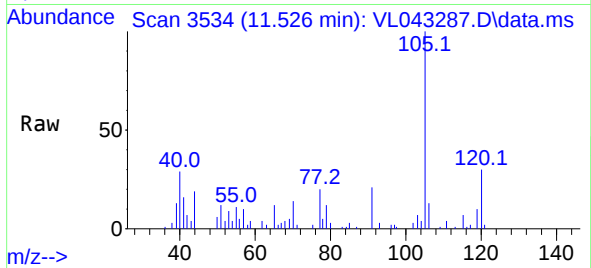
175 4.6 4.1 6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.154 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL043287.D
Acq: 24 Nov 2025 17:47

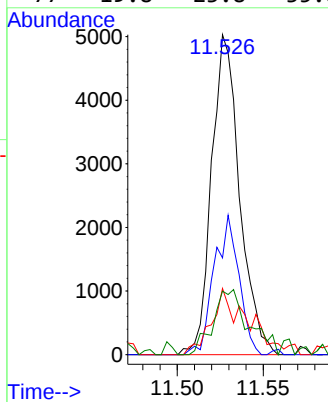
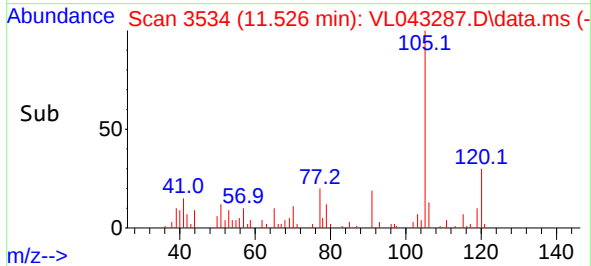
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:105 Resp: 5710
Ion Ratio Lower Upper
105 100
120 31.8 41.7 62.5
91 20.7 70.0 105.0
77 19.8 23.8 35.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: IA2
Lab Sample ID: Q3696-04
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected: 11/19/25
Date Received: 11/20/25
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/24/25 15:35	VL112425
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	11/24/25 15:35	VL112425
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/24/25 15:35	VL112425
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/24/25 15:35	VL112425
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/24/25 15:35	VL112425
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/24/25 15:35	VL112425
540-84-1	2,2,4-Trimethylpentane	0.25	1.17	J	1	0.65	2.34	11/24/25 15:35	VL112425
71-43-2	Benzene	0.34	1.09	J	1	0.26	1.60	11/24/25 15:35	VL112425
79-01-6	Trichloroethene	0.040	0.21		1	0.11	0.16	11/24/25 15:35	VL112425
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/24/25 15:35	VL112425
108-88-3	Toluene	0.42	1.58	J	1	0.60	1.88	11/24/25 15:35	VL112425
127-18-4	Tetrachloroethene	0.16	1.08		1	0.14	0.20	11/24/25 15:35	VL112425
179601-23-1	m/p-Xylene	0.41	1.78	U	1	1.78	4.34	11/24/25 15:35	VL112425
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17	11/24/25 15:35	VL112425
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 15:35	VL112425
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 15:35	VL112425
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52	11/24/25 15:35	VL112425
110-54-3	Hexane	0.51	1.80		1	0.56	1.76	11/24/25 15:35	VL112425

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	9.70		65 - 135	97% SPK: 10
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INTERNAL STANDARDS

	Area Count	
74-97-5	Bromochloromethane	106000
540-36-3	1,4-Difluorobenzene	275000
3114-55-4	Chlorobenzene-d5	211000

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043283.D
 Acq On : 24 Nov 2025 15:35
 Operator : SY/MD
 Sample : Q3696-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:41:31 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	106409	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	274861	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	210706	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	150182	9.724	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	8095	0.539	ppbv	96
3) Chlorodifluoromethane	1.476	51	4016m	0.272	ppbv	
4) Chloromethane	1.531	50	3099	0.552	ppbv #	82
9) Propene	1.486	41	6479	1.034	ppbv #	1
10) Heptane	4.975	43	2623m	0.141	ppbv	
11) Trichlorofluoromethane	1.878	101	3821	0.263	ppbv	88
13) Ethanol	1.719	45	42829	19.433	ppbv	99
15) Acetone	1.835	43	79460	5.375	ppbv	94
19) Isopropyl Alcohol	1.884	45	22670	2.714	ppbv #	32
20) Methylene Chloride	2.062	84	5919	0.623	ppbv #	90
26) Hexane	2.823	57	7099	0.508	ppbv #	44
29) Chloroform	2.845	83	2804	0.141	ppbv	98
34) 2-Butanone	2.557	43	15932	0.821	ppbv	96
35) Carbon Tetrachloride	3.755	117	1729m	0.083	ppbv	
36) Benzene	3.651	78	8923	0.339	ppbv	93
38) Trichloroethene	4.535	130	451m	0.044	ppbv	
41) Tetrahydrofuran	3.056	42	6044	0.564	ppbv	96
44) 2,2,4-Trimethylpentane	4.629	57	11320m	0.250	ppbv	
52) Tetrachloroethene	8.212	164	1588m	0.162	ppbv	
53) Toluene	6.923	91	13011m	0.417	ppbv	
59) m/p-Xylene	9.526	91	6433m	0.198	ppbv	

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

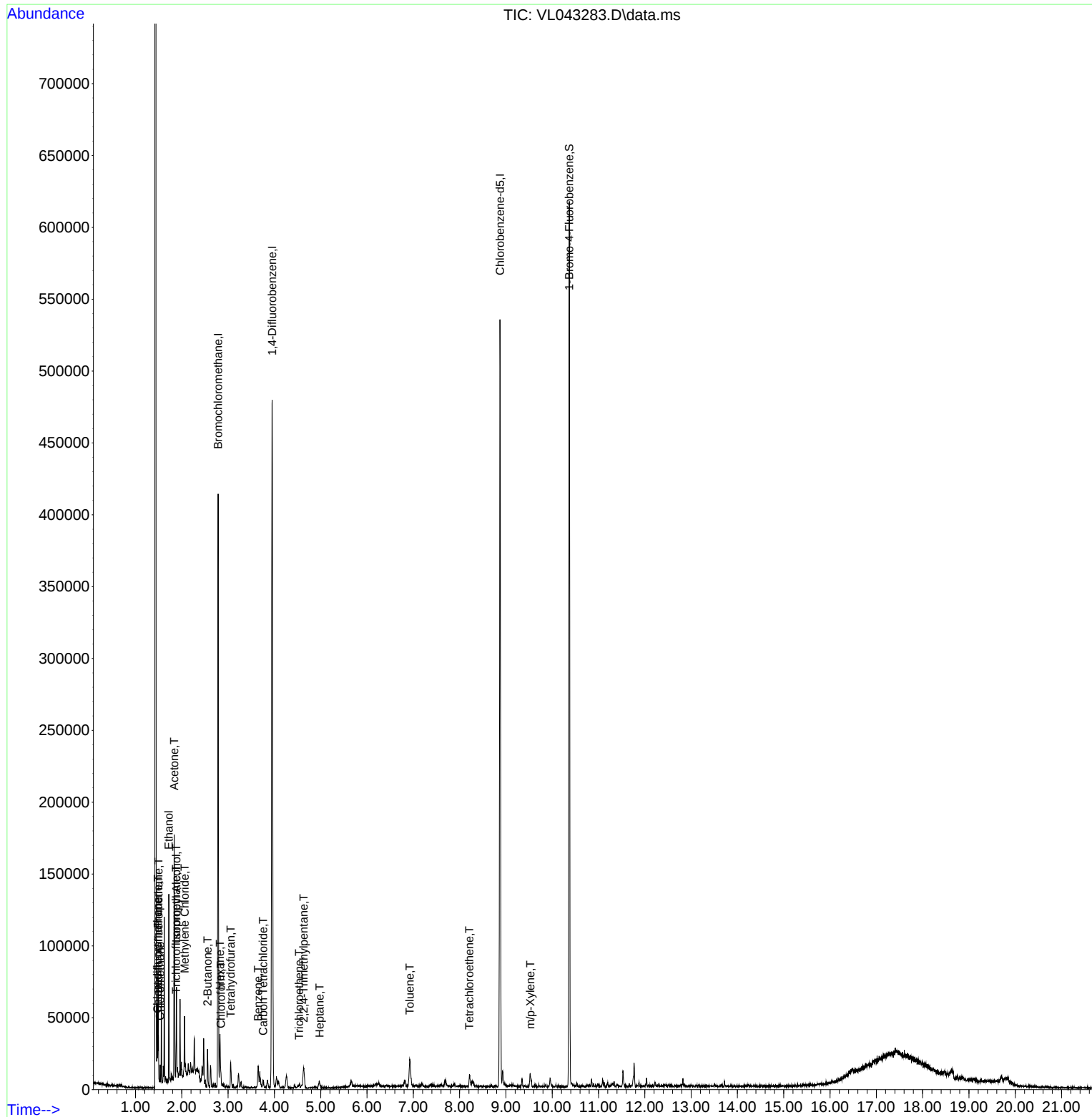
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043283.D
Acq On : 24 Nov 2025 15:35
Operator : SY/MD
Sample : Q3696-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

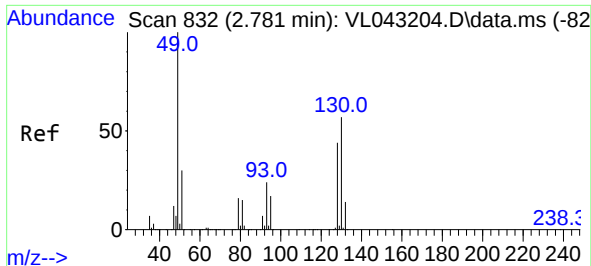
Instrument :
MSVOA_L
ClientSampleId :
IA2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

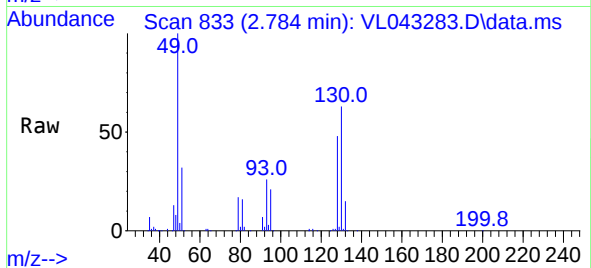
Quant Time: Nov 24 23:41:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

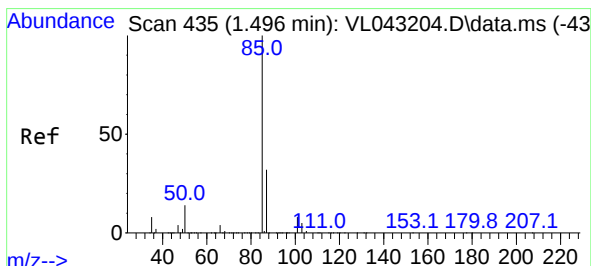
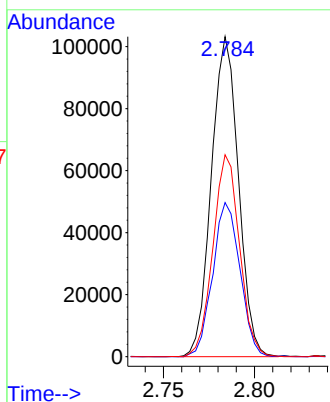
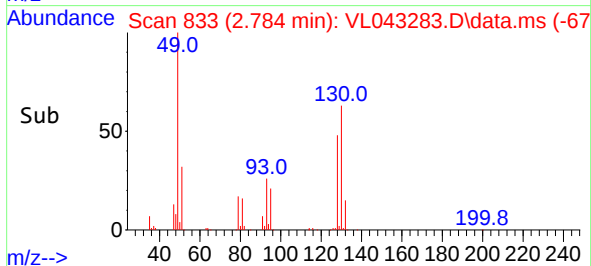
Instrument :
MSVOA_L
ClientSampleId :
IA2



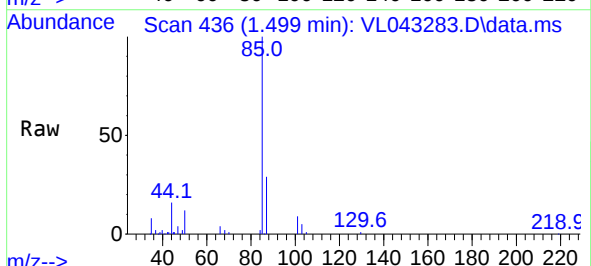
Tgt Ion: 49 Resp: 106409
Ion Ratio Lower Upper
49 100
128 48.8 23.0 69.0
130 62.0 29.9 89.7

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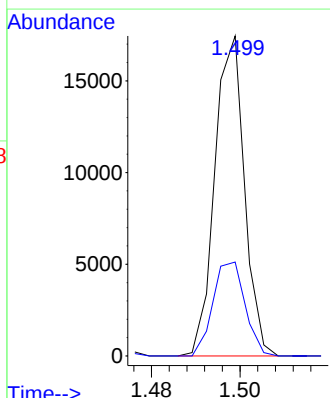
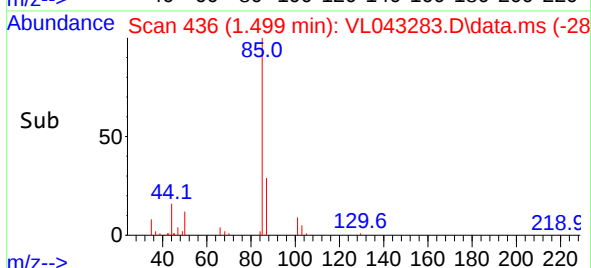
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

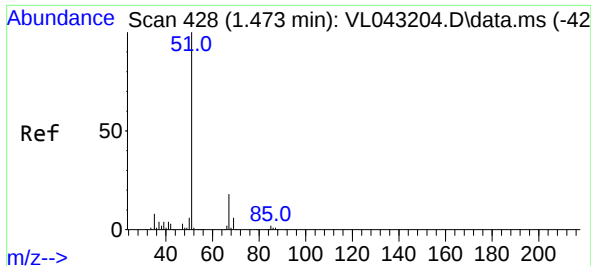


#2
Dichlorodifluoromethane
Concen: 0.539 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35



Tgt Ion: 85 Resp: 8095
Ion Ratio Lower Upper
85 100
87 29.3 25.4 38.2





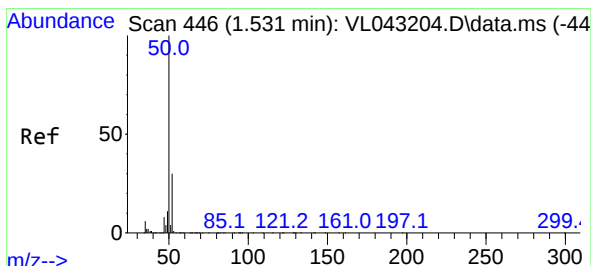
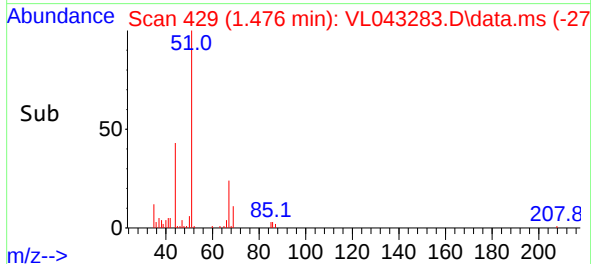
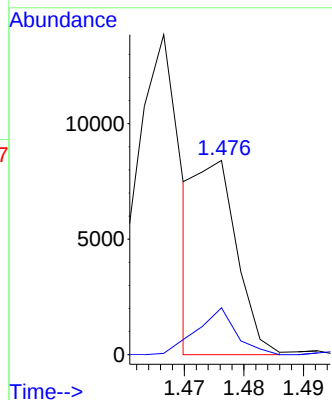
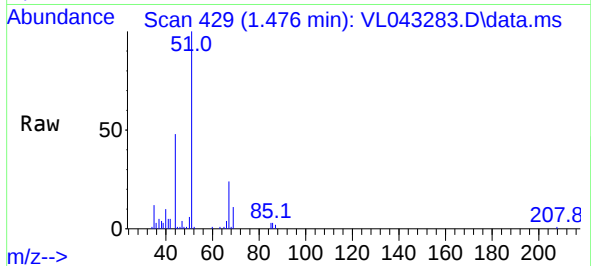
#3
Chlorodifluoromethane
Concen: 0.272 ppbv m
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 51 Resp: 4010
Ion Ratio Lower Upper
51 100
67 4.1 14.9 22.3

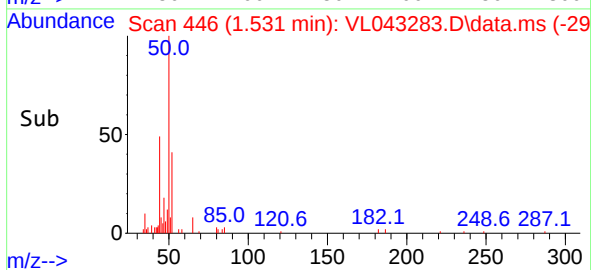
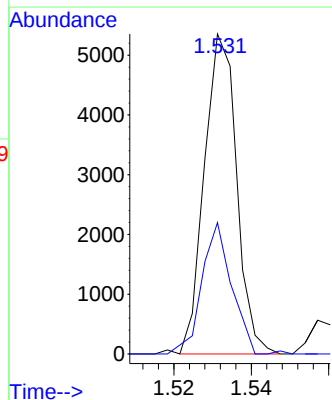
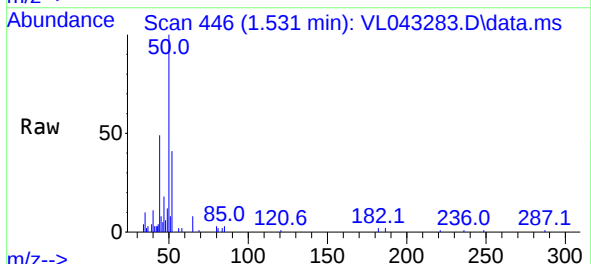
Manual Integrations
APPROVED

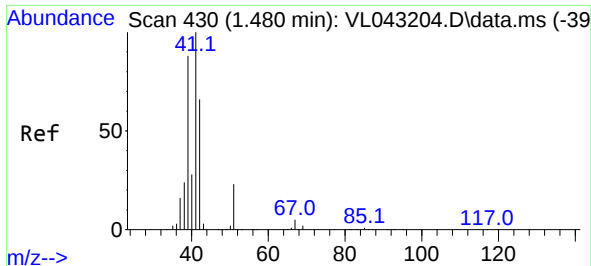
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#4
Chloromethane
Concen: 0.552 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

Tgt Ion: 50 Resp: 3099
Ion Ratio Lower Upper
50 100
52 40.1 24.1 36.1





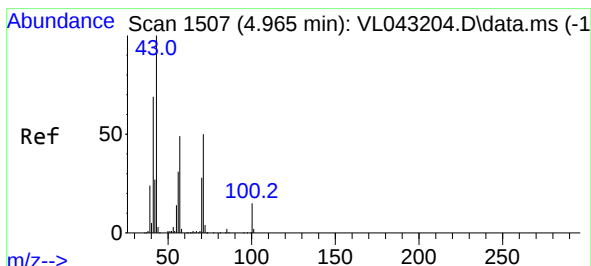
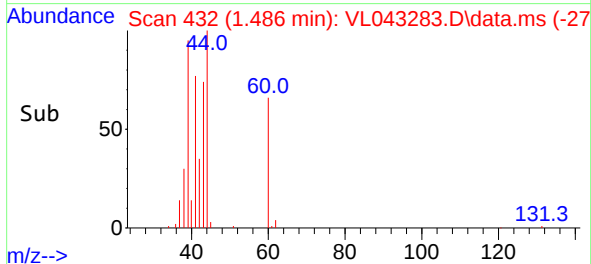
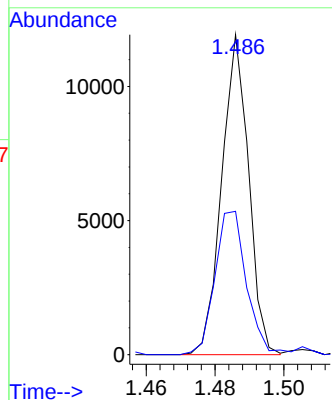
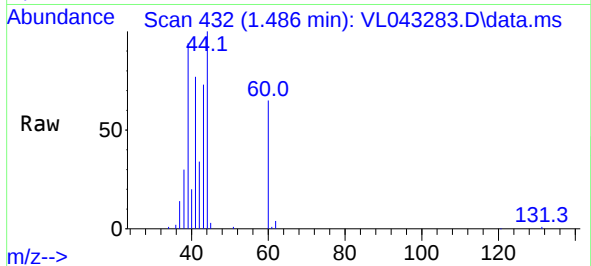
#9
Propene
Concen: 1.034 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 41 Resp: 6479
Ion Ratio Lower Upper
41 100
42 58.6 3.7 5.5

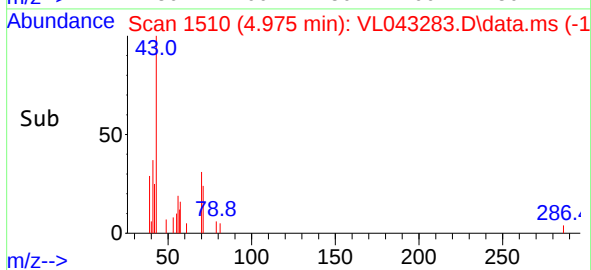
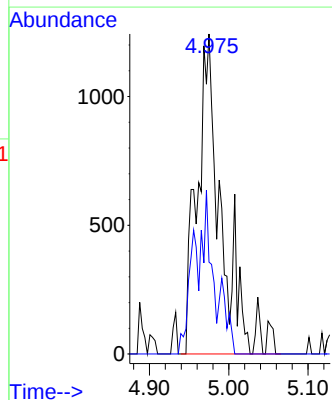
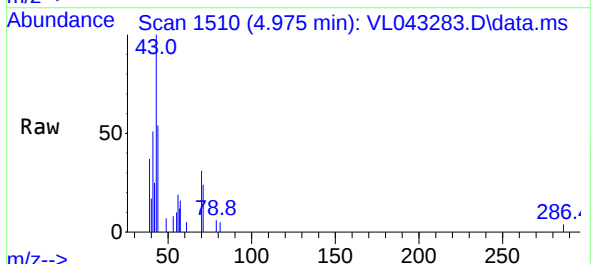
Manual Integrations
APPROVED

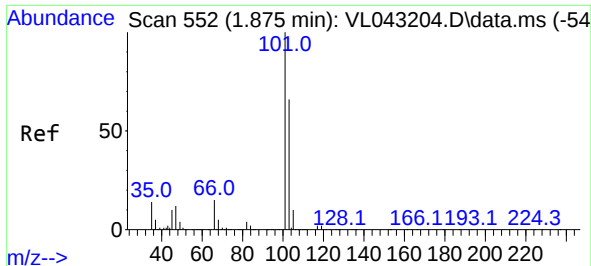
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#10
Heptane
Concen: 0.141 ppbv m
RT: 4.975 min Scan# 1510
Delta R.T. 0.010 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

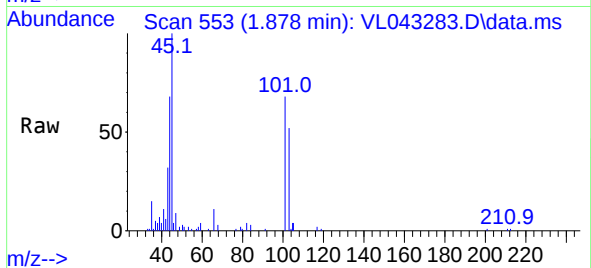
Tgt Ion: 43 Resp: 2623
Ion Ratio Lower Upper
43 100
57 42.1 39.7 59.5





#11
Trichlorofluoromethane
Concen: 0.263 ppbv
RT: 1.878 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

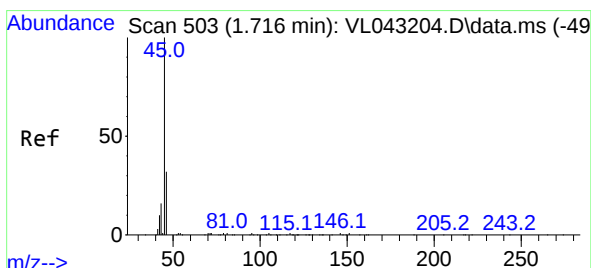
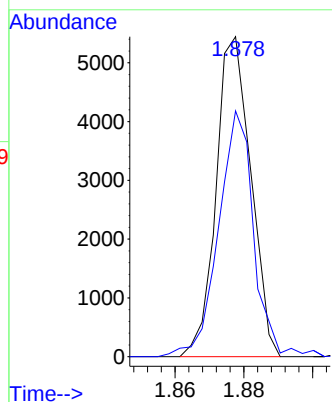
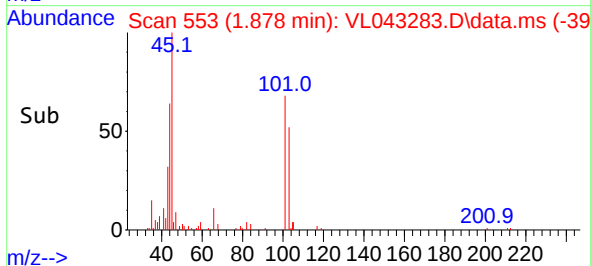
Instrument :
MSVOA_L
ClientSampleId :
IA2



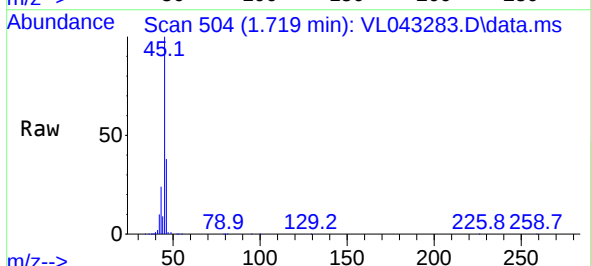
Tgt Ion:101 Resp: 382
Ion Ratio Lower Upper
101 100
103 75.7 52.6 79.0

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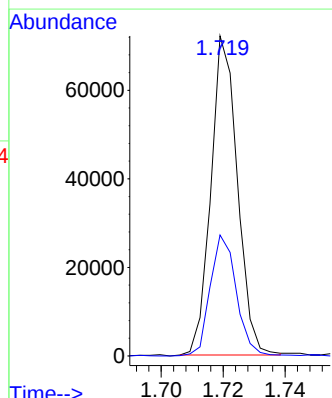
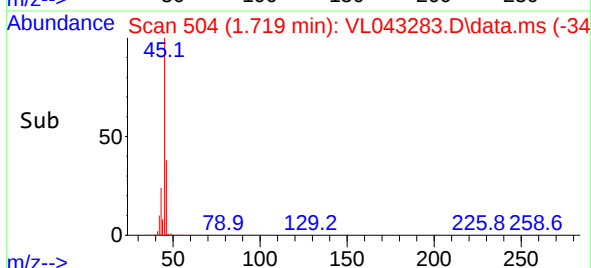
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

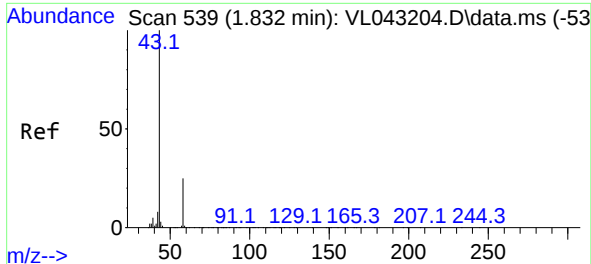


#13
Ethanol
Concen: 19.433 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35



Tgt Ion: 45 Resp: 42829
Ion Ratio Lower Upper
45 100
46 37.9 15.0 59.8





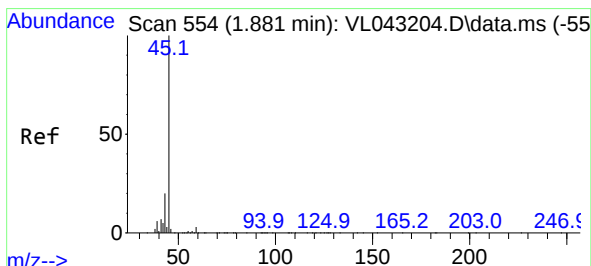
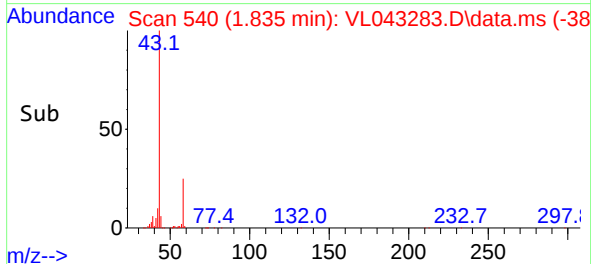
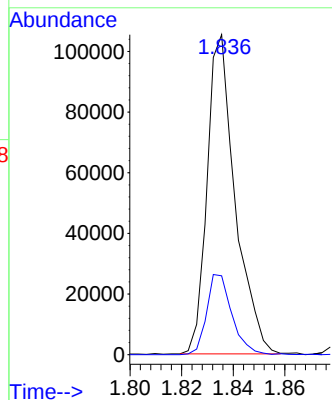
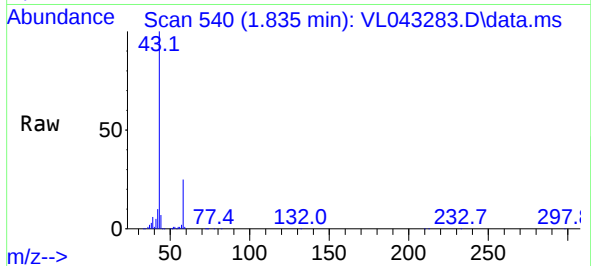
#15
Acetone
Concen: 5.375 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 43 Resp: 79460
Ion Ratio Lower Upper
43 100
58 23.1 20.7 31.1

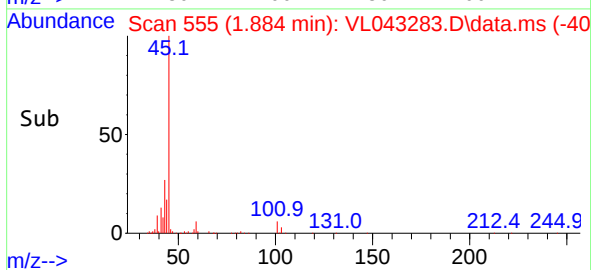
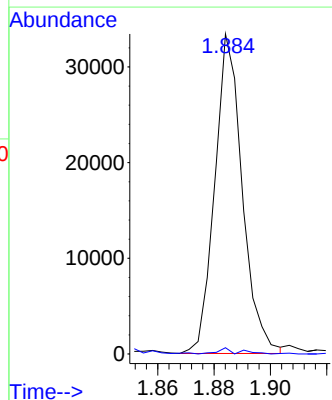
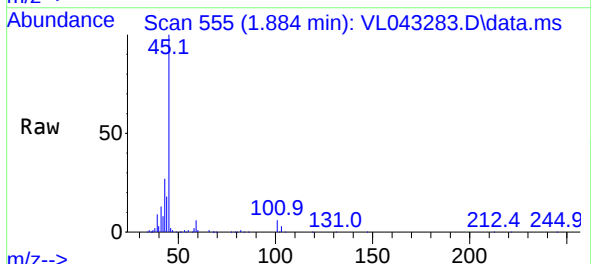
Manual Integrations
APPROVED

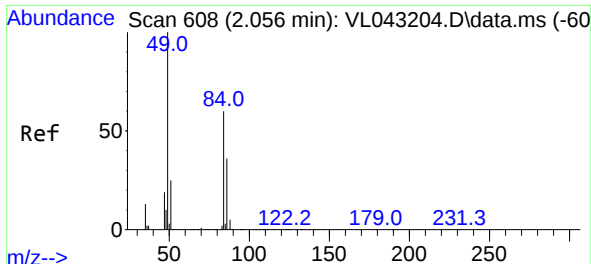
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#19
Isopropyl Alcohol
Concen: 2.714 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

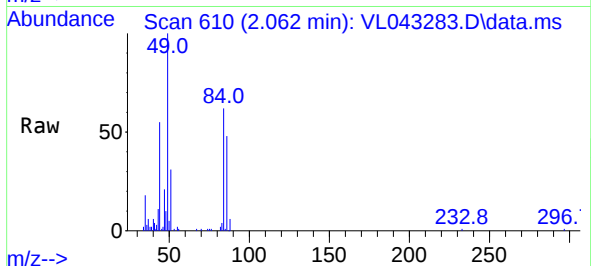
Tgt Ion: 45 Resp: 22670
Ion Ratio Lower Upper
45 100
58 80.8 31.3 46.9#





#20
Methylene Chloride
Concen: 0.623 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

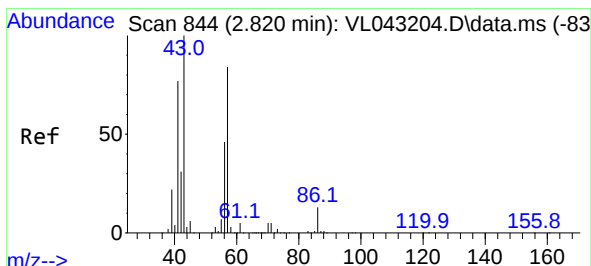
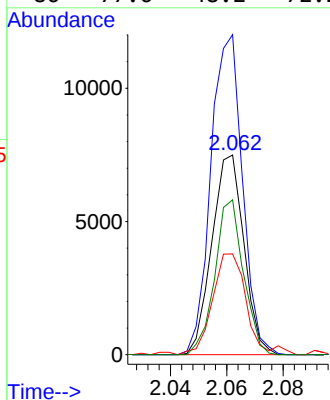
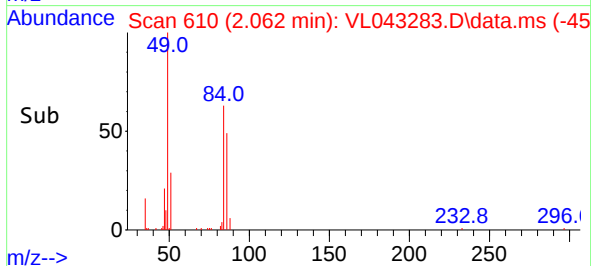


Tgt Ion: 84 Resp: 5919

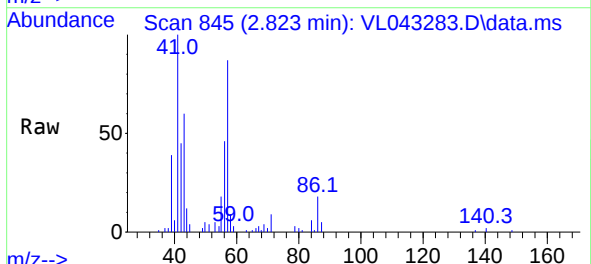
Ion	Ratio	Lower	Upper
84	100		
49	160.2	132.9	199.3
51	50.5	34.8	52.2
86	77.6	48.2	72.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

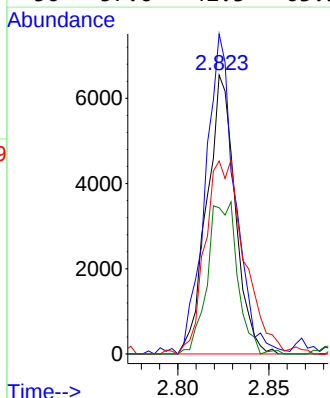
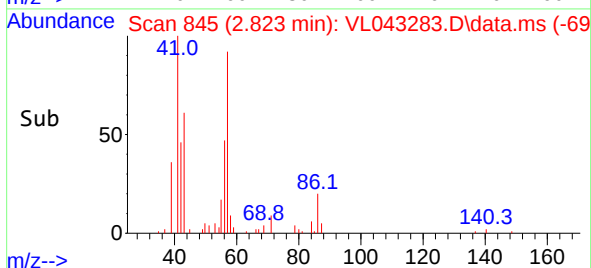


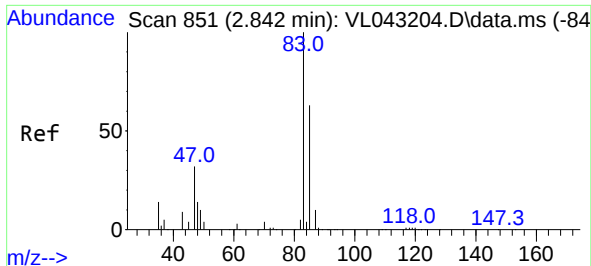
#26
Hexane
Concen: 0.508 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35



Tgt Ion: 57 Resp: 7099

Ion	Ratio	Lower	Upper
57	100		
41	124.5	74.6	111.8
43	97.0	179.0	268.4
56	57.6	42.3	63.5





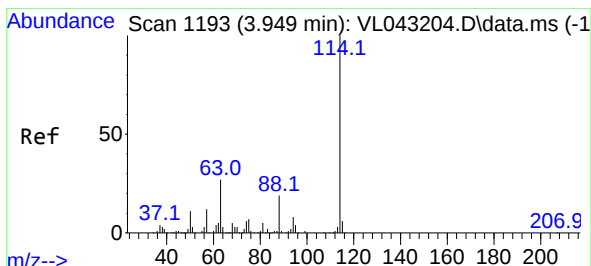
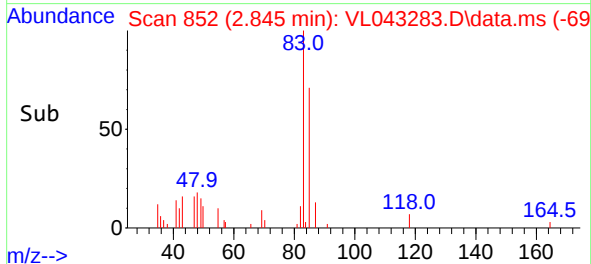
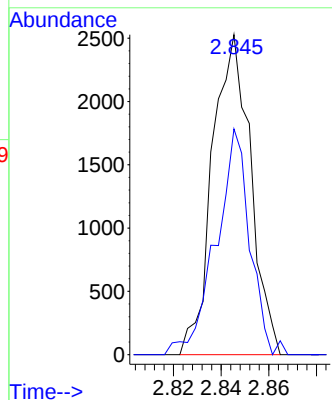
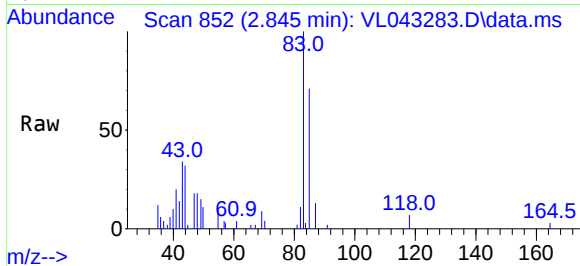
#29
Chloroform
Concen: 0.141 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 83 Resp: 2804
Ion Ratio Lower Upper
83 100
85 64.4 50.5 75.7

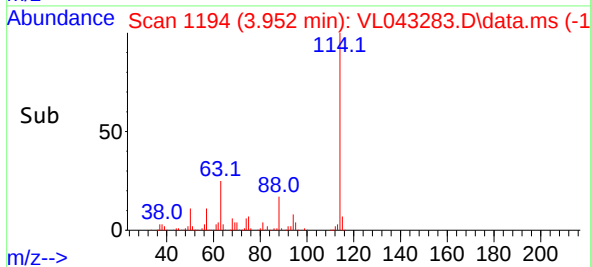
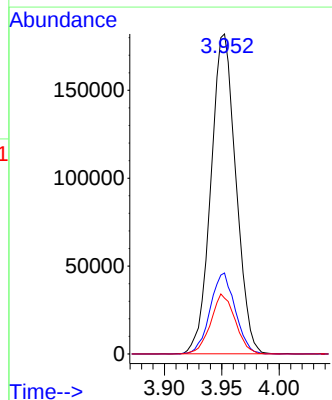
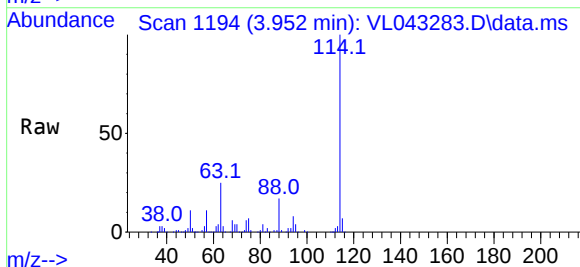
Manual Integrations
APPROVED

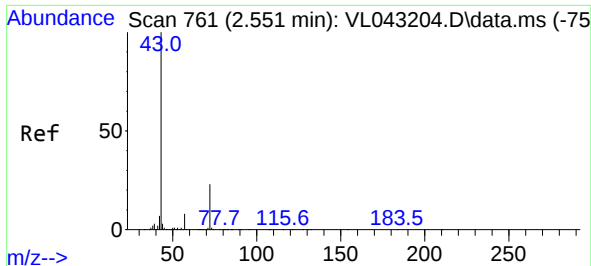
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

Tgt Ion:114 Resp: 274861
Ion Ratio Lower Upper
114 100
63 25.5 21.0 31.6
88 18.5 14.9 22.3





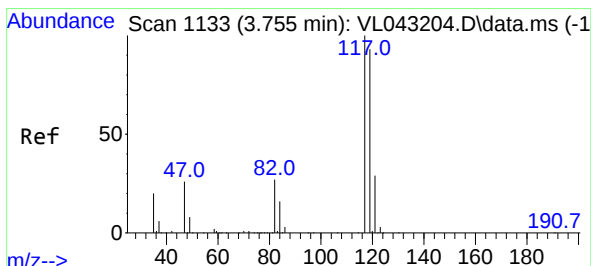
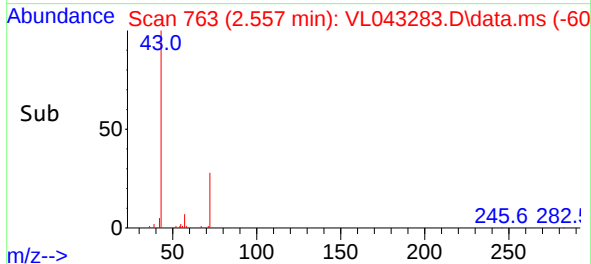
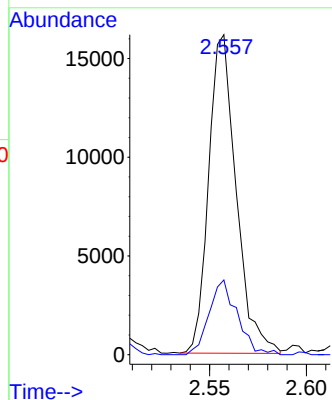
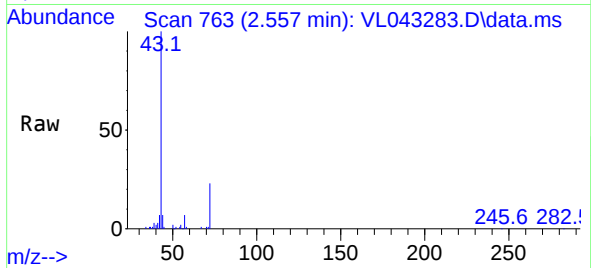
#34
2-Butanone
Concen: 0.821 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 43 Resp: 1593
Ion Ratio Lower Upper
43 100
72 24.3 18.1 27.1

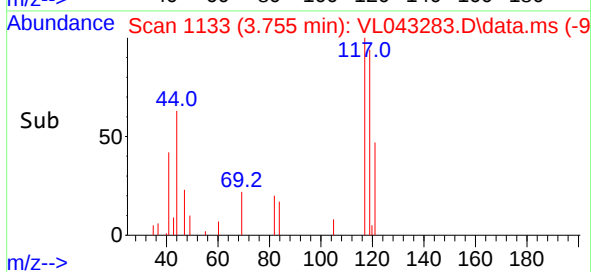
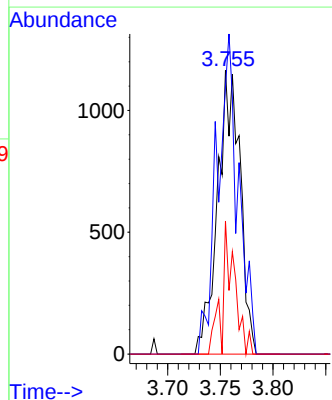
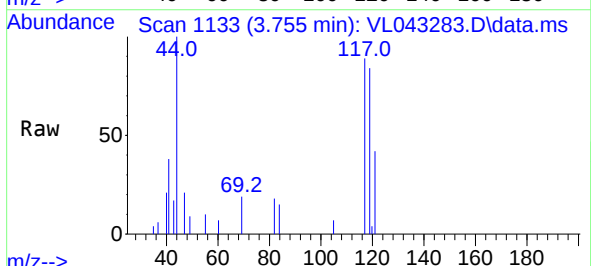
Manual Integrations
APPROVED

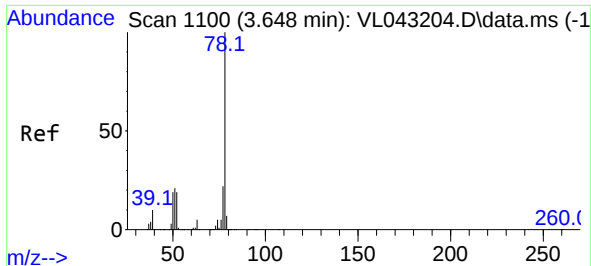
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#35
Carbon Tetrachloride
Concen: 0.083 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

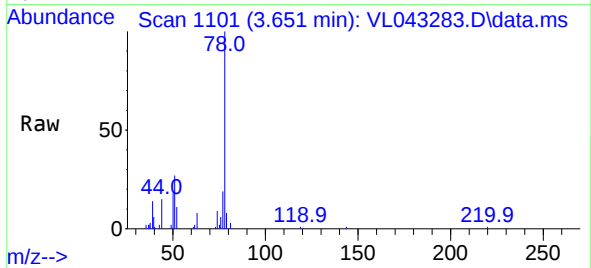
Tgt Ion:117 Resp: 1729
Ion Ratio Lower Upper
117 100
119 94.3 74.6 112.0
121 46.9 23.2 34.8#





#36
Benzene
Concen: 0.339 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

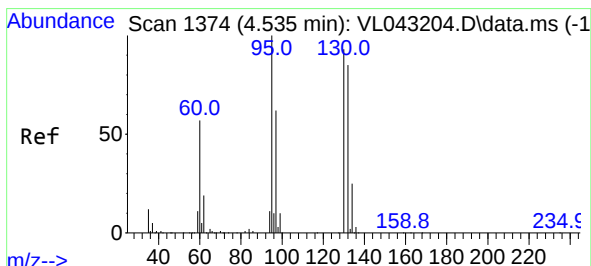
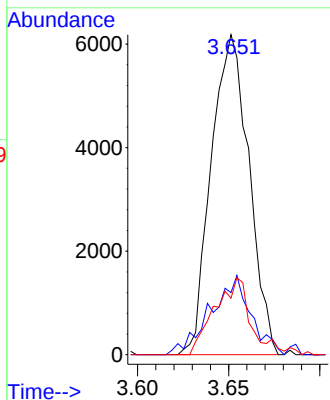
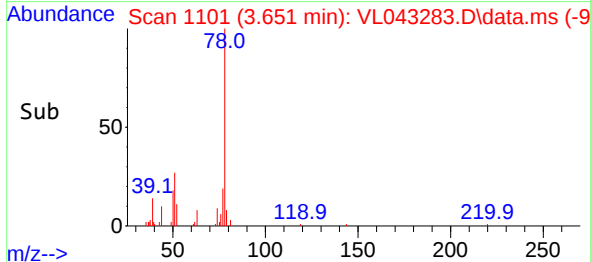
Instrument :
MSVOA_L
ClientSampleId :
IA2



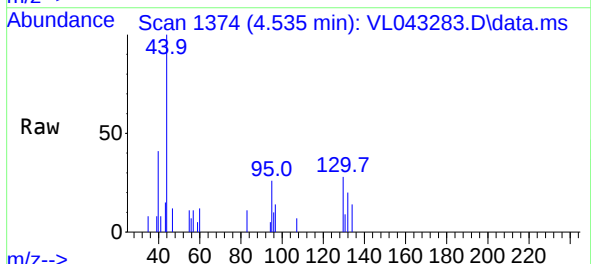
Tgt Ion: 78 Resp: 892
Ion Ratio Lower Upper
78 100
77 17.5 17.5 26.3
50 17.6 15.5 23.3

Manual Integrations
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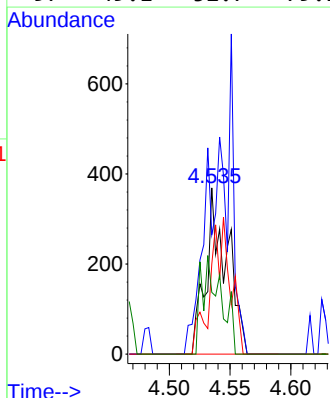
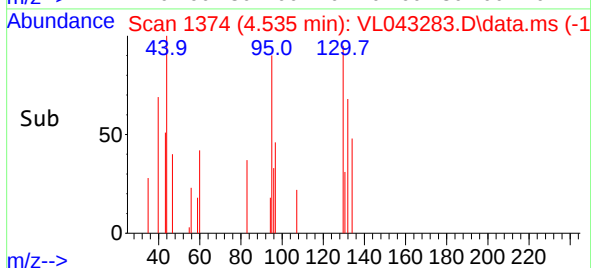
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

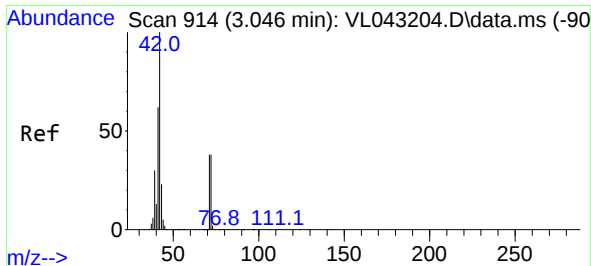


#38
Trichloroethene
Concen: 0.044 ppbv m
RT: 4.535 min Scan# 1374
Delta R.T. -0.000 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35



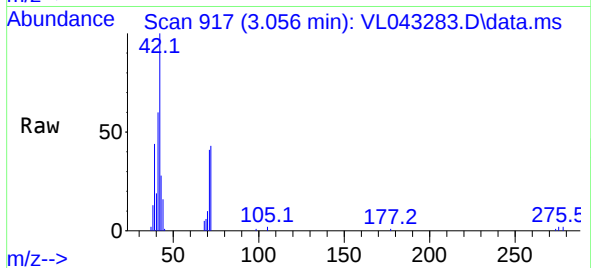
Tgt Ion:130 Resp: 451
Ion Ratio Lower Upper
130 100
95 95.0 85.7 128.5
132 71.7 73.4 110.0#
97 49.1 52.7 79.1#





#41
Tetrahydrofuran
Concen: 0.564 ppbv
RT: 3.056 min Scan# 914
Delta R.T. 0.010 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

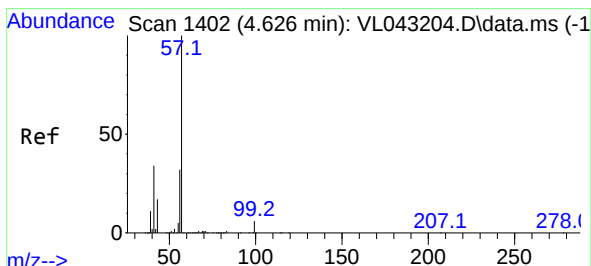
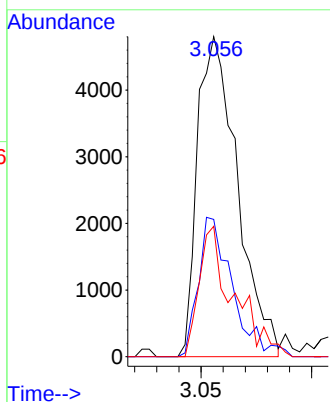
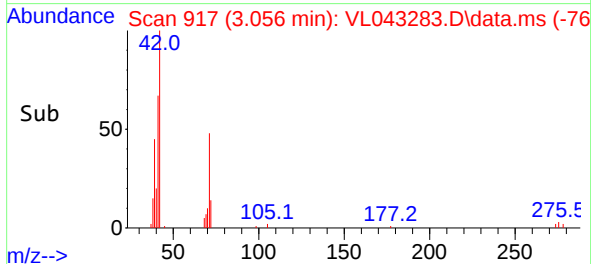
Instrument :
MSVOA_L
ClientSampleId :
IA2



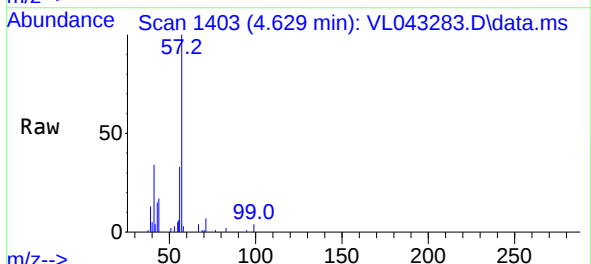
Tgt Ion: 42 Resp: 6044
Ion Ratio Lower Upper
42 100
72 37.0 30.6 46.0
71 35.0 30.5 45.7

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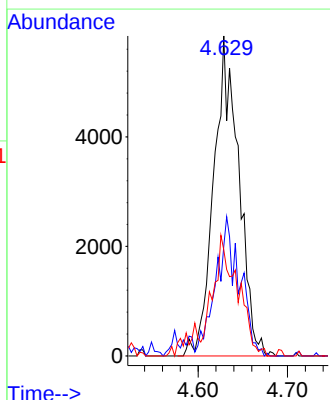
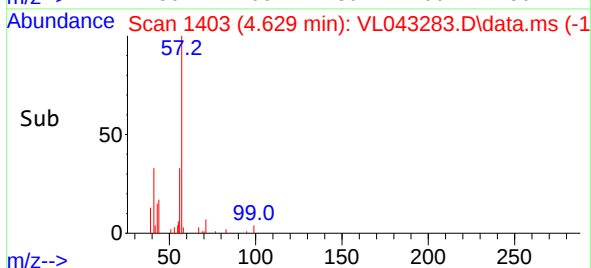
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

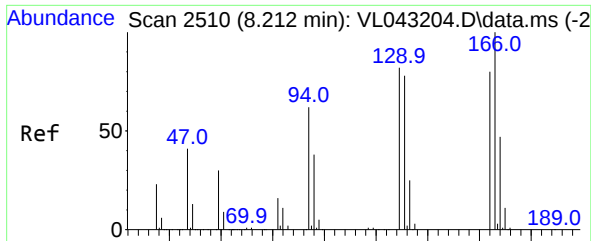


#44
2,2,4-Trimethylpentane
Concen: 0.250 ppbv m
RT: 4.629 min Scan# 1403
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35



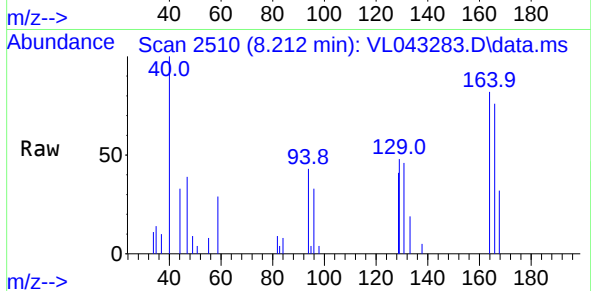
Tgt Ion: 57 Resp: 11320
Ion Ratio Lower Upper
57 100
41 0.0 28.0 42.0#
56 42.2 25.6 38.4#





#52
Tetrachloroethene
Concen: 0.162 ppbv m
RT: 8.212 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

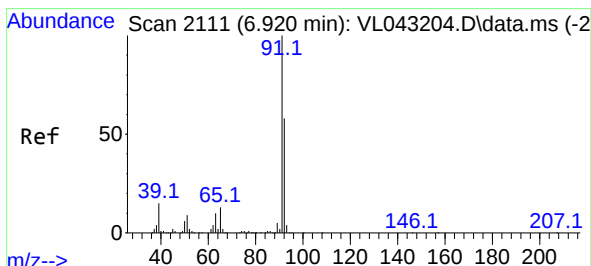
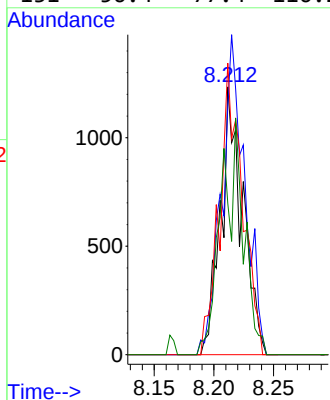
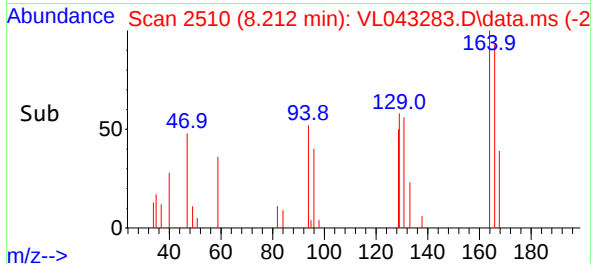
Instrument :
MSVOA_L
ClientSampleId :
IA2



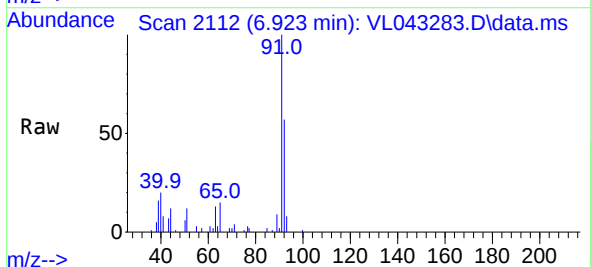
Tgt Ion:164 Resp: 1588
Ion Ratio Lower Upper
164 100
166 92.9 99.4 149.2
129 58.4 81.8 122.8
131 56.4 77.4 116.2#

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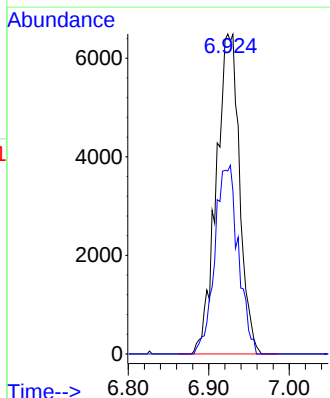
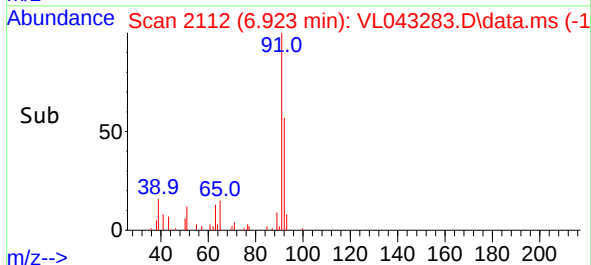
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

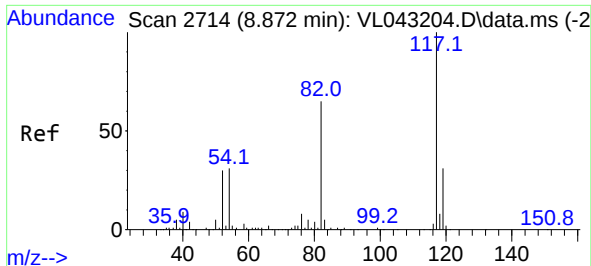


#53
Toluene
Concen: 0.417 ppbv m
RT: 6.923 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35



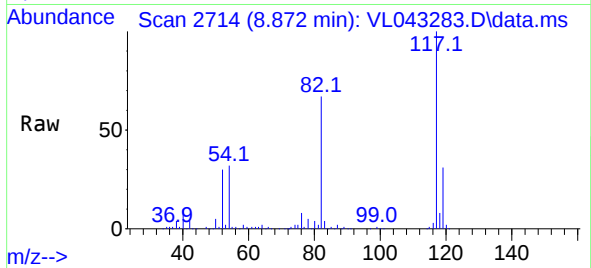
Tgt Ion: 91 Resp: 13011
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 210700
Delta R.T. -0.000 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

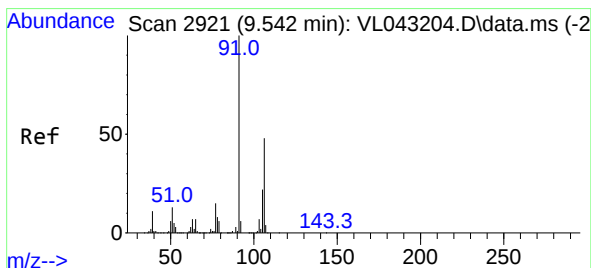
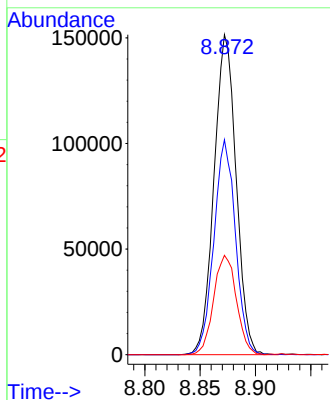
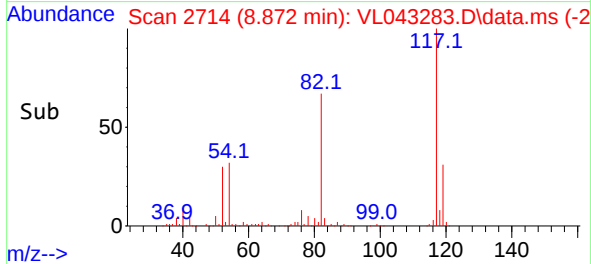
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion:117 Resp: 210700
Ion Ratio Lower Upper
117 100
82 65.5 56.1 84.1
119 32.1 25.0 37.6

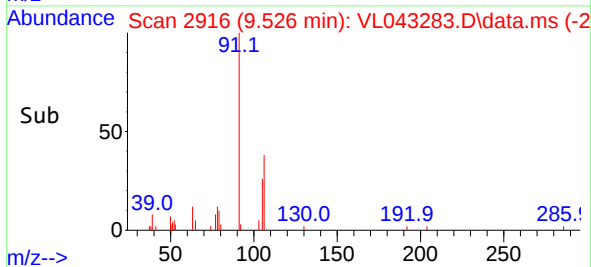
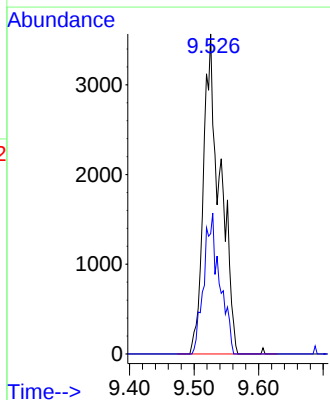
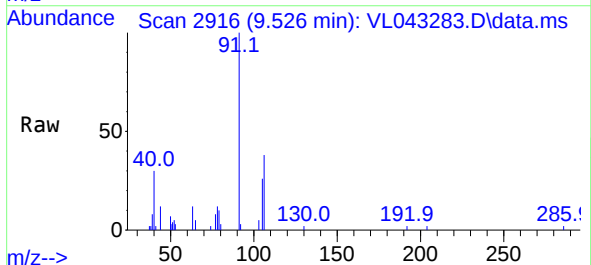
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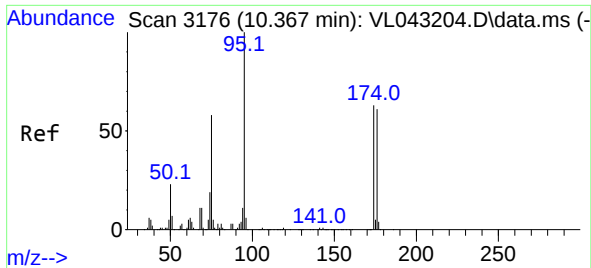
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#59
m/p-Xylene
Concen: 0.198 ppbv m
RT: 9.526 min Scan# 2916
Delta R.T. -0.016 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

Tgt Ion: 91 Resp: 6433
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





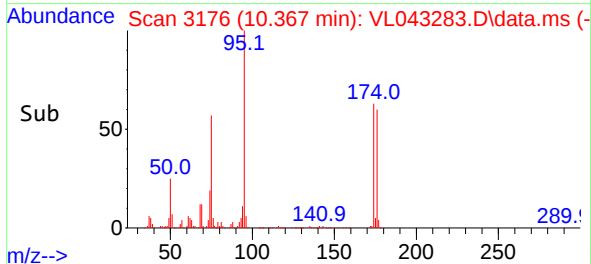
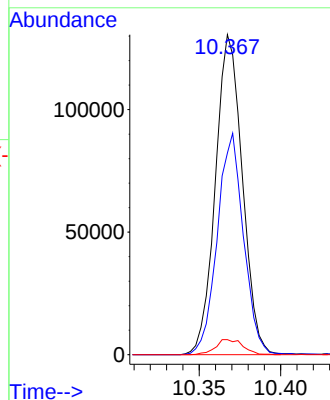
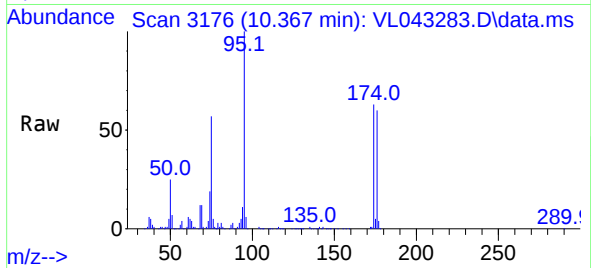
#68
1-Bromo-4-Fluorobenzene
Concen: 9.724 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043283.D
Acq: 24 Nov 2025 15:35

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 95 Resp: 15018
Ion Ratio Lower Upper
95 100
174 67.9 50.2 75.2
175 4.8 4.1 6.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: SV3
Lab Sample ID: Q3696-05
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected: 11/19/25
Date Received: 11/20/25
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.10	0.26	U	4	0.26	0.31	11/24/25 18:20	VL112425
142-82-5	Heptane	0.68	2.79	U	4	2.79	8.20	11/24/25 18:20	VL112425
75-34-3	1,1-Dichloroethane	0.52	2.10	U	4	2.10	8.09	11/24/25 18:20	VL112425
110-82-7	Cyclohexane	0.88	3.03	U	4	3.03	6.88	11/24/25 18:20	VL112425
156-59-2	cis-1,2-Dichloroethene	0.40	1.59	U	4	1.59	7.93	11/24/25 18:20	VL112425
71-55-6	1,1,1-Trichloroethane	0.060	0.33	U	4	0.33	0.65	11/24/25 18:20	VL112425
540-84-1	2,2,4-Trimethylpentane	0.56	2.62	U	4	2.62	9.34	11/24/25 18:20	VL112425
71-43-2	Benzene	0.81	2.59	J	4	1.02	6.39	11/24/25 18:20	VL112425
79-01-6	Trichloroethene	14.7	79.0		4	0.54	0.64	11/24/25 18:20	VL112425
75-27-4	Bromodichloromethane	1.40	9.38	J	4	1.67	13.4	11/24/25 18:20	VL112425
108-88-3	Toluene	1.20	4.52	J	4	2.41	7.54	11/24/25 18:20	VL112425
127-18-4	Tetrachloroethene	34.1	231		4	0.41	0.81	11/24/25 18:20	VL112425
179601-23-1	m/p-Xylene	1.60	6.95	U	4	6.95	17.4	11/24/25 18:20	VL112425
95-47-6	o-Xylene	0.84	3.65	U	4	3.65	8.69	11/24/25 18:20	VL112425
108-67-8	1,3,5-Trimethylbenzene	0.72	3.54	U	4	3.54	9.83	11/24/25 18:20	VL112425
95-63-6	1,2,4-Trimethylbenzene	0.72	3.54	U	4	3.54	9.83	11/24/25 18:20	VL112425
91-20-3	Naphthalene	0.050	0.26	U	4	0.26	2.10	11/24/25 18:20	VL112425
110-54-3	Hexane	1.40	4.93	J	4	2.26	7.05	11/24/25 18:20	VL112425

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	9.80		65 - 135	98% SPK: 10
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INTERNAL STANDARDS

	Area Count	
74-97-5	Bromochloromethane	116000
540-36-3	1,4-Difluorobenzene	303000
3114-55-4	Chlorobenzene-d5	230000

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043288.D
 Acq On : 24 Nov 2025 18:20
 Operator : SY/MD
 Sample : Q3696-05 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:43:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	115982	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	303381	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	230111	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	165856	9.833	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.492	85	2423	0.148	ppbv	93
9) Propene	1.482	41	7825	1.145	ppbv #	1
11) Trichlorofluoromethane	1.871	101	19755m	1.246	ppbv	
13) Ethanol	1.722	45	4902	2.041	ppbv #	38
15) Acetone	1.839	43	40278	2.500	ppbv	100
20) Methylene Chloride	2.065	84	7516	0.866	ppbv	91
26) Hexane	2.829	57	5267m	0.346	ppbv	
29) Chloroform	2.852	83	533459	24.632	ppbv	99
34) 2-Butanone	2.560	43	3858	0.180	ppbv #	88
36) Benzene	3.654	78	5877	0.202	ppbv #	87
38) Trichloroethene	4.541	130	41684	3.667	ppbv	96
42) Bromodichloromethane	4.486	83	8283	0.353	ppbv #	92
52) Tetrachloroethene	8.215	164	92160	8.527	ppbv	98
53) Toluene	6.923	91	10148m	0.295	ppbv	
59) m/p-Xylene	9.522	91	8100m	0.228	ppbv	
74) 1,2,4-Trimethylbenzene	11.529	105	5843	0.148	ppbv #	45

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

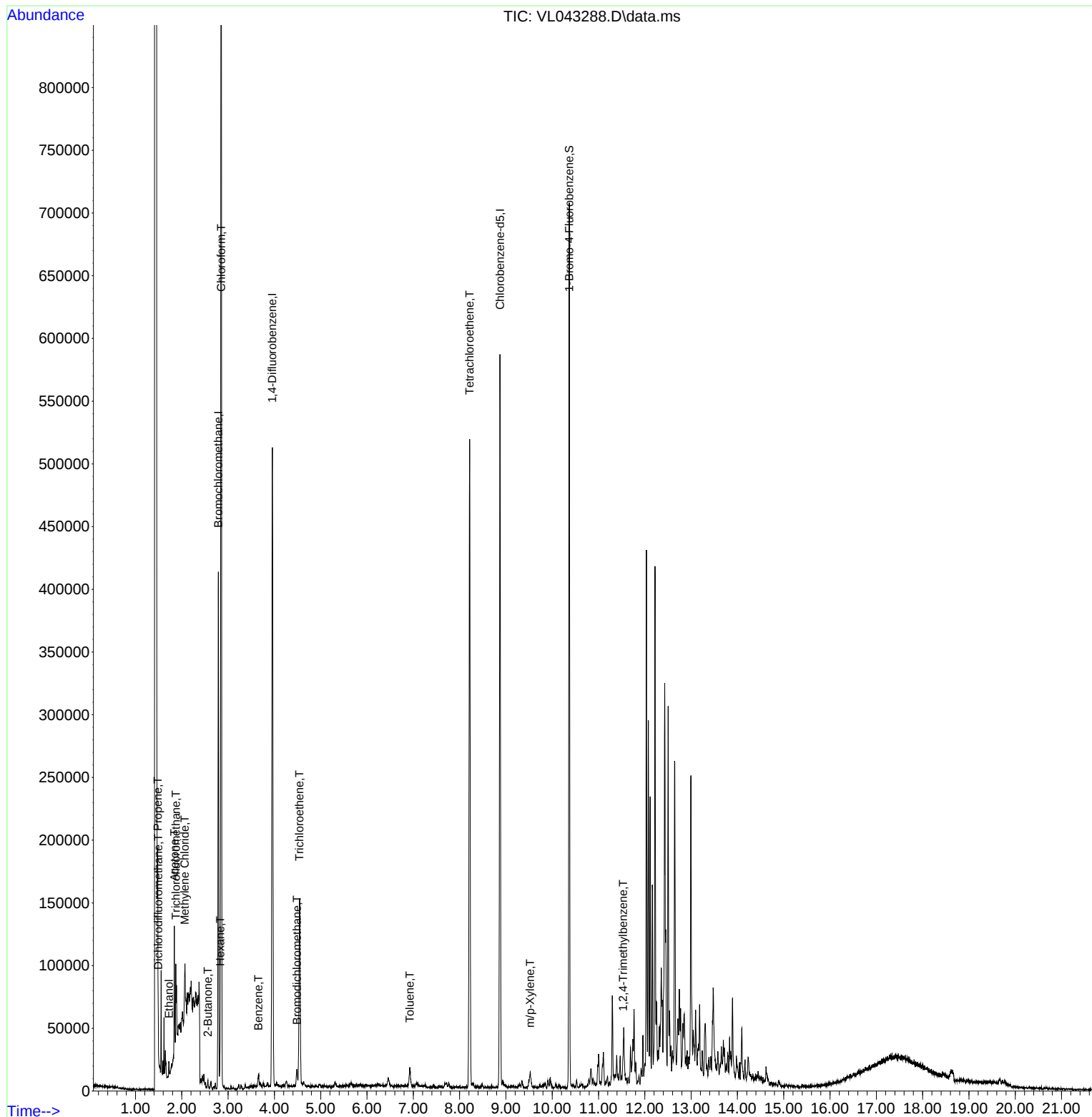
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043288.D
Acq On : 24 Nov 2025 18:20
Operator : SY/MD
Sample : Q3696-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

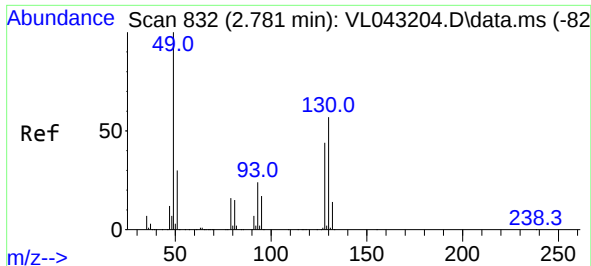
Instrument :
MSVOA_L
ClientSampleId :
SV3

Quant Time: Nov 24 23:43:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 11/25/2025
Supervised By : Mahesh Dadoda 11/25/2025





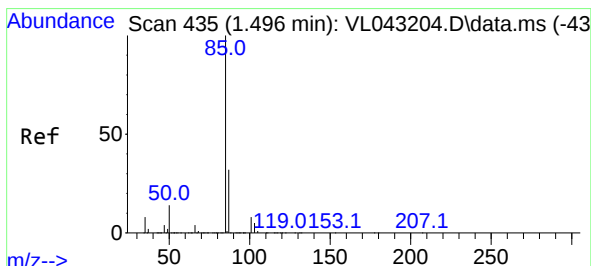
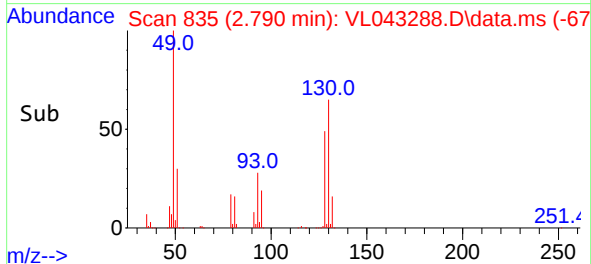
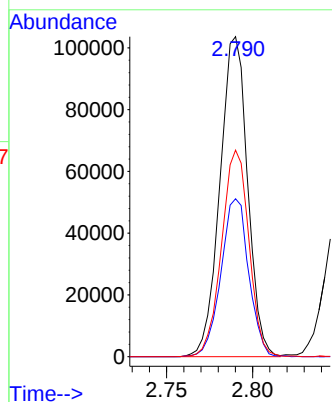
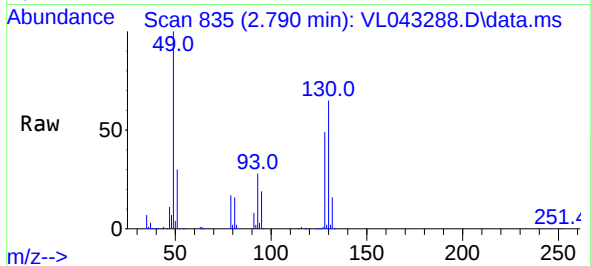
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 49 Resp: 11598
Ion Ratio Lower Upper
49 100
128 49.5 23.0 69.0
130 63.8 29.9 89.7

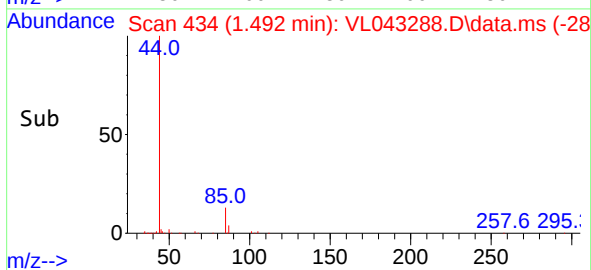
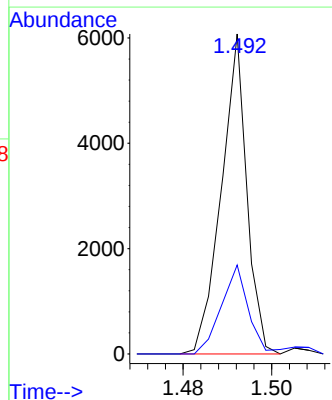
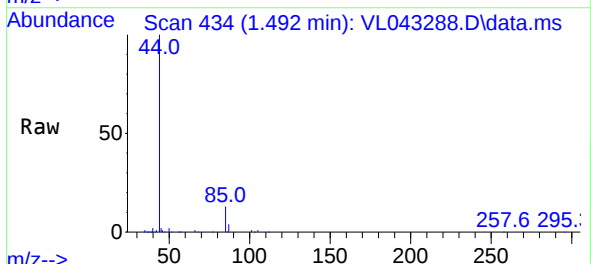
Manual Integrations
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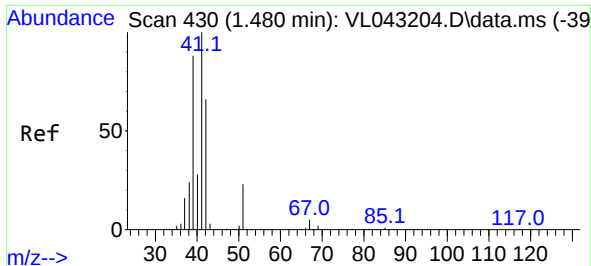
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#2
Dichlorodifluoromethane
Concen: 0.148 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.004 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

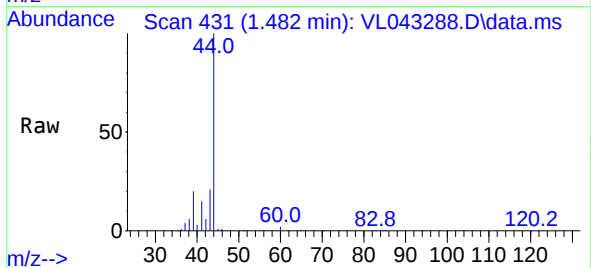
Tgt Ion: 85 Resp: 2423
Ion Ratio Lower Upper
85 100
87 27.8 25.4 38.2





#9
Propene
Concen: 1.145 ppbv
RT: 1.482 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

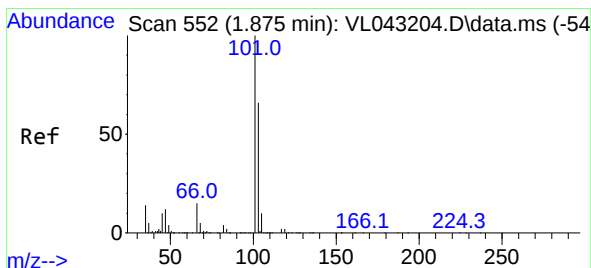
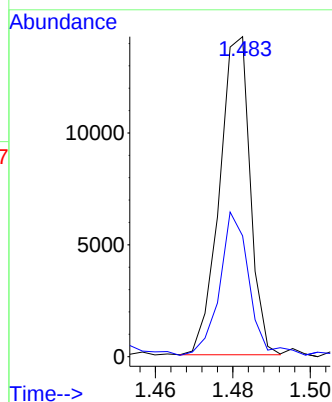
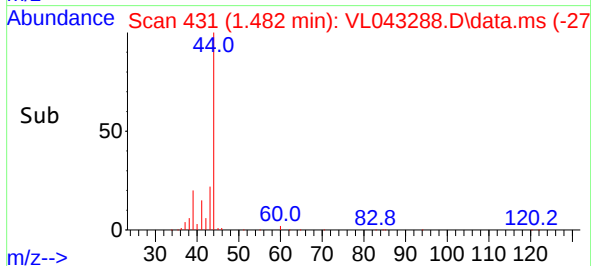
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 41 Resp: 7825
Ion Ratio Lower Upper
41 100
42 47.8 3.7 5.5

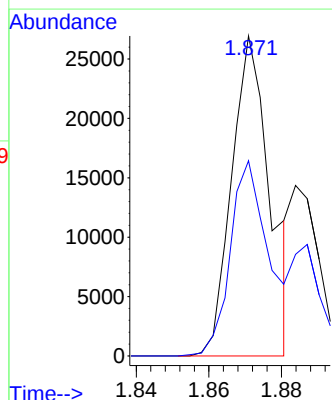
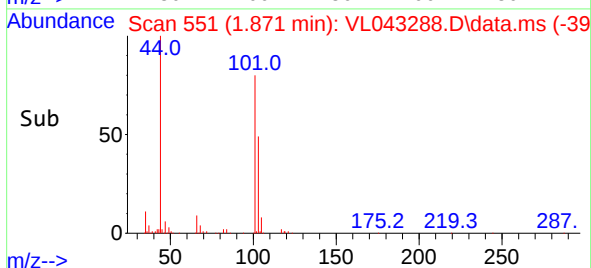
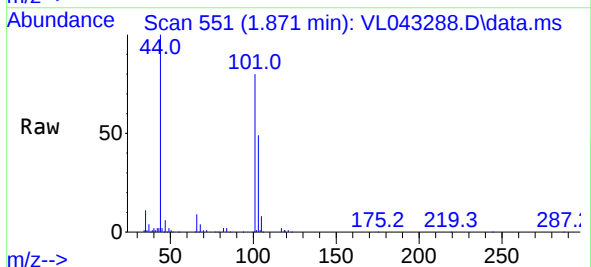
Manual Integrations
APPROVED

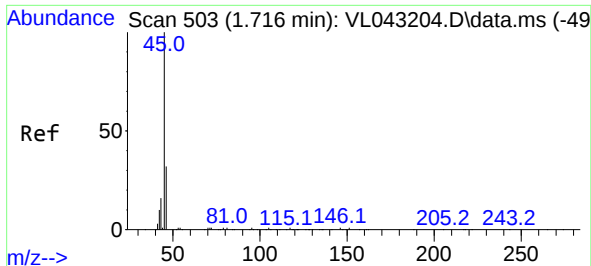
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#11
Trichlorofluoromethane
Concen: 1.246 ppbv m
RT: 1.871 min Scan# 551
Delta R.T. -0.004 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

Tgt Ion:101 Resp: 19755
Ion Ratio Lower Upper
101 100
103 61.0 52.6 79.0





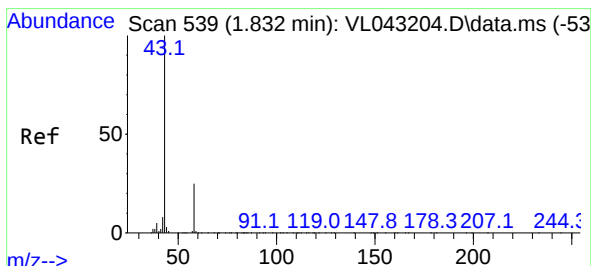
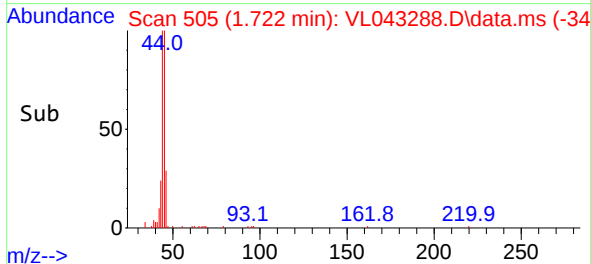
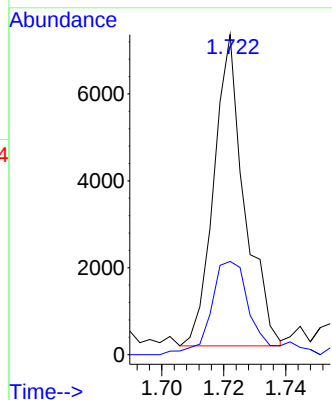
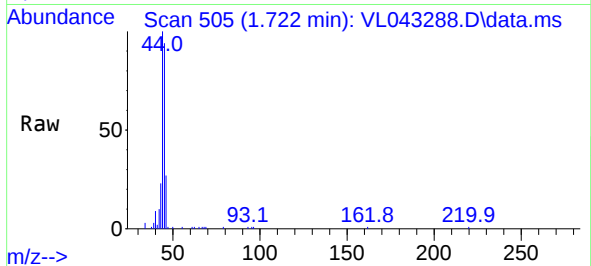
#13
Ethanol
Concen: 2.041 ppbv
RT: 1.722 min Scan# 503
Delta R.T. 0.006 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 45 Resp: 4902
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8

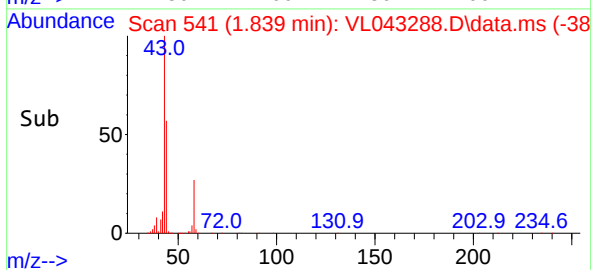
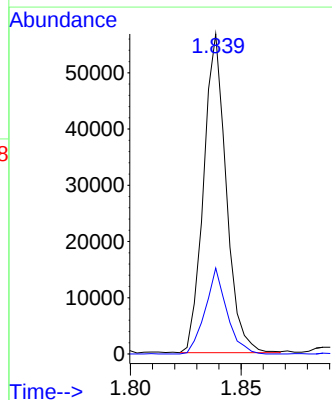
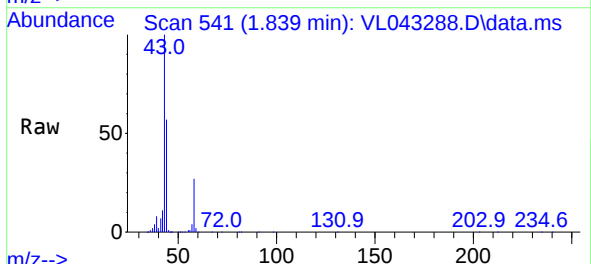
Manual Integrations
APPROVED

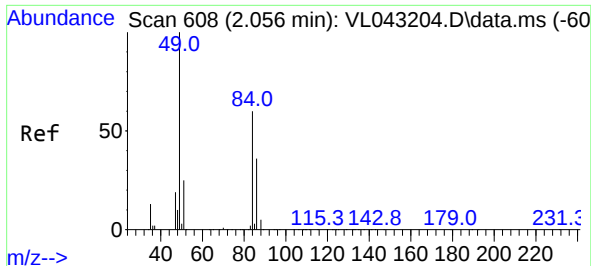
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#15
Acetone
Concen: 2.500 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

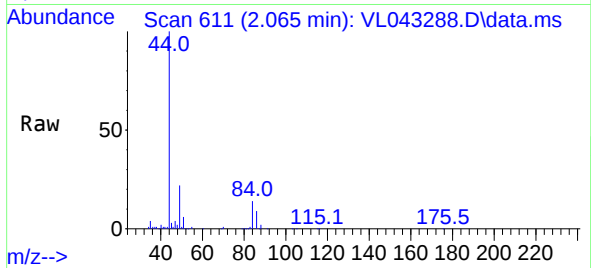
Tgt Ion: 43 Resp: 40278
Ion Ratio Lower Upper
43 100
58 25.8 20.7 31.1





#20
Methylene Chloride
Concen: 0.866 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.009 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

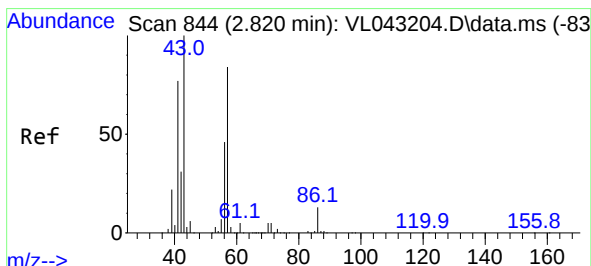
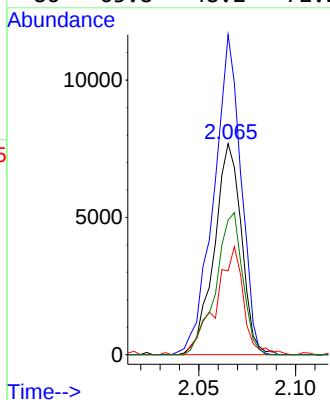
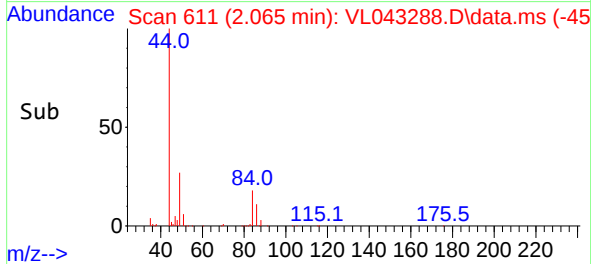
Instrument :
MSVOA_L
ClientSampleId :
SV3



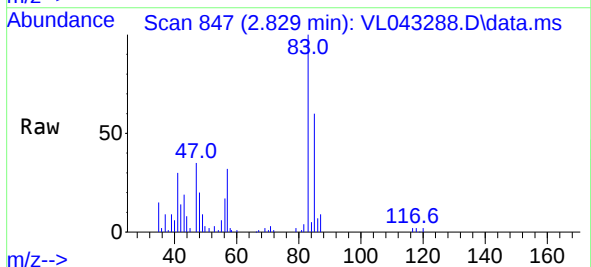
Tgt Ion: 84 Resp: 7510
Ion Ratio Lower Upper
84 100
49 151.6 132.9 199.3
51 39.7 34.8 52.2
86 63.8 48.2 72.2

Manual Integrations
APPROVED

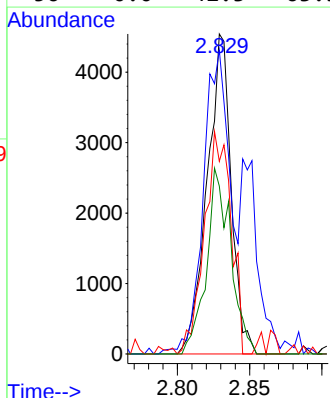
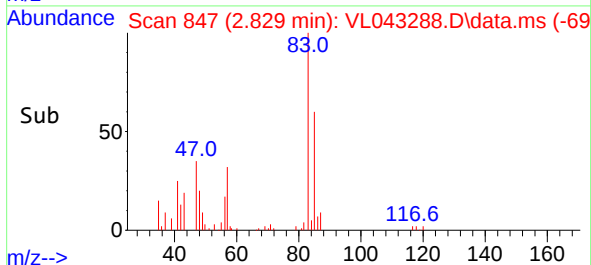
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

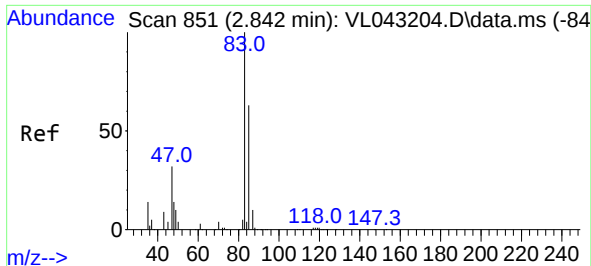


#26
Hexane
Concen: 0.346 ppbv m
RT: 2.829 min Scan# 847
Delta R.T. 0.009 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20



Tgt Ion: 57 Resp: 5267
Ion Ratio Lower Upper
57 100
41 0.0 74.6 111.8#
43 0.0 179.0 268.4#
56 0.0 42.3 63.5#





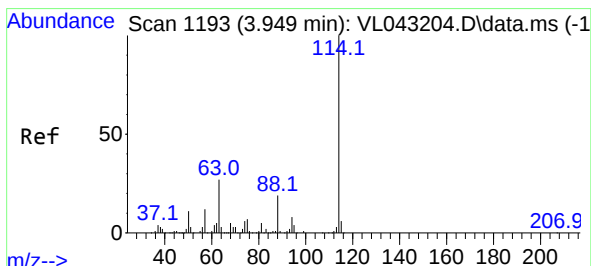
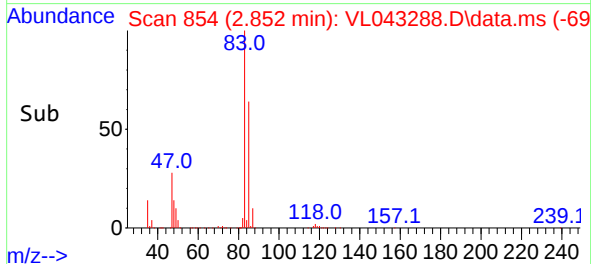
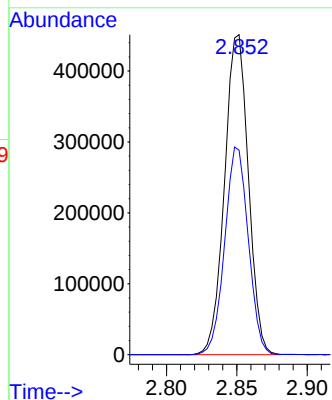
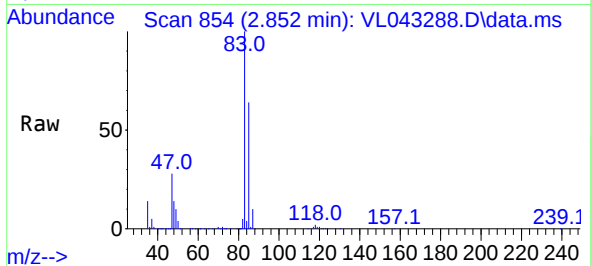
#29
Chloroform
Concen: 24.632 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.009 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 83 Resp: 533459
Ion Ratio Lower Upper
83 100
85 63.9 50.5 75.7

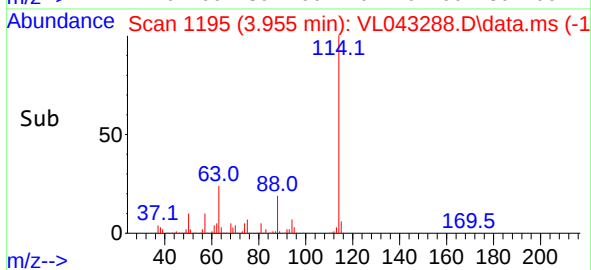
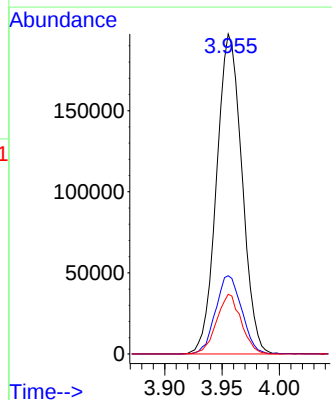
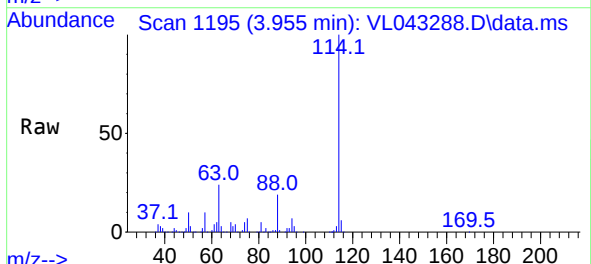
Manual Integrations
APPROVED

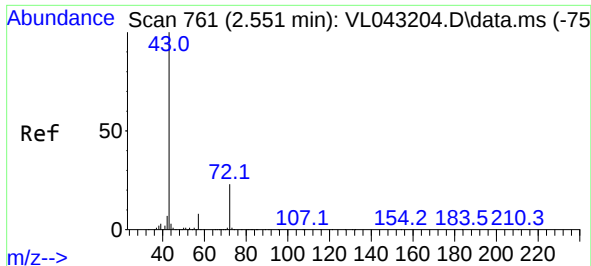
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

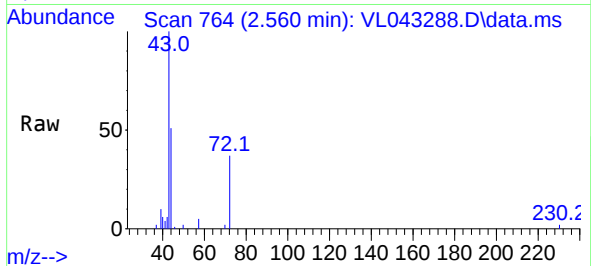
Tgt Ion:114 Resp: 303381
Ion Ratio Lower Upper
114 100
63 25.3 21.0 31.6
88 18.1 14.9 22.3





#34
2-Butanone
Concen: 0.180 ppbv
RT: 2.560 min Scan# 70
Delta R.T. 0.009 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

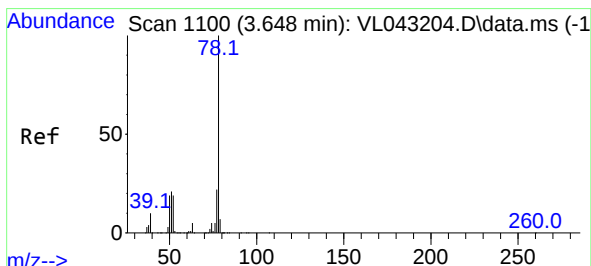
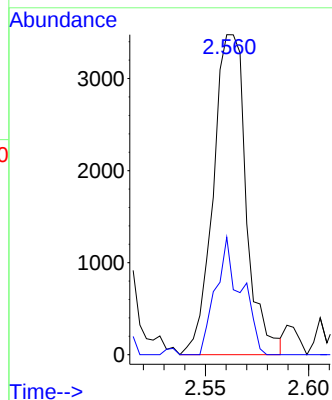
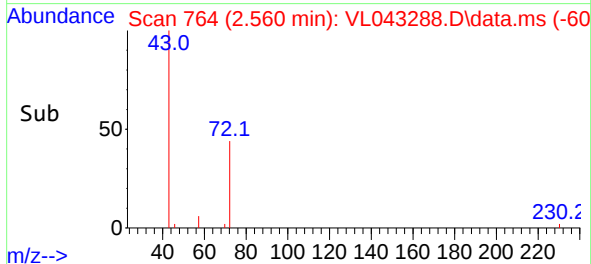
Instrument :
MSVOA_L
ClientSampleId :
SV3



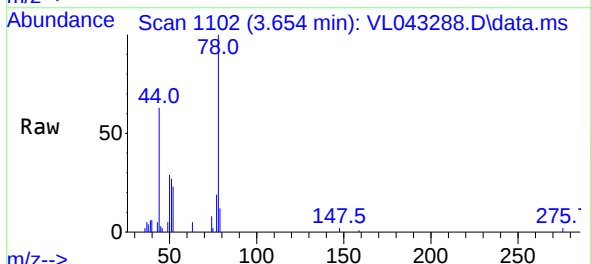
Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
72 28.5 18.1 27.1

Manual Integrations
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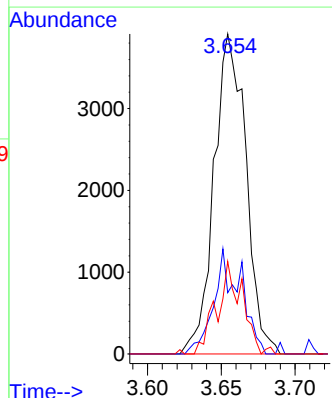
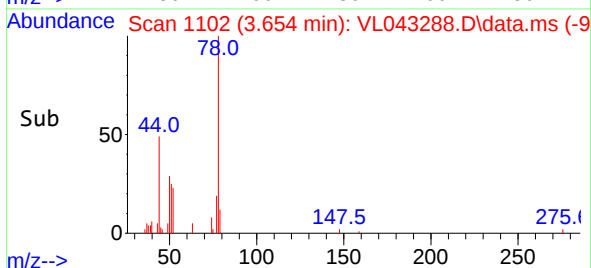
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

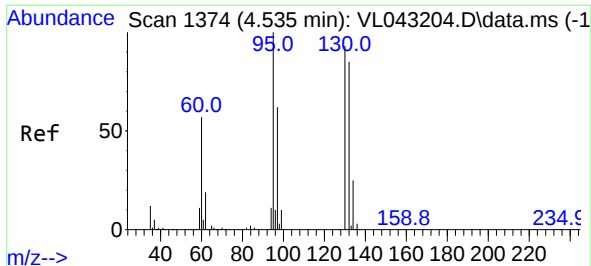


#36
Benzene
Concen: 0.202 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20



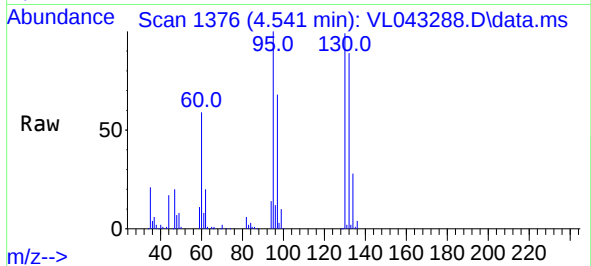
Tgt Ion: 78 Resp: 5877
Ion Ratio Lower Upper
78 100
77 19.1 17.5 26.3
50 28.9 15.5 23.3





#38
 Trichloroethene
 Concen: 3.667 ppbv
 RT: 4.541 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL043288.D
 Acq: 24 Nov 2025 18:20

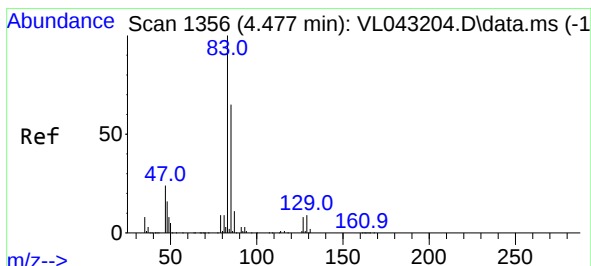
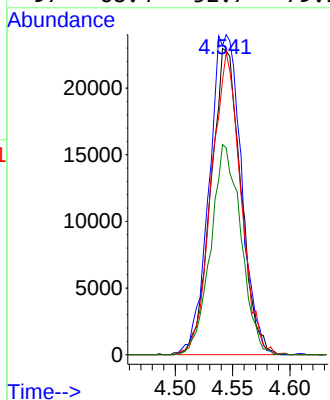
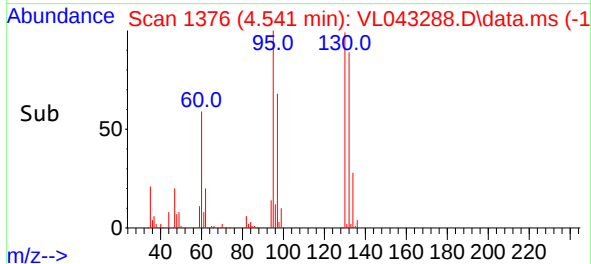
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3



Tgt Ion:130 Resp: 41684
 Ion Ratio Lower Upper
 130 100
 95 100.7 85.7 128.5
 132 89.3 73.4 110.0
 97 68.4 52.7 79.1

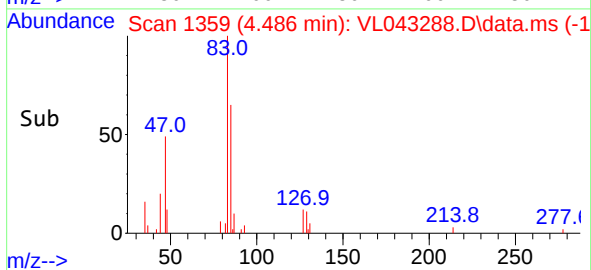
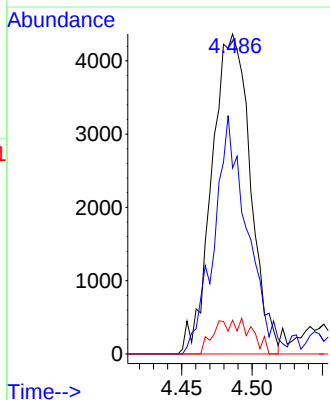
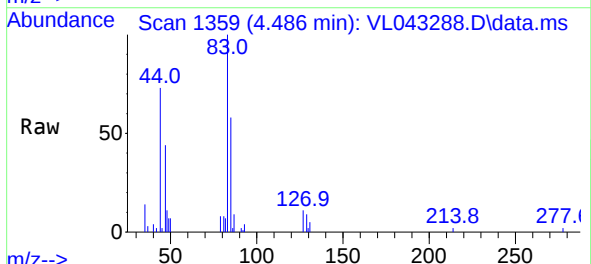
Manual Integrations
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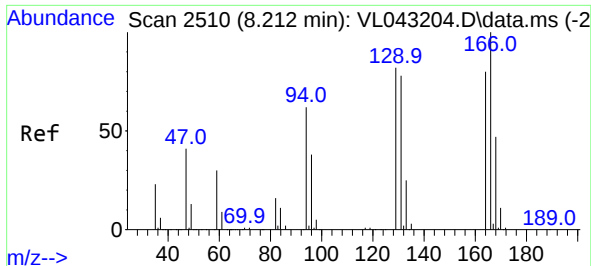
Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025



#42
 Bromodichloromethane
 Concen: 0.353 ppbv
 RT: 4.486 min Scan# 1359
 Delta R.T. 0.009 min
 Lab File: VL043288.D
 Acq: 24 Nov 2025 18:20

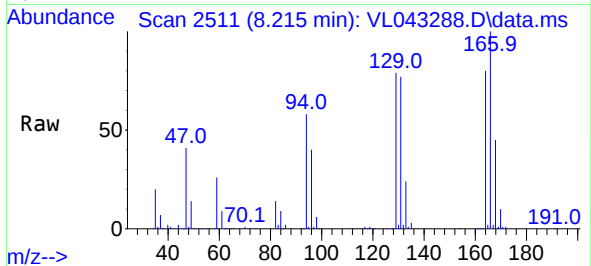
Tgt Ion: 83 Resp: 8283
 Ion Ratio Lower Upper
 83 100
 85 58.1 51.7 77.5
 127 10.6 6.3 9.5#





#52
Tetrachloroethene
Concen: 8.527 ppbv
RT: 8.215 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

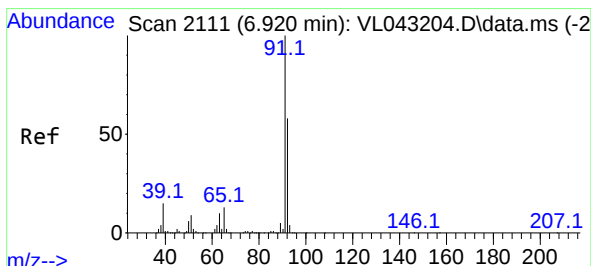
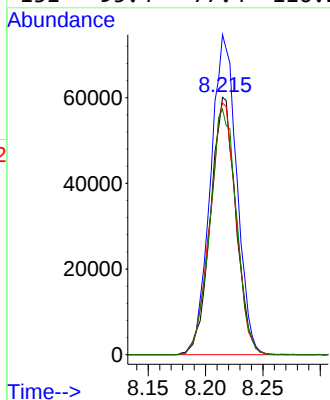
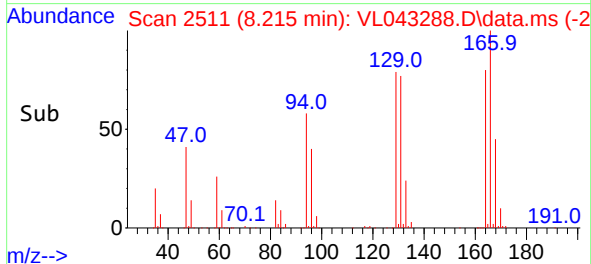
Instrument :
MSVOA_L
ClientSampleId :
SV3



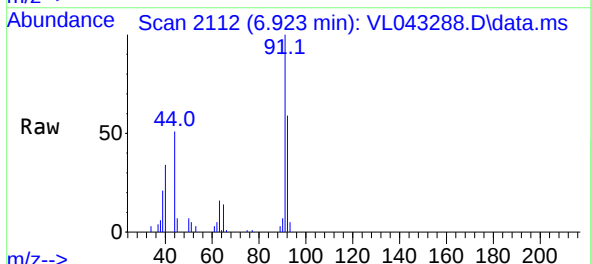
Tgt Ion:164 Resp: 92160
Ion Ratio Lower Upper
164 100
166 124.2 99.4 149.2
129 97.8 81.8 122.8
131 95.4 77.4 116.2

Manual Integrations
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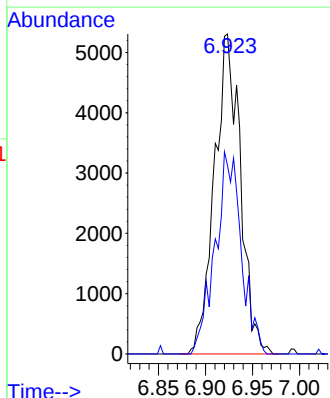
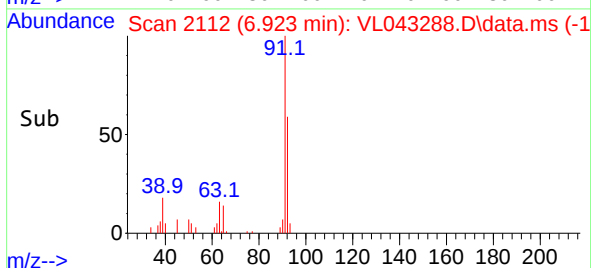
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

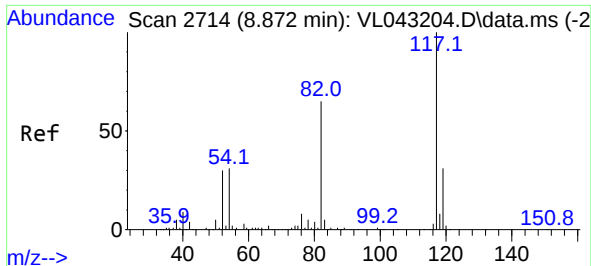


#53
Toluene
Concen: 0.295 ppbv m
RT: 6.923 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20



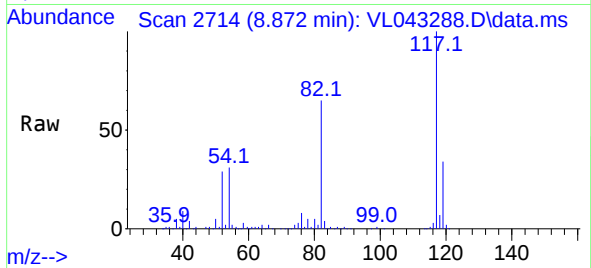
Tgt Ion: 91 Resp: 10148
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

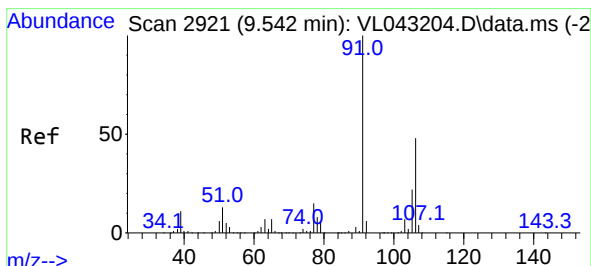
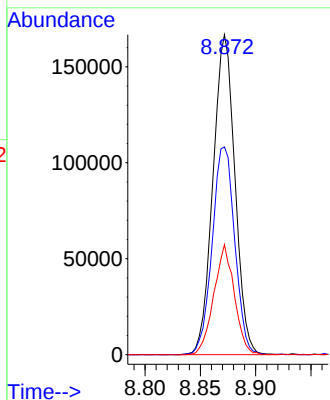
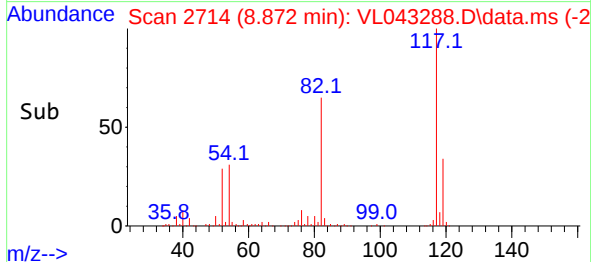
Instrument :
MSVOA_L
ClientSampleId :
SV3



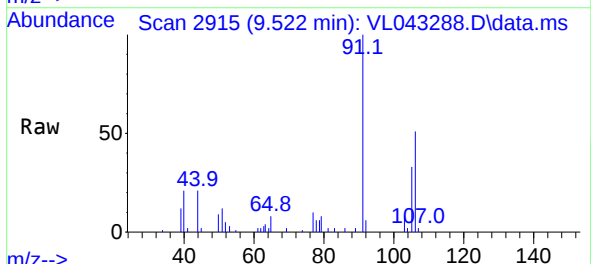
Tgt Ion:117 Resp: 23011
Ion Ratio Lower Upper
117 100
82 66.7 56.1 84.1
119 32.3 25.0 37.6

Manual Integrations
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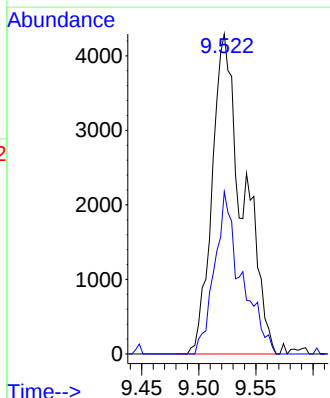
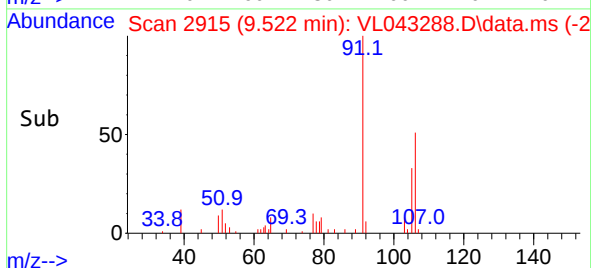
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

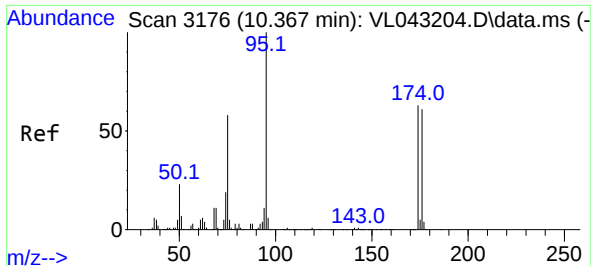


#59
m/p-Xylene
Concen: 0.228 ppbv m
RT: 9.522 min Scan# 2915
Delta R.T. -0.020 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20



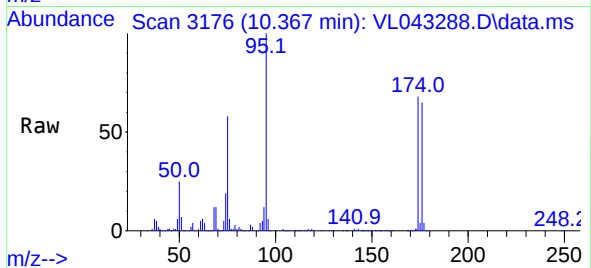
Tgt Ion: 91 Resp: 8100
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.833 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

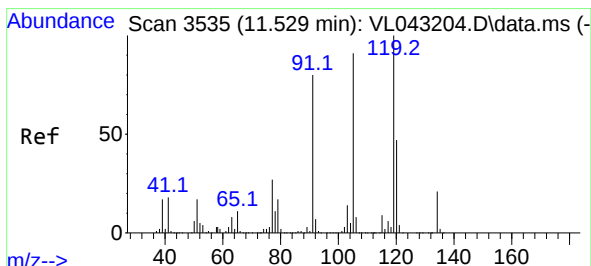
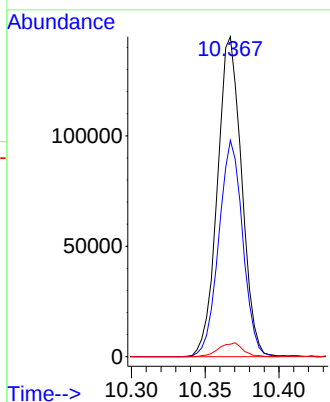
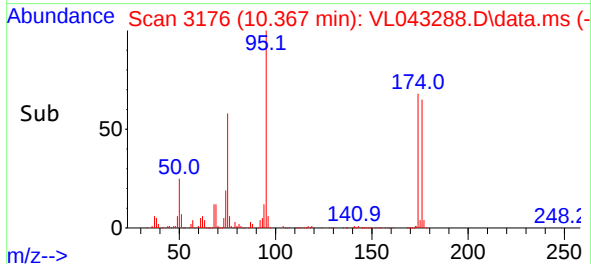
Instrument :
MSVOA_L
ClientSampleId :
SV3



Tgt Ion: 95 Resp: 165850
Ion Ratio Lower Upper
95 100
174 67.2 50.2 75.2
175 4.3 4.1 6.1

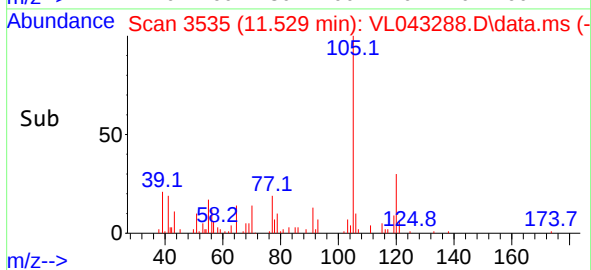
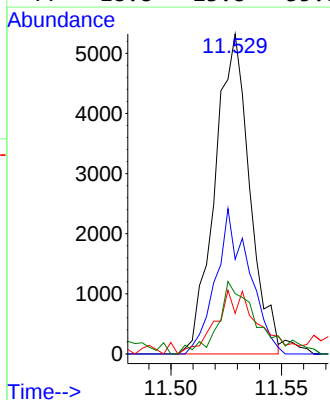
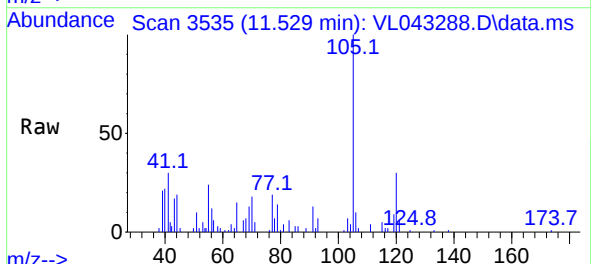
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.148 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL043288.D
Acq: 24 Nov 2025 18:20

Tgt Ion:105 Resp: 5843
Ion Ratio Lower Upper
105 100
120 29.6 41.7 62.5#
91 12.7 70.0 105.0#
77 18.8 23.8 35.8#



Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: IA3
Lab Sample ID: Q3696-06
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected: 11/19/25
Date Received: 11/20/25
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/24/25 16:09	VL112425
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	11/24/25 16:09	VL112425
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/24/25 16:09	VL112425
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/24/25 16:09	VL112425
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/24/25 16:09	VL112425
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/24/25 16:09	VL112425
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	1	0.65	2.34	11/24/25 16:09	VL112425
71-43-2	Benzene	0.21	0.67	J	1	0.26	1.60	11/24/25 16:09	VL112425
79-01-6	Trichloroethene	0.050	0.27		1	0.11	0.16	11/24/25 16:09	VL112425
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/24/25 16:09	VL112425
108-88-3	Toluene	0.16	0.60	U	1	0.60	1.88	11/24/25 16:09	VL112425
127-18-4	Tetrachloroethene	0.080	0.54		1	0.14	0.20	11/24/25 16:09	VL112425
179601-23-1	m/p-Xylene	0.41	1.78	U	1	1.78	4.34	11/24/25 16:09	VL112425
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17	11/24/25 16:09	VL112425
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 16:09	VL112425
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 16:09	VL112425
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52	11/24/25 16:09	VL112425
110-54-3	Hexane	0.50	1.76		1	0.56	1.76	11/24/25 16:09	VL112425
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.40				65 - 135	94% SPK: 10		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	109000							
540-36-3	1,4-Difluorobenzene	279000							
3114-55-4	Chlorobenzene-d5	212000							

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043284.D
 Acq On : 24 Nov 2025 16:09
 Operator : SY/MD
 Sample : Q3696-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:41:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

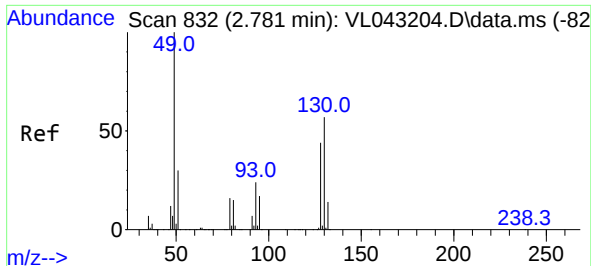
Internal Standards						
1) Bromochloromethane	2.781	49	109479	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	279354	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	212021	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	146433	9.422	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	7796	0.505	ppbv	91
3) Chlorodifluoromethane	1.473	51	3540m	0.233	ppbv	
4) Chloromethane	1.531	50	4629	0.802	ppbv	92
9) Propene	1.486	41	10165	1.576	ppbv #	1
11) Trichlorofluoromethane	1.874	101	4256	0.284	ppbv	99
13) Ethanol	1.719	45	74123	32.689	ppbv	100
15) Acetone	1.832	43	83602	5.496	ppbv	98
17) tert-Butyl alcohol	2.036	59	2274	0.114	ppbv #	81
19) Isopropyl Alcohol	1.881	45	16706	1.944	ppbv #	1
20) Methylene Chloride	2.059	84	6632	0.754	ppbv	89
26) Hexane	2.819	57	7152	0.497	ppbv #	45
29) Chloroform	2.839	83	8627	0.422	ppbv	94
34) 2-Butanone	2.554	43	10550	0.535	ppbv	95
35) Carbon Tetrachloride	3.748	117	2177m	0.103	ppbv	
36) Benzene	3.645	78	5586	0.209	ppbv #	90
38) Trichloroethene	4.535	130	507m	0.048	ppbv	
41) Tetrahydrofuran	3.052	42	2261	0.208	ppbv	93
52) Tetrachloroethene	8.215	164	760m	0.076	ppbv	

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

Manual Integrations APPROVED

Quant Time: Nov 24 23:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration





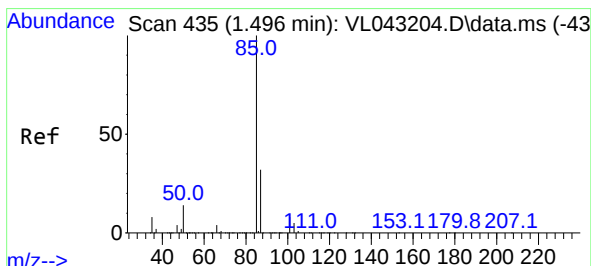
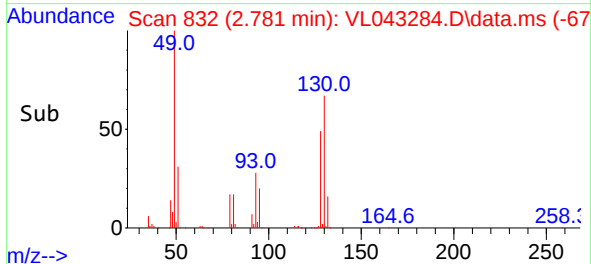
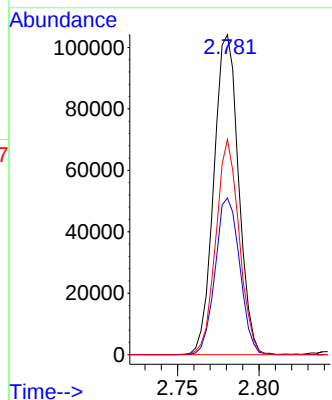
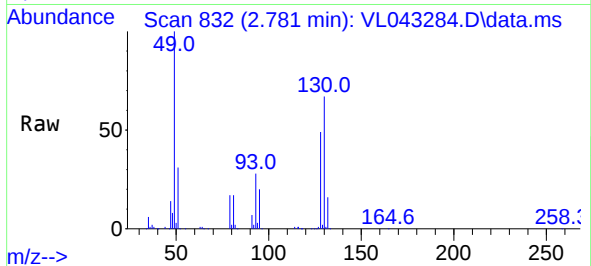
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 49 Resp: 109479
Ion Ratio Lower Upper
49 100
128 48.8 23.0 69.0
130 63.5 29.9 89.7

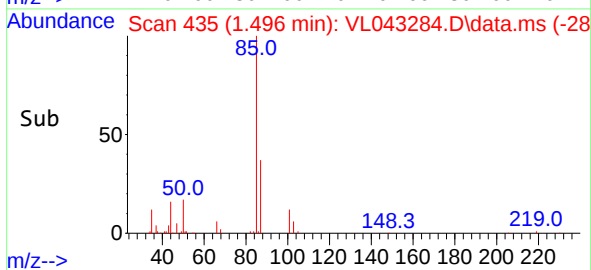
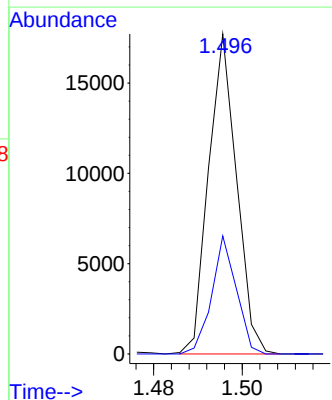
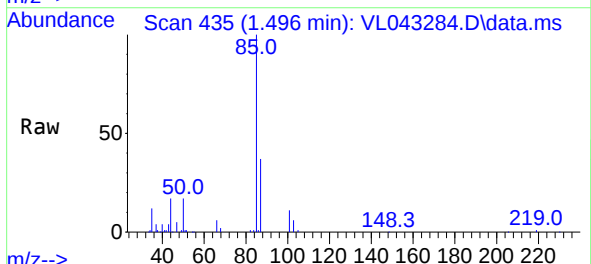
Manual Integrations
APPROVED

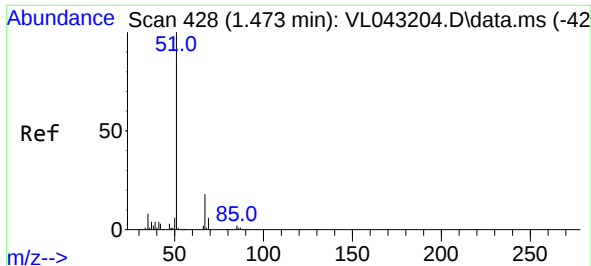
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#2
Dichlorodifluoromethane
Concen: 0.505 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

Tgt Ion: 85 Resp: 7796
Ion Ratio Lower Upper
85 100
87 36.9 25.4 38.2





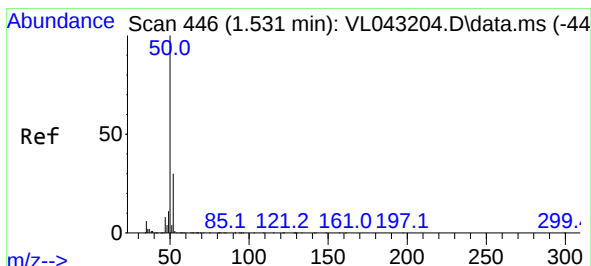
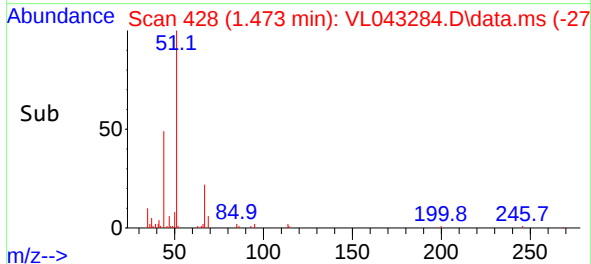
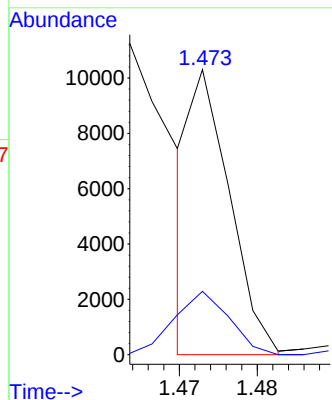
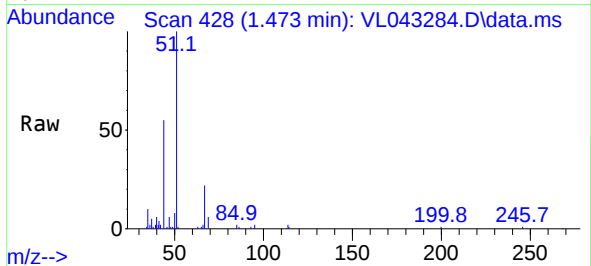
#3
Chlorodifluoromethane
Concen: 0.233 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 51 Resp: 3540
Ion Ratio Lower Upper
51 100
67 35.4 14.9 22.3

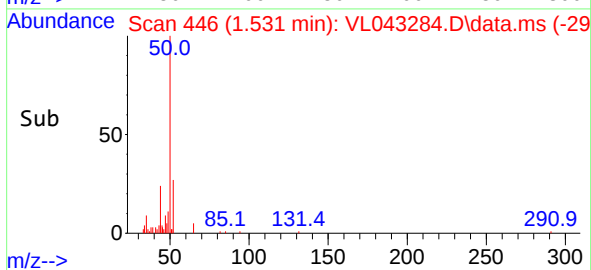
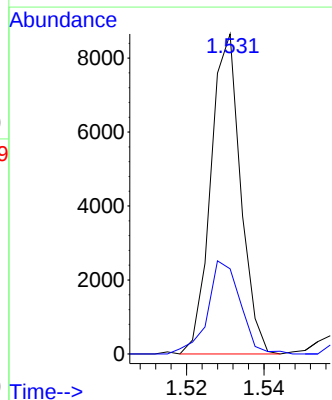
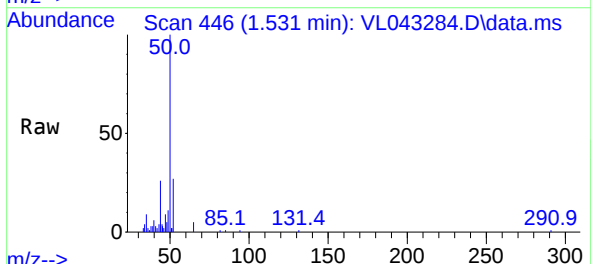
Manual Integrations
APPROVED

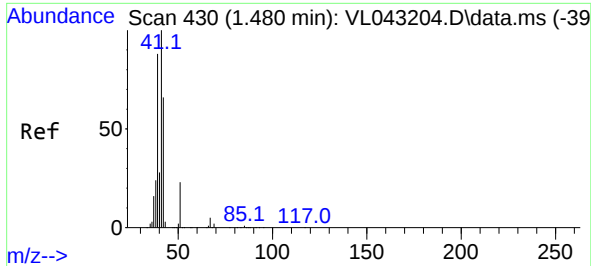
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#4
Chloromethane
Concen: 0.802 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

Tgt Ion: 50 Resp: 4629
Ion Ratio Lower Upper
50 100
52 25.8 24.1 36.1





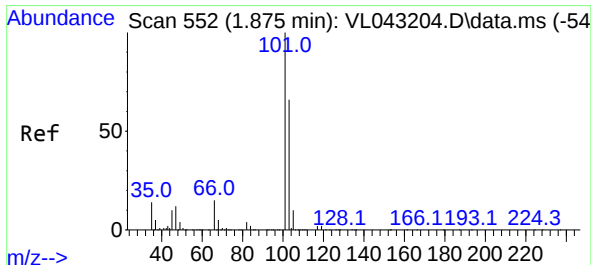
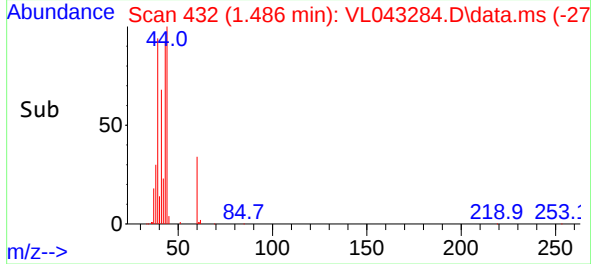
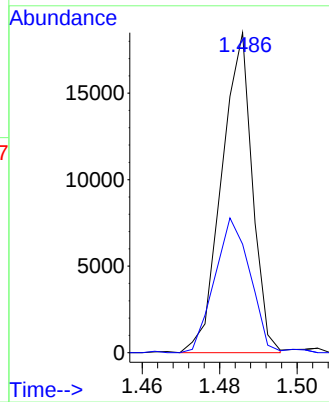
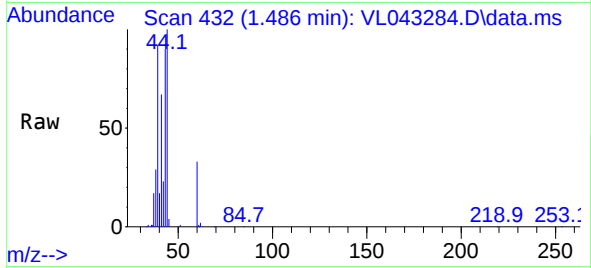
#9
Propene
Concen: 1.576 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 41 Resp: 1016
Ion Ratio Lower Upper
41 100
42 49.4 3.7 5.5

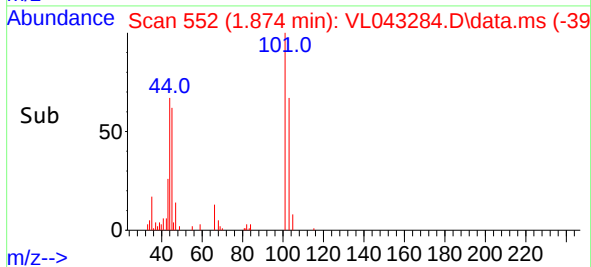
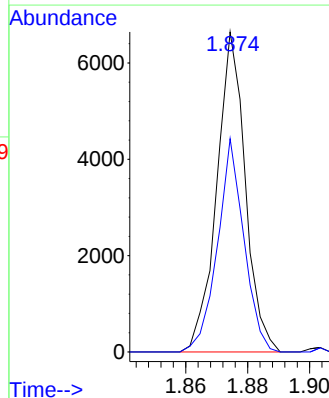
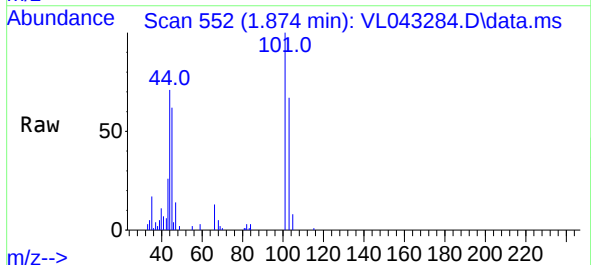
Manual Integrations
APPROVED

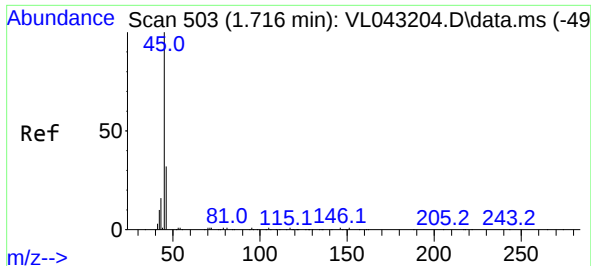
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#11
Trichlorofluoromethane
Concen: 0.284 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.000 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

Tgt Ion:101 Resp: 4256
Ion Ratio Lower Upper
101 100
103 66.7 52.6 79.0





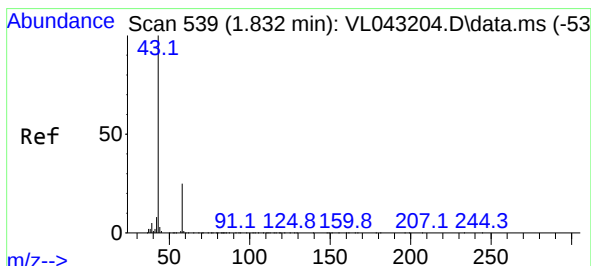
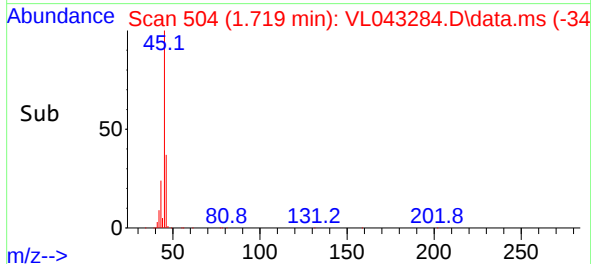
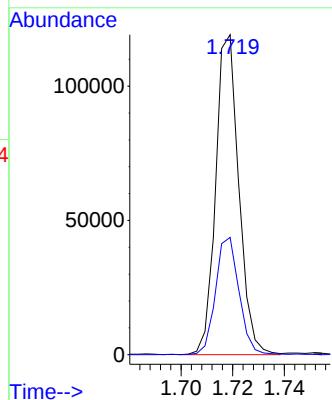
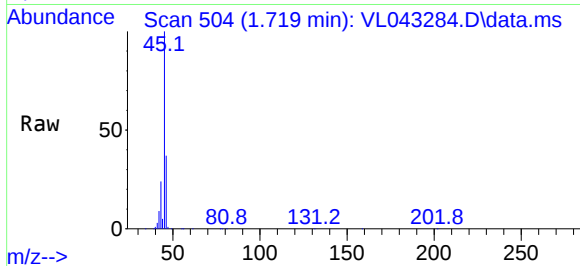
#13
Ethanol
Concen: 32.689 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 45 Resp: 7412
Ion Ratio Lower Upper
45 100
46 37.6 15.0 59.8

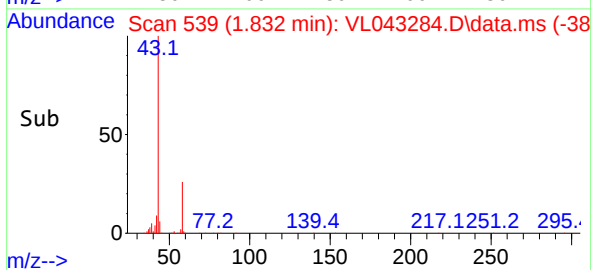
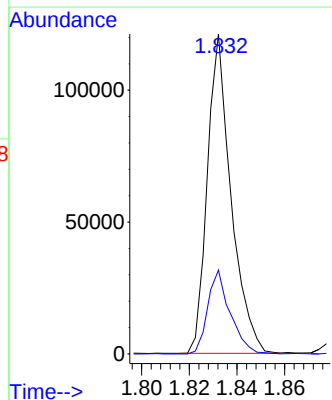
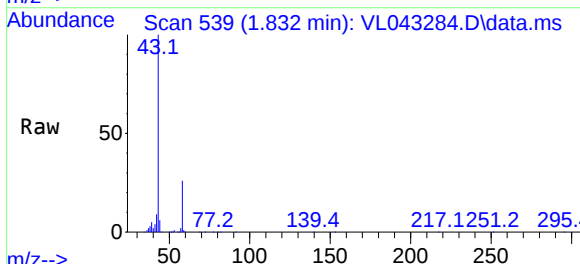
Manual Integrations
APPROVED

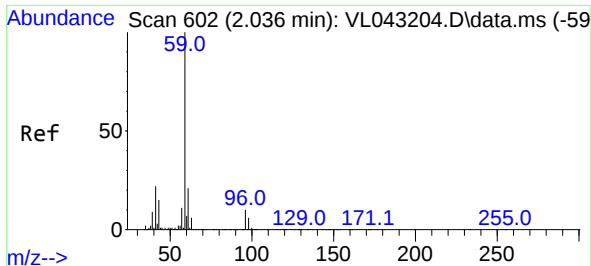
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#15
Acetone
Concen: 5.496 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

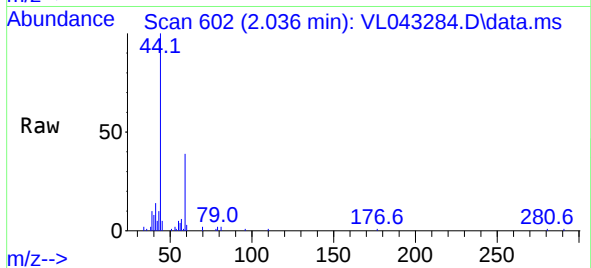
Tgt Ion: 43 Resp: 83602
Ion Ratio Lower Upper
43 100
58 25.0 20.7 31.1





#17
tert-Butyl alcohol
Concen: 0.114 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

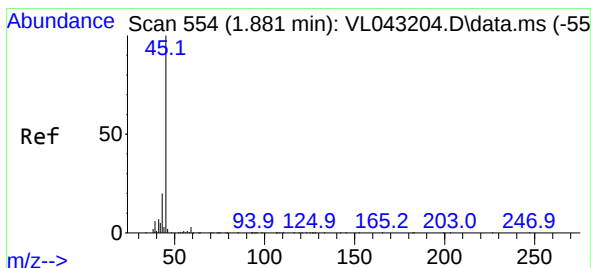
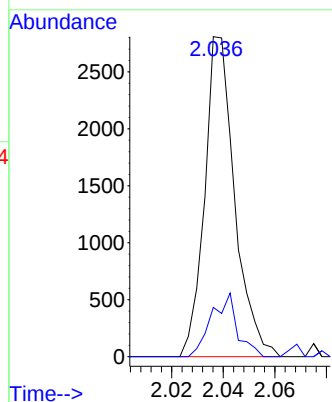
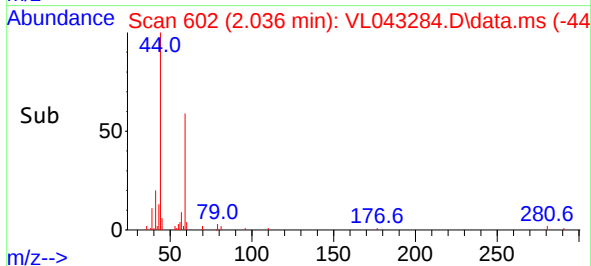
Instrument :
MSVOA_L
ClientSampleId :
IA3



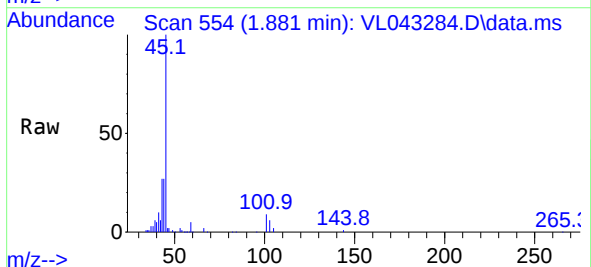
Tgt Ion: 59 Resp: 2274
Ion Ratio Lower Upper
59 100
57 18.5 9.0 13.4

Manual Integrations
APPROVED

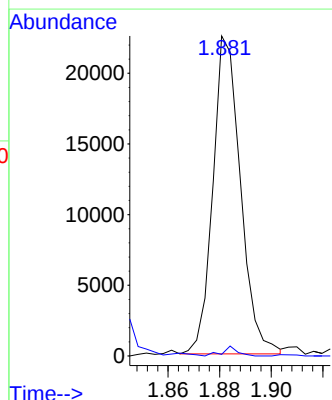
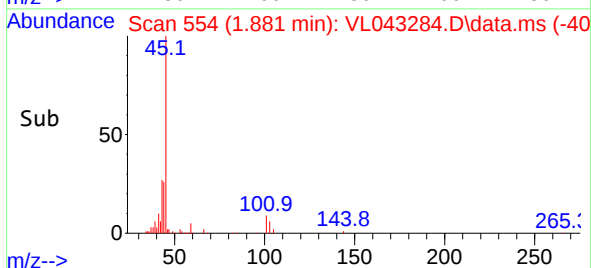
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

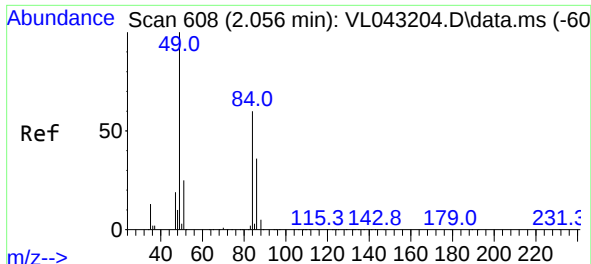


#19
Isopropyl Alcohol
Concen: 1.944 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09



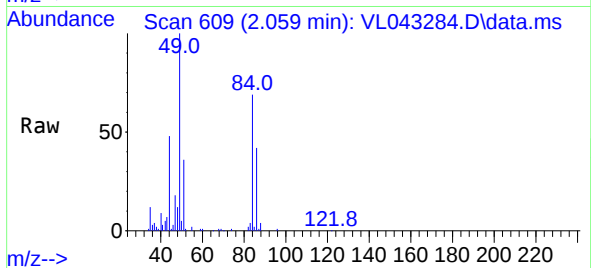
Tgt Ion: 45 Resp: 16706
Ion Ratio Lower Upper
45 100
58 124.9 31.3 46.9





#20
Methylene Chloride
Concen: 0.754 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

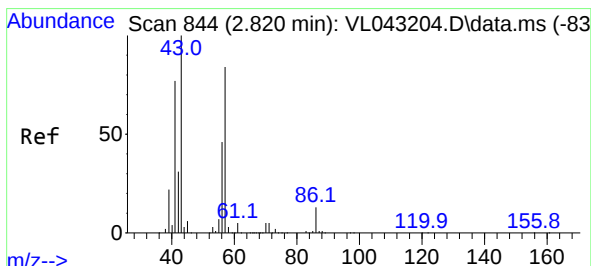
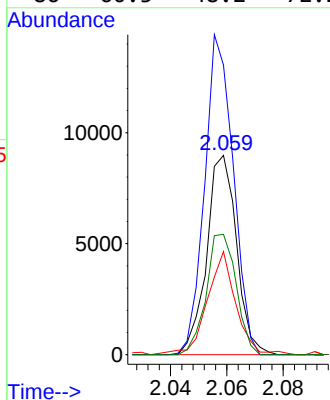
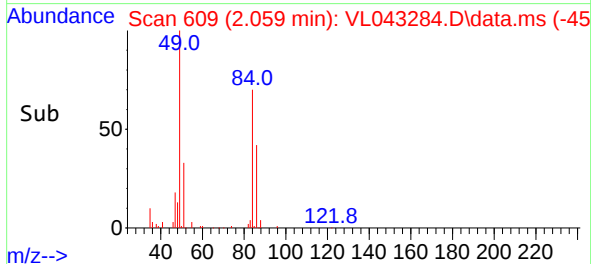
Instrument :
MSVOA_L
ClientSampleId :
IA3



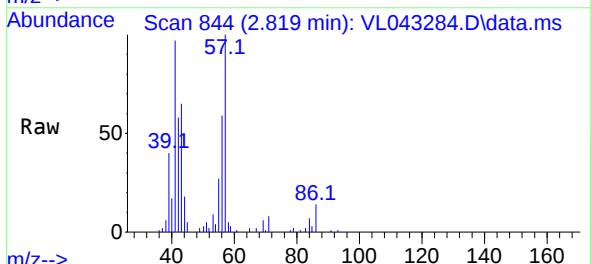
Tgt Ion: 84 Resp: 6632
Ion Ratio Lower Upper
84 100
49 145.2 132.9 199.3
51 50.1 34.8 52.2
86 60.3 48.2 72.2

Manual Integrations
APPROVED

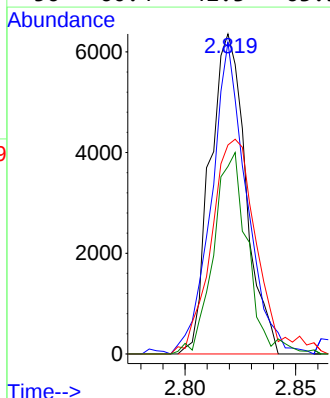
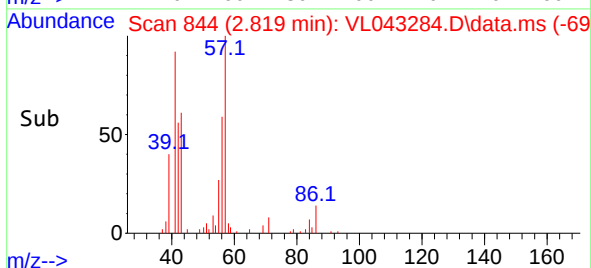
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

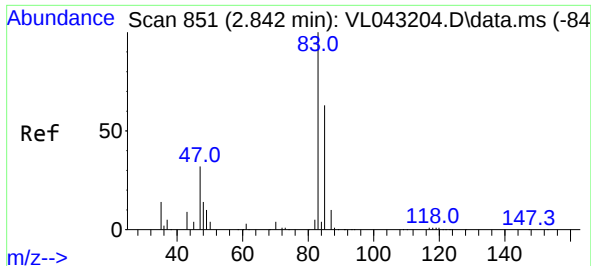


#26
Hexane
Concen: 0.497 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09



Tgt Ion: 57 Resp: 7152
Ion Ratio Lower Upper
57 100
41 101.9 74.6 111.8
43 85.8 179.0 268.4#
56 60.4 42.3 63.5





#29

Chloroform

Concen: 0.422 ppbv

RT: 2.839 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL043284.D

Acq: 24 Nov 2025 16:09

Instrument :

MSVOA_L

ClientSampleId :

IA3

Tgt Ion: 83 Resp: 862

Ion Ratio Lower Upper

83 100

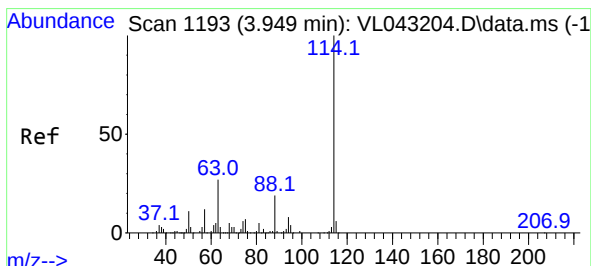
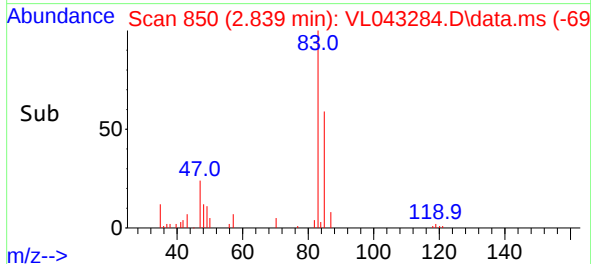
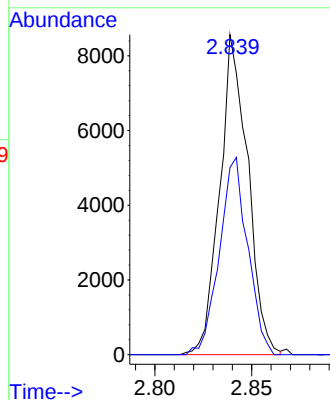
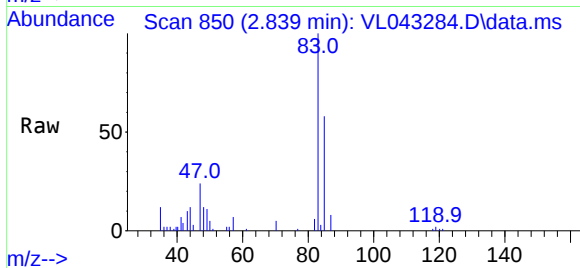
85 58.4 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025

Supervised By :Mahesh Dadoda 11/25/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.003 min

Lab File: VL043284.D

Acq: 24 Nov 2025 16:09

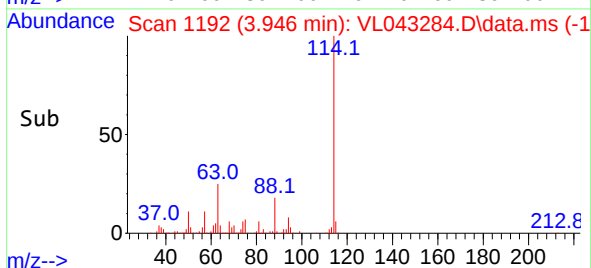
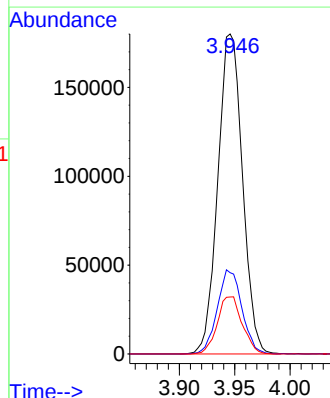
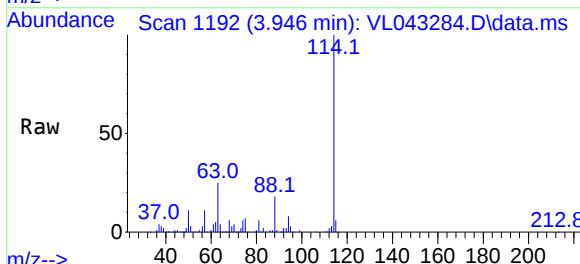
Tgt Ion:114 Resp: 279354

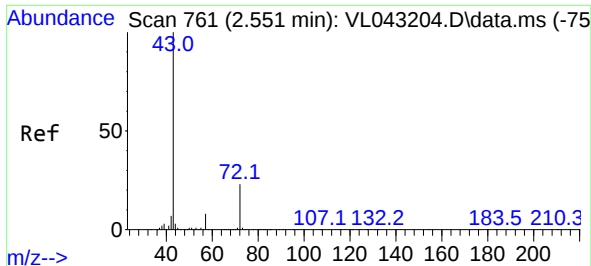
Ion Ratio Lower Upper

114 100

63 26.2 21.0 31.6

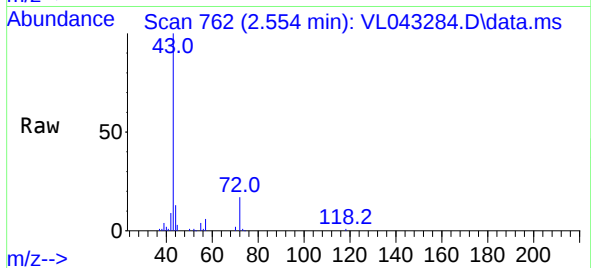
88 18.0 14.9 22.3





#34
2-Butanone
Concen: 0.535 ppbv
RT: 2.554 min Scan# 761
Delta R.T. 0.003 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

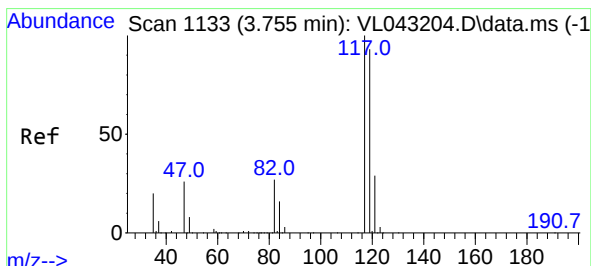
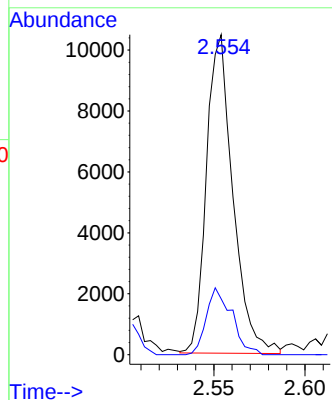
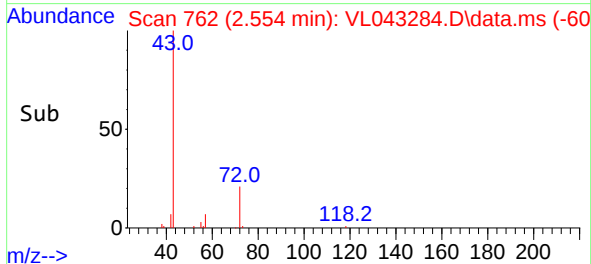
Instrument :
MSVOA_L
ClientSampleId :
IA3



Tgt Ion: 43 Resp: 10550
Ion Ratio Lower Upper
43 100
72 20.3 18.1 27.1

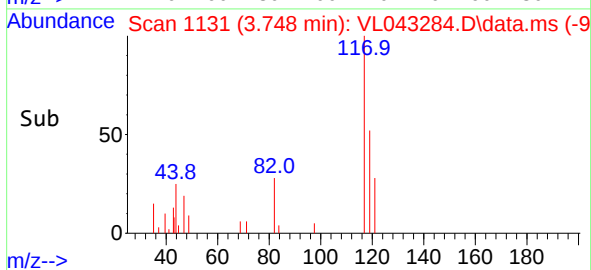
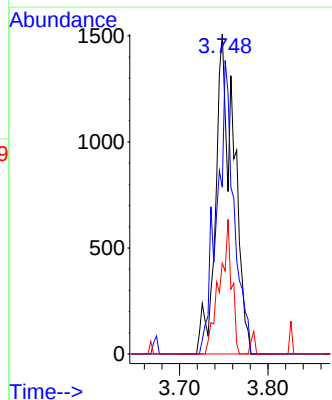
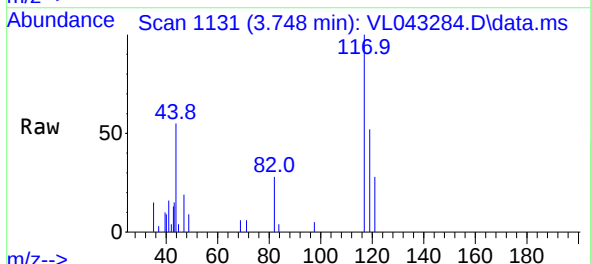
Manual Integrations
APPROVED

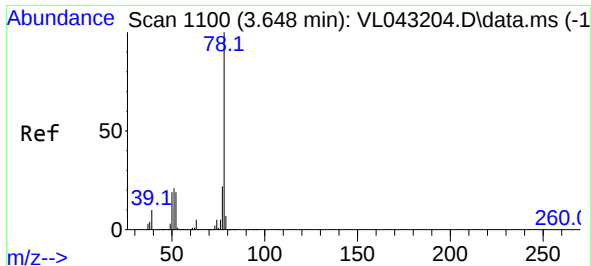
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#35
Carbon Tetrachloride
Concen: 0.103 ppbv m
RT: 3.748 min Scan# 1131
Delta R.T. -0.007 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

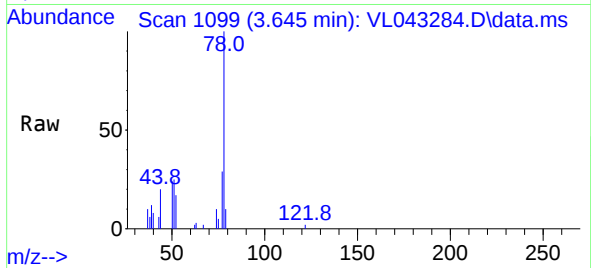
Tgt Ion:117 Resp: 2177
Ion Ratio Lower Upper
117 100
119 52.1 74.6 112.0#
121 28.4 23.2 34.8





#36
Benzene
Concen: 0.209 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.003 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

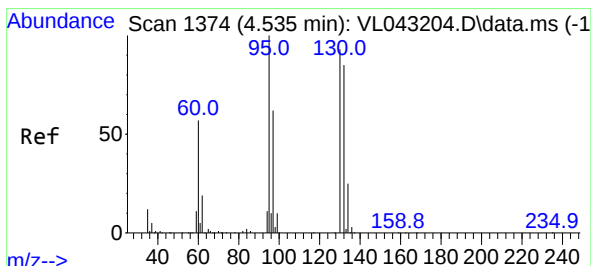
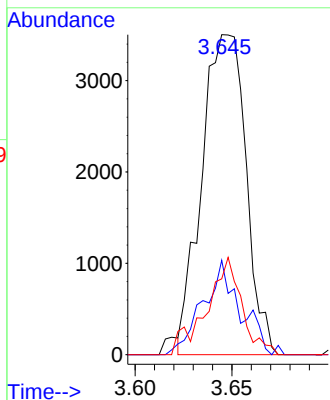
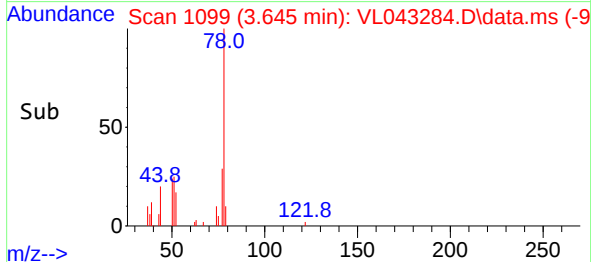
Instrument :
MSVOA_L
ClientSampleId :
IA3



Tgt Ion: 78 Resp: 5580
Ion Ratio Lower Upper
78 100
77 26.6 17.5 26.3
50 23.7 15.5 23.3

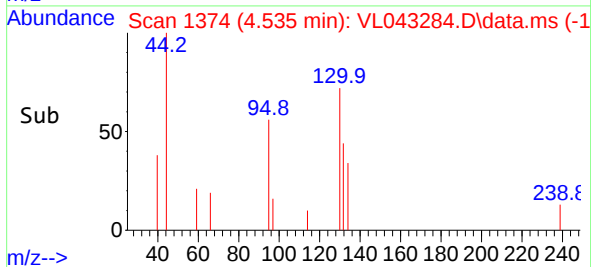
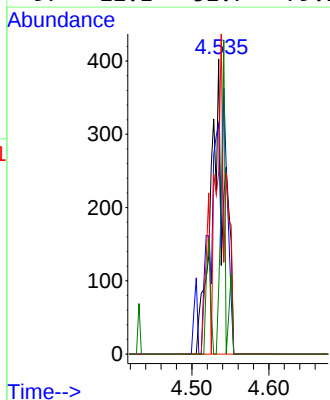
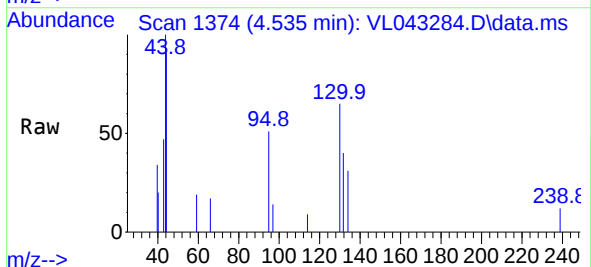
Manual Integrations
APPROVED

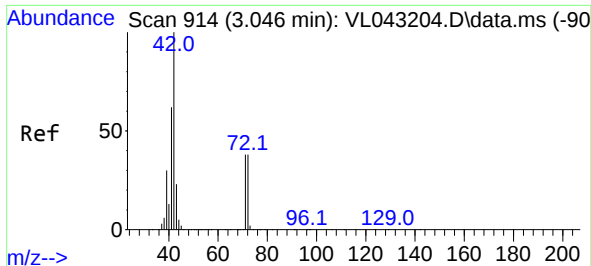
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#38
Trichloroethene
Concen: 0.048 ppbv m
RT: 4.535 min Scan# 1374
Delta R.T. -0.000 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

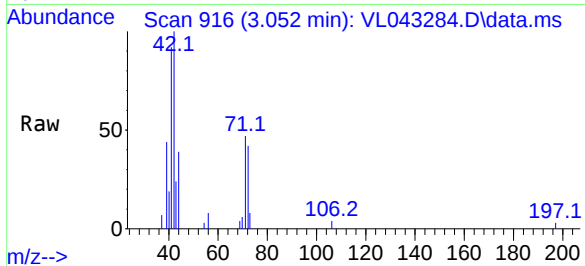
Tgt Ion:130 Resp: 507
Ion Ratio Lower Upper
130 100
95 78.2 85.7 128.5#
132 61.5 73.4 110.0#
97 22.1 52.7 79.1#





#41
Tetrahydrofuran
Concen: 0.208 ppbv
RT: 3.052 min Scan# 914
Delta R.T. 0.006 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

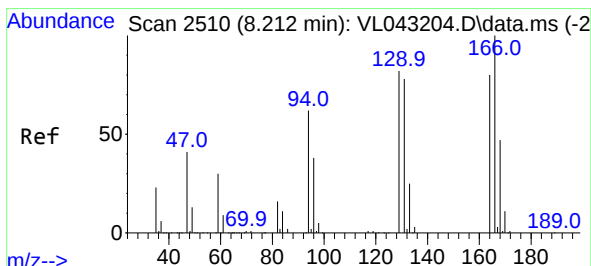
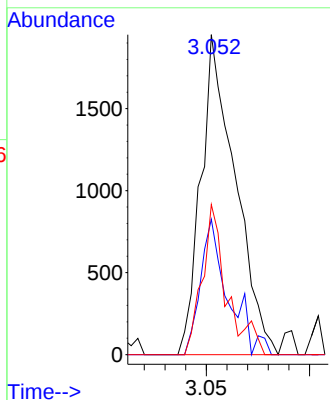
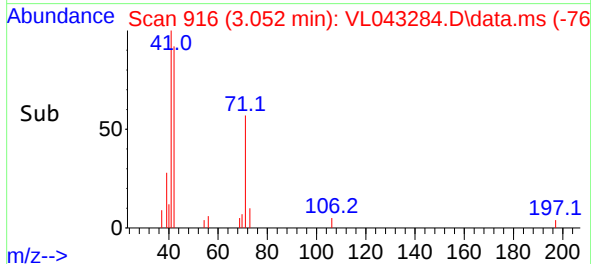
Instrument :
MSVOA_L
ClientSampleId :
IA3



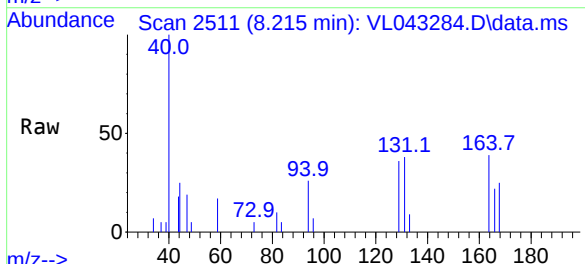
Tgt Ion: 42 Resp: 226
Ion Ratio Lower Upper
42 100
72 34.1 30.6 46.0
71 33.3 30.5 45.7

Manual Integrations
APPROVED

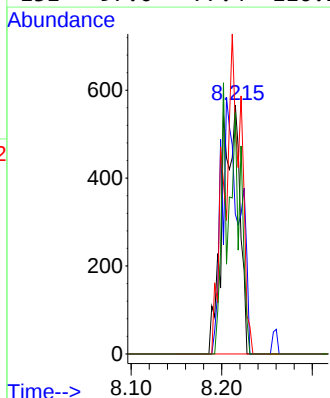
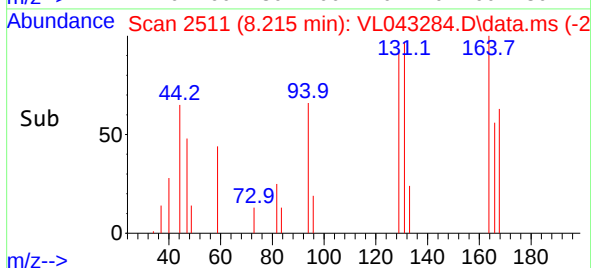
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

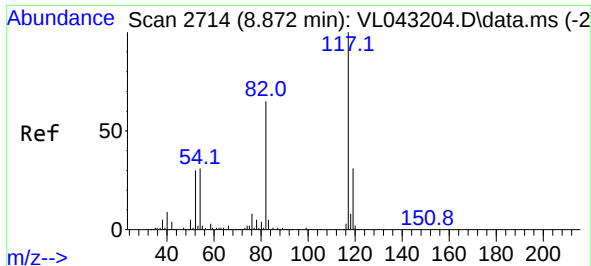


#52
Tetrachloroethene
Concen: 0.076 ppbv m
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09



Tgt Ion:164 Resp: 760
Ion Ratio Lower Upper
164 100
166 56.2 99.4 149.2#
129 91.5 81.8 122.8
131 97.0 77.4 116.2





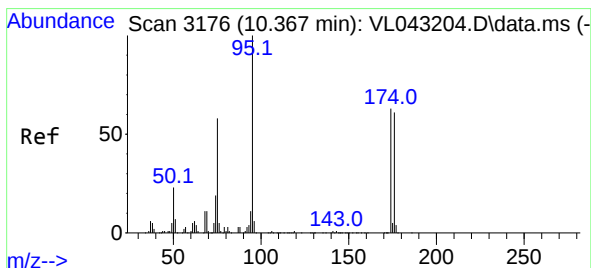
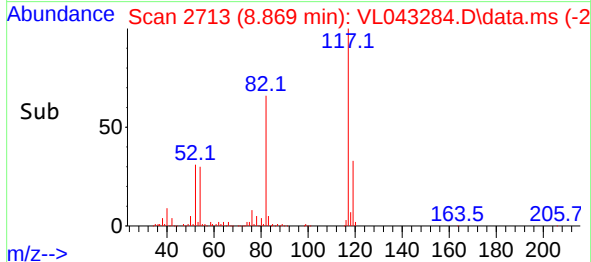
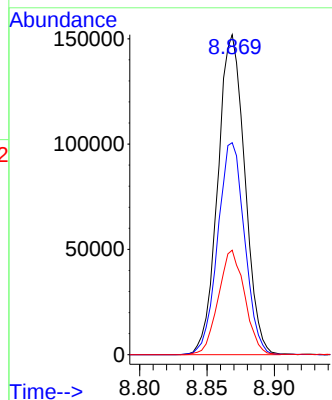
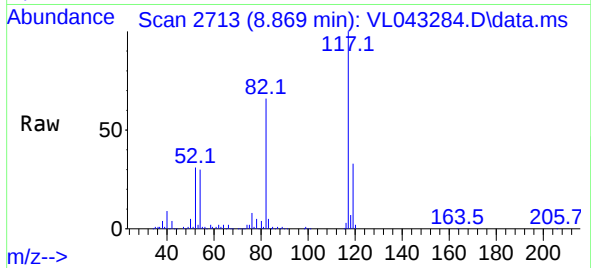
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21202
Delta R.T. -0.003 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion:117 Resp: 21202
Ion Ratio Lower Upper
117 100
82 66.0 56.1 84.1
119 32.1 25.0 37.6

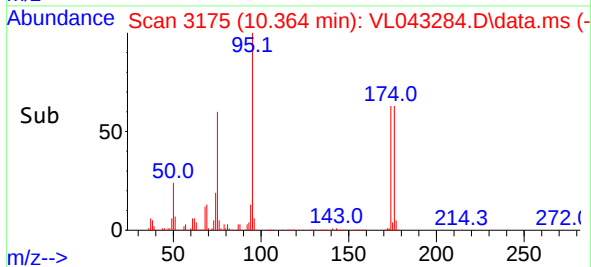
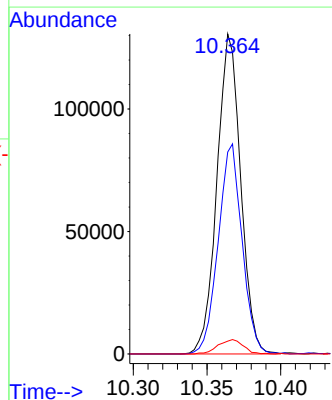
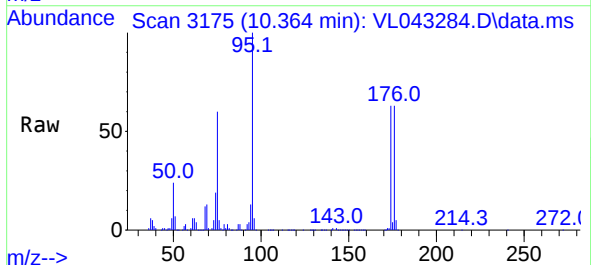
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.422 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VL043284.D
Acq: 24 Nov 2025 16:09

Tgt Ion: 95 Resp: 146433
Ion Ratio Lower Upper
95 100
174 66.1 50.2 75.2
175 4.8 4.1 6.1



Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: OA1
Lab Sample ID: Q3696-07
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected: 11/19/25
Date Received: 11/20/25
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/24/25 16:43	VL112425
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	11/24/25 16:43	VL112425
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/24/25 16:43	VL112425
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/24/25 16:43	VL112425
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/24/25 16:43	VL112425
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/24/25 16:43	VL112425
540-84-1	2,2,4-Trimethylpentane	0.19	0.89	J	1	0.65	2.34	11/24/25 16:43	VL112425
71-43-2	Benzene	0.22	0.70	J	1	0.26	1.60	11/24/25 16:43	VL112425
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/24/25 16:43	VL112425
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/24/25 16:43	VL112425
108-88-3	Toluene	0.27	1.02	J	1	0.60	1.88	11/24/25 16:43	VL112425
127-18-4	Tetrachloroethene	0.070	0.47		1	0.14	0.20	11/24/25 16:43	VL112425
179601-23-1	m/p-Xylene	0.41	1.78	U	1	1.78	4.34	11/24/25 16:43	VL112425
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17	11/24/25 16:43	VL112425
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 16:43	VL112425
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 16:43	VL112425
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52	11/24/25 16:43	VL112425
110-54-3	Hexane	1.30	4.58		1	0.56	1.76	11/24/25 16:43	VL112425
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.70				65 - 135	97% SPK: 10		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	107000							
540-36-3	1,4-Difluorobenzene	272000							
3114-55-4	Chlorobenzene-d5	212000							

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043285.D
 Acq On : 24 Nov 2025 16:43
 Operator : SY/MD
 Sample : Q3696-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:42:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	106827	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	272263	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	212048	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	150154	9.660	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	7424	0.493	ppbv	98
3) Chlorodifluoromethane	1.473	51	4805m	0.324	ppbv	
4) Chloromethane	1.531	50	2906	0.516	ppbv	90
9) Propene	1.486	41	5289	0.841	ppbv #	1
11) Trichlorofluoromethane	1.874	101	3779	0.259	ppbv	87
13) Ethanol	1.719	45	19354	8.747	ppbv	98
15) Acetone	1.832	43	65952	4.444	ppbv	95
19) Isopropyl Alcohol	1.884	45	25817	3.078	ppbv #	66
20) Methylene Chloride	2.059	84	17762	3.556	ppbv	97
26) Hexane	2.819	57	18805	1.340	ppbv #	41
34) 2-Butanone	2.554	43	5733	0.298	ppbv	93
35) Carbon Tetrachloride	3.755	117	1807	0.087	ppbv	97
36) Benzene	3.648	78	5808	0.223	ppbv #	91
44) 2,2,4-Trimethylpentane	4.629	57	8356m	0.187	ppbv	
52) Tetrachloroethene	8.199	164	658m	0.068	ppbv	
53) Toluene	6.914	91	8340m	0.270	ppbv	
59) m/p-Xylene	9.513	91	4019m	0.123	ppbv	

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

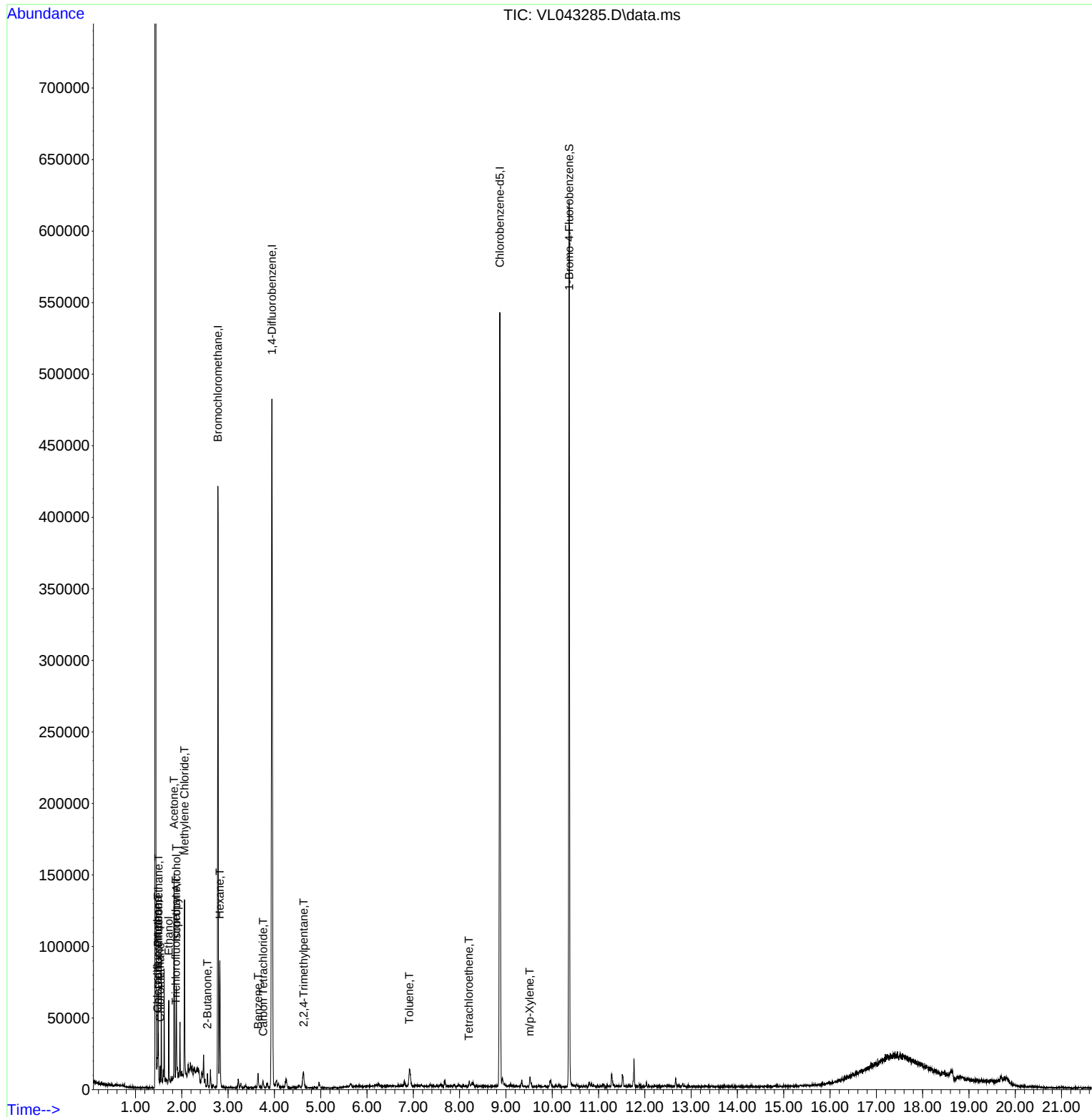
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043285.D
Acq On : 24 Nov 2025 16:43
Operator : SY/MD
Sample : Q3696-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

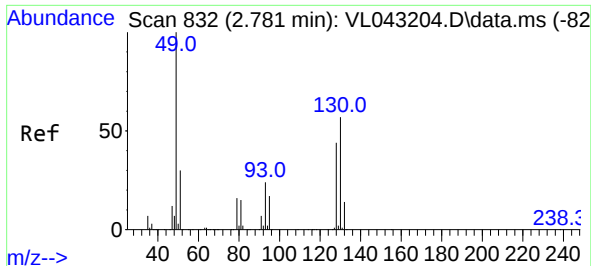
Instrument :
MSVOA_L
ClientSampleId :
OA1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration





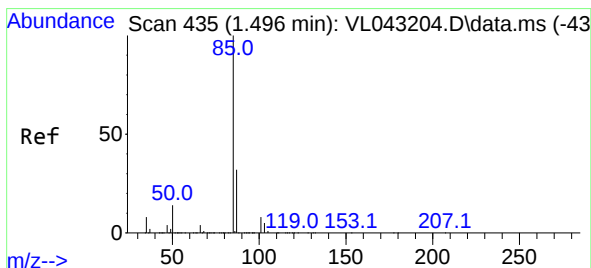
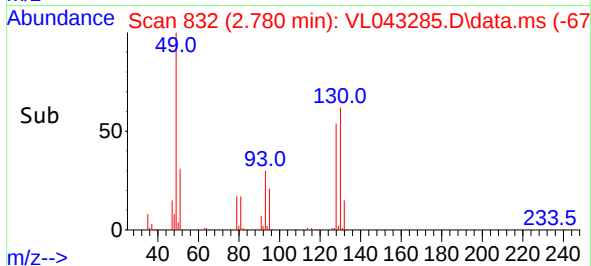
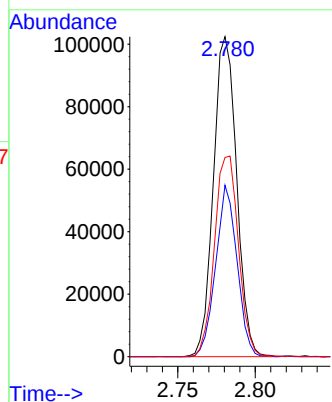
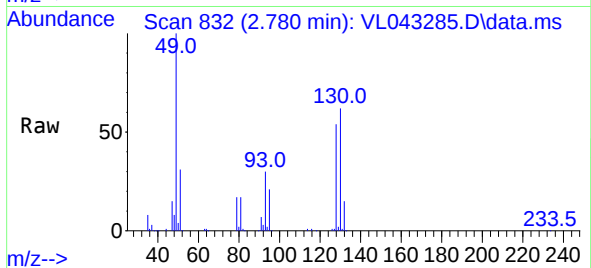
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 10682
Ion Ratio Lower Upper
49 100
128 49.3 23.0 69.0
130 64.8 29.9 89.7

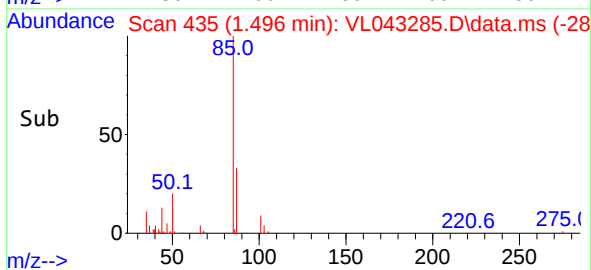
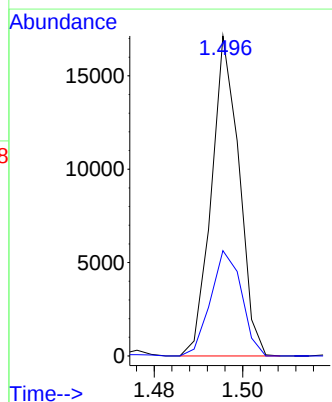
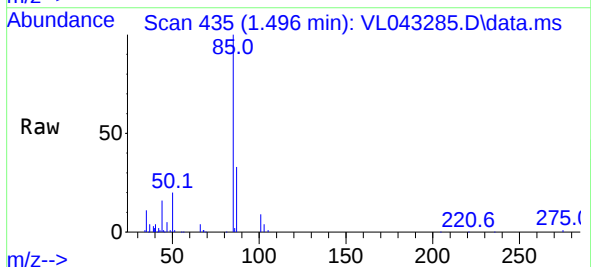
Manual Integrations
APPROVED

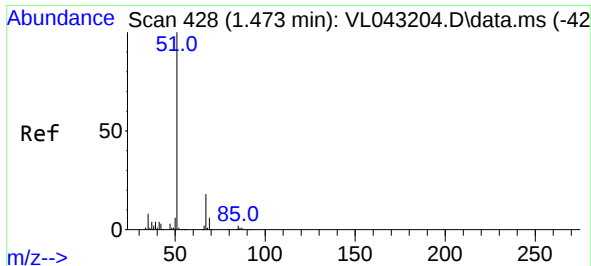
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#2
Dichlorodifluoromethane
Concen: 0.493 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Tgt Ion: 85 Resp: 7424
Ion Ratio Lower Upper
85 100
87 32.9 25.4 38.2





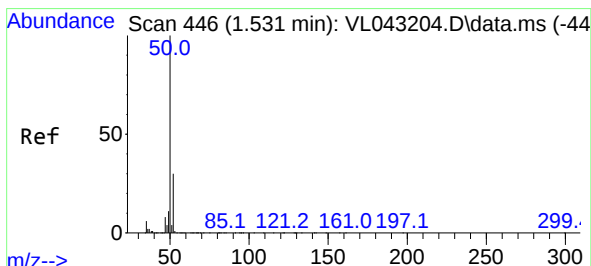
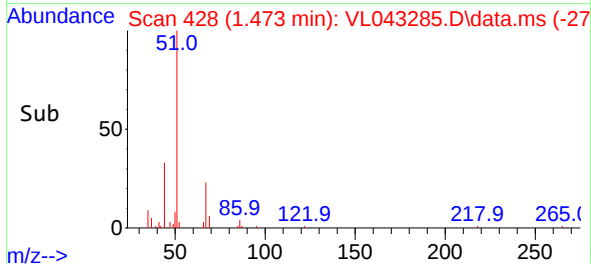
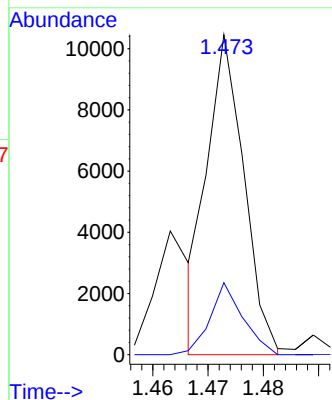
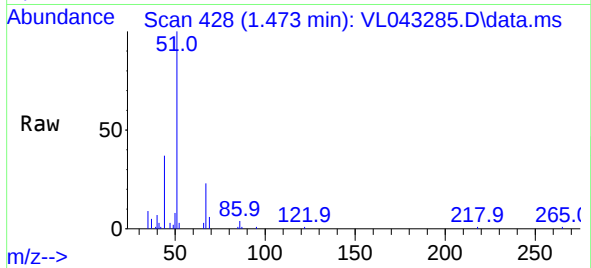
#3
Chlorodifluoromethane
Concen: 0.324 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 4809
Ion Ratio Lower Upper
51 100
67 2.6 14.9 22.3

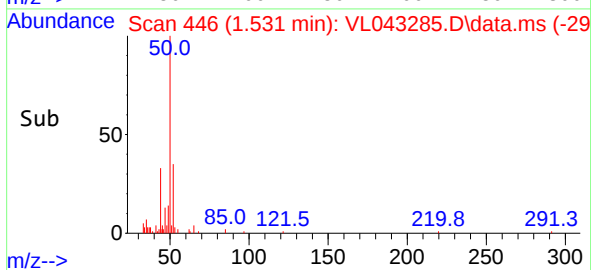
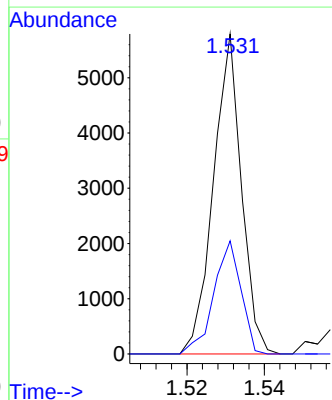
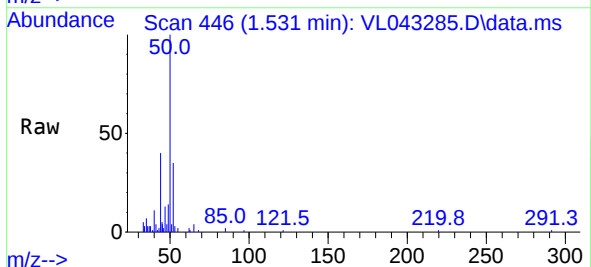
Manual Integrations
APPROVED

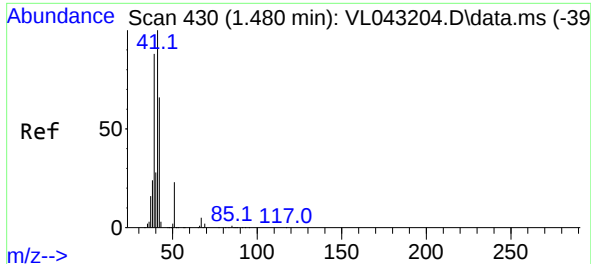
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#4
Chloromethane
Concen: 0.516 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Tgt Ion: 50 Resp: 2906
Ion Ratio Lower Upper
50 100
52 35.4 24.1 36.1





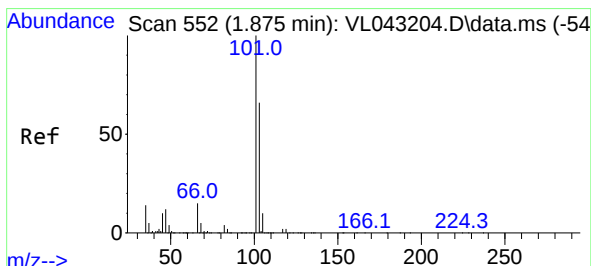
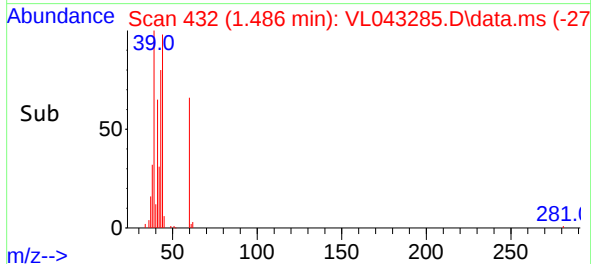
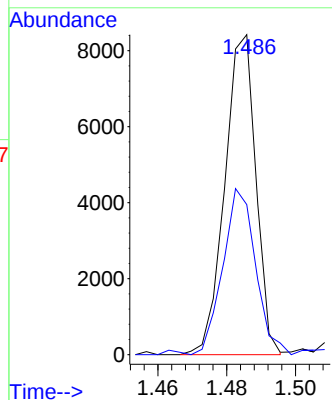
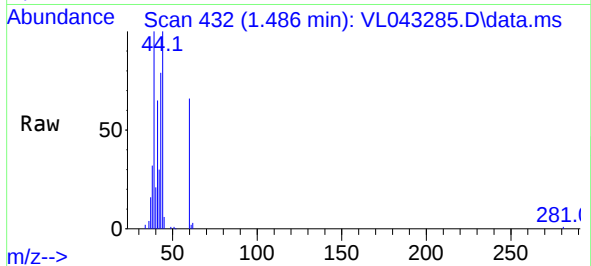
#9
Propene
Concen: 0.841 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 5289
Ion Ratio Lower Upper
41 100
42 57.3 3.7 5.5

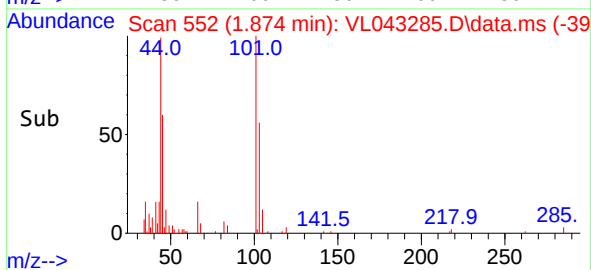
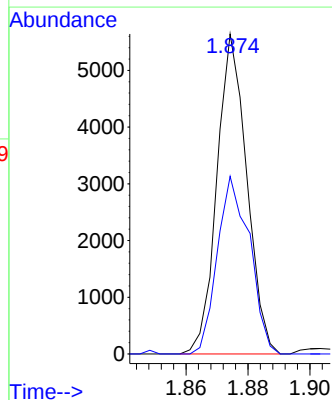
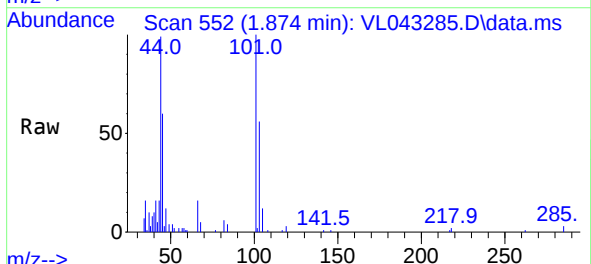
Manual Integrations
APPROVED

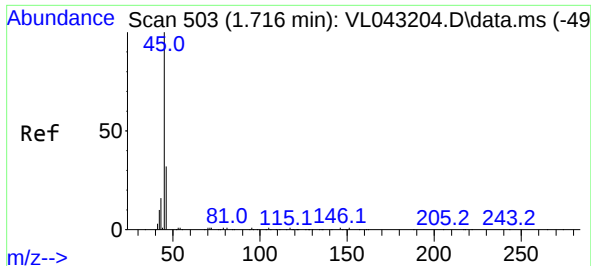
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#11
Trichlorofluoromethane
Concen: 0.259 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

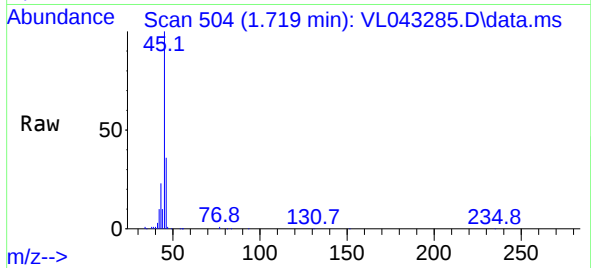
Tgt Ion:101 Resp: 3779
Ion Ratio Lower Upper
101 100
103 55.5 52.6 79.0





#13
Ethanol
Concen: 8.747 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

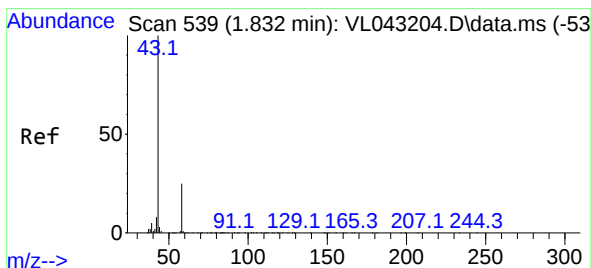
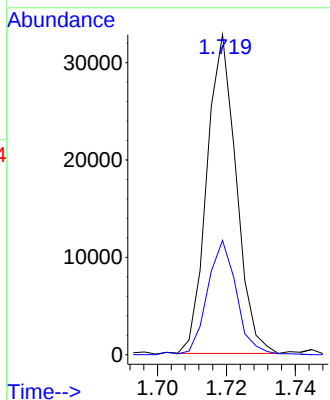
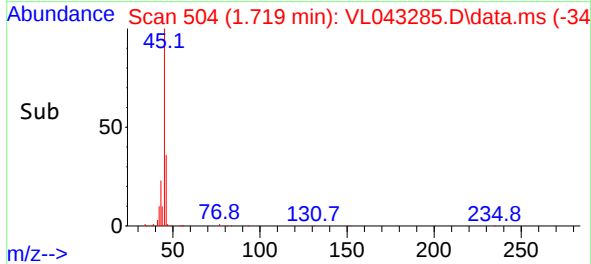
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 45 Resp: 19354
Ion Ratio Lower Upper
45 100
46 36.2 15.0 59.8

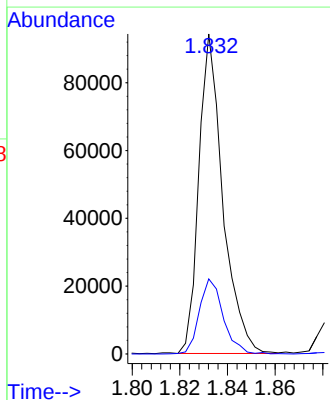
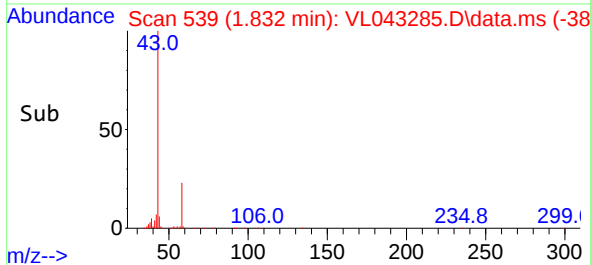
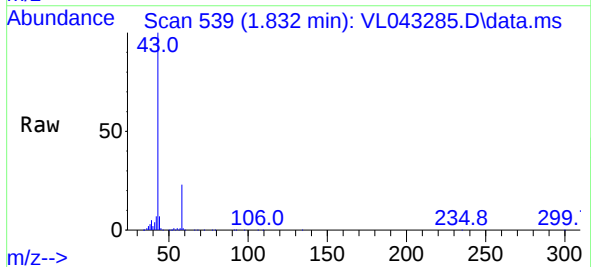
Manual Integrations
APPROVED

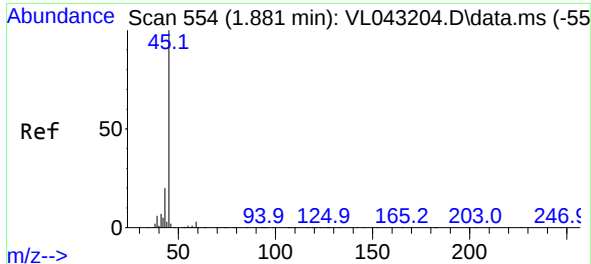
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#15
Acetone
Concen: 4.444 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Tgt Ion: 43 Resp: 65952
Ion Ratio Lower Upper
43 100
58 23.5 20.7 31.1





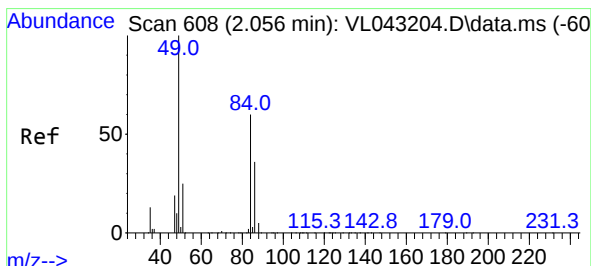
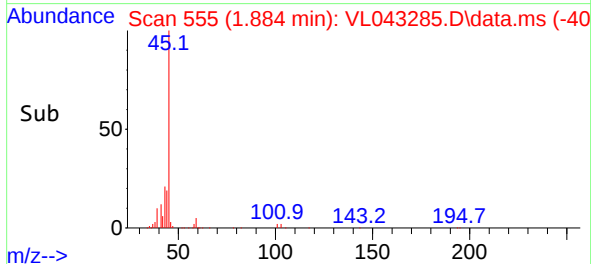
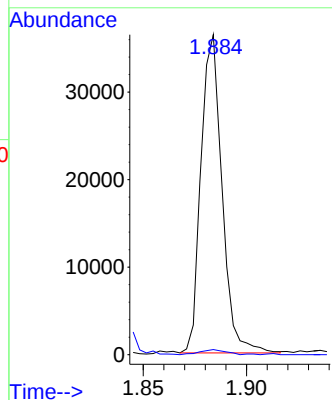
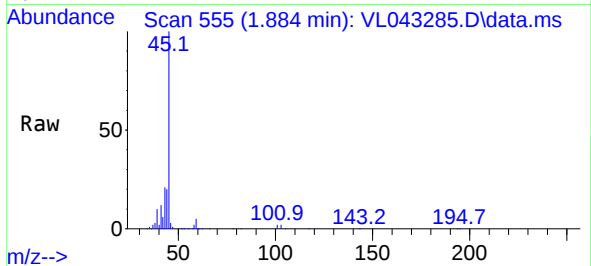
#19
Isopropyl Alcohol
Concen: 3.078 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 2581
Ion Ratio Lower Upper
45 100
58 60.0 31.3 46.9

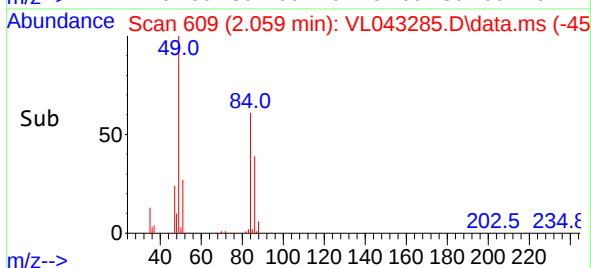
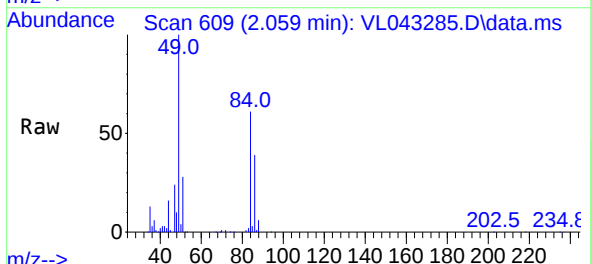
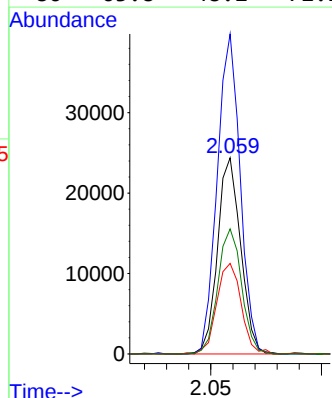
Manual Integrations
APPROVED

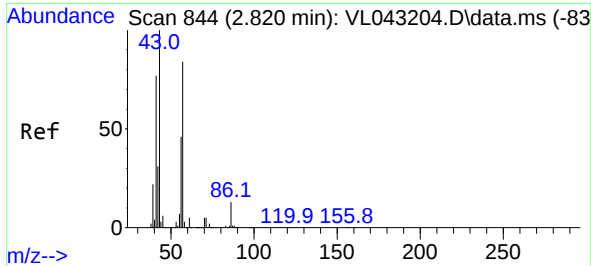
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#20
Methylene Chloride
Concen: 3.556 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

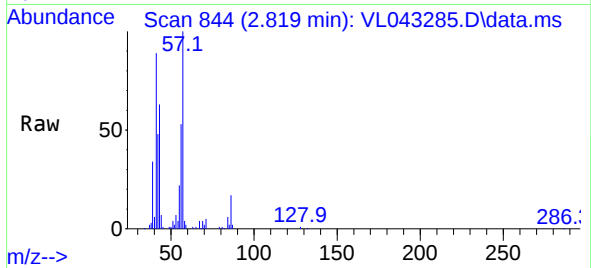
Tgt Ion: 84 Resp: 17762
Ion Ratio Lower Upper
84 100
49 163.1 132.9 199.3
51 46.1 34.8 52.2
86 63.8 48.2 72.2





#26
Hexane
Concen: 1.340 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

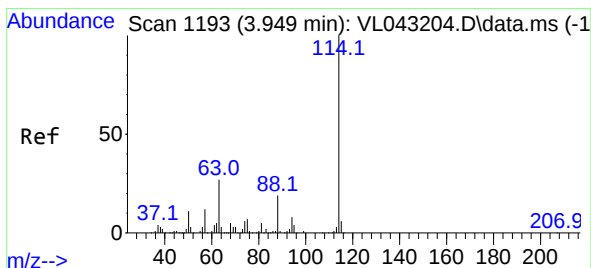
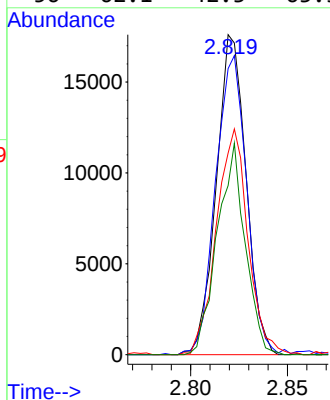
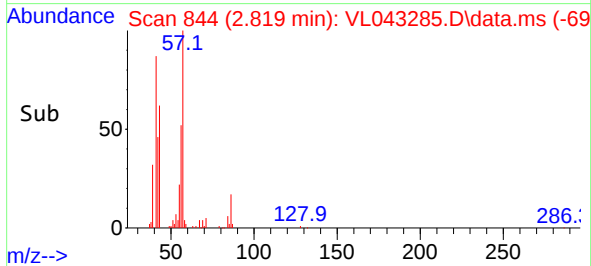
Instrument :
MSVOA_L
ClientSampleId :
OA1



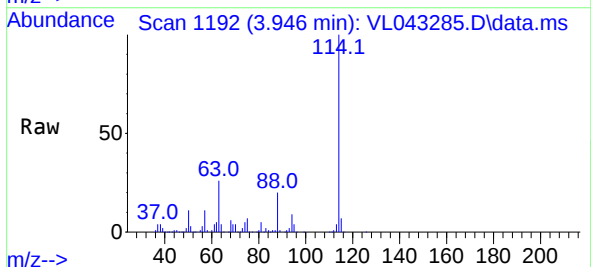
Tgt Ion: 57 Resp: 1880
Ion Ratio Lower Upper
57 100
41 99.8 74.6 111.8
43 75.0 179.0 268.4
56 62.1 42.3 63.5

Manual Integrations
APPROVED

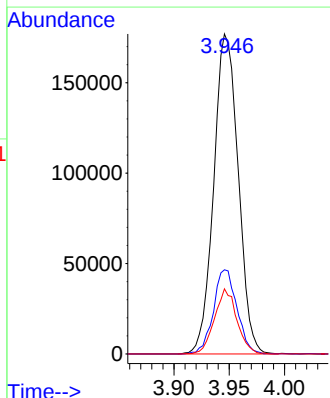
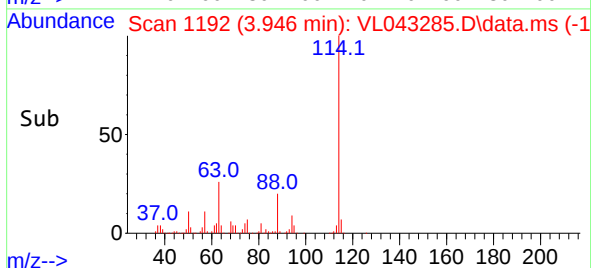
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

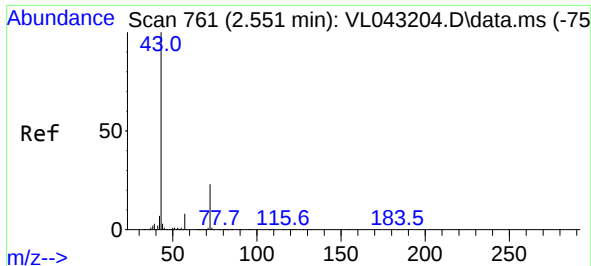


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.004 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43



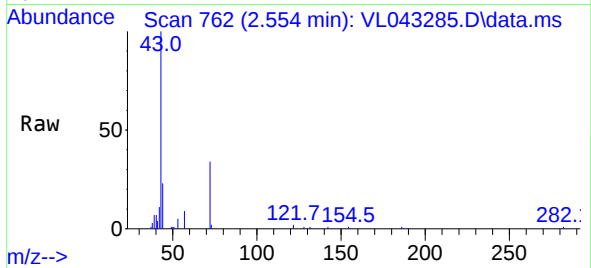
Tgt Ion:114 Resp: 272263
Ion Ratio Lower Upper
114 100
63 25.3 21.0 31.6
88 18.6 14.9 22.3





#34
2-Butanone
Concen: 0.298 ppbv
RT: 2.554 min Scan# 761
Delta R.T. 0.003 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

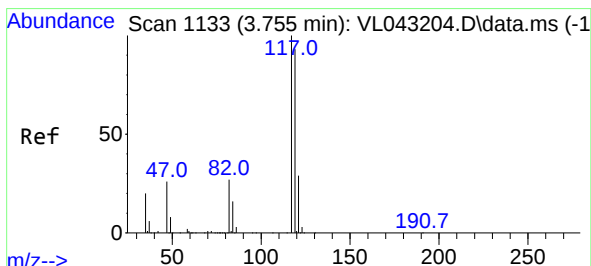
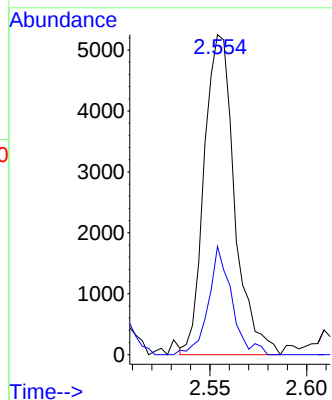
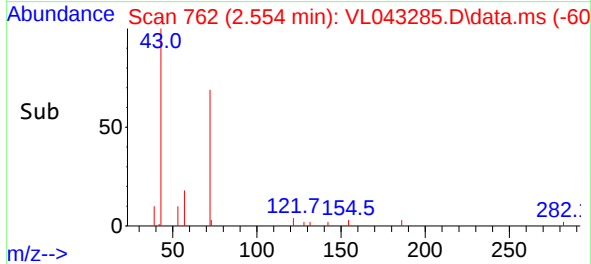
Instrument :
MSVOA_L
ClientSampleId :
OA1



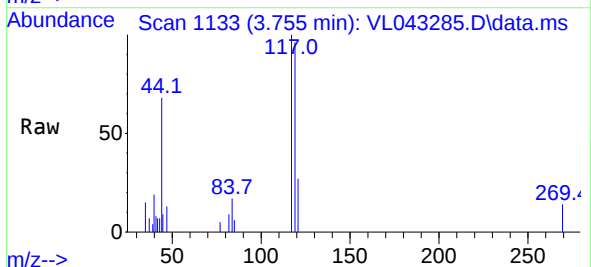
Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
72 26.0 18.1 27.1

Manual Integrations
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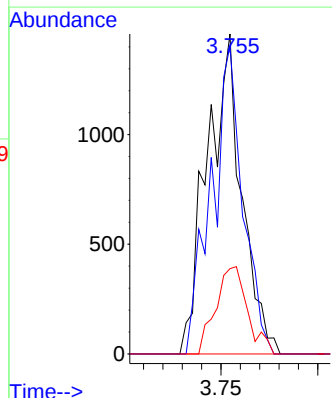
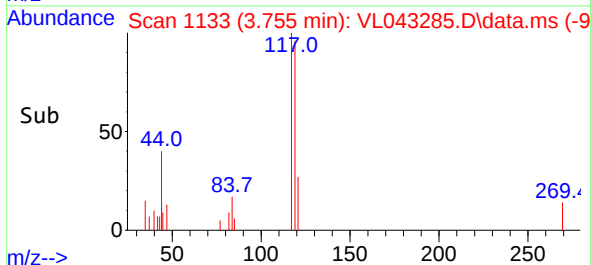
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

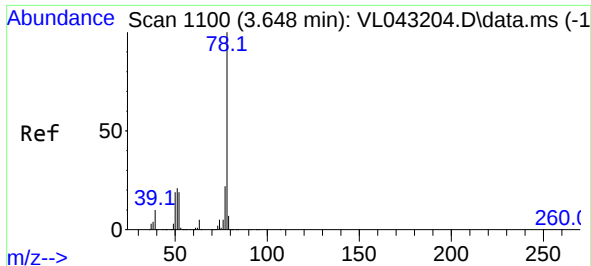


#35
Carbon Tetrachloride
Concen: 0.087 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43



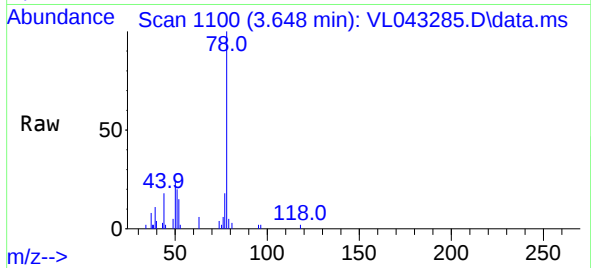
Tgt Ion:117 Resp: 1807
Ion Ratio Lower Upper
117 100
119 96.2 74.6 112.0
121 26.7 23.2 34.8





#36
Benzene
Concen: 0.223 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

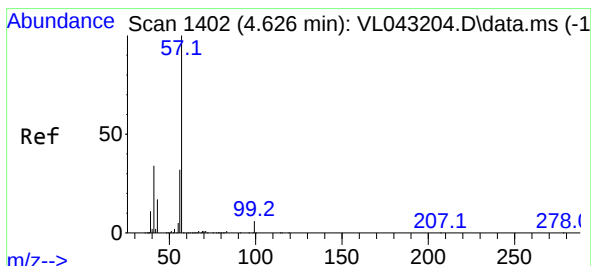
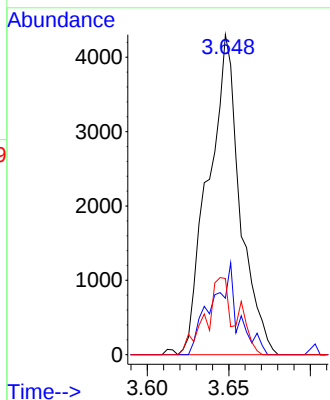
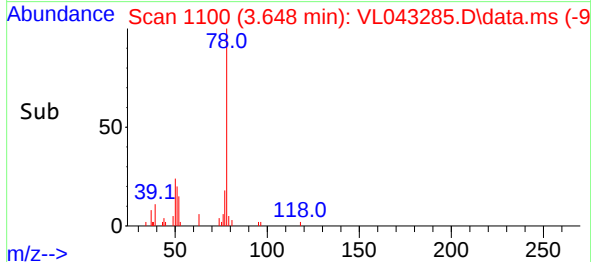
Instrument :
MSVOA_L
ClientSampleId :
OA1



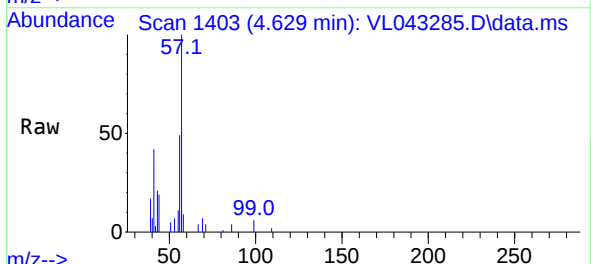
Tgt Ion: 78 Resp: 5800
Ion Ratio Lower Upper
78 100
77 17.7 17.5 26.3
50 23.8 15.5 23.3

Manual Integrations
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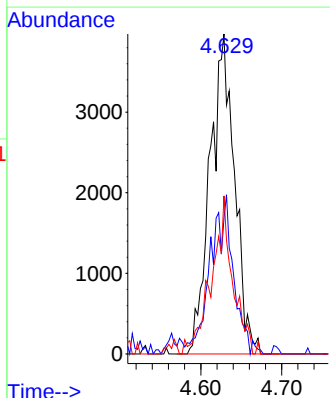
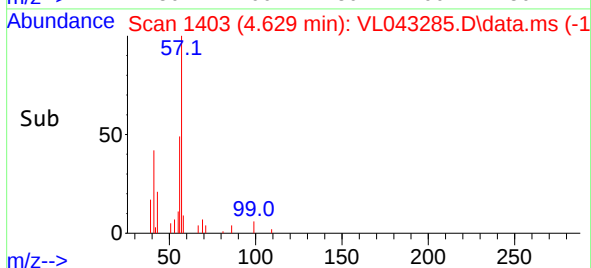
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025

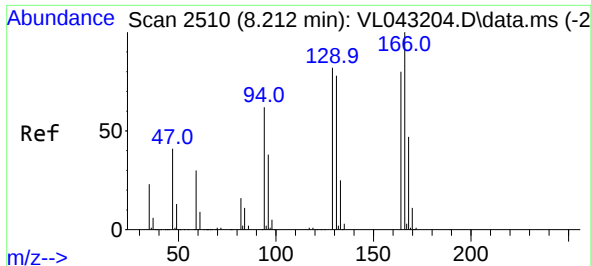


#44
2,2,4-Trimethylpentane
Concen: 0.187 ppbv m
RT: 4.629 min Scan# 1403
Delta R.T. 0.003 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43



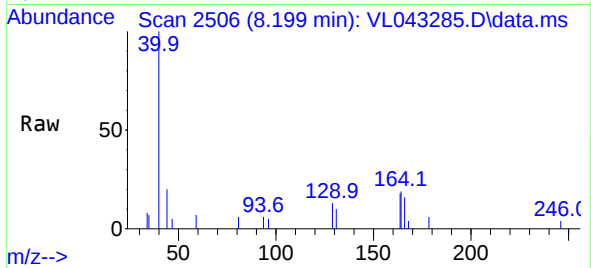
Tgt Ion: 57 Resp: 8356
Ion Ratio Lower Upper
57 100
41 50.6 28.0 42.0#
56 42.5 25.6 38.4#





#52
Tetrachloroethene
Concen: 0.068 ppbv m
RT: 8.199 min Scan# 2109
Delta R.T. -0.013 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

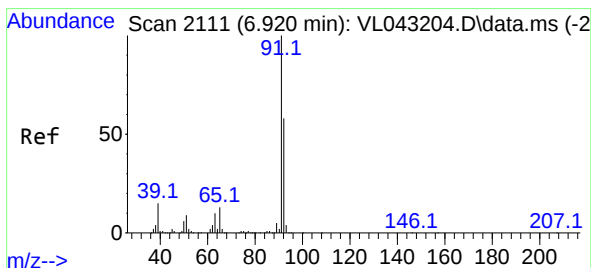
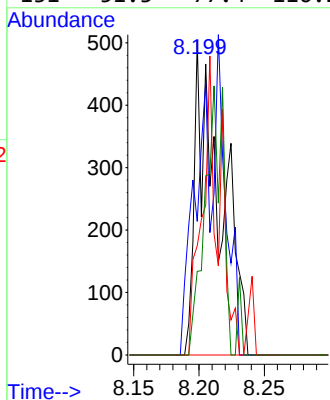
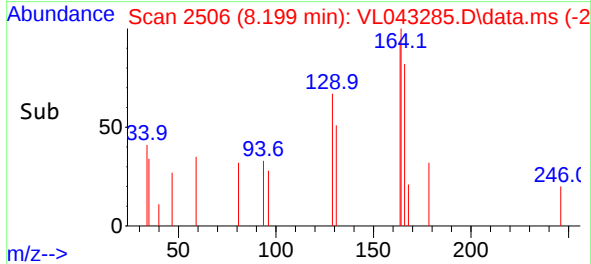
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:164 Resp: 658
Ion Ratio Lower Upper
164 100
166 82.0 99.4 149.2
129 67.0 81.8 122.8
131 51.3 77.4 116.2#

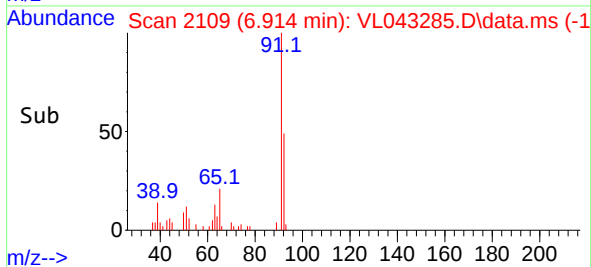
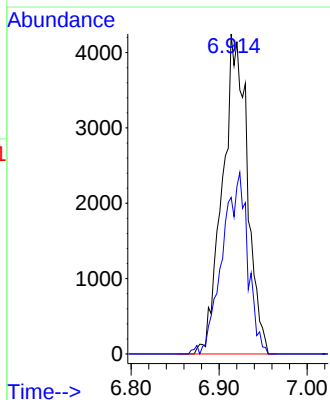
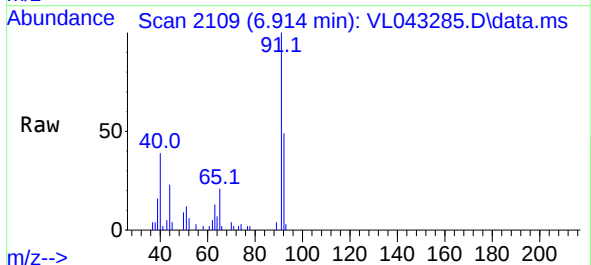
Manual Integrations
APPROVED

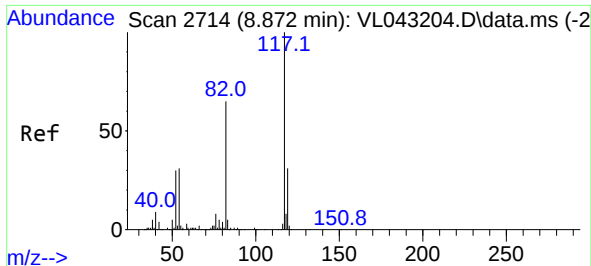
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#53
Toluene
Concen: 0.270 ppbv m
RT: 6.914 min Scan# 2109
Delta R.T. -0.007 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Tgt Ion: 91 Resp: 8340
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#





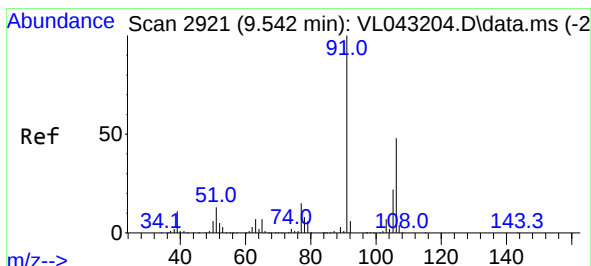
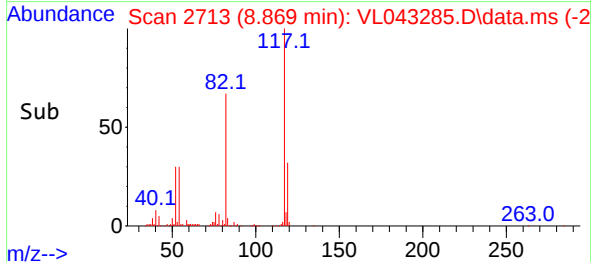
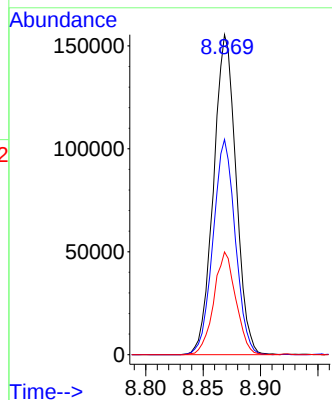
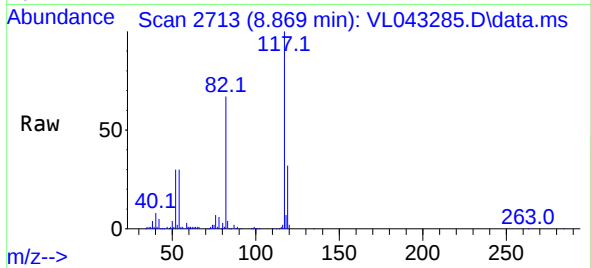
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21204
Delta R.T. -0.004 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 21204
Ion Ratio Lower Upper
117 100
82 66.4 56.1 84.1
119 31.5 25.0 37.6

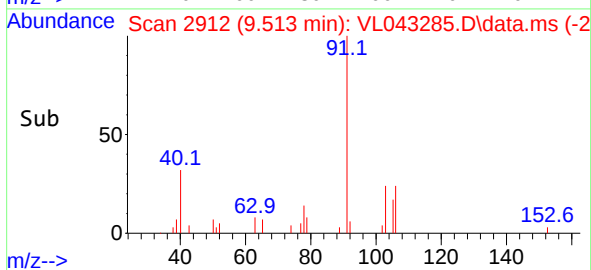
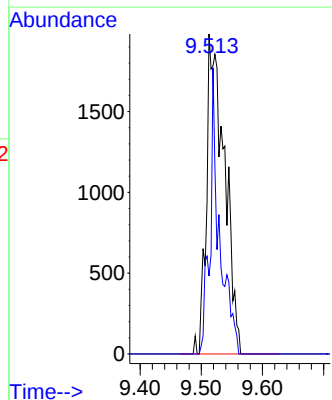
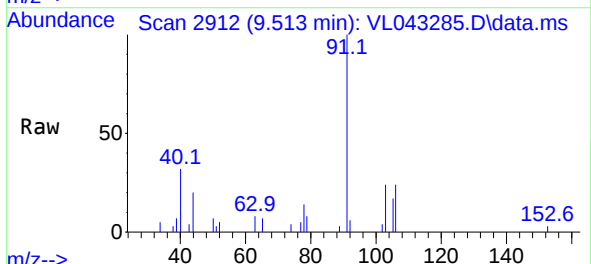
Manual Integrations
APPROVED

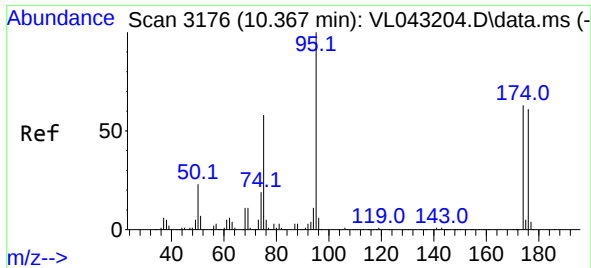
Reviewed By :Semsettin Yesilyurt 11/25/2025
Supervised By :Mahesh Dadoda 11/25/2025



#59
m/p-Xylene
Concen: 0.123 ppbv m
RT: 9.513 min Scan# 2912
Delta R.T. -0.029 min
Lab File: VL043285.D
Acq: 24 Nov 2025 16:43

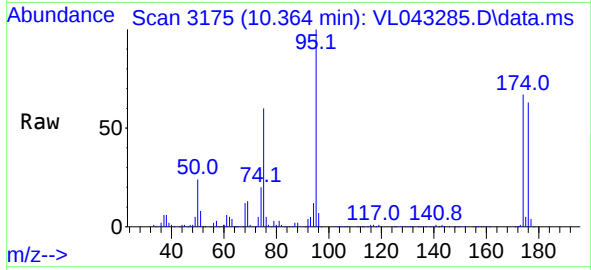
Tgt Ion: 91 Resp: 4019
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.660 ppbv
 RT: 10.364 min Scan# 3175
 Delta R.T. -0.004 min
 Lab File: VL043285.D
 Acq: 24 Nov 2025 16:43

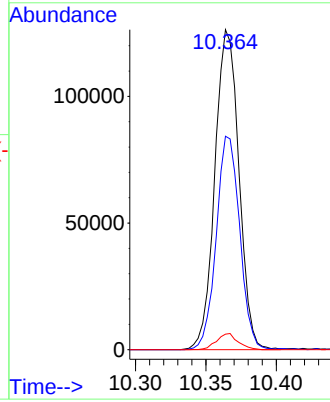
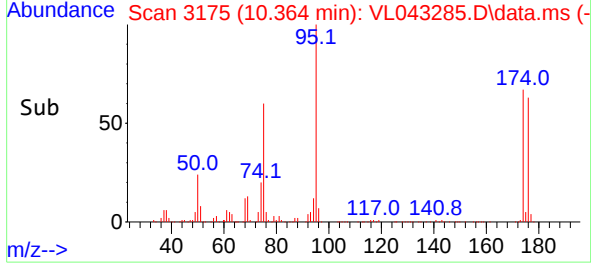
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 95	Resp: 150154
Ion Ratio	Lower Upper
95 100	
174 65.4	50.2 75.2
175 4.5	4.1 6.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025



Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: IA1DUP
Lab Sample ID: Q3696-02DUP
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected: 11/24/25
Date Received: 11/24/25
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/24/25 15:00	VL112425
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	11/24/25 15:00	VL112425
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/24/25 15:00	VL112425
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/24/25 15:00	VL112425
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/24/25 15:00	VL112425
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/24/25 15:00	VL112425
540-84-1	2,2,4-Trimethylpentane	0.25	1.17	J	1	0.65	2.34	11/24/25 15:00	VL112425
71-43-2	Benzene	0.35	1.12	J	1	0.26	1.60	11/24/25 15:00	VL112425
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/24/25 15:00	VL112425
108-88-3	Toluene	0.47	1.77	J	1	0.60	1.88	11/24/25 15:00	VL112425
127-18-4	Tetrachloroethene	0.13	0.88		1	0.14	0.20	11/24/25 15:00	VL112425
100-41-4	Ethyl Benzene	0.19	0.83	U	1	0.83	2.17	11/24/25 15:00	VL112425
179601-23-1	m/p-Xylene	0.58	2.52	J	1	1.78	4.34	11/24/25 15:00	VL112425
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17	11/24/25 15:00	VL112425
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 15:00	VL112425
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 15:00	VL112425
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52	11/24/25 15:00	VL112425
110-54-3	Hexane	0.72	2.54		1	0.56	1.76	11/24/25 15:00	VL112425
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	10.1				65 - 135	101% SPK: 10		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	106000							
540-36-3	1,4-Difluorobenzene	280000							
3114-55-4	Chlorobenzene-d5	214000							

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG No.: Q3696

Instrument ID: MSVOA_L

Calibration Date(s): 11/18/2025 11/18/2025

Heated Purge: (Y/N) N

Calibration Time(s): 09:29 13:24

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:		RRF0.5 = VL043203.D		RRF010 = VL043204.D		RRF002 = VL043205.D			
		RRF001 = VL043206.D		RRF0.1 = VL043208.D		RRF.03 = VL043209.D			
COMPOUND	RRF0.5	RRF010	RRF002	RRF001	RRF0.1	RRF.03	RRF	% RSD	
Vinyl Chloride	0.533	0.486	0.575	0.580	0.655	0.724	0.577	15.3	
Heptane	2.106	1.604	1.728	1.804			1.753	12.9	
1,1-Dichloroethane	1.050	1.018	1.194	1.173			1.096	7.4	
Cyclohexane	1.135	1.024	1.130	1.194			1.101	6.8	
cis-1,2-Dichloroethene	1.399	1.240	1.322	1.351			1.306	5.8	
1,1,1-Trichloroethane	1.971	1.884	2.033	2.018	2.046	2.116	1.990	4.5	
2,2,4-Trimethylpentane	1.746	1.555	1.621	1.765			1.645	6.5	
Benzene	0.996	0.905	0.986	1.001			0.958	5.3	
Trichloroethene	0.390	0.353	0.371	0.388	0.475	0.293	0.375	14.6	
Bromodichloromethane	0.782	0.745	0.783	0.795			0.773	2.6	
Toluene	1.198	1.075	1.146	1.182			1.134	5.3	
Tetrachloroethene	0.344	0.329	0.349	0.362	0.424	0.363	0.356	9.4	
m/p-Xylene	1.618	1.434	1.607	1.611			1.543	6.1	
o-Xylene	1.584	1.419	1.659	1.625			1.542	7.4	
1,3,5-Trimethylbenzene	1.623	1.456	1.662	1.682			1.575	7.1	
1,2,4-Trimethylbenzene	1.796	1.548	1.871	1.844			1.719	9.5	
Naphthalene	1.483	1.496	1.860	1.599	1.230		1.527	13.4	
1-Bromo-4-Fluorobenzene	0.729	0.735	0.741	0.733	0.725	0.712	0.733	1.9	
Hexane	1.374	1.235	1.375	1.424			1.314	8.4	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL111825AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Wed Nov 19 01:11:25 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL043209.D 0.1 =VL043208.D 0.5 =VL043203.D 1 =VL043206.D 2 =VL043205.D 10 =VL043204.D 15 =VL043210.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.398	1.505	1.476	1.340	1.334	1.410	5.53
3) Chlorodifluoro...			1.545	1.404	1.437	1.317	1.231	1.387	8.60
4) Chloromethane			0.521	0.559	0.568	0.498	0.489	0.527	6.72
5) T Vinyl Chloride	0.724	0.655	0.533	0.580	0.575	0.486	0.483	0.577	15.33
6) T Bromomethane			0.300	0.302	0.286	0.253	0.258	0.280	8.30
7) Chloroethane			0.246	0.248	0.236	0.194	0.199	0.225	11.59
8) T Dichlorotetra...			1.156	1.241	1.262	1.091	1.116	1.173	6.43
9) T Propene			0.677	0.598	0.621	0.501	0.548	0.589	11.44
10) T Heptane			2.106	1.804	1.728	1.604	1.522	1.753	12.87
11) T Trichlorofluor...			1.238	1.515	1.487	1.240	1.352	1.367	9.62
12) T 1,1,2-Trichlor...			1.061	1.142	1.115	0.987	1.029	1.067	5.92
13) Ethanol			0.215	0.231	0.252	0.166	0.172	0.207	17.99
14) T Bromoethene			0.448	0.423	0.436	0.362	0.376	0.409	9.29
15) T Acetone			1.721	1.591	1.519	1.032	1.085	1.389	22.41
16) T 1,3-Butadiene			0.745	0.629	0.626	0.551	0.546	0.619	13.01
17) tert-Butyl alc...			1.784	2.014	1.880	1.705	1.735	1.824	6.87
18) T 1,1-Dichloroet...			0.555	0.530	0.515	0.441	0.443	0.497	10.52
19) T Isopropyl Alcohol			0.848	0.861	0.823	0.684	0.709	0.785	10.51
20) T Methylene Chlo...			0.906	0.710	0.585	0.398	0.403	0.600	35.87
21) T Allyl Chloride			1.139	0.895	0.936	0.849	0.855	0.935	12.75
22) T trans-1,2-Dich...			0.605	0.614	0.599	0.499	0.521	0.568	9.39
23) T Vinyl Acetate			1.885	1.632	1.682	1.622	1.565	1.677	7.36
24) T 1,1-Dichloroet...			1.050	1.173	1.194	1.018	1.044	1.096	7.42
25) T Ethyl Acetate			3.371	3.123	3.074	2.759	2.655	2.996	9.68
26) T Hexane			1.374	1.424	1.375	1.235	1.161	1.314	8.44
27) T Carbon Disulfide			1.303	1.424	1.432	1.257	1.291	1.341	6.03
28) T Methyl tert-Bu...			0.642	0.704	0.674	0.591	0.614	0.645	7.02
29) T Chloroform			1.955	1.898	1.928	1.785	1.770	1.867	4.52
30) T Cyclohexane			1.135	1.194	1.130	1.024	1.024	1.101	6.80
31) T cis-1,2-Dichlo...			1.399	1.351	1.322	1.240	1.217	1.306	5.83
32) T 1,1,1-Trichlor...	2.116	2.046	1.970	2.018	2.033	1.884	1.865	1.990	4.52

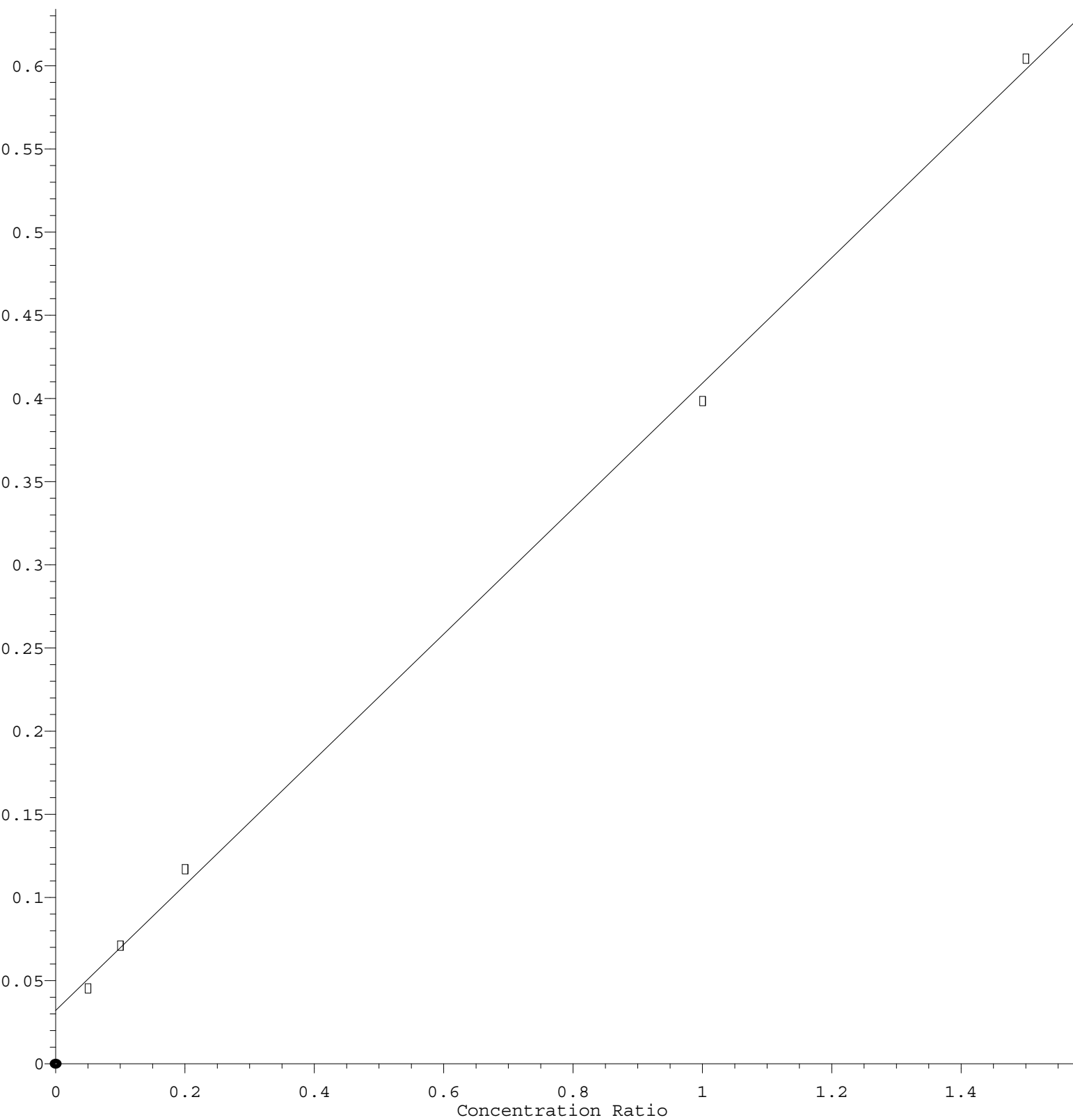
33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.744	0.751	0.736	0.644	0.655	0.706	7.38
35) T Carbon Tetrach...	0.832	0.765	0.779	0.771	0.737	0.708	0.721	0.759	5.51
36) T Benzene			0.996	1.001	0.986	0.905	0.900	0.958	5.28
37) T 1,2-Dichloroet...			0.572	0.580	0.565	0.531	0.553	0.560	3.39
38) T Trichloroethene	0.293	0.475	0.390	0.388	0.371	0.353	0.353	0.375	14.65
39) T 1,2-Dichloropr...			0.372	0.364	0.350	0.335	0.332	0.351	4.97

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\											
Method File : VL111825AIR.M											
40)	T	1,4-Dioxane			0.180	0.166	0.155	0.142	0.144	0.158	10.04
41)	T	Tetrahydrofuran			0.418	0.401	0.402	0.367	0.360	0.390	6.32
42)	T	Bromodichlorom...			0.782	0.795	0.783	0.745	0.758	0.773	2.63
43)		Methyl Methacr...			0.576	0.532	0.511	0.462	0.462	0.508	9.55
44)	T	2,2,4-Trimethy...			1.746	1.765	1.621	1.555	1.537	1.645	6.47
45)	T	t-1,3-Dichloro...			0.495	0.472	0.489	0.455	0.458	0.474	3.79
46)	T	cis-1,3-Dichlo...			0.599	0.557	0.562	0.534	0.529	0.556	5.00
47)	T	1,1,2-Trichlor...			0.424	0.372	0.378	0.344	0.342	0.372	8.91
48)	T	Dibromochlorom...			0.629	0.666	0.663	0.618	0.621	0.640	3.63
49)	T	Bromoform			0.583	0.569	0.581	0.555	0.545	0.566	2.86
50)	T	4-Methyl-2-Pen...			1.025	1.061	1.027	0.946	0.914	0.994	6.19
51)	T	2-Hexanone			0.782	0.805	0.816	0.734	0.724	0.772	5.37
52)	T	Tetrachloroethene	0.363	0.424	0.344	0.362	0.349	0.329	0.323	0.356	9.37
53)	T	Toluene			1.198	1.182	1.146	1.075	1.069	1.134	5.26
54)	T	1,2-Dibromoethane		0.528	0.587	0.569	0.549	0.525	0.526	0.547	4.79
-----ISTD-----											
55)	I	Chlorobenzene-d5									
56)		1,1,1,2-Tetrac...			0.791	0.769	0.761	0.677	0.677	0.735	7.34
57)	T	Chlorobenzene			1.035	1.088	1.089	0.969	0.953	1.027	6.24
58)	T	Ethyl Benzene			1.927	2.038	2.008	1.821	1.830	1.925	5.16
59)	T	m/p-Xylene			1.618	1.611	1.607	1.434	1.446	1.543	6.12
60)	T	o-Xylene			1.584	1.625	1.659	1.419	1.421	1.542	7.42
61)	T	Styrene			0.669	0.690	0.719	0.648	0.647	0.675	4.54
62)		Isopropylbenzene			2.807	2.946	2.945	2.556	2.536	2.758	7.31
63)	T	1,1,2,2-Tetrac...	0.999	1.034	1.016	1.012	1.028	0.891	0.884	0.981	6.58
64)		n-propylbenzene			0.722	0.758	0.757	0.657	0.649	0.709	7.47
65)		tert-Butylbenzene			2.583	2.687	2.646	2.224	2.176	2.463	9.90
66)	T	Benzyl Chloride			0.275	0.251	0.257	0.241	0.225	0.250	7.36
67)		sec-Butylbenzene			3.588	3.728	3.697	3.108	3.070	3.438	9.40
68)	S	1-Bromo-4-Fluo...	0.712	0.725	0.729	0.733	0.741	0.735	0.757	0.733	1.90
69)		p-Isopropyltol...			2.994	3.070	3.197	2.660	2.641	2.912	8.58
70)		n-Butylbenzene			2.676	3.041	3.125	2.639	2.647	2.825	8.39
71)		2-Chlorotoluene			2.198	2.257	2.210	1.960	1.975	2.120	6.65
72)	T	4-Ethyltoluene			1.934	1.948	2.009	1.749	1.747	1.877	6.46
73)	T	1,3,5-Trimethy...			1.623	1.682	1.662	1.456	1.454	1.575	7.09
74)	T	1,2,4-Trimethy...			1.796	1.844	1.871	1.548	1.537	1.719	9.51
75)	T	1,3-Dichlorobe...			1.043	1.053	1.061	0.937	0.922	1.003	6.78
76)	T	1,4-Dichlorobe...			1.056	1.033	1.060	0.940	0.930	1.003	6.34
77)	T	1,2-Dichlorobe...			0.974	1.064	1.050	0.872	0.863	0.965	9.83
78)	T	Hexachloro-1,3...			0.854	0.899	0.920	0.686	0.666	0.805	14.94
79)	T	Naphthalene		1.230	1.483	1.599	1.860	1.496	1.493	1.527	13.35
80)	T	Naphthalene,2-...			0.397	0.323	0.448	0.397	0.439	0.401	12.30
81)	T	1,2,4-Trichlor...			0.549	0.692	0.813	0.678	0.682	0.683	13.72

(#) = Out of Range

Methylene Chloride

Response Ratio



Response = 3.773e-001 * Amt + 3.213e-002
 Coef of Det (r^2) = 0.998825 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA L\methods\VL11825AIR.M
 Calibration Table Last Updated: Wed Nov 19 01:11:25 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043203.D
 Acq On : 18 Nov 2025 09:29
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:48:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	110490	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	296493	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	247761	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.371 95 180529 9.941 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	7723	0.496	ppbv	99
3) Chlorodifluoromethane	1.473	51	8538	0.557	ppbv #	82
4) Chloromethane	1.531	50	2881	0.494	ppbv	94
5) Vinyl Chloride	1.580	62	2947	0.462	ppbv #	87
6) Bromomethane	1.667	94	1656	0.536	ppbv	97
7) Chloroethane	1.703	64	1357	0.547	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	6386	0.493	ppbv	100
9) Propene	1.483	41	3739	0.526	ppbv #	1
10) Heptane	4.972	43	11637m	0.597	ppbv	
11) Trichlorofluoromethane	1.878	101	6841	0.453	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.140	101	5863	0.497	ppbv	99
13) Ethanol	1.719	45	1190	0.520	ppbv	64
14) Bromoethene	1.781	108	2476	0.548	ppbv #	75
15) Acetone	1.836	43	9506	0.619	ppbv #	88
16) 1,3-Butadiene	1.606	39	4115	0.601	ppbv	95
17) tert-Butyl alcohol	2.043	59	9854	0.489	ppbv #	68
18) 1,1-Dichloroethene	2.033	96	3068	0.559	ppbv	96
19) Isopropyl Alcohol	1.887	45	4687	0.540	ppbv #	51
20) Methylene Chloride	2.059	84	5006	0.349	ppbv	92
21) Allyl Chloride	2.095	41	6291	0.609	ppbv	95
22) trans-1,2-Dichloroethene	2.337	96	3343	0.533	ppbv	80
23) Vinyl Acetate	2.464	43	10414	0.562	ppbv #	92
24) 1,1-Dichloroethane	2.409	63	5803	0.479	ppbv #	96
25) Ethyl Acetate	2.839	43	18625m	0.562	ppbv	
26) Hexane	2.823	57	7589	0.523	ppbv #	91
27) Carbon Disulfide	2.150	76	7198	0.486	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	3545	0.498	ppbv #	15
29) Chloroform	2.849	83	10800	0.523	ppbv	95
30) Cyclohexane	3.849	84	6271	0.515	ppbv	85
31) cis-1,2-Dichloroethene	2.719	61	7728	0.536	ppbv	87
32) 1,1,1-Trichloroethane	3.363	97	10886	0.490	ppbv	98
34) 2-Butanone	2.557	43	11026	0.527	ppbv	95
35) Carbon Tetrachloride	3.761	117	11551	0.513	ppbv	94
36) Benzene	3.655	78	14759	0.520	ppbv #	91
37) 1,2-Dichloroethane	3.218	62	8477	0.510	ppbv #	93
38) Trichloroethene	4.542	130	5775	0.519	ppbv #	87
39) 1,2-Dichloropropane	4.312	63	5510	0.530	ppbv #	80
40) 1,4-Dioxane	4.597	88	2675m	0.573	ppbv	
41) Tetrahydrofuran	3.059	42	6193	0.536	ppbv	95
42) Bromodichloromethane	4.490	83	11597	0.506	ppbv #	84
43) Methyl Methacrylate	4.881	69	8534m	0.566	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	25890	0.531	ppbv	95
45) t-1,3-Dichloropropene	6.412	75	7343	0.523	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043203.D
 Acq On : 18 Nov 2025 09:29
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:48:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	8886m	0.539	ppbv	
47) 1,1,2-Trichloroethane	6.581	97	6280m	0.567	ppbv	
48) Dibromochloromethane	7.380	129	9327	0.492	ppbv	97
49) Bromoform	9.481	173	8636	0.514	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	15190	0.515	ppbv	92
51) 2-Hexanone	7.442	43	11594	0.506	ppbv #	93
52) Tetrachloroethene	8.218	164	5097	0.483	ppbv #	82
53) Toluene	6.924	91	17755m	0.525	ppbv	
54) 1,2-Dibromoethane	7.649	107	8708	0.537	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.917	131	9793m	0.538	ppbv	
57) Chlorobenzene	8.917	112	12818	0.504	ppbv	98
58) Ethyl Benzene	9.351	91	23866	0.500	ppbv	96
59) m/p-Xylene	9.526	91	40076m	1.044	ppbv	
60) o-Xylene	9.956	91	19621	0.514	ppbv	100
61) Styrene	9.869	104	8287	0.496	ppbv	96
62) Isopropylbenzene	10.536	105	34773	0.509	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.960	83	12591	0.519	ppbv	100
64) n-propylbenzene	10.986	120	8945	0.509	ppbv	100
65) tert-Butylbenzene	11.526	119	31998	0.524	ppbv	99
66) Benzyl Chloride	11.610	91	3403	0.550	ppbv	98
67) sec-Butylbenzene	11.766	105	44448	0.522	ppbv	97
69) p-Isopropyltoluene	11.921	119	37087	0.514	ppbv	100
70) n-Butylbenzene	12.277	91	33153	0.474	ppbv	94
71) 2-Chlorotoluene	10.895	91	27224	0.518	ppbv	99
72) 4-Ethyltoluene	11.122	105	23963	0.515	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	20104	0.515	ppbv	99
74) 1,2,4-Trimethylbenzene	11.533	105	22254	0.522	ppbv	91
75) 1,3-Dichlorobenzene	11.604	146	12926	0.520	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	13076	0.526	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	12069	0.505	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	10578	0.530	ppbv	98
79) Naphthalene	13.513	128	18377	0.486	ppbv	97
80) Naphthalene,2-methyl-	14.462	142	4917	0.495	ppbv	91
81) 1,2,4-Trichlorobenzene	13.439	180	6798	0.402	ppbv	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043204.D
 Acq On : 18 Nov 2025 10:02
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:49:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	105095	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	283830	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	234772	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	172524	10.025	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	140789	9.498	ppbv	100
3) Chlorodifluoromethane	1.473	51	138443	9.497	ppbv	100
4) Chloromethane	1.531	50	52372	9.450	ppbv	100
5) Vinyl Chloride	1.577	62	51045	8.422	ppbv	100
6) Bromomethane	1.664	94	26542	9.034	ppbv	100
7) Chloroethane	1.700	64	20375	8.632	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	114670	9.300	ppbv	100
9) Propene	1.480	41	52671	7.789	ppbv #	1
10) Heptane	4.965	43	168611	9.090	ppbv	100
11) Trichlorofluoromethane	1.875	101	130362	9.077	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	103679	9.247	ppbv	100
13) Ethanol	1.716	45	17464	8.023	ppbv	100
14) Bromoethene	1.777	108	38037	8.849	ppbv	100
15) Acetone	1.832	43	108422	7.426	ppbv	100
16) 1,3-Butadiene	1.606	39	57871	8.890	ppbv	100
17) tert-Butyl alcohol	2.036	59	179201	9.350	ppbv	100
18) 1,1-Dichloroethene	2.030	96	46313	8.871	ppbv	100
19) Isopropyl Alcohol	1.881	45	71862	8.710	ppbv	100
20) Methylene Chloride	2.056	84	41868	9.708	ppbv	100
21) Allyl Chloride	2.091	41	89266	9.087	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	52470	8.793	ppbv	100
23) Vinyl Acetate	2.457	43	170459	9.670	ppbv	100
24) 1,1-Dichloroethane	2.405	63	106970	9.287	ppbv	100
25) Ethyl Acetate	2.829	43	289921	9.190	ppbv	100
26) Hexane	2.820	57	129809	9.402	ppbv	100
27) Carbon Disulfide	2.146	76	132086	9.371	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	62115	9.165	ppbv	100
29) Chloroform	2.842	83	187620	9.561	ppbv	100
30) Cyclohexane	3.846	84	107621	9.297	ppbv	100
31) cis-1,2-Dichloroethene	2.716	61	130357	9.499	ppbv	100
32) 1,1,1-Trichloroethane	3.360	97	198036	9.381	ppbv	100
34) 2-Butanone	2.551	43	182749	9.121	ppbv	100
35) Carbon Tetrachloride	3.755	117	200831	9.322	ppbv	100
36) Benzene	3.648	78	256954	9.453	ppbv	100
37) 1,2-Dichloroethane	3.211	62	150769	9.483	ppbv	100
38) Trichloroethene	4.535	130	100136	9.398	ppbv	100
39) 1,2-Dichloropropane	4.302	63	95097	9.559	ppbv	100
40) 1,4-Dioxane	4.567	88	40441	9.043	ppbv #	100
41) Tetrahydrofuran	3.046	42	104294	9.426	ppbv	100
42) Bromodichloromethane	4.477	83	211504	9.643	ppbv	100
43) Methyl Methacrylate	4.865	69	131003	9.080	ppbv	100
44) 2,2,4-Trimethylpentane	4.626	57	441234	9.451	ppbv	100
45) t-1,3-Dichloropropene	6.399	75	129122	9.601	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043204.D
 Acq On : 18 Nov 2025 10:02
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:49:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.584	75	151655	9.603	ppbv	100
47) 1,1,2-Trichloroethane	6.564	97	97512	9.193	ppbv	100
48) Dibromochloromethane	7.377	129	175529	9.670	ppbv	100
49) Bromoform	9.474	173	157563	9.800	ppbv	100
50) 4-Methyl-2-Pentanone	5.733	43	268369	9.509	ppbv	100
51) 2-Hexanone	7.419	43	208268	9.503	ppbv #	100
52) Tetrachloroethene	8.212	164	93518	9.249	ppbv	100
53) Toluene	6.920	91	305169	9.422	ppbv	100
54) 1,2-Dibromoethane	7.639	107	148973	9.588	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.914	131	158856	9.207	ppbv	100
57) Chlorobenzene	8.911	112	227490	9.438	ppbv	100
58) Ethyl Benzene	9.345	91	427530	9.461	ppbv	100
59) m/p-Xylene	9.542	91	673371m	18.519	ppbv	
60) o-Xylene	9.956	91	333044	9.202	ppbv	100
61) Styrene	9.863	104	152172	9.607	ppbv	100
62) Isopropylbenzene	10.533	105	600155	9.269	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	209272	9.109	ppbv	100
64) n-propylbenzene	10.982	120	154239	9.271	ppbv	100
65) tert-Butylbenzene	11.523	119	522106	9.029	ppbv	100
66) Benzyl Chloride	11.607	91	56620	9.649	ppbv	100
67) sec-Butylbenzene	11.762	105	729573	9.039	ppbv	100
69) p-Isopropyltoluene	11.918	119	624586	9.135	ppbv	100
70) n-Butylbenzene	12.274	91	619610	9.341	ppbv	100
71) 2-Chlorotoluene	10.895	91	460118	9.245	ppbv	100
72) 4-Ethyltoluene	11.118	105	410587	9.316	ppbv	100
73) 1,3,5-Trimethylbenzene	11.196	105	341900	9.244	ppbv	100
74) 1,2,4-Trimethylbenzene	11.529	105	363476	9.005	ppbv	100
75) 1,3-Dichlorobenzene	11.601	146	219894	9.335	ppbv	100
76) 1,4-Dichlorobenzene	11.665	146	220576	9.363	ppbv	100
77) 1,2-Dichlorobenzene	11.940	146	204826	9.044	ppbv	100
78) Hexachloro-1,3-Butadiene	13.876	225	161034	8.520	ppbv	100
79) Naphthalene	13.507	128	351148	9.795	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	93113	9.895	ppbv	100
81) 1,2,4-Trichlorobenzene	13.436	180	159091	9.923	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043205.D
 Acq On : 18 Nov 2025 10:37
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:50:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	104644	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	284629	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	230646	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 171009 10.115 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	30881	2.092	ppbv	98
3) Chlorodifluoromethane	1.476	51	30069	2.072	ppbv	98
4) Chloromethane	1.534	50	11890	2.155	ppbv	96
5) Vinyl Chloride	1.580	62	12040	1.995	ppbv	96
6) Bromomethane	1.670	94	5981	2.044	ppbv	99
7) Chloroethane	1.706	64	4943	2.103	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	26409	2.151	ppbv	98
9) Propene	1.486	41	12993	1.930	ppbv #	1
10) Heptane	4.972	43	36171m	1.958	ppbv	
11) Trichlorofluoromethane	1.878	101	31124	2.177	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	23336	2.090	ppbv	100
13) Ethanol	1.722	45	5266	2.430	ppbv	86
14) Bromoethene	1.784	108	9129	2.133	ppbv	95
15) Acetone	1.835	43	31785	2.186	ppbv	91
16) 1,3-Butadiene	1.609	39	13101	2.021	ppbv	89
17) tert-Butyl alcohol	2.039	59	39348	2.062	ppbv	95
18) 1,1-Dichloroethene	2.036	96	10780	2.074	ppbv	94
19) Isopropyl Alcohol	1.887	45	17229	2.097	ppbv #	71
20) Methylene Chloride	2.062	84	12238	2.248	ppbv	96
21) Allyl Chloride	2.098	41	19580	2.002	ppbv	95
22) trans-1,2-Dichloroethene	2.340	96	12537	2.110	ppbv	94
23) Vinyl Acetate	2.460	43	35205	2.006	ppbv #	97
24) 1,1-Dichloroethane	2.408	63	24987	2.179	ppbv	99
25) Ethyl Acetate	2.832	43	64343	2.048	ppbv	99
26) Hexane	2.826	57	28776	2.093	ppbv	97
27) Carbon Disulfide	2.149	76	29964	2.135	ppbv #	91
28) Methyl tert-Butyl Ether	2.438	73	14101	2.090	ppbv #	85
29) Chloroform	2.849	83	40355	2.065	ppbv	98
30) Cyclohexane	3.855	84	23659	2.053	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	27663	2.024	ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	42547	2.024	ppbv	99
34) 2-Butanone	2.557	43	41884	2.085	ppbv	99
35) Carbon Tetrachloride	3.765	117	41949	1.942	ppbv	96
36) Benzene	3.654	78	56141m	2.060	ppbv	
37) 1,2-Dichloroethane	3.218	62	32188	2.019	ppbv	100
38) Trichloroethene	4.548	130	21105m	1.975	ppbv	
39) 1,2-Dichloropropane	4.312	63	19913	1.996	ppbv	93
40) 1,4-Dioxane	4.580	88	8829m	1.969	ppbv	
41) Tetrahydrofuran	3.056	42	22912	2.065	ppbv	99
42) Bromodichloromethane	4.490	83	44584	2.027	ppbv	98
43) Methyl Methacrylate	4.875	69	29071	2.009	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	92261	1.971	ppbv	96
45) t-1,3-Dichloropropene	6.406	75	27833m	2.064	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043205.D
 Acq On : 18 Nov 2025 10:37
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:50:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	31986	2.020	ppbv	91
47) 1,1,2-Trichloroethane	6.577	97	21542m	2.025	ppbv	
48) Dibromochloromethane	7.386	129	37758m	2.074	ppbv	
49) Bromoform	9.480	173	33057	2.050	ppbv	98
50) 4-Methyl-2-Pentanone	5.745	43	58461	2.066	ppbv	98
51) 2-Hexanone	7.432	43	46444	2.113	ppbv #	99
52) Tetrachloroethene	8.218	164	19856	1.958	ppbv	96
53) Toluene	6.927	91	65238	2.008	ppbv	97
54) 1,2-Dibromoethane	7.648	107	31266	2.007	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.920	131	35099	2.071	ppbv	99
57) Chlorobenzene	8.917	112	50228	2.121	ppbv	97
58) Ethyl Benzene	9.351	91	92649	2.087	ppbv	98
59) m/p-Xylene	9.529	91	148300m	4.151	ppbv	
60) o-Xylene	9.959	91	76540	2.153	ppbv	100
61) Styrene	9.866	104	33188	2.133	ppbv	98
62) Isopropylbenzene	10.536	105	135853	2.136	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.963	83	47439	2.102	ppbv	99
64) n-propylbenzene	10.985	120	34915	2.136	ppbv	99
65) tert-Butylbenzene	11.529	119	122064	2.149	ppbv	99
66) Benzyl Chloride	11.610	91	11870	2.059	ppbv	99
67) sec-Butylbenzene	11.765	105	170529	2.151	ppbv	100
69) p-Isopropyltoluene	11.921	119	147482	2.195	ppbv	98
70) n-Butylbenzene	12.280	91	144148	2.212	ppbv	99
71) 2-Chlorotoluene	10.898	91	101951	2.085	ppbv	100
72) 4-Ethyltoluene	11.121	105	92654	2.140	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	76655	2.110	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	86286	2.176	ppbv	98
75) 1,3-Dichlorobenzene	11.604	146	48961	2.116	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	48881	2.112	ppbv	98
77) 1,2-Dichlorobenzene	11.944	146	48431	2.177	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	42456	2.287	ppbv	99
79) Naphthalene	13.510	128	85788	2.436	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	20685	2.237	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	37521	2.382	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043206.D
 Acq On : 18 Nov 2025 11:10
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:51:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	102795	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	278732	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	227998	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 167061 9.996 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	15474	1.067	ppbv	100
3) Chlorodifluoromethane	1.476	51	14437	1.013	ppbv #	92
4) Chloromethane	1.531	50	5751	1.061	ppbv	92
5) Vinyl Chloride	1.580	62	5967	1.007	ppbv	95
6) Bromomethane	1.667	94	3104	1.080	ppbv	94
7) Chloroethane	1.706	64	2550	1.104	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	12759	1.058	ppbv	98
9) Propene	1.483	41	6147	0.929	ppbv #	1
10) Heptane	4.972	43	18544	1.022	ppbv	100
11) Trichlorofluoromethane	1.877	101	15571	1.108	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	11743	1.071	ppbv	99
13) Ethanol	1.719	45	2373	1.115	ppbv	67
14) Bromoethene	1.780	108	4345	1.033	ppbv #	91
15) Acetone	1.835	43	16353	1.145	ppbv	90
16) 1,3-Butadiene	1.609	39	6469	1.016	ppbv	96
17) tert-Butyl alcohol	2.039	59	20703	1.104	ppbv #	92
18) 1,1-Dichloroethene	2.033	96	5447	1.067	ppbv	97
19) Isopropyl Alcohol	1.884	45	8849	1.097	ppbv #	43
20) Methylene Chloride	2.059	84	7297	1.030	ppbv	85
21) Allyl Chloride	2.094	41	9198	0.957	ppbv #	84
22) trans-1,2-Dichloroethene	2.340	96	6313	1.082	ppbv	94
23) Vinyl Acetate	2.460	43	16779	0.973	ppbv	98
24) 1,1-Dichloroethane	2.405	63	12062	1.071	ppbv	94
25) Ethyl Acetate	2.832	43	32108	1.041	ppbv	98
26) Hexane	2.819	57	14639	1.084	ppbv	99
27) Carbon Disulfide	2.149	76	14637	1.062	ppbv #	30
28) Methyl tert-Butyl Ether	2.441	73	7236	1.092	ppbv #	83
29) Chloroform	2.845	83	19509	1.016	ppbv	91
30) Cyclohexane	3.852	84	12269	1.084	ppbv	96
31) cis-1,2-Dichloroethene	2.716	61	13889	1.035	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	20745	1.005	ppbv	99
34) 2-Butanone	2.554	43	20940	1.064	ppbv	96
35) Carbon Tetrachloride	3.758	117	21497	1.016	ppbv	96
36) Benzene	3.648	78	27911	1.046	ppbv	99
37) 1,2-Dichloroethane	3.214	62	16159	1.035	ppbv	99
38) Trichloroethene	4.538	130	10809m	1.033	ppbv	
39) 1,2-Dichloropropane	4.311	63	10147	1.039	ppbv	91
40) 1,4-Dioxane	4.577	88	4616m	1.051	ppbv	
41) Tetrahydrofuran	3.052	42	11176	1.029	ppbv	96
42) Bromodichloromethane	4.480	83	22150	1.028	ppbv #	98
43) Methyl Methacrylate	4.871	69	14821	1.046	ppbv	94
44) 2,2,4-Trimethylpentane	4.632	57	49203m	1.073	ppbv	
45) t-1,3-Dichloropropene	6.402	75	13149m	0.996	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043206.D
 Acq On : 18 Nov 2025 11:10
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:51:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	15527	1.001	ppbv #	95
47) 1,1,2-Trichloroethane	6.577	97	10369	0.995	ppbv #	85
48) Dibromochloromethane	7.377	129	18560	1.041	ppbv	93
49) Bromoform	9.477	173	15858	1.004	ppbv	98
50) 4-Methyl-2-Pentanone	5.745	43	29560	1.067	ppbv	99
51) 2-Hexanone	7.428	43	22438	1.043	ppbv #	98
52) Tetrachloroethene	8.215	164	10080	1.015	ppbv	90
53) Toluene	6.923	91	32951	1.036	ppbv	100
54) 1,2-Dibromoethane	7.645	107	15865	1.040	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.917	131	17535	1.046	ppbv	99
57) Chlorobenzene	8.914	112	24806	1.060	ppbv	98
58) Ethyl Benzene	9.344	91	46455	1.059	ppbv	96
59) m/p-Xylene	9.545	91	73461m	2.080	ppbv	
60) o-Xylene	9.956	91	37054	1.054	ppbv	97
61) Styrene	9.866	104	15730	1.023	ppbv	95
62) Isopropylbenzene	10.532	105	67163	1.068	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	23083	1.035	ppbv	97
64) n-propylbenzene	10.985	120	17289	1.070	ppbv	100
65) tert-Butylbenzene	11.526	119	61258	1.091	ppbv	99
66) Benzyl Chloride	11.610	91	5729	1.005	ppbv	96
67) sec-Butylbenzene	11.762	105	84989	1.084	ppbv	99
69) p-Isopropyltoluene	11.921	119	69993	1.054	ppbv	99
70) n-Butylbenzene	12.277	91	69323	1.076	ppbv	99
71) 2-Chlorotoluene	10.895	91	51452	1.065	ppbv	100
72) 4-Ethyltoluene	11.118	105	44403	1.037	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	38350	1.068	ppbv	91
74) 1,2,4-Trimethylbenzene	11.532	105	42051	1.073	ppbv #	81
75) 1,3-Dichlorobenzene	11.600	146	24011	1.050	ppbv	98
76) 1,4-Dichlorobenzene	11.665	146	23543	1.029	ppbv	97
77) 1,2-Dichlorobenzene	11.940	146	24248	1.103	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	20489	1.116	ppbv	99
79) Naphthalene	13.507	128	36462	1.047	ppbv	95
80) Naphthalene,2-methyl-	14.455	142	7375	0.807	ppbv	95
81) 1,2,4-Trichlorobenzene	13.436	180	15785	1.014	ppbv	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043208.D
 Acq On : 18 Nov 2025 12:16
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:51:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	101366	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	273996	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	222034	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	160968	9.890	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
						Qvalue
5) Vinyl Chloride	1.580	62	664	0.114	ppbv	97
32) 1,1,1-Trichloroethane	3.360	97	2074m	0.102	ppbv	
35) Carbon Tetrachloride	3.761	117	2097m	0.101	ppbv	
38) Trichloroethene	4.541	130	1302m	0.127	ppbv	
52) Tetrachloroethene	8.218	164	1161m	0.119	ppbv	
54) 1,2-Dibromoethane	7.648	107	1446m	0.096	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.953	83	2296m	0.106	ppbv	
79) Naphthalene	13.510	128	2732m	0.081	ppbv	

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

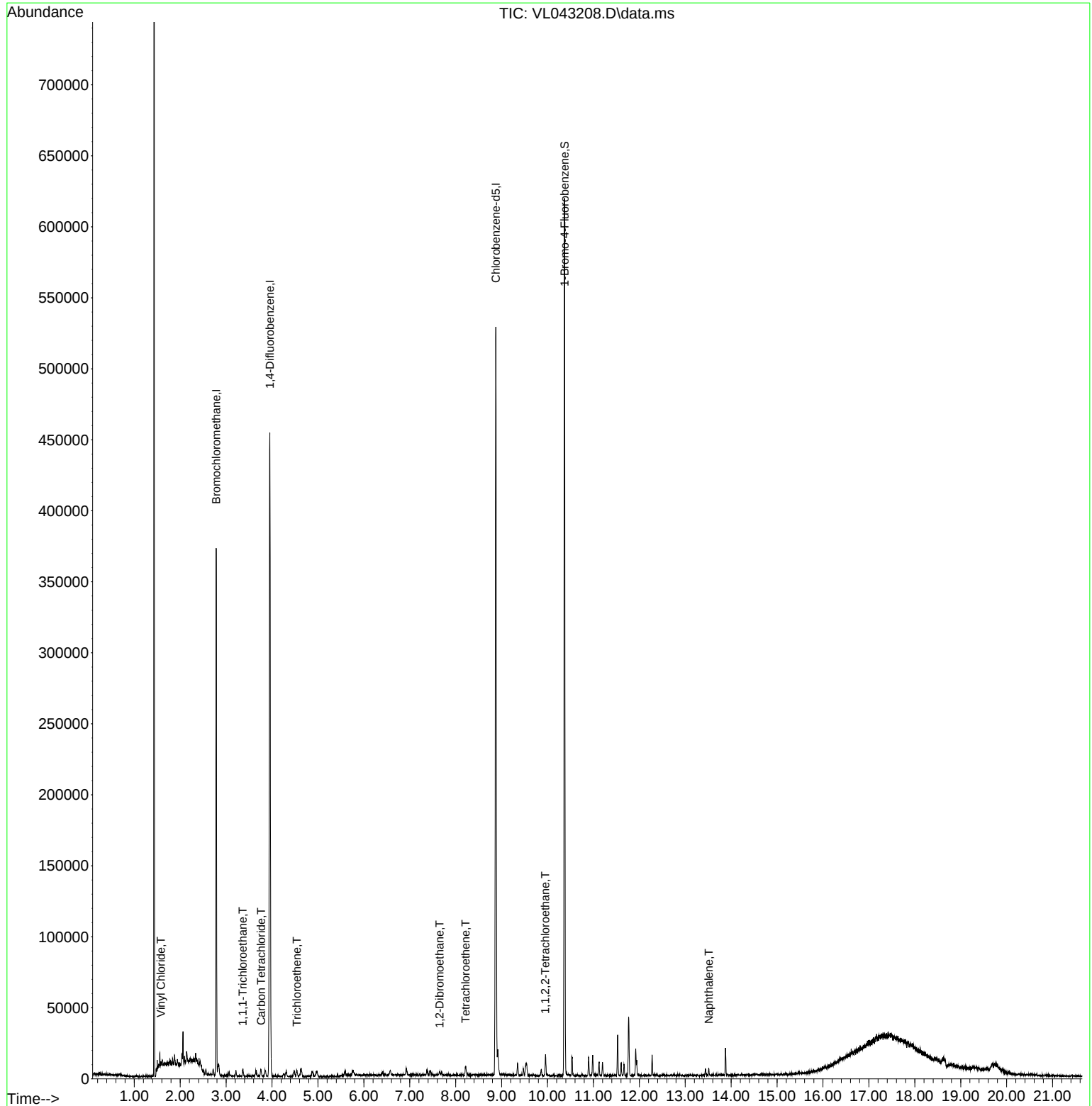
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043208.D
Acq On : 18 Nov 2025 12:16
Operator : SY/MD
Sample : VSTDIC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Quant Time: Nov 19 00:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043209.D
 Acq On : 18 Nov 2025 12:49
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:52:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	98952	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	266012	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	213547	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	152015	9.712	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	215m	0.038	ppbv	
32) 1,1,1-Trichloroethane	3.357	97	628m	0.032	ppbv	
35) Carbon Tetrachloride	3.758	117	664m	0.033	ppbv	
38) Trichloroethene	4.542	130	234m	0.023	ppbv	
52) Tetrachloroethene	8.222	164	290m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.963	83	640m	0.031	ppbv	

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

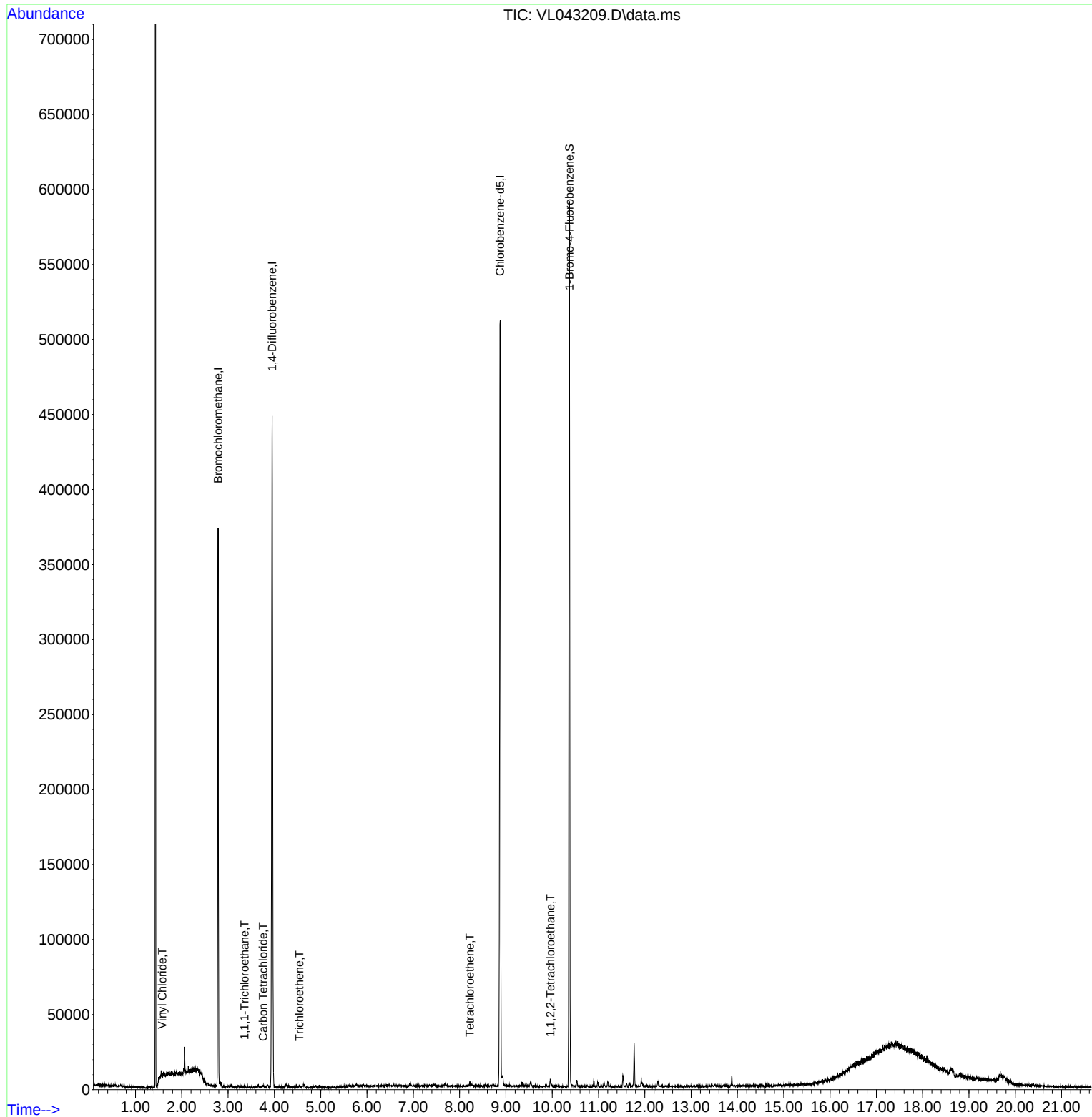
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043209.D
Acq On : 18 Nov 2025 12:49
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Nov 19 00:52:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 11/19/2025
Supervised By : Mahesh Dadoda 11/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043210.D
 Acq On : 18 Nov 2025 13:24
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:53:26 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	98968	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	258461	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	211247	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	159814	10.321	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	197987	14.184	ppbv	99
3) Chlorodifluoromethane	1.476	51	182813	13.317	ppbv	98
4) Chloromethane	1.531	50	72636	13.918	ppbv	97
5) Vinyl Chloride	1.580	62	71671	12.557	ppbv	96
6) Bromomethane	1.667	94	38265	13.830	ppbv	98
7) Chloroethane	1.703	64	29584	13.309	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	165709	14.271	ppbv	97
9) Propene	1.483	41	81393m	12.782	ppbv	
10) Heptane	4.972	43	225935	12.934	ppbv	100
11) Trichlorofluoromethane	1.874	101	200703	14.840	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	152772	14.469	ppbv	98
13) Ethanol	1.719	45	25468	12.425	ppbv	99
14) Bromoethene	1.781	108	55813	13.789	ppbv	96
15) Acetone	1.832	43	161036	11.712	ppbv	99
16) 1,3-Butadiene	1.609	39	81077	13.226	ppbv	99
17) tert-Butyl alcohol	2.036	59	257617	14.274	ppbv	99
18) 1,1-Dichloroethene	2.033	96	65731	13.370	ppbv	96
19) Isopropyl Alcohol	1.881	45	105271	13.549	ppbv	99
20) Methylene Chloride	2.059	84	59798	15.164	ppbv	93
21) Allyl Chloride	2.094	41	126959	13.724	ppbv	96
22) trans-1,2-Dichloroethene	2.337	96	77386	13.772	ppbv	94
23) Vinyl Acetate	2.457	43	232315	13.995	ppbv	99
24) 1,1-Dichloroethane	2.405	63	155017	14.292	ppbv	98
25) Ethyl Acetate	2.829	43	394074	13.265	ppbv	99
26) Hexane	2.823	57	172303	13.252	ppbv	97
27) Carbon Disulfide	2.150	76	191612	14.435	ppbv	97
28) Methyl tert-Butyl Ether	2.434	73	91132	14.279	ppbv	97
29) Chloroform	2.845	83	262803	14.221	ppbv	100
30) Cyclohexane	3.852	84	152015	13.946	ppbv	94
31) cis-1,2-Dichloroethene	2.716	61	180647	13.978	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	276915	13.930	ppbv	98
34) 2-Butanone	2.551	43	253855	13.914	ppbv	100
35) Carbon Tetrachloride	3.755	117	279560	14.250	ppbv	96
36) Benzene	3.651	78	348892	14.096	ppbv	99
37) 1,2-Dichloroethane	3.214	62	214248	14.798	ppbv	98
38) Trichloroethene	4.541	130	137027	14.123	ppbv	93
39) 1,2-Dichloropropane	4.302	63	128700	14.206	ppbv	98
40) 1,4-Dioxane	4.571	88	55905	13.728	ppbv #	95
41) Tetrahydrofuran	3.043	42	139722	13.868	ppbv	99
42) Bromodichloromethane	4.480	83	294008	14.721	ppbv	97
43) Methyl Methacrylate	4.872	69	179110	13.633	ppbv	100
44) 2,2,4-Trimethylpentane	4.632	57	595778	14.014	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	177678	14.508	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043210.D
 Acq On : 18 Nov 2025 13:24
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:53:26 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	205226	14.270	ppbv	100
47) 1,1,2-Trichloroethane	6.571	97	132701	13.738	ppbv	92
48) Dibromochloromethane	7.377	129	240736	14.564	ppbv	99
49) Bromoform	9.477	173	211325	14.434	ppbv	99
50) 4-Methyl-2-Pentanone	5.732	43	354421	13.790	ppbv	99
51) 2-Hexanone	7.422	43	280742	14.067	ppbv #	100
52) Tetrachloroethene	8.218	164	125132	13.591	ppbv	93
53) Toluene	6.924	91	414411	14.050	ppbv	99
54) 1,2-Dibromoethane	7.642	107	203913	14.413	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.917	131	214673	13.827	ppbv	99
57) Chlorobenzene	8.914	112	301986	13.923	ppbv	98
58) Ethyl Benzene	9.348	91	579890	14.262	ppbv	99
59) m/p-Xylene	9.545	91	916113m	28.000	ppbv	
60) o-Xylene	9.956	91	450260	13.826	ppbv	99
61) Styrene	9.862	104	204972	14.382	ppbv	99
62) Isopropylbenzene	10.532	105	803487	13.791	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	280254	13.557	ppbv	99
64) n-propylbenzene	10.986	120	205637	13.737	ppbv	100
65) tert-Butylbenzene	11.526	119	689352	13.249	ppbv	98
66) Benzyl Chloride	11.610	91	71386	13.520	ppbv	100
67) sec-Butylbenzene	11.762	105	972780	13.394	ppbv	100
69) p-Isopropyltoluene	11.921	119	836888	13.602	ppbv	99
70) n-Butylbenzene	12.277	91	838598	14.050	ppbv	99
71) 2-Chlorotoluene	10.895	91	625884	13.976	ppbv	100
72) 4-Ethyltoluene	11.121	105	553654	13.961	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	460783	13.846	ppbv	97
74) 1,2,4-Trimethylbenzene	11.533	105	486995	13.409	ppbv	97
75) 1,3-Dichlorobenzene	11.604	146	292143	13.784	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	294723	13.903	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	273467	13.420	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	211153	12.416	ppbv	99
79) Naphthalene	13.510	128	473229	14.670	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	139019	16.418	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	216260	14.990	ppbv	99

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

Manual Integrations

Quant Time: Nov 19 00:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043211.D
 Acq On : 18 Nov 2025 13:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:34:00 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	97854	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	261914	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	216212	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 159242 10.048 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	133374	9.664	ppbv	98
3) Chlorodifluoromethane	1.476	51	124858	9.199	ppbv	98
4) Chloromethane	1.535	50	46906	9.090	ppbv	95
5) Vinyl Chloride	1.580	62	47932	8.493	ppbv	95
6) Bromomethane	1.667	94	22230	8.126	ppbv	99
7) Chloroethane	1.703	64	19854	9.033	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	110587	9.632	ppbv	97
9) Propene	1.483	41	54006m	9.370	ppbv	
10) Heptane	4.975	43	149202	8.698	ppbv	99
11) Trichlorofluoromethane	1.878	101	134746	10.077	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	100984	9.673	ppbv	99
13) Ethanol	1.719	45	15371	7.584	ppbv	92
14) Bromoethene	1.781	108	36979	9.240	ppbv	98
15) Acetone	1.832	43	104830	7.711	ppbv	99
16) 1,3-Butadiene	1.609	39	54795	9.041	ppbv	96
17) tert-Butyl alcohol	2.036	59	164987	9.245	ppbv	99
18) 1,1-Dichloroethene	2.033	96	43833	9.017	ppbv	99
19) Isopropyl Alcohol	1.884	45	64772	8.431	ppbv	97
20) Methylene Chloride	2.062	84	41254	10.323	ppbv	95
21) Allyl Chloride	2.095	41	75516	8.256	ppbv	97
22) trans-1,2-Dichloroethene	2.341	96	50228	9.041	ppbv	92
23) Vinyl Acetate	2.460	43	140156	8.539	ppbv	98
24) 1,1-Dichloroethane	2.409	63	103187	9.622	ppbv	97
25) Ethyl Acetate	2.829	43	258609	8.820	ppbv	99
26) Hexane	2.826	57	114312	8.892	ppbv	98
27) Carbon Disulfide	2.150	76	125048	9.528	ppbv	97
28) Methyl tert-Butyl Ether	2.438	73	64183	10.171	ppbv	98
29) Chloroform	2.846	83	173977	9.521	ppbv	99
30) Cyclohexane	3.852	84	98598	9.148	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	119843	9.379	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	182262	9.358	ppbv	98
34) 2-Butanone	2.551	43	160977	8.707	ppbv	98
35) Carbon Tetrachloride	3.761	117	182902	9.200	ppbv	98
36) Benzene	3.655	78	233094	9.293	ppbv	99
37) 1,2-Dichloroethane	3.214	62	143363	9.772	ppbv	98
38) Trichloroethene	4.542	130	90993	9.272	ppbv	95
39) 1,2-Dichloropropane	4.305	63	83416	9.086	ppbv	95
40) 1,4-Dioxane	4.571	88	32109	7.780	ppbv #	95
41) Tetrahydrofuran	3.046	42	90769	8.891	ppbv	98
42) Bromodichloromethane	4.486	83	195442	9.657	ppbv	96
43) Methyl Methacrylate	4.872	69	116325	8.737	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	393438	9.133	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	97587	7.863	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043211.D
 Acq On : 18 Nov 2025 13:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:34:00 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	115476	7.924	ppbv	97
47) 1,1,2-Trichloroethane	6.577	97	88525	9.086	ppbv	95
48) Dibromochloromethane	7.380	129	159365	9.514	ppbv	99
49) Bromoform	9.477	173	134790	9.085	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	224791	8.631	ppbv	99
51) 2-Hexanone	7.429	43	166506	8.233	ppbv #	100
52) Tetrachloroethene	8.222	164	82890	8.884	ppbv	98
53) Toluene	6.924	91	273172	9.197	ppbv	99
54) 1,2-Dibromoethane	7.645	107	124804	8.705	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.921	131	142512	8.969	ppbv	98
57) Chlorobenzene	8.917	112	199373	8.981	ppbv	96
58) Ethyl Benzene	9.351	91	381474	9.167	ppbv	97
59) m/p-Xylene	9.549	91	604165m	18.108	ppbv	
60) o-Xylene	9.960	91	295836	8.876	ppbv	99
61) Styrene	9.866	104	127117	8.714	ppbv	97
62) Isopropylbenzene	10.536	105	525717	8.816	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.960	83	178591	8.421	ppbv	100
64) n-propylbenzene	10.986	120	131634	8.591	ppbv	96
65) tert-Butylbenzene	11.529	119	450819	8.465	ppbv	99
66) Benzyl Chloride	11.614	91	27878	5.159	ppbv	99
67) sec-Butylbenzene	11.766	105	623520	8.388	ppbv	100
69) p-Isopropyltoluene	11.924	119	520880	8.272	ppbv	99
70) n-Butylbenzene	12.280	91	513027	8.398	ppbv	99
71) 2-Chlorotoluene	10.898	91	396434	8.649	ppbv	99
72) 4-Ethyltoluene	11.122	105	356325	8.779	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	294977	8.660	ppbv	95
74) 1,2,4-Trimethylbenzene	11.533	105	314606	8.463	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	180491	8.320	ppbv	99
76) 1,4-Dichlorobenzene	11.669	146	179491	8.273	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	166137	7.966	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	125707	7.222	ppbv	100
79) Naphthalene	13.510	128	273029	8.270	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	74802	8.631	ppbv	97
81) 1,2,4-Trichlorobenzene	13.436	180	125470	8.497	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043211.D
 Acq On : 18 Nov 2025 13:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825

Quant Time: Nov 19 01:34:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2 T	Dichlorodifluoromethane	1.410	1.363	3.3	95	0.00
3	Chlorodifluoromethane	1.387	1.276	8.0	90	0.00
4	Chloromethane	0.527	0.479	9.1	90	0.00
5 T	Vinyl Chloride	0.577	0.490	15.1	94	0.00
6 T	Bromomethane	0.280	0.227	18.9	84	0.00
7	Chloroethane	0.225	0.203	9.8	97	0.00
8 T	Dichlorotetrafluoroethane	1.173	1.130	3.7	96	0.00
9 T	Propene	0.589	0.552	6.3	103	0.00
10 T	Heptane	1.753	1.525	13.0	88	0.00
11 T	Trichlorofluoromethane	1.367	1.377	-0.7	103	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.067	1.032	3.3	97	0.00
13	Ethanol	0.207	0.157	24.2	88	0.00
14 T	Bromoethene	0.409	0.378	7.6	97	0.00
15 T	Acetone	1.389	1.071	22.9	97	0.00
16 T	1,3-Butadiene	0.619	0.560	9.5	95	0.00
17	tert-Butyl alcohol	1.824	1.686	7.6	92	0.00
18 T	1,1-Dichloroethene	0.497	0.448	9.9	95	0.00
19 T	Isopropyl Alcohol	0.785	0.662	15.7	90	0.00
20 T	Methylene Chloride	0.600	0.422	29.7	99	0.00
21 T	Allyl Chloride	0.935	0.772	17.4	85	0.00
22 T	trans-1,2-Dichloroethene	0.568	0.513	9.7	96	0.00
23 T	Vinyl Acetate	1.677	1.432	14.6	82	0.00
24 T	1,1-Dichloroethane	1.096	1.054	3.8	96	0.00
25 T	Ethyl Acetate	2.996	2.643	11.8	89	0.00
26 T	Hexane	1.314	1.168	11.1	88	0.00
27 T	Carbon Disulfide	1.341	1.278	4.7	95	0.00
28 T	Methyl tert-Butyl Ether	0.645	0.656	-1.7	103	0.00
29 T	Chloroform	1.867	1.778	4.8	93	0.00
30 T	Cyclohexane	1.101	1.008	8.4	92	0.00
31 T	cis-1,2-Dichloroethene	1.306	1.225	6.2	92	0.00
32 T	1,1,1-Trichloroethane	1.990	1.863	6.4	92	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
34 T	2-Butanone	0.706	0.615	12.9	88	0.00
35 T	Carbon Tetrachloride	0.759	0.698	8.0	91	0.00
36 T	Benzene	0.958	0.890	7.1	91	0.00
37 T	1,2-Dichloroethane	0.560	0.547	2.3	95	0.00
38 T	Trichloroethene	0.375	0.347	7.5	91	0.00
39 T	1,2-Dichloropropane	0.351	0.318	9.4	88	0.00
40 T	1,4-Dioxane	0.158	0.123	22.2	79	0.00
41 T	Tetrahydrofuran	0.390	0.347	11.0	87	0.00
42 T	Bromodichloromethane	0.773	0.746	3.5	92	0.00
43	Methyl Methacrylate	0.508	0.444	12.6	89	0.00
44 T	2,2,4-Trimethylpentane	1.645	1.502	8.7	89	0.00
45 T	t-1,3-Dichloropropene	0.474	0.373	21.3	76	0.00
46 T	cis-1,3-Dichloropropene	0.556	0.441	20.7	76	0.00
47 T	1,1,2-Trichloroethane	0.372	0.338	9.1	91	0.01
48 T	Dibromochloromethane	0.640	0.608	5.0	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043211.D
 Acq On : 18 Nov 2025 13:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825

Quant Time: Nov 19 01:34:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.566	0.515	9.0	86	0.00
50 T	4-Methyl-2-Pentanone	0.994	0.858	13.7	84	0.00
51 T	2-Hexanone	0.772	0.636	17.6	80	0.00
52 T	Tetrachloroethene	0.356	0.316	11.2	89	0.00
53 T	Toluene	1.134	1.043	8.0	90	0.00
54 T	1,2-Dibromoethane	0.547	0.477	12.8	84	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
56	1,1,1,2-Tetrachloroethane	0.735	0.659	10.3	90	0.00
57 T	Chlorobenzene	1.027	0.922	10.2	88	0.00
58 T	Ethyl Benzene	1.925	1.764	8.4	89	0.00
59 T	m/p-Xylene	1.543	1.397	9.5	90	0.00
60 T	o-Xylene	1.542	1.368	11.3	89	0.00
61 T	Styrene	0.675	0.588	12.9	84	0.00
62	Isopropylbenzene	2.758	2.431	11.9	88	0.00
63 T	1,1,2,2-Tetrachloroethane	0.981	0.826	15.8	85	0.00
64	n-propylbenzene	0.709	0.609	14.1	85	0.00
65	tert-Butylbenzene	2.463	2.085	15.3	86	0.00
66 T	Benzyl Chloride	0.250	0.129	48.4#	49	0.00
67	sec-Butylbenzene	3.438	2.884	16.1	85	0.00
68 S	1-Bromo-4-Fluorobenzene	0.733	0.737	-0.5	92	0.00
69	p-Isopropyltoluene	2.912	2.409	17.3	83	0.00
70	n-Butylbenzene	2.825	2.373	16.0	83	0.00
71	2-Chlorotoluene	2.120	1.834	13.5	86	0.00
72 T	4-Ethyltoluene	1.877	1.648	12.2	87	0.00
73 T	1,3,5-Trimethylbenzene	1.575	1.364	13.4	86	0.00
74 T	1,2,4-Trimethylbenzene	1.719	1.455	15.4	87	0.00
75 T	1,3-Dichlorobenzene	1.003	0.835	16.7	82	0.00
76 T	1,4-Dichlorobenzene	1.003	0.830	17.2	81	0.00
77 T	1,2-Dichlorobenzene	0.965	0.768	20.4	81	0.00
78 T	Hexachloro-1,3-Butadiene	0.805	0.581	27.8	78	0.00
79 T	Naphthalene	1.527	1.263	17.3	78	0.00
80 T	Naphthalene,2-methyl-	0.401	0.346	13.7	80	0.00
81 T	1,2,4-Trichlorobenzene	0.683	0.580	15.1	79	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043211.D
 Acq On : 18 Nov 2025 13:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825

Quant Time: Nov 19 01:34:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	10.000	10.000	0.0	93	0.00
2 T	Dichlorodifluoromethane	10.000	9.664	3.4	95	0.00
3	Chlorodifluoromethane	10.000	9.199	8.0	90	0.00
4	Chloromethane	10.000	9.090	9.1	90	0.00
5 T	Vinyl Chloride	10.000	8.493	15.1	94	0.00
6 T	Bromomethane	10.000	8.126	18.7	84	0.00
7	Chloroethane	10.000	9.033	9.7	97	0.00
8 T	Dichlorotetrafluoroethane	10.000	9.632	3.7	96	0.00
9 T	Propene	10.000	9.370	6.3	103	0.00
10 T	Heptane	10.000	8.698	13.0	88	0.00
11 T	Trichlorofluoromethane	10.000	10.077	-0.8	103	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	9.673	3.3	97	0.00
13	Ethanol	10.000	7.584	24.2	88	0.00
14 T	Bromoethene	10.000	9.240	7.6	97	0.00
15 T	Acetone	10.000	7.711	22.9	97	0.00
16 T	1,3-Butadiene	10.000	9.041	9.6	95	0.00
17	tert-Butyl alcohol	10.000	9.245	7.6	92	0.00
18 T	1,1-Dichloroethene	10.000	9.017	9.8	95	0.00
19 T	Isopropyl Alcohol	10.000	8.431	15.7	90	0.00
20 T	Methylene Chloride	10.000	10.323	-3.2	99	0.00
21 T	Allyl Chloride	10.000	8.256	17.4	85	0.00
22 T	trans-1,2-Dichloroethene	10.000	9.041	9.6	96	0.00
23 T	Vinyl Acetate	10.000	8.539	14.6	82	0.00
24 T	1,1-Dichloroethane	10.000	9.622	3.8	96	0.00
25 T	Ethyl Acetate	10.000	8.820	11.8	89	0.00
26 T	Hexane	10.000	8.892	11.1	88	0.00
27 T	Carbon Disulfide	10.000	9.528	4.7	95	0.00
28 T	Methyl tert-Butyl Ether	10.000	10.171	-1.7	103	0.00
29 T	Chloroform	10.000	9.521	4.8	93	0.00
30 T	Cyclohexane	10.000	9.148	8.5	92	0.00
31 T	cis-1,2-Dichloroethene	10.000	9.379	6.2	92	0.00
32 T	1,1,1-Trichloroethane	10.000	9.358	6.4	92	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	92	0.00
34 T	2-Butanone	10.000	8.707	12.9	88	0.00
35 T	Carbon Tetrachloride	10.000	9.200	8.0	91	0.00
36 T	Benzene	10.000	9.293	7.1	91	0.00
37 T	1,2-Dichloroethane	10.000	9.772	2.3	95	0.00
38 T	Trichloroethene	10.000	9.272	7.3	91	0.00
39 T	1,2-Dichloropropane	10.000	9.086	9.1	88	0.00
40 T	1,4-Dioxane	10.000	7.780	22.2	79	0.00
41 T	Tetrahydrofuran	10.000	8.891	11.1	87	0.00
42 T	Bromodichloromethane	10.000	9.657	3.4	92	0.00
43	Methyl Methacrylate	10.000	8.737	12.6	89	0.00
44 T	2,2,4-Trimethylpentane	10.000	9.133	8.7	89	0.00
45 T	t-1,3-Dichloropropene	10.000	7.863	21.4	76	0.00
46 T	cis-1,3-Dichloropropene	10.000	7.924	20.8	76	0.00
47 T	1,1,2-Trichloroethane	10.000	9.086	9.1	91	0.01
48 T	Dibromochloromethane	10.000	9.514	4.9	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043211.D
 Acq On : 18 Nov 2025 13:56
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111825

Quant Time: Nov 19 01:34:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	Bromoform	10.000	9.085	9.1	86	0.00
50 T	4-Methyl-2-Pentanone	10.000	8.631	13.7	84	0.00
51 T	2-Hexanone	10.000	8.233	17.7	80	0.00
52 T	Tetrachloroethene	10.000	8.884	11.2	89	0.00
53 T	Toluene	10.000	9.197	8.0	90	0.00
54 T	1,2-Dibromoethane	10.000	8.705	13.0	84	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	92	0.00
56	1,1,1,2-Tetrachloroethane	10.000	8.969	10.3	90	0.00
57 T	Chlorobenzene	10.000	8.981	10.2	88	0.00
58 T	Ethyl Benzene	10.000	9.167	8.3	89	0.00
59 T	m/p-Xylene	20.000	18.108	9.5	90	0.00
60 T	o-Xylene	10.000	8.876	11.2	89	0.00
61 T	Styrene	10.000	8.714	12.9	84	0.00
62	Isopropylbenzene	10.000	8.816	11.8	88	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	8.421	15.8	85	0.00
64	n-propylbenzene	10.000	8.591	14.1	85	0.00
65	tert-Butylbenzene	10.000	8.465	15.4	86	0.00
66 T	Benzyl Chloride	10.000	5.159	48.4#	49	0.00
67	sec-Butylbenzene	10.000	8.388	16.1	85	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	10.048	-0.5	92	0.00
69	p-Isopropyltoluene	10.000	8.272	17.3	83	0.00
70	n-Butylbenzene	10.000	8.398	16.0	83	0.00
71	2-Chlorotoluene	10.000	8.649	13.5	86	0.00
72 T	4-Ethyltoluene	10.000	8.779	12.2	87	0.00
73 T	1,3,5-Trimethylbenzene	10.000	8.660	13.4	86	0.00
74 T	1,2,4-Trimethylbenzene	10.000	8.463	15.4	87	0.00
75 T	1,3-Dichlorobenzene	10.000	8.320	16.8	82	0.00
76 T	1,4-Dichlorobenzene	10.000	8.273	17.3	81	0.00
77 T	1,2-Dichlorobenzene	10.000	7.966	20.3	81	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	7.222	27.8	78	0.00
79 T	Naphthalene	10.000	8.270	17.3	78	0.00
80 T	Naphthalene,2-methyl-	10.000	8.631	13.7	80	0.00
81 T	1,2,4-Trichlorobenzene	10.000	8.497	15.0	79	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GFEL01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3696</u>
Instrument ID:	<u>MSVOA_L</u>	Calibration Date/Time:	<u>11/24/2025 12:27</u>
Lab File ID:	<u>VL043278.D</u>	Init. Calib. Date(s):	<u>11/18/2025 11/18/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:29 13:24</u>
GC Column:	<u>RTX-1</u>	ID:	<u>0.32</u> (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Vinyl Chloride	0.577	0.536		-7.11	30
Heptane	1.753	1.593		-9.13	30
1,1-Dichloroethane	1.096	1.177		7.39	30
Cyclohexane	1.101	1.079		-2	30
cis-1,2-Dichloroethene	1.306	1.344		2.91	30
1,1,1-Trichloroethane	1.990	2.235		12.31	30
2,2,4-Trimethylpentane	1.645	1.686		2.49	30
Benzene	0.958	1.018		6.26	30
Trichloroethene	0.375	0.406		8.27	30
Bromodichloromethane	0.773	0.896		15.91	30
Toluene	1.134	1.132		-0.18	30
Tetrachloroethene	0.356	0.373		4.78	30
m/p-Xylene	1.543	1.711		10.89	30
o-Xylene	1.542	1.735		12.52	30
1,3,5-Trimethylbenzene	1.575	1.732		9.97	30
1,2,4-Trimethylbenzene	1.719	1.905		10.82	30
Naphthalene	1.527	1.581		3.54	30
1-Bromo-4-Fluorobenzene	0.733	0.760		3.68	30
Hexane	1.314	1.279		-2.66	30

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043278.D
 Acq On : 24 Nov 2025 12:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/25/2025
 Supervised By : Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:38:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	107061	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	275969	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	215083	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 163444 10.367 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	165790	10.979	ppbv	100
3) Chlorodifluoromethane	1.476	51	154655	10.414	ppbv	96
4) Chloromethane	1.531	50	57140	10.121	ppbv	92
5) Vinyl Chloride	1.580	62	57379	9.293	ppbv	94
6) Bromomethane	1.667	94	28470	9.512	ppbv	95
7) Chloroethane	1.703	64	23590	9.810	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	137737	10.965	ppbv	99
9) Propene	1.482	41	60577m	9.606	ppbv	
10) Heptane	4.968	43	170551	9.087	ppbv	99
11) Trichlorofluoromethane	1.877	101	175925	12.025	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.136	101	130475	11.423	ppbv	96
13) Ethanol	1.719	45	17888	8.067	ppbv	95
14) Bromoethene	1.780	108	47510	10.850	ppbv	96
15) Acetone	1.832	43	125343	8.427	ppbv	99
16) 1,3-Butadiene	1.609	39	64565	9.736	ppbv	96
17) tert-Butyl alcohol	2.036	59	188025	9.630	ppbv	100
18) 1,1-Dichloroethene	2.033	96	57383	10.790	ppbv	98
19) Isopropyl Alcohol	1.884	45	75837	9.023	ppbv	93
20) Methylene Chloride	2.059	84	52345	12.108	ppbv	91
21) Allyl Chloride	2.094	41	88510	8.844	ppbv	94
22) trans-1,2-Dichloroethene	2.337	96	64226	10.566	ppbv	99
23) Vinyl Acetate	2.460	43	162160	9.030	ppbv #	99
24) 1,1-Dichloroethane	2.405	63	126001	10.739	ppbv	98
25) Ethyl Acetate	2.829	43	302952	9.443	ppbv	99
26) Hexane	2.822	57	136961	9.738	ppbv	98
27) Carbon Disulfide	2.149	76	160712	11.192	ppbv	99
28) Methyl tert-Butyl Ether	2.434	73	69559	10.075	ppbv	94
29) Chloroform	2.845	83	232873	11.649	ppbv	100
30) Cyclohexane	3.852	84	115484	9.793	ppbv	95
31) cis-1,2-Dichloroethene	2.716	61	143927	10.295	ppbv	98
32) 1,1,1-Trichloroethane	3.360	97	239307	11.230	ppbv	99
34) 2-Butanone	2.551	43	193336	9.925	ppbv	99
35) Carbon Tetrachloride	3.758	117	251772	12.019	ppbv	98
36) Benzene	3.651	78	281056	10.634	ppbv	98
37) 1,2-Dichloroethane	3.211	62	179931	11.639	ppbv	98
38) Trichloroethene	4.538	130	112004	10.832	ppbv	95
39) 1,2-Dichloropropane	4.305	63	100819	10.423	ppbv	89
40) 1,4-Dioxane	4.570	88	37926	8.722	ppbv #	97
41) Tetrahydrofuran	3.046	42	100803	9.370	ppbv	97
42) Bromodichloromethane	4.480	83	247223	11.593	ppbv	98
43) Methyl Methacrylate	4.868	69	133803	9.538	ppbv	94
44) 2,2,4-Trimethylpentane	4.632	57	465164	10.248	ppbv	98
45) t-1,3-Dichloropropene	6.405	75	104473	7.989	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043278.D
 Acq On : 24 Nov 2025 12:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:38:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	128727	8.383	ppbv	93
47) 1,1,2-Trichloroethane	6.567	97	112927	11.001	ppbv	97
48) Dibromochloromethane	7.376	129	204344	11.578	ppbv	100
49) Bromoform	9.474	173	180678	11.557	ppbv	99
50) 4-Methyl-2-Pentanone	5.729	43	252700	9.209	ppbv	100
51) 2-Hexanone	7.422	43	183438	8.608	ppbv #	99
52) Tetrachloroethene	8.218	164	102830	10.460	ppbv	91
53) Toluene	6.923	91	312291	9.979	ppbv	99
54) 1,2-Dibromoethane	7.642	107	152418	10.090	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.917	131	189737	12.003	ppbv	99
57) Chlorobenzene	8.914	112	249546	11.300	ppbv	97
58) Ethyl Benzene	9.348	91	448888	10.843	ppbv	97
59) m/p-Xylene	9.545	91	735995m	22.175	ppbv	
60) o-Xylene	9.956	91	373234	11.257	ppbv	100
61) Styrene	9.862	104	142379	9.812	ppbv	99
62) Isopropylbenzene	10.532	105	663175	11.180	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	229515	10.879	ppbv	100
64) n-propylbenzene	10.982	120	162848	10.684	ppbv	93
65) tert-Butylbenzene	11.526	119	575690	10.867	ppbv	99
66) Benzyl Chloride	11.610	91	27757	5.163	ppbv	98
67) sec-Butylbenzene	11.762	105	808129	10.929	ppbv	99
69) p-Isopropyltoluene	11.921	119	665442	10.623	ppbv	99
70) n-Butylbenzene	12.277	91	647136	10.649	ppbv	100
71) 2-Chlorotoluene	10.895	91	495463	10.867	ppbv	99
72) 4-Ethyltoluene	11.118	105	442267	10.953	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	372473	10.992	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	409684	11.079	ppbv	90
75) 1,3-Dichlorobenzene	11.600	146	242050	11.217	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	239021	11.074	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	231049	11.136	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	181252	10.468	ppbv	99
79) Naphthalene	13.507	128	339967	10.351	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	85751	9.947	ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	170083	11.579	ppbv	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043278.D
 Acq On : 24 Nov 2025 12:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Nov 24 23:38:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	102	0.00
2 T	Dichlorodifluoromethane	1.410	1.549	-9.9	118	0.00
3	Chlorodifluoromethane	1.387	1.445	-4.2	112	0.00
4	Chloromethane	0.527	0.534	-1.3	109	0.00
5 T	Vinyl Chloride	0.577	0.536	7.1	112	0.00
6 T	Bromomethane	0.280	0.266	5.0	107	0.00
7	Chloroethane	0.225	0.220	2.2	116	0.00
8 T	Dichlorotetrafluoroethane	1.173	1.287	-9.7	120	0.00
9 T	Propene	0.589	0.566	3.9	115	0.00
10 T	Heptane	1.753	1.593	9.1	101	0.00
11 T	Trichlorofluoromethane	1.367	1.643	-20.2	135	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.067	1.219	-14.2	126	0.00
13	Ethanol	0.207	0.167	19.3	102	0.00
14 T	Bromoethene	0.409	0.444	-8.6	125	0.00
15 T	Acetone	1.389	1.171	15.7	116	0.00
16 T	1,3-Butadiene	0.619	0.603	2.6	112	0.00
17	tert-Butyl alcohol	1.824	1.756	3.7	105	0.00
18 T	1,1-Dichloroethene	0.497	0.536	-7.8	124	0.00
19 T	Isopropyl Alcohol	0.785	0.708	9.8	106	0.00
20 T	Methylene Chloride	0.600	0.489	18.5	125	0.00
21 T	Allyl Chloride	0.935	0.827	11.6	99	0.00
22 T	trans-1,2-Dichloroethene	0.568	0.600	-5.6	122	0.00
23 T	Vinyl Acetate	1.677	1.515	9.7	95	0.00
24 T	1,1-Dichloroethane	1.096	1.177	-7.4	118	0.00
25 T	Ethyl Acetate	2.996	2.830	5.5	104	0.00
26 T	Hexane	1.314	1.279	2.7	106	0.00
27 T	Carbon Disulfide	1.341	1.501	-11.9	122	0.00
28 T	Methyl tert-Butyl Ether	0.645	0.650	-0.8	112	0.00
29 T	Chloroform	1.867	2.175	-16.5	124	0.00
30 T	Cyclohexane	1.101	1.079	2.0	107	0.00
31 T	cis-1,2-Dichloroethene	1.306	1.344	-2.9	110	0.00
32 T	1,1,1-Trichloroethane	1.990	2.235	-12.3	121	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
34 T	2-Butanone	0.706	0.701	0.7	106	0.00
35 T	Carbon Tetrachloride	0.759	0.912	-20.2	125	0.00
36 T	Benzene	0.958	1.018	-6.3	109	0.00
37 T	1,2-Dichloroethane	0.560	0.652	-16.4	119	0.00
38 T	Trichloroethene	0.375	0.406	-8.3	112	0.00
39 T	1,2-Dichloropropane	0.351	0.365	-4.0	106	0.00
40 T	1,4-Dioxane	0.158	0.137	13.3	94	0.00
41 T	Tetrahydrofuran	0.390	0.365	6.4	97	0.00
42 T	Bromodichloromethane	0.773	0.896	-15.9	117	0.00
43	Methyl Methacrylate	0.508	0.485	4.5	102	0.00
44 T	2,2,4-Trimethylpentane	1.645	1.686	-2.5	105	0.00
45 T	t-1,3-Dichloropropene	0.474	0.379	20.0	81	0.00
46 T	cis-1,3-Dichloropropene	0.556	0.466	16.2	85	0.00
47 T	1,1,2-Trichloroethane	0.372	0.409	-9.9	116	0.00
48 T	Dibromochloromethane	0.640	0.740	-15.6	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043278.D
 Acq On : 24 Nov 2025 12:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Nov 24 23:38:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.566	0.655	-15.7	115	0.00
50 T	4-Methyl-2-Pentanone	0.994	0.916	7.8	94	0.00
51 T	2-Hexanone	0.772	0.665	13.9	88	0.00
52 T	Tetrachloroethene	0.356	0.373	-4.8	110	0.00
53 T	Toluene	1.134	1.132	0.2	102	0.00
54 T	1,2-Dibromoethane	0.547	0.552	-0.9	102	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
56	1,1,1,2-Tetrachloroethane	0.735	0.882	-20.0	119	0.00
57 T	Chlorobenzene	1.027	1.160	-13.0	110	0.00
58 T	Ethyl Benzene	1.925	2.087	-8.4	105	0.00
59 T	m/p-Xylene	1.543	1.711	-10.9	109	0.00
60 T	o-Xylene	1.542	1.735	-12.5	112	0.00
61 T	Styrene	0.675	0.662	1.9	94	0.00
62	Isopropylbenzene	2.758	3.083	-11.8	111	0.00
63 T	1,1,2,2-Tetrachloroethane	0.981	1.067	-8.8	110	0.00
64	n-propylbenzene	0.709	0.757	-6.8	106	0.00
65	tert-Butylbenzene	2.463	2.677	-8.7	110	0.00
66 T	Benzyl Chloride	0.250	0.129	48.4#	49	0.00
67	sec-Butylbenzene	3.438	3.757	-9.3	111	0.00
68 S	1-Bromo-4-Fluorobenzene	0.733	0.760	-3.7	95	0.00
69	p-Isopropyltoluene	2.912	3.094	-6.2	107	0.00
70	n-Butylbenzene	2.825	3.009	-6.5	104	0.00
71	2-Chlorotoluene	2.120	2.304	-8.7	108	0.00
72 T	4-Ethyltoluene	1.877	2.056	-9.5	108	0.00
73 T	1,3,5-Trimethylbenzene	1.575	1.732	-10.0	109	0.00
74 T	1,2,4-Trimethylbenzene	1.719	1.905	-10.8	113	0.00
75 T	1,3-Dichlorobenzene	1.003	1.125	-12.2	110	0.00
76 T	1,4-Dichlorobenzene	1.003	1.111	-10.8	108	0.00
77 T	1,2-Dichlorobenzene	0.965	1.074	-11.3	113	0.00
78 T	Hexachloro-1,3-Butadiene	0.805	0.843	-4.7	113	0.00
79 T	Naphthalene	1.527	1.581	-3.5	97	0.00
80 T	Naphthalene,2-methyl-	0.401	0.399	0.5	92	0.00
81 T	1,2,4-Trichlorobenzene	0.683	0.791	-15.8	107	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043278.D
 Acq On : 24 Nov 2025 12:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Nov 24 23:38:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	10.000	10.000	0.0	102	0.00
2 T	Dichlorodifluoromethane	10.000	10.979	-9.8	118	0.00
3	Chlorodifluoromethane	10.000	10.414	-4.1	112	0.00
4	Chloromethane	10.000	10.121	-1.2	109	0.00
5 T	Vinyl Chloride	10.000	9.293	7.1	112	0.00
6 T	Bromomethane	10.000	9.512	4.9	107	0.00
7	Chloroethane	10.000	9.810	1.9	116	0.00
8 T	Dichlorotetrafluoroethane	10.000	10.965	-9.6	120	0.00
9 T	Propene	10.000	9.606	3.9	115	0.00
10 T	Heptane	10.000	9.087	9.1	101	0.00
11 T	Trichlorofluoromethane	10.000	12.025	-20.3	135	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	11.423	-14.2	126	0.00
13	Ethanol	10.000	8.067	19.3	102	0.00
14 T	Bromoethene	10.000	10.850	-8.5	125	0.00
15 T	Acetone	10.000	8.427	15.7	116	0.00
16 T	1,3-Butadiene	10.000	9.736	2.6	112	0.00
17	tert-Butyl alcohol	10.000	9.630	3.7	105	0.00
18 T	1,1-Dichloroethene	10.000	10.790	-7.9	124	0.00
19 T	Isopropyl Alcohol	10.000	9.023	9.8	106	0.00
20 T	Methylene Chloride	10.000	12.108	-21.1	125	0.00
21 T	Allyl Chloride	10.000	8.844	11.6	99	0.00
22 T	trans-1,2-Dichloroethene	10.000	10.566	-5.7	122	0.00
23 T	Vinyl Acetate	10.000	9.030	9.7	95	0.00
24 T	1,1-Dichloroethane	10.000	10.739	-7.4	118	0.00
25 T	Ethyl Acetate	10.000	9.443	5.6	104	0.00
26 T	Hexane	10.000	9.738	2.6	106	0.00
27 T	Carbon Disulfide	10.000	11.192	-11.9	122	0.00
28 T	Methyl tert-Butyl Ether	10.000	10.075	-0.7	112	0.00
29 T	Chloroform	10.000	11.649	-16.5	124	0.00
30 T	Cyclohexane	10.000	9.793	2.1	107	0.00
31 T	cis-1,2-Dichloroethene	10.000	10.295	-2.9	110	0.00
32 T	1,1,1-Trichloroethane	10.000	11.230	-12.3	121	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	97	0.00
34 T	2-Butanone	10.000	9.925	0.7	106	0.00
35 T	Carbon Tetrachloride	10.000	12.019	-20.2	125	0.00
36 T	Benzene	10.000	10.634	-6.3	109	0.00
37 T	1,2-Dichloroethane	10.000	11.639	-16.4	119	0.00
38 T	Trichloroethene	10.000	10.832	-8.3	112	0.00
39 T	1,2-Dichloropropane	10.000	10.423	-4.2	106	0.00
40 T	1,4-Dioxane	10.000	8.722	12.8	94	0.00
41 T	Tetrahydrofuran	10.000	9.370	6.3	97	0.00
42 T	Bromodichloromethane	10.000	11.593	-15.9	117	0.00
43	Methyl Methacrylate	10.000	9.538	4.6	102	0.00
44 T	2,2,4-Trimethylpentane	10.000	10.248	-2.5	105	0.00
45 T	t-1,3-Dichloropropene	10.000	7.989	20.1	81	0.00
46 T	cis-1,3-Dichloropropene	10.000	8.383	16.2	85	0.00
47 T	1,1,2-Trichloroethane	10.000	11.001	-10.0	116	0.00
48 T	Dibromochloromethane	10.000	11.578	-15.8	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043278.D
 Acq On : 24 Nov 2025 12:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Nov 24 23:38:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)

49 T	Bromoform	10.000	11.557	-15.6	115	0.00
50 T	4-Methyl-2-Pentanone	10.000	9.209	7.9	94	0.00
51 T	2-Hexanone	10.000	8.608	13.9	88	0.00
52 T	Tetrachloroethene	10.000	10.460	-4.6	110	0.00
53 T	Toluene	10.000	9.979	0.2	102	0.00
54 T	1,2-Dibromoethane	10.000	10.090	-0.9	102	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	92	0.00
56	1,1,1,2-Tetrachloroethane	10.000	12.003	-20.0	119	0.00
57 T	Chlorobenzene	10.000	11.300	-13.0	110	0.00
58 T	Ethyl Benzene	10.000	10.843	-8.4	105	0.00
59 T	m/p-Xylene	20.000	22.175	-10.9	109	0.00
60 T	o-Xylene	10.000	11.257	-12.6	112	0.00
61 T	Styrene	10.000	9.812	1.9	94	0.00
62	Isopropylbenzene	10.000	11.180	-11.8	111	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	10.879	-8.8	110	0.00
64	n-propylbenzene	10.000	10.684	-6.8	106	0.00
65	tert-Butylbenzene	10.000	10.867	-8.7	110	0.00
66 T	Benzyl Chloride	10.000	5.163	48.4#	49	0.00
67	sec-Butylbenzene	10.000	10.929	-9.3	111	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	10.367	-3.7	95	0.00
69	p-Isopropyltoluene	10.000	10.623	-6.2	107	0.00
70	n-Butylbenzene	10.000	10.649	-6.5	104	0.00
71	2-Chlorotoluene	10.000	10.867	-8.7	108	0.00
72 T	4-Ethyltoluene	10.000	10.953	-9.5	108	0.00
73 T	1,3,5-Trimethylbenzene	10.000	10.992	-9.9	109	0.00
74 T	1,2,4-Trimethylbenzene	10.000	11.079	-10.8	113	0.00
75 T	1,3-Dichlorobenzene	10.000	11.217	-12.2	110	0.00
76 T	1,4-Dichlorobenzene	10.000	11.074	-10.7	108	0.00
77 T	1,2-Dichlorobenzene	10.000	11.136	-11.4	113	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	10.468	-4.7	113	0.00
79 T	Naphthalene	10.000	10.351	-3.5	97	0.00
80 T	Naphthalene,2-methyl-	10.000	9.947	0.5	92	0.00
81 T	1,2,4-Trichlorobenzene	10.000	11.579	-15.8	107	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



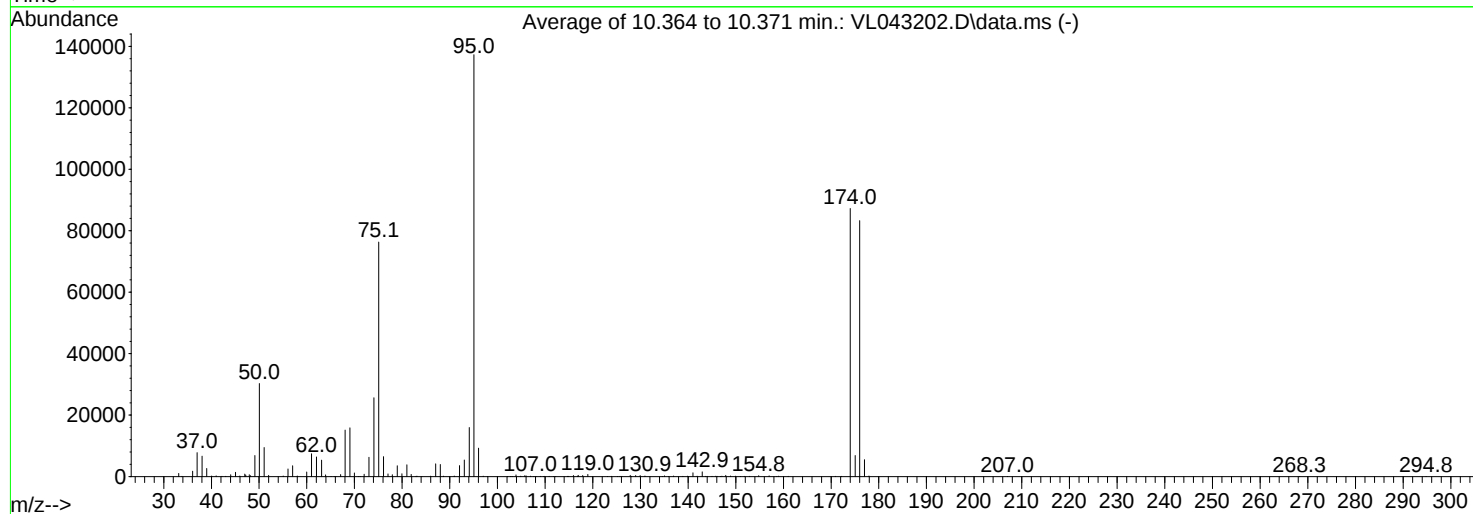
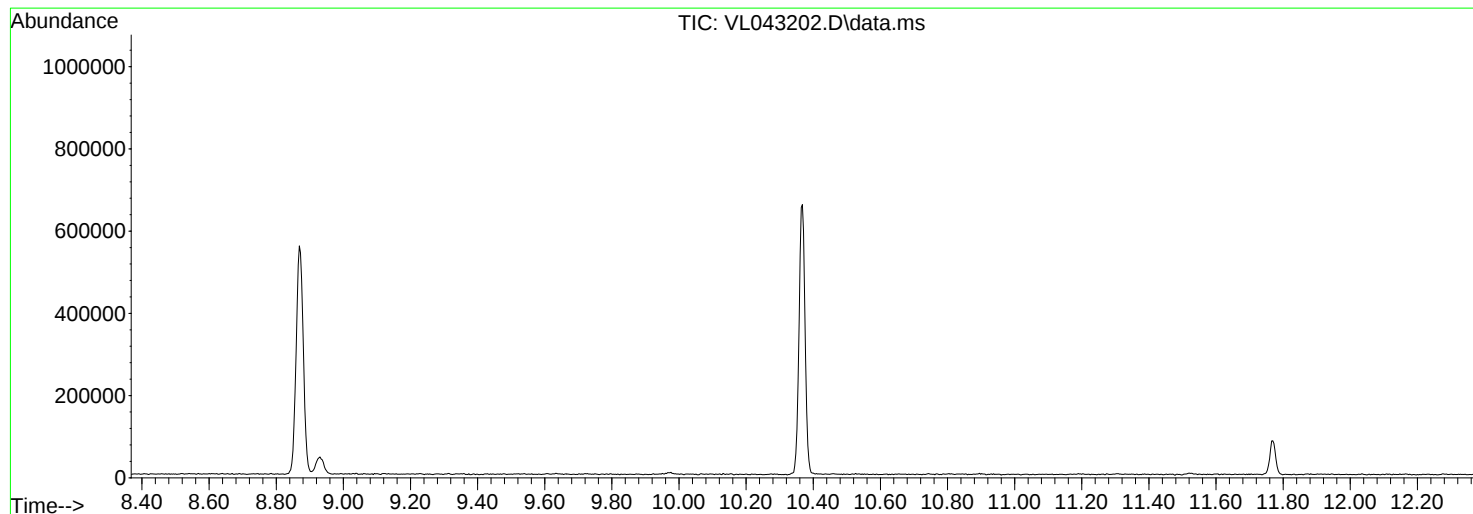
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043202.D
Acq On : 18 Nov 2025 08:46
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Wed Nov 19 01:11:25 2025



AutoFind: Scans 3175, 3176, 3177; Background Corrected with Scan 3156

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.1	30285	PASS
75	95	30	66	55.6	76296	PASS
95	95	100	100	100.0	137266	PASS
96	95	5	9	6.7	9227	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	63.6	87269	PASS
175	174	4	9	7.8	6847	PASS
176	174	93	101	95.5	83301	PASS
177	176	5	9	6.6	5509	PASS

Average of 10.364 to 10.371 min.: VL043202.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.15	1017	45.05	1373	56.05	2485	67.10	650
33.80	90	45.95	190	57.05	3511	68.05	1515
36.05	1728	47.00	799	58.00	209	69.05	1587
37.00	7775	47.20	474	60.00	1493	70.00	1182
38.05	6647	47.95	600	61.00	7430	70.90	18
39.00	2637	48.20	316	62.05	6404	71.20	48
40.05	176	49.10	6876	63.10	5348	72.05	772
41.00	228	50.05	30285	63.95	548	73.05	6279
42.20	99	51.05	9432	65.10	18	74.10	25637
43.00	63	52.00	422	65.75	54	75.10	76296
44.05	598	55.05	162	66.10	23	76.10	6470

Average of 10.364 to 10.371 min.: VL043202.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.05	853	88.00	3931	102.80	24	109.85	96
77.95	601	88.70	128	103.10	20	110.85	101
79.00	3536	90.95	202	103.90	564	111.80	44
79.95	911	92.05	3581	104.90	156	112.20	28
81.00	3819	93.05	5411	105.75	294	114.70	70
81.90	690	94.10	15989	106.00	240	114.95	67
82.90	77	95.05	137266	106.95	132	115.95	360
83.10	136	96.05	9227	107.65	48	116.80	153
84.15	40	97.00	116	108.10	27	116.95	414
86.00	131	97.90	24	109.00	61	117.90	356
87.05	4162	102.10	22	109.70	38	118.95	710

Average of 10.364 to 10.371 min.: VL043202.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
123.10	19	135.05	222	145.80	142	157.00	250
123.90	99	135.90	30	146.10	100	158.60	28
125.20	19	136.95	182	146.80	34	159.00	120
125.70	56	138.90	65	147.10	127	161.00	78
126.10	58	139.90	157	147.90	406	170.90	87
127.85	394	141.00	1242	148.90	165	172.20	73
128.10	59	141.90	141	149.95	156	174.00	87269
129.00	325	142.95	1524	151.00	22	175.05	6847
129.95	344	143.70	75	151.80	76	176.00	83301
130.95	175	144.00	78	152.90	62	177.00	5509
134.60	21	145.00	87	154.80	296	177.95	166

Average of 10.364 to 10.371 min.: VL043202.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.00	28						
268.30	20						
294.80	17						

Instrument :

MSVOA_L

ClientSampleId :

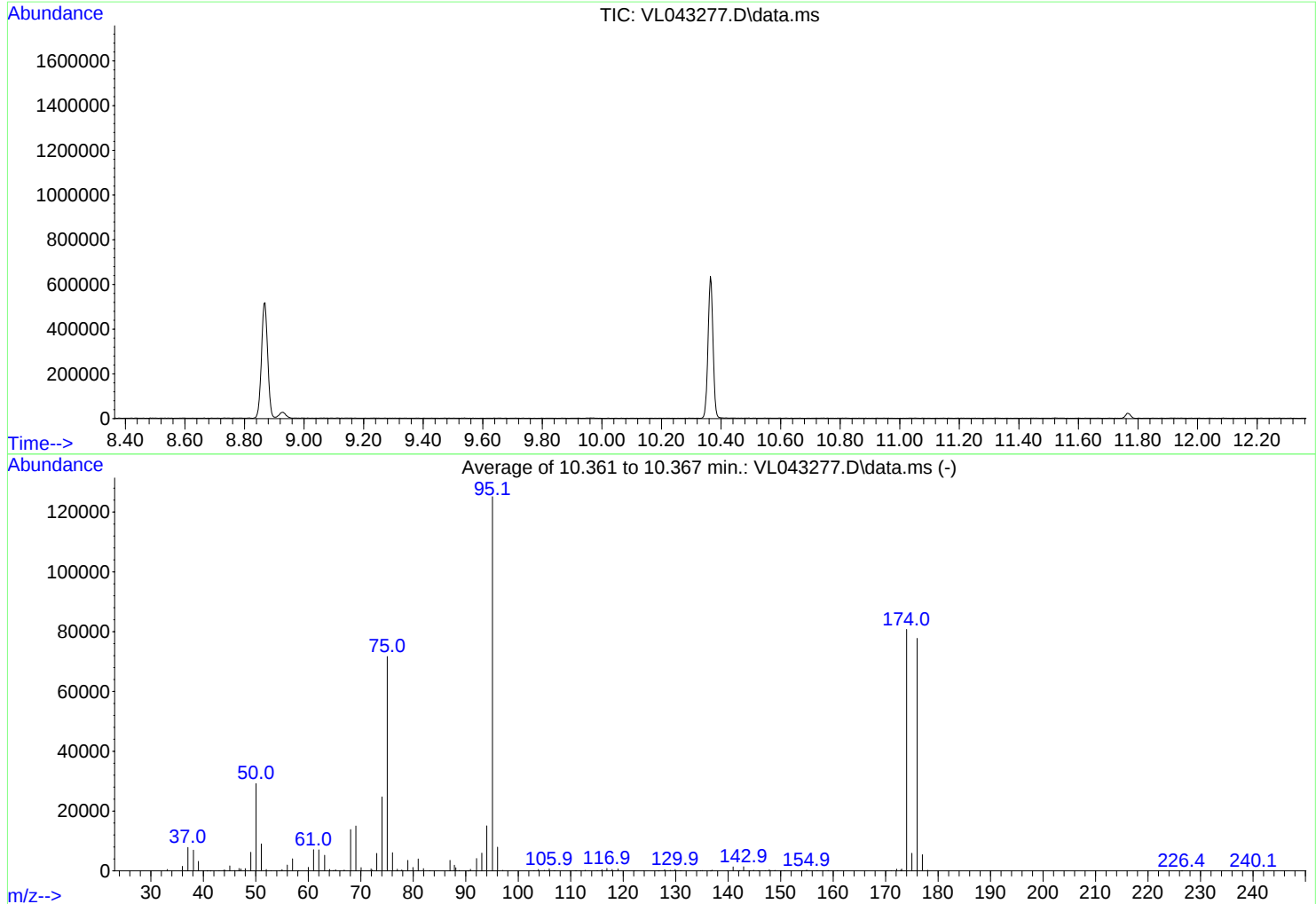
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043277.D
Acq On : 24 Nov 2025 08:53
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Wed Nov 19 01:11:25 2025



AutoFind: Scans 3174, 3175, 3176; Background Corrected with Scan 3159

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	23.3	29189	PASS
75	95	30	66	57.3	71715	PASS
95	95	100	100	100.0	125165	PASS
96	95	5	9	6.3	7928	PASS
173	174	0.00	2	0.8	642	PASS
174	95	50	120	64.5	80763	PASS
175	174	4	9	7.3	5908	PASS
176	174	93	101	96.3	77795	PASS
177	176	5	9	7.0	5416	PASS

Average of 10.361 to 10.367 min.: VL043277.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	478	45.05	1687	54.60	53	65.20	391
36.00	1507	45.95	136	55.00	422	66.05	51
37.05	7822	46.80	795	56.00	1965	66.85	28
38.10	6940	47.15	681	57.00	4054	68.05	1384
39.05	3202	48.00	783	58.15	117	69.05	14985
40.00	114	49.05	6220	60.00	1197	70.05	1092
40.70	19	50.05	29189	61.00	7095	71.95	679
41.30	25	51.05	9009	62.00	7024	72.20	235
43.00	59	52.00	501	63.10	5229	73.05	5870
43.90	284	52.90	47	64.05	495	74.05	24755
44.10	256	53.90	57	64.80	140	75.05	71715

Average of 10.361 to 10.367 min.: VL043277.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
76.05	6065	88.10	1041	103.85	501	115.80	83
76.95	589	88.75	144	104.95	191	115.95	362
77.80	287	90.40	26	105.90	660	116.90	815
78.00	158	90.90	546	106.80	120	117.90	469
78.95	3509	92.05	4129	107.00	77	119.00	667
79.95	1144	93.05	5957	109.85	82	122.00	22
80.95	3978	94.00	15063	110.85	96	123.90	67
81.95	783	95.10	125165	111.10	94	126.70	25
83.15	125	96.05	7928	111.80	72	127.90	444
87.00	3497	97.05	187	112.75	196	128.95	207
87.85	1920	103.00	101	115.05	163	129.90	485

Average of 10.361 to 10.367 min.: VL043277.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.90	113	142.95	1385	154.00	18	174.00	80763
131.10	39	144.00	19	154.95	310	175.00	5908
134.75	104	144.85	217	156.95	120	176.00	77795
135.05	136	145.70	62	158.05	59	177.00	5416
136.60	23	145.90	96	159.05	153	178.00	233
136.95	221	147.05	61	160.85	107	226.40	19
139.80	67	147.85	386	170.30	46	240.10	42
140.00	73	148.10	41	171.05	61		
140.95	1333	148.90	182	172.10	555		
141.85	103	150.05	72	172.90	300		
142.20	139	150.75	68	173.05	642		

Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: VL1124ABL01
Lab Sample ID: VL1124ABL01
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected:
Date Received:
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/24/25 13:11	VL112425
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	11/24/25 13:11	VL112425
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/24/25 13:11	VL112425
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/24/25 13:11	VL112425
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/24/25 13:11	VL112425
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/24/25 13:11	VL112425
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	1	0.65	2.34	11/24/25 13:11	VL112425
71-43-2	Benzene	0.080	0.26	U	1	0.26	1.60	11/24/25 13:11	VL112425
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/24/25 13:11	VL112425
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/24/25 13:11	VL112425
108-88-3	Toluene	0.16	0.60	U	1	0.60	1.88	11/24/25 13:11	VL112425
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	11/24/25 13:11	VL112425
179601-23-1	m/p-Xylene	0.41	1.78	U	1	1.78	4.34	11/24/25 13:11	VL112425
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17	11/24/25 13:11	VL112425
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 13:11	VL112425
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/24/25 13:11	VL112425
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52	11/24/25 13:11	VL112425
110-54-3	Hexane	0.16	0.56	U	1	0.56	1.76	11/24/25 13:11	VL112425

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	9.80		65 - 135	98% SPK: 10
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INTERNAL STANDARDS

	Area Count	
74-97-5	Bromochloromethane	106000
540-36-3	1,4-Difluorobenzene	278000
3114-55-4	Chlorobenzene-d5	210000

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043279.D
 Acq On : 24 Nov 2025 13:11
 Operator : SY/MD
 Sample : VL1124ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABL01

Quant Time: Nov 24 23:39:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	106137	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	277570	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	209566	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	151293	9.849	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%

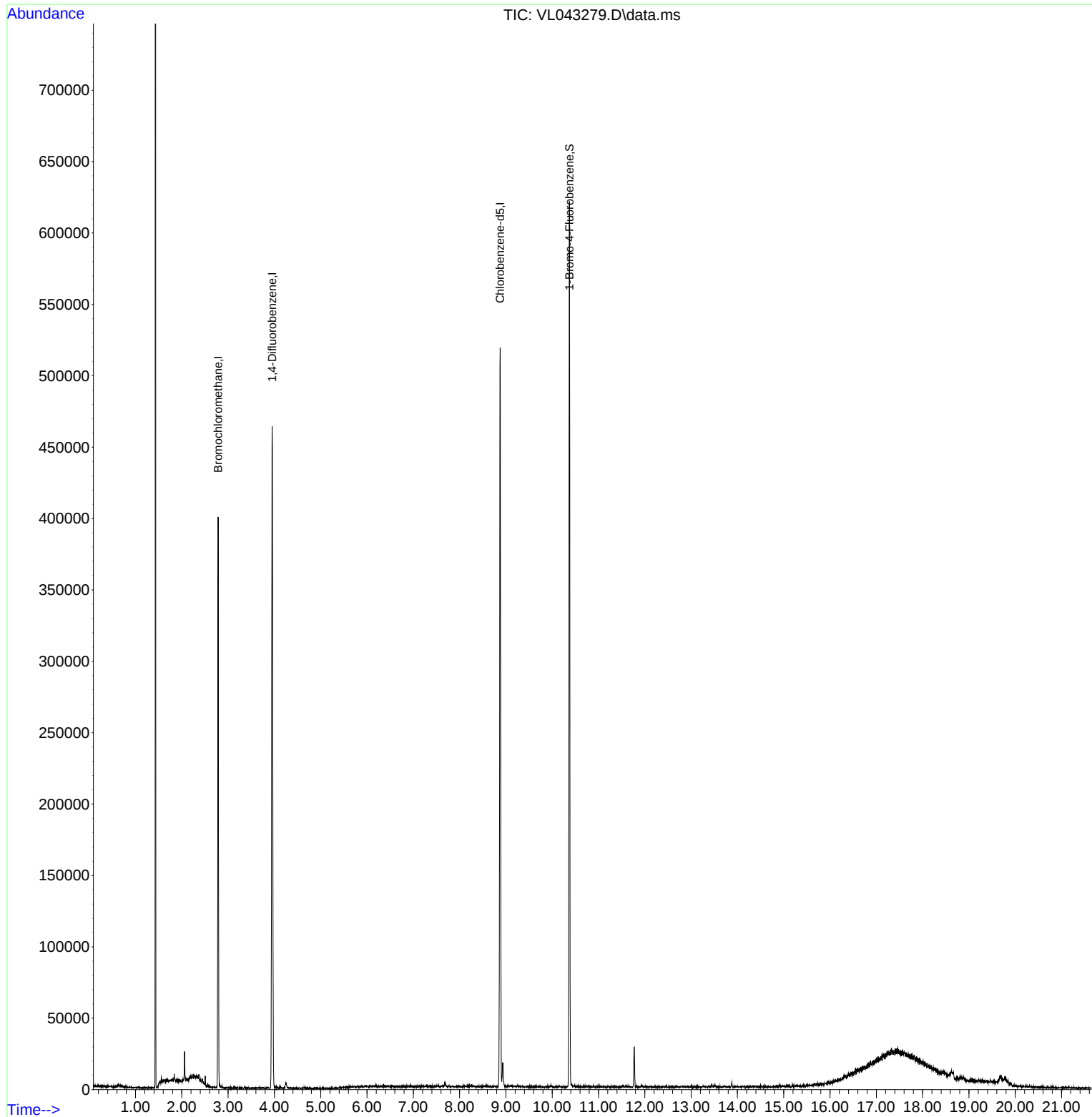
Target Compounds	Qvalue

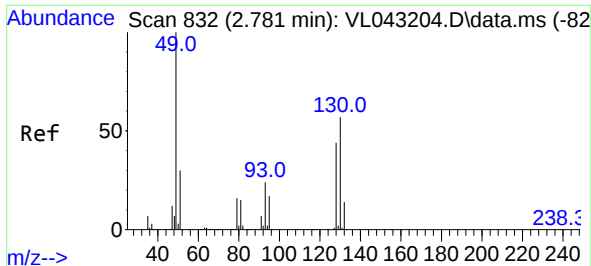
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
Data File : VL043279.D
Acq On : 24 Nov 2025 13:11
Operator : SY/MD
Sample : VL1124ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1124ABL01

Quant Time: Nov 24 23:39:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

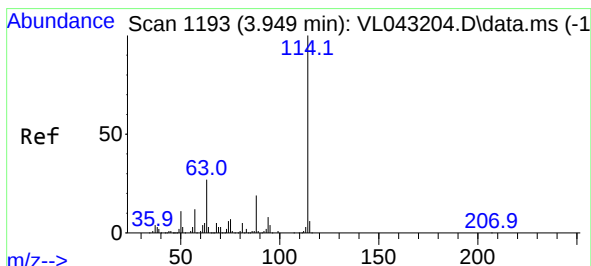
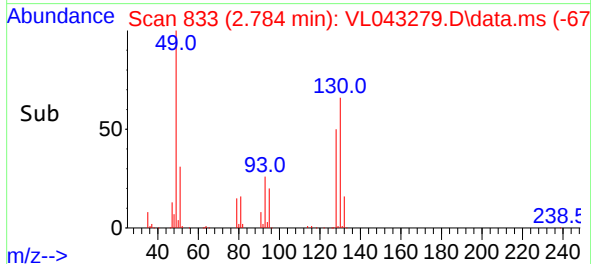
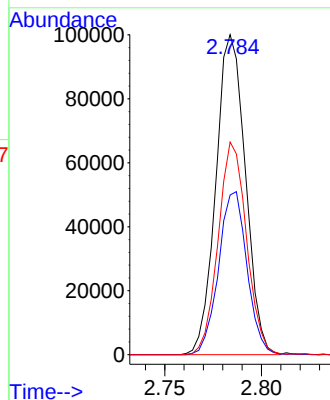
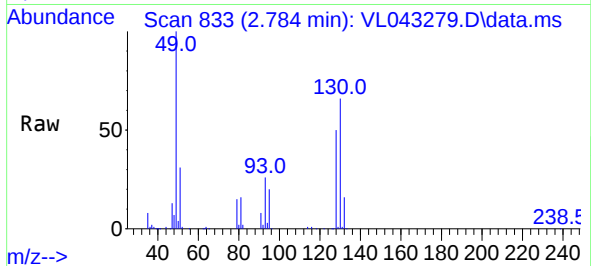




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

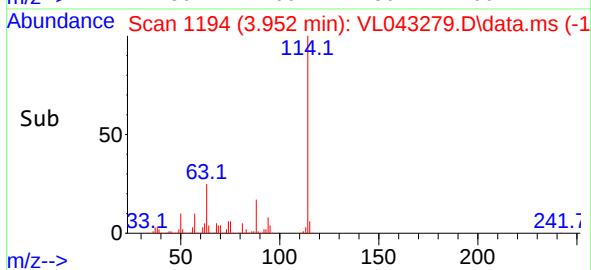
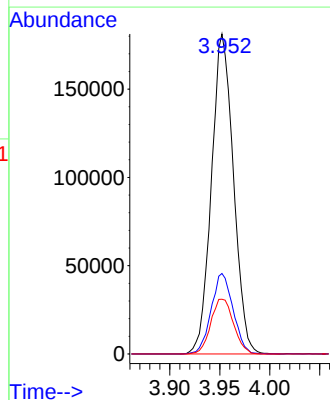
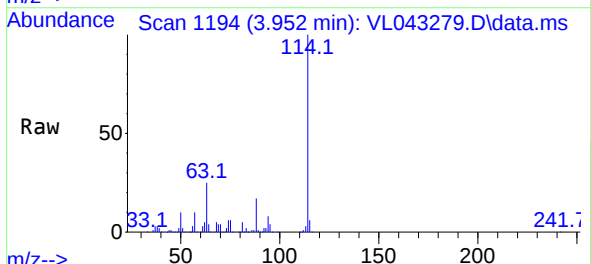
Instrument :
MSVOA_L
ClientSampleId :
VL1124ABL01

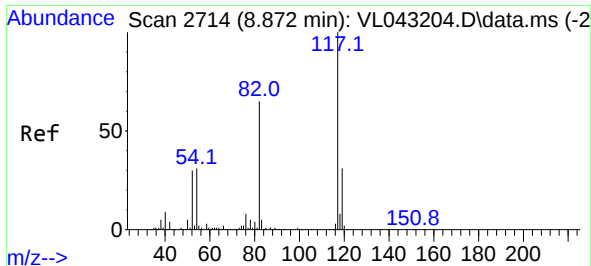
Tgt Ion: 49 Resp: 106137
Ion Ratio Lower Upper
49 100
128 49.2 23.0 69.0
130 63.9 29.9 89.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

Tgt Ion: 114 Resp: 277570
Ion Ratio Lower Upper
114 100
63 25.1 21.0 31.6
88 17.7 14.9 22.3

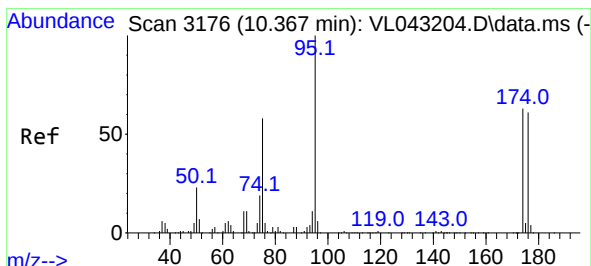
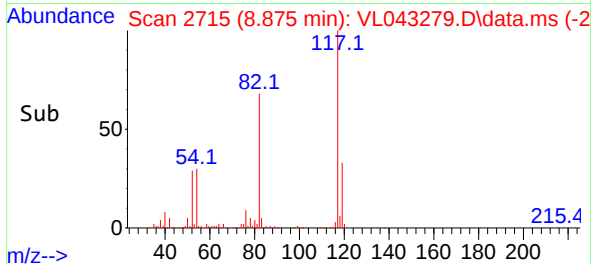
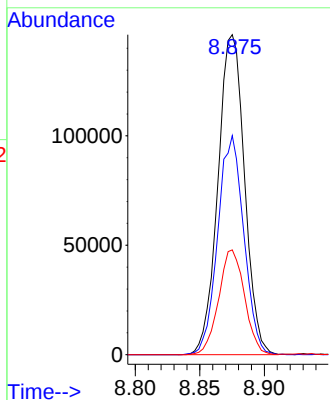
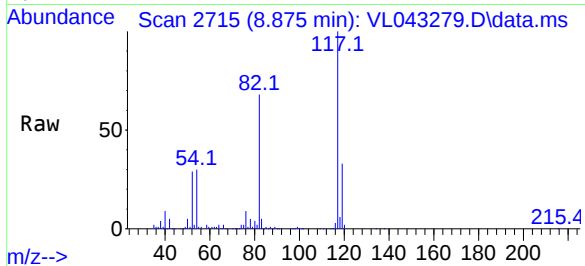




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

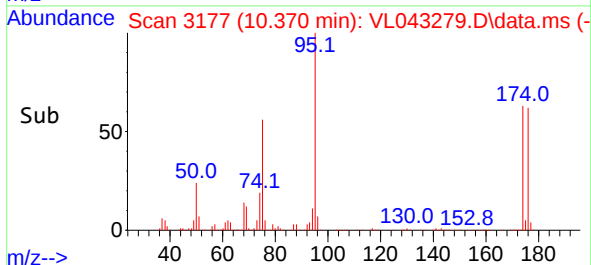
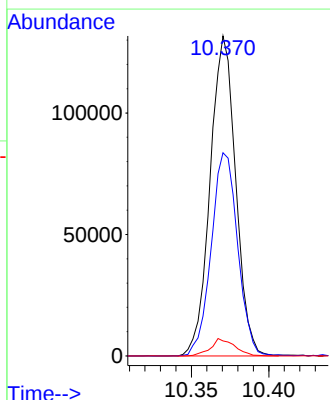
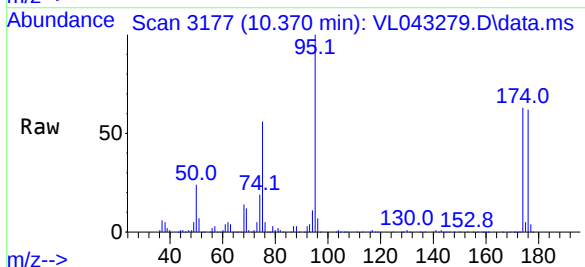
Instrument :
MSVOA_1
ClientSampleId :
VL1124ABL01

Tgt Ion:117 Resp: 209566
Ion Ratio Lower Upper
117 100
82 67.0 56.1 84.1
119 32.1 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.849 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043279.D
Acq: 24 Nov 2025 13:11

Tgt Ion: 95 Resp: 151293
Ion Ratio Lower Upper
95 100
174 65.8 50.2 75.2
175 5.1 4.1 6.1



Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: VL1124ABS01
Lab Sample ID: VL1124ABS01
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected:
Date Received:
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	9.40	24.0		1	0.080	0.080	11/24/25 13:52	VL112425
142-82-5	Heptane	9.30	38.1		1	0.70	2.05	11/24/25 13:52	VL112425
75-34-3	1,1-Dichloroethane	10.8	43.7		1	0.53	2.02	11/24/25 13:52	VL112425
110-82-7	Cyclohexane	10.1	34.8		1	0.76	1.72	11/24/25 13:52	VL112425
156-59-2	cis-1,2-Dichloroethene	10.4	41.2		1	0.40	1.98	11/24/25 13:52	VL112425
71-55-6	1,1,1-Trichloroethane	11.2	61.1		1	0.11	0.16	11/24/25 13:52	VL112425
540-84-1	2,2,4-Trimethylpentane	10.2	47.6		1	0.65	2.34	11/24/25 13:52	VL112425
71-43-2	Benzene	10.7	34.2		1	0.26	1.60	11/24/25 13:52	VL112425
79-01-6	Trichloroethene	11.0	59.1		1	0.11	0.16	11/24/25 13:52	VL112425
75-27-4	Bromodichloromethane	11.7	78.4		1	0.40	3.35	11/24/25 13:52	VL112425
108-88-3	Toluene	10.2	38.4		1	0.60	1.88	11/24/25 13:52	VL112425
127-18-4	Tetrachloroethene	10.6	71.9		1	0.14	0.20	11/24/25 13:52	VL112425
179601-23-1	m/p-Xylene	21.8	94.7		1	1.78	4.34	11/24/25 13:52	VL112425
95-47-6	o-Xylene	10.8	46.9		1	0.91	2.17	11/24/25 13:52	VL112425
108-67-8	1,3,5-Trimethylbenzene	10.7	52.6		1	0.88	2.46	11/24/25 13:52	VL112425
95-63-6	1,2,4-Trimethylbenzene	10.9	53.6		1	0.88	2.46	11/24/25 13:52	VL112425
91-20-3	Naphthalene	10.1	53.0		1	0.050	0.52	11/24/25 13:52	VL112425
110-54-3	Hexane	9.80	34.5		1	0.56	1.76	11/24/25 13:52	VL112425

SURROGATES

460-00-4	1-Bromo-4-Fluorobenzene	10.2		65 - 135	102% SPK: 10
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INTERNAL STANDARDS

	Area Count	
74-97-5	Bromochloromethane	105000
540-36-3	1,4-Difluorobenzene	273000
3114-55-4	Chlorobenzene-d5	221000

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Report of Analysis

Client: GFE LLC
Project: 90-73 Sutphin Blvd Jamaica, NY
Client Sample ID: VL1124ABS01
Lab Sample ID: VL1124ABS01
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected:
Date Received:
SDG No.: Q3696
Matrix: Air
Test: VOCMS Group2

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	9.40	24.0		1	0.080	0.080	11/24/25 13:52	VL112425
142-82-5	Heptane	9.30	38.1		1	0.70	2.05	11/24/25 13:52	VL112425
75-34-3	1,1-Dichloroethane	10.8	43.7		1	0.53	2.02	11/24/25 13:52	VL112425
110-82-7	Cyclohexane	10.1	34.8		1	0.76	1.72	11/24/25 13:52	VL112425
156-59-2	cis-1,2-Dichloroethene	10.4	41.2		1	0.40	1.98	11/24/25 13:52	VL112425
71-55-6	1,1,1-Trichloroethane	11.2	61.1		1	0.11	0.16	11/24/25 13:52	VL112425
540-84-1	2,2,4-Trimethylpentane	10.2	47.6		1	0.65	2.34	11/24/25 13:52	VL112425
71-43-2	Benzene	10.7	34.2		1	0.26	1.60	11/24/25 13:52	VL112425
79-01-6	Trichloroethene	11.0	59.1		1	0.11	0.16	11/24/25 13:52	VL112425
108-88-3	Toluene	10.2	38.4		1	0.60	1.88	11/24/25 13:52	VL112425
127-18-4	Tetrachloroethene	10.6	71.9		1	0.14	0.20	11/24/25 13:52	VL112425
100-41-4	Ethyl Benzene	10.6	46.0		1	0.83	2.17	11/24/25 13:52	VL112425
179601-23-1	m/p-Xylene	21.8	94.7		1	1.78	4.34	11/24/25 13:52	VL112425
95-47-6	o-Xylene	10.8	46.9		1	0.91	2.17	11/24/25 13:52	VL112425
108-67-8	1,3,5-Trimethylbenzene	10.7	52.6		1	0.88	2.46	11/24/25 13:52	VL112425
95-63-6	1,2,4-Trimethylbenzene	10.9	53.6		1	0.88	2.46	11/24/25 13:52	VL112425
91-20-3	Naphthalene	10.1	53.0		1	0.050	0.52	11/24/25 13:52	VL112425
110-54-3	Hexane	9.80	34.5		1	0.56	1.76	11/24/25 13:52	VL112425
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	10.2				65 - 135	102% SPK: 10		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	105000							
540-36-3	1,4-Difluorobenzene	273000							
3114-55-4	Chlorobenzene-d5	221000							

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043280.D
 Acq On : 24 Nov 2025 13:52
 Operator : SY/MD
 Sample : VL1124ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:39:50 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	105147	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	272854	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	221036	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.367 95 164851 10.175 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	162546	10.960	ppbv	99
3) Chlorodifluoromethane	1.476	51	149762	10.268	ppbv	95
4) Chloromethane	1.531	50	55864	10.075	ppbv	96
5) Vinyl Chloride	1.580	62	57122	9.420	ppbv	98
6) Bromomethane	1.667	94	28296	9.626	ppbv	98
7) Chloroethane	1.703	64	22649	9.590	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	135608	10.992	ppbv	98
9) Propene	1.483	41	58566m	9.456	ppbv	
10) Heptane	4.969	43	170817	9.267	ppbv	99
11) Trichlorofluoromethane	1.875	101	169809	11.818	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	132086	11.775	ppbv	99
13) Ethanol	1.719	45	17266	7.928	ppbv	97
14) Bromoethene	1.781	108	46318	10.771	ppbv	98
15) Acetone	1.832	43	126744	8.676	ppbv	98
16) 1,3-Butadiene	1.609	39	64230	9.862	ppbv	96
17) tert-Butyl alcohol	2.036	59	179940	9.384	ppbv	100
18) 1,1-Dichloroethene	2.030	96	55652	10.655	ppbv	92
19) Isopropyl Alcohol	1.884	45	71853	8.704	ppbv	92
20) Methylene Chloride	2.059	84	50105	11.780	ppbv	91
21) Allyl Chloride	2.095	41	88132	8.967	ppbv	96
22) trans-1,2-Dichloroethene	2.337	96	64065	10.731	ppbv	98
23) Vinyl Acetate	2.457	43	171121	9.703	ppbv #	99
24) 1,1-Dichloroethane	2.405	63	124688	10.820	ppbv	98
25) Ethyl Acetate	2.826	43	301985	9.585	ppbv	99
26) Hexane	2.820	57	135935	9.841	ppbv	99
27) Carbon Disulfide	2.146	76	158318	11.226	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	75424	11.124	ppbv	95
29) Chloroform	2.842	83	228576	11.642	ppbv	98
30) Cyclohexane	3.852	84	116565	10.065	ppbv	93
31) cis-1,2-Dichloroethene	2.716	61	143211	10.430	ppbv	98
32) 1,1,1-Trichloroethane	3.360	97	235081	11.233	ppbv	99
34) 2-Butanone	2.551	43	193105	10.026	ppbv	99
35) Carbon Tetrachloride	3.755	117	246117	11.883	ppbv	99
36) Benzene	3.648	78	279506	10.697	ppbv	98
37) 1,2-Dichloroethane	3.211	62	178873	11.703	ppbv	98
38) Trichloroethene	4.538	130	112238	10.979	ppbv	96
39) 1,2-Dichloropropane	4.302	63	101403	10.603	ppbv	93
40) 1,4-Dioxane	4.564	88	38115	8.866	ppbv #	94
41) Tetrahydrofuran	3.043	42	103010	9.685	ppbv	98
42) Bromodichloromethane	4.477	83	246932	11.712	ppbv	95
43) Methyl Methacrylate	4.868	69	132570	9.558	ppbv	96
44) 2,2,4-Trimethylpentane	4.632	57	459765	10.245	ppbv	99
45) t-1,3-Dichloropropene	6.403	75	103648	8.017	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043280.D
 Acq On : 24 Nov 2025 13:52
 Operator : SY/MD
 Sample : VL1124ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1124ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/25/2025
 Supervised By : Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:39:50 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.584	75	125652	8.277	ppbv	94
47) 1,1,2-Trichloroethane	6.568	97	111403	10.976	ppbv	92
48) Dibromochloromethane	7.377	129	203117	11.640	ppbv	98
49) Bromoform	9.474	173	179808	11.633	ppbv	99
50) 4-Methyl-2-Pentanone	5.729	43	257888	9.505	ppbv	98
51) 2-Hexanone	7.422	43	184928	8.777	ppbv #	98
52) Tetrachloroethene	8.212	164	102674	10.563	ppbv	94
53) Toluene	6.920	91	315386	10.193	ppbv	99
54) 1,2-Dibromoethane	7.642	107	154824	10.366	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.914	131	190059	11.700	ppbv	98
57) Chlorobenzene	8.914	112	250652	11.045	ppbv	98
58) Ethyl Benzene	9.348	91	451322	10.609	ppbv	98
59) m/p-Xylene	9.523	91	743261m	21.791	ppbv	
60) o-Xylene	9.956	91	367807	10.794	ppbv	99
61) Styrene	9.863	104	142907	9.583	ppbv	99
62) Isopropylbenzene	10.533	105	669597	10.984	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	227409	10.489	ppbv	99
64) n-propylbenzene	10.982	120	167620	10.701	ppbv	99
65) tert-Butylbenzene	11.523	119	573049	10.526	ppbv	99
66) Benzyl Chloride	11.610	91	25332	4.585	ppbv	99
67) sec-Butylbenzene	11.759	105	802399	10.559	ppbv	99
69) p-Isopropyltoluene	11.918	119	666208	10.349	ppbv	100
70) n-Butylbenzene	12.274	91	653544	10.465	ppbv	99
71) 2-Chlorotoluene	10.895	91	492497	10.511	ppbv	100
72) 4-Ethyltoluene	11.118	105	448275	10.803	ppbv	98
73) 1,3,5-Trimethylbenzene	11.196	105	372510	10.697	ppbv	96
74) 1,2,4-Trimethylbenzene	11.529	105	413769	10.888	ppbv	96
75) 1,3-Dichlorobenzene	11.601	146	239632	10.806	ppbv	97
76) 1,4-Dichlorobenzene	11.665	146	239094	10.779	ppbv	98
77) 1,2-Dichlorobenzene	11.940	146	227478	10.669	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	183653	10.321	ppbv	99
79) Naphthalene	13.507	128	340028	10.074	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	83577	9.433	ppbv	100
81) 1,2,4-Trichlorobenzene	13.433	180	167890	11.122	ppbv	99

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

Manual Integrations

Quant Time: Nov 24 23:39:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VL11825	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL043203.D	1,1,1,2-Tetrachloroethane	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	1,1,2-Trichloroethane	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	1,4-Dioxane	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	cis-1,3-Dichloropropene	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	Ethyl Acetate	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	Heptane	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	m/p-Xylene	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	Methyl Methacrylate	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	Toluene	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICCC010	VL043204.D	m/p-Xylene	sam	11/19/2025 8:29:20 AM	MMDadoda	11/19/2025 9:42:15 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	1,1,2-Trichloroethane	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	1,4-Dioxane	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	Benzene	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VL11825

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC002	VL043205.D	Dibromochloromethane	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	Heptane	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	m/p-Xylene	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	t-1,3-Dichloropropene	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	Trichloroethene	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC001	VL043206.D	1,4-Dioxane	sam	11/19/2025 8:31:27 AM	MMDadoda	11/19/2025 9:42:23 AM	Peak Integrated by Software
VSTDICC001	VL043206.D	2,2,4-Trimethylpentane	sam	11/19/2025 8:31:27 AM	MMDadoda	11/19/2025 9:42:23 AM	Peak Integrated by Software
VSTDICC001	VL043206.D	m/p-Xylene	sam	11/19/2025 8:31:27 AM	MMDadoda	11/19/2025 9:42:23 AM	Peak Integrated by Software
VSTDICC001	VL043206.D	t-1,3-Dichloropropene	sam	11/19/2025 8:31:27 AM	MMDadoda	11/19/2025 9:42:23 AM	Peak Integrated by Software
VSTDICC001	VL043206.D	Trichloroethene	sam	11/19/2025 8:31:27 AM	MMDadoda	11/19/2025 9:42:23 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	1,1,1-Trichloroethane	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	1,1,2,2-Tetrachloroethane	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	1,2-Dibromoethane	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL11825	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.1	VL043208.D	Carbon Tetrachloride	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	Naphthalene	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	Tetrachloroethene	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	Trichloroethene	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	1,1,1-Trichloroethane	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	1,1,2,2-Tetrachloroethane	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	Carbon Tetrachloride	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	Tetrachloroethene	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	Trichloroethene	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	Vinyl Chloride	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC015	VL043210.D	m/p-Xylene	sam	11/19/2025 8:32:26 AM	MMDadoda	11/19/2025 9:42:39 AM	Peak Integrated by Software
VSTDICC015	VL043210.D	Propene	sam	11/19/2025 8:32:26 AM	MMDadoda	11/19/2025 9:42:39 AM	Peak Integrated by Software
VSTDICV010	VL043211.D	m/p-Xylene	sam	11/19/2025 8:31:49 AM	MMDadoda	11/19/2025 9:43:04 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VL111825	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV010	VL043211.D	Propene	sam	11/19/2025 8:31:49 AM	MMDadoda	11/19/2025 9:43:04 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VI112425	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL043278.D	m/p-Xylene	sam	11/25/2025 7:21:56 AM	MMDadoda	11/25/2025 7:59:24 AM	Peak Integrated by Software
VSTDCCC010	VL043278.D	Propene	sam	11/25/2025 7:21:56 AM	MMDadoda	11/25/2025 7:59:24 AM	Peak Integrated by Software
VL1124ABS01	VL043280.D	m/p-Xylene	sam	11/25/2025 7:22:01 AM	MMDadoda	11/25/2025 7:59:28 AM	Peak Integrated by Software
VL1124ABS01	VL043280.D	Propene	sam	11/25/2025 7:22:01 AM	MMDadoda	11/25/2025 7:59:28 AM	Peak Integrated by Software
Q3696-02	VL043281.D	Carbon Tetrachloride	sam	11/25/2025 7:22:55 AM	MMDadoda	11/25/2025 7:59:31 AM	Peak Integrated by Software
Q3696-02	VL043281.D	Chlorodifluoromethane	sam	11/25/2025 7:22:55 AM	MMDadoda	11/25/2025 7:59:31 AM	Peak Integrated by Software
Q3696-02	VL043281.D	Cyclohexane	sam	11/25/2025 7:22:55 AM	MMDadoda	11/25/2025 7:59:31 AM	Peak Integrated by Software
Q3696-02	VL043281.D	Heptane	sam	11/25/2025 7:22:55 AM	MMDadoda	11/25/2025 7:59:31 AM	Peak Integrated by Software
Q3696-02	VL043281.D	Tetrachloroethene	sam	11/25/2025 7:22:55 AM	MMDadoda	11/25/2025 7:59:31 AM	Peak Integrated by Software
Q3696-02	VL043281.D	Toluene	sam	11/25/2025 7:22:55 AM	MMDadoda	11/25/2025 7:59:31 AM	Peak Integrated by Software
Q3696-02	VL043281.D	Trichlorofluoromethane	sam	11/25/2025 7:22:55 AM	MMDadoda	11/25/2025 7:59:31 AM	Peak Integrated by Software
Q3696-02DUP	VL043282.D	2,2,4-Trimethylpentane	sam	11/25/2025 7:22:38 AM	MMDadoda	11/25/2025 7:59:35 AM	Peak Integrated by Software
Q3696-02DUP	VL043282.D	Carbon Tetrachloride	sam	11/25/2025 7:22:38 AM	MMDadoda	11/25/2025 7:59:35 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VI112425	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3696-02DUP	VL043282.D	Chlorodifluoromethane	sam	11/25/2025 7:22:38 AM	MMDadoda	11/25/2025 7:59:35 AM	Peak Integrated by Software
Q3696-02DUP	VL043282.D	Cyclohexane	sam	11/25/2025 7:22:38 AM	MMDadoda	11/25/2025 7:59:35 AM	Peak Integrated by Software
Q3696-02DUP	VL043282.D	Ethyl Benzene	sam	11/25/2025 7:22:38 AM	MMDadoda	11/25/2025 7:59:35 AM	Peak Integrated by Software
Q3696-02DUP	VL043282.D	Heptane	sam	11/25/2025 7:22:38 AM	MMDadoda	11/25/2025 7:59:35 AM	Peak Integrated by Software
Q3696-02DUP	VL043282.D	m/p-Xylene	sam	11/25/2025 7:22:38 AM	MMDadoda	11/25/2025 7:59:35 AM	Peak Integrated by Software
Q3696-02DUP	VL043282.D	Tetrachloroethene	sam	11/25/2025 7:22:38 AM	MMDadoda	11/25/2025 7:59:35 AM	Peak Integrated by Software
Q3696-02DUP	VL043282.D	Toluene	sam	11/25/2025 7:22:38 AM	MMDadoda	11/25/2025 7:59:35 AM	Peak Integrated by Software
Q3696-04	VL043283.D	2,2,4-Trimethylpentane	sam	11/25/2025 7:22:06 AM	MMDadoda	11/25/2025 7:59:39 AM	Peak Integrated by Software
Q3696-04	VL043283.D	Carbon Tetrachloride	sam	11/25/2025 7:22:06 AM	MMDadoda	11/25/2025 7:59:39 AM	Peak Integrated by Software
Q3696-04	VL043283.D	Chlorodifluoromethane	sam	11/25/2025 7:22:06 AM	MMDadoda	11/25/2025 7:59:39 AM	Peak Integrated by Software
Q3696-04	VL043283.D	Heptane	sam	11/25/2025 7:22:06 AM	MMDadoda	11/25/2025 7:59:39 AM	Peak Integrated by Software
Q3696-04	VL043283.D	m/p-Xylene	sam	11/25/2025 7:22:06 AM	MMDadoda	11/25/2025 7:59:39 AM	Peak Integrated by Software
Q3696-04	VL043283.D	Tetrachloroethene	sam	11/25/2025 7:22:06 AM	MMDadoda	11/25/2025 7:59:39 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VI112425	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3696-04	VL043283.D	Toluene	sam	11/25/2025 7:22:06 AM	MMDadoda	11/25/2025 7:59:39 AM	Peak Integrated by Software
Q3696-04	VL043283.D	Trichloroethene	sam	11/25/2025 7:22:06 AM	MMDadoda	11/25/2025 7:59:39 AM	Peak Integrated by Software
Q3696-06	VL043284.D	Carbon Tetrachloride	sam	11/25/2025 7:22:32 AM	MMDadoda	11/25/2025 7:59:42 AM	Peak Integrated by Software
Q3696-06	VL043284.D	Chlorodifluoromethane	sam	11/25/2025 7:22:32 AM	MMDadoda	11/25/2025 7:59:42 AM	Peak Integrated by Software
Q3696-06	VL043284.D	Tetrachloroethene	sam	11/25/2025 7:22:32 AM	MMDadoda	11/25/2025 7:59:42 AM	Peak Integrated by Software
Q3696-06	VL043284.D	Trichloroethene	sam	11/25/2025 7:22:32 AM	MMDadoda	11/25/2025 7:59:42 AM	Peak Integrated by Software
Q3696-07	VL043285.D	2,2,4-Trimethylpentane	sam	11/25/2025 7:23:08 AM	MMDadoda	11/25/2025 7:59:46 AM	Peak Integrated by Software
Q3696-07	VL043285.D	Chlorodifluoromethane	sam	11/25/2025 7:23:08 AM	MMDadoda	11/25/2025 7:59:46 AM	Peak Integrated by Software
Q3696-07	VL043285.D	m/p-Xylene	sam	11/25/2025 7:23:08 AM	MMDadoda	11/25/2025 7:59:46 AM	Peak Integrated by Software
Q3696-07	VL043285.D	Tetrachloroethene	sam	11/25/2025 7:23:08 AM	MMDadoda	11/25/2025 7:59:46 AM	Peak Integrated by Software
Q3696-07	VL043285.D	Toluene	sam	11/25/2025 7:23:08 AM	MMDadoda	11/25/2025 7:59:46 AM	Peak Integrated by Software
Q3696-01	VL043286.D	Cyclohexane	sam	11/25/2025 7:22:24 AM	MMDadoda	11/25/2025 7:59:51 AM	Peak Integrated by Software
Q3696-01	VL043286.D	Trichloroethene	sam	11/25/2025 7:22:24 AM	MMDadoda	11/25/2025 7:59:51 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VI112425

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3696-03	VL043287.D	1,1,1-Trichloroethane	sam	11/25/2025 7:23:02 AM	MMDadoda	11/25/2025 7:59:54 AM	Peak Integrated by Software
Q3696-03	VL043287.D	m/p-Xylene	sam	11/25/2025 7:23:02 AM	MMDadoda	11/25/2025 7:59:54 AM	Peak Integrated by Software
Q3696-03	VL043287.D	Toluene	sam	11/25/2025 7:23:02 AM	MMDadoda	11/25/2025 7:59:54 AM	Peak Integrated by Software
Q3696-03	VL043287.D	Trichloroethene	sam	11/25/2025 7:23:02 AM	MMDadoda	11/25/2025 7:59:54 AM	Peak Integrated by Software
Q3696-05	VL043288.D	m/p-Xylene	sam	11/25/2025 7:22:17 AM	MMDadoda	11/25/2025 7:59:58 AM	Peak Integrated by Software
Q3696-05	VL043288.D	Toluene	sam	11/25/2025 7:22:17 AM	MMDadoda	11/25/2025 7:59:58 AM	Peak Integrated by Software
Q3696-05	VL043288.D	Trichlorofluoromethane	sam	11/25/2025 7:22:17 AM	MMDadoda	11/25/2025 7:59:58 AM	Peak Integrated by Software

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL111825

Review By	Semsettin Yesilyurt	Review On	11/19/2025 8:33:42 AM		
Supervise By	Maresh Dadoda	Supervise On	11/19/2025 9:44:32 AM		
SubDirectory	VL111825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M
STD. NAME		STD REF.#			
Tune/Reschk	AP2691				
Initial Calibration Stds	AP2694,AP2695,AP2696				
CCC	AP2694				
Internal Standard/PEM	AP2691				
ICV/I.BLK	AP2697				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043202.D	18 Nov 2025 08:46	SY/MD	Ok
2	VSTDIC0.5	VL043203.D	18 Nov 2025 09:29	SY/MD	Ok,M
3	VSTDICCC010	VL043204.D	18 Nov 2025 10:02	SY/MD	Ok,M
4	VSTDIC002	VL043205.D	18 Nov 2025 10:37	SY/MD	Ok,M
5	VSTDIC001	VL043206.D	18 Nov 2025 11:10	SY/MD	Ok,M
6	VSTDIC0.5	VL043207.D	18 Nov 2025 11:43	SY/MD	Not Ok
7	VSTDIC0.1	VL043208.D	18 Nov 2025 12:16	SY/MD	Ok,M
8	VSTDIC0.03	VL043209.D	18 Nov 2025 12:49	SY/MD	Ok,M
9	VSTDIC015	VL043210.D	18 Nov 2025 13:24	SY/MD	Ok,M
10	VSTDICV010	VL043211.D	18 Nov 2025 13:56	SY/MD	Ok,M
11	VL1118ABL01	VL043212.D	18 Nov 2025 14:41	SY/MD	Ok
12	VL1118ABS01	VL043213.D	18 Nov 2025 15:24	SY/MD	Ok,M
13	Q3651-03	VL043214.D	18 Nov 2025 15:57	SY/MD	Dilution
14	Q3651-03DUP	VL043215.D	18 Nov 2025 16:31	SY/MD	Ok,M
15	Q3651-04	VL043216.D	18 Nov 2025 17:06	SY/MD	Dilution
16	Q3651-06	VL043217.D	18 Nov 2025 17:40	SY/MD	Dilution
17	Q3650-03	VL043218.D	18 Nov 2025 18:15	SY/MD	Ok,M
18	Q3650-04	VL043219.D	18 Nov 2025 18:49	SY/MD	Ok,M
19	Q3650-05	VL043220.D	18 Nov 2025 19:23	SY/MD	Ok,M
20	Q3650-06	VL043221.D	18 Nov 2025 19:58	SY/MD	Ok,M
21	Q3651-01	VL043222.D	18 Nov 2025 20:29	SY/MD	Ok,M

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL111825

Review By	Semsettin Yesilyurt	Review On	11/19/2025 8:33:42 AM		
Supervise By	Maresh Dadoda	Supervise On	11/19/2025 9:44:32 AM		
SubDirectory	VL111825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2691			
Initial Calibration Stds		AP2694,AP2695,AP2696			
CCC		AP2694			
Internal Standard/PEM		AP2691			
ICV/I.BLK		AP2697			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q3651-02	VL043223.D	18 Nov 2025 21:01	SY/MD	Ok,M
23	Q3651-05	VL043224.D	18 Nov 2025 21:33	SY/MD	Ok,M
24	Q3650-01	VL043225.D	18 Nov 2025 22:05	SY/MD	Ok,M
25	Q3650-02	VL043226.D	18 Nov 2025 22:37	SY/MD	Ok,M
26	Q3651-03DL	VL043227.D	18 Nov 2025 23:09	SY/MD	Ok,M
27	Q3651-03DL	VL043228.D	18 Nov 2025 23:41	SY/MD	Not Ok
28	Q3651-04DL	VL043229.D	19 Nov 2025 00:13	SY/MD	Ok,M
29	Q3651-06DL	VL043230.D	19 Nov 2025 00:44	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL112425

Review By	Semsettin Yesilyurt	Review On	11/25/2025 7:23:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2025 8:00:09 AM		
SubDirectory	VL112425	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M
STD. NAME		STD REF.#			
Tune/Reschk	AP2691				
Initial Calibration Stds	AP2694,AP2695,AP2696				
CCC	AP2694				
Internal Standard/PEM	AP2691				
ICV/I.BLK	AP2697				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043277.D	24 Nov 2025 08:53	SY/MD	Ok
2	VSTDCCC010	VL043278.D	24 Nov 2025 12:27	SY/MD	Ok,M
3	VL1124ABL01	VL043279.D	24 Nov 2025 13:11	SY/MD	Ok
4	VL1124ABS01	VL043280.D	24 Nov 2025 13:52	SY/MD	Ok,M
5	Q3696-02	VL043281.D	24 Nov 2025 14:26	SY/MD	Ok,M
6	Q3696-02DUP	VL043282.D	24 Nov 2025 15:00	SY/MD	Ok,M
7	Q3696-04	VL043283.D	24 Nov 2025 15:35	SY/MD	Ok,M
8	Q3696-06	VL043284.D	24 Nov 2025 16:09	SY/MD	Ok,M
9	Q3696-07	VL043285.D	24 Nov 2025 16:43	SY/MD	Ok,M
10	Q3696-01	VL043286.D	24 Nov 2025 17:15	SY/MD	Ok,M
11	Q3696-03	VL043287.D	24 Nov 2025 17:47	SY/MD	Ok,M
12	Q3696-05	VL043288.D	24 Nov 2025 18:20	SY/MD	Ok,M
13	Q3696-01DL	VL043289.D	24 Nov 2025 20:07	SY/MD	Not Ok
14	QC112425 CAN 10315	VL043290.D	25 Nov 2025 08:21	SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL111825

Review By	Semsettin Yesilyurt	Review On	11/19/2025 8:33:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 9:44:32 AM		
SubDirectory	VL111825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2691
Initial Calibration Stds	AP2694,AP2695,AP2696
CCC	AP2694
Internal Standard/PEM	AP2691
ICV/I.BLK	AP2697
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL043202.D	18 Nov 2025 08:46		SY/MD	Ok
2	VSTDIC0.5	VSTDIC0.5	VL043203.D	18 Nov 2025 09:29		SY/MD	Ok,M
3	VSTDICCC010	VSTDICCC010	VL043204.D	18 Nov 2025 10:02	LR-20	SY/MD	Ok,M
4	VSTDIC002	VSTDIC002	VL043205.D	18 Nov 2025 10:37		SY/MD	Ok,M
5	VSTDIC001	VSTDIC001	VL043206.D	18 Nov 2025 11:10		SY/MD	Ok,M
6	VSTDIC0.5	VSTDIC0.5	VL043207.D	18 Nov 2025 11:43	Not used	SY/MD	Not Ok
7	VSTDIC0.1	VSTDIC0.1	VL043208.D	18 Nov 2025 12:16		SY/MD	Ok,M
8	VSTDIC0.03	VSTDIC0.03	VL043209.D	18 Nov 2025 12:49		SY/MD	Ok,M
9	VSTDIC015	VSTDIC015	VL043210.D	18 Nov 2025 13:24		SY/MD	Ok,M
10	VSTDICV010	ICVVL111825	VL043211.D	18 Nov 2025 13:56	ICV failed for com.#66	SY/MD	Ok,M
11	VL1118ABL01	VL1118ABL01	VL043212.D	18 Nov 2025 14:41		SY/MD	Ok
12	VL1118ABS01	VL1118ABS01	VL043213.D	18 Nov 2025 15:24		SY/MD	Ok,M
13	Q3651-03	IA1	VL043214.D	18 Nov 2025 15:57	Need 20X	SY/MD	Dilution
14	Q3651-03DUP	IA1DUP	VL043215.D	18 Nov 2025 16:31		SY/MD	Ok,M
15	Q3651-04	IA2	VL043216.D	18 Nov 2025 17:06	Need 10X	SY/MD	Dilution
16	Q3651-06	IA3	VL043217.D	18 Nov 2025 17:40	Need 10X	SY/MD	Dilution
17	Q3650-03	IA1	VL043218.D	18 Nov 2025 18:15		SY/MD	Ok,M
18	Q3650-04	IA2	VL043219.D	18 Nov 2025 18:49		SY/MD	Ok,M

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL111825

Review By	Semsettin Yesilyurt	Review On	11/19/2025 8:33:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 9:44:32 AM		
SubDirectory	VL111825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2691				
Initial Calibration Stds	AP2694,AP2695,AP2696				
CCC	AP2694				
Internal Standard/PEM	AP2691				
ICV/I.BLK	AP2697				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3650-05	IA3	VL043220.D	18 Nov 2025 19:23		SY/MD	Ok,M
20	Q3650-06	OA1	VL043221.D	18 Nov 2025 19:58		SY/MD	Ok,M
21	Q3651-01	SV1	VL043222.D	18 Nov 2025 20:29		SY/MD	Ok,M
22	Q3651-02	SV2	VL043223.D	18 Nov 2025 21:01		SY/MD	Ok,M
23	Q3651-05	SV3	VL043224.D	18 Nov 2025 21:33		SY/MD	Ok,M
24	Q3650-01	SV1	VL043225.D	18 Nov 2025 22:05		SY/MD	Ok,M
25	Q3650-02	SV2	VL043226.D	18 Nov 2025 22:37		SY/MD	Ok,M
26	Q3651-03DL	IA1DL	VL043227.D	18 Nov 2025 23:09		SY/MD	Ok,M
27	Q3651-03DL	IA1DL	VL043228.D	18 Nov 2025 23:41	Not Required	SY/MD	Not Ok
28	Q3651-04DL	IA2DL	VL043229.D	19 Nov 2025 00:13		SY/MD	Ok,M
29	Q3651-06DL	IA3DL	VL043230.D	19 Nov 2025 00:44		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL112425

Review By	Semsettin Yesilyurt	Review On	11/25/2025 7:23:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/25/2025 8:00:09 AM		
SubDirectory	VL112425	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2691			
Initial Calibration Stds		AP2694,AP2695,AP2696			
CCC		AP2694			
Internal Standard/PEM		AP2691			
ICV/I.BLK		AP2697			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL043277.D	24 Nov 2025 08:53		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL043278.D	24 Nov 2025 12:27		SY/MD	Ok,M
3	VL1124ABL01	VL1124ABL01	VL043279.D	24 Nov 2025 13:11		SY/MD	Ok
4	VL1124ABS01	VL1124ABS01	VL043280.D	24 Nov 2025 13:52		SY/MD	Ok,M
5	Q3696-02	IA1	VL043281.D	24 Nov 2025 14:26		SY/MD	Ok,M
6	Q3696-02DUP	IA1DUP	VL043282.D	24 Nov 2025 15:00		SY/MD	Ok,M
7	Q3696-04	IA2	VL043283.D	24 Nov 2025 15:35		SY/MD	Ok,M
8	Q3696-06	IA3	VL043284.D	24 Nov 2025 16:09		SY/MD	Ok,M
9	Q3696-07	OA1	VL043285.D	24 Nov 2025 16:43		SY/MD	Ok,M
10	Q3696-01	SV1	VL043286.D	24 Nov 2025 17:15		SY/MD	Ok,M
11	Q3696-03	SV2	VL043287.D	24 Nov 2025 17:47		SY/MD	Ok,M
12	Q3696-05	SV3	VL043288.D	24 Nov 2025 18:20		SY/MD	Ok,M
13	Q3696-01DL	SV1DL	VL043289.D	24 Nov 2025 20:07	Not Required	SY/MD	Not Ok
14	QC112425 CAN 10315	QC112425 CAN 10315	VL043290.D	25 Nov 2025 08:21		SY/MD	Ok

M : Manual Integration

Client Contact Information				Bottle Order ID : B2511028				Courier : F Galdun				<u>1</u> of <u>7</u> COCs					
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis		Matrix			
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
Site Details: 90-73 SURPHIN BLVD, JAMAICA, NY																	
City : Lake Hiawatha				Analysis Turnaround Time 7 DAY				Data Package Type : RESULTS ONLY									
State : NJ				Standard : 10 business days OR				EDD Type : PDF									
Zip Code : 07034				Rush (Specify): 7 Days													
Country :																	
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
SVI	11/19/25	10:19	12:19	21.5	3.5	55	55	-30	-4.7	10617	10329	6 L	50	VL043135.D	1		1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY THOSE ANALYTES ON THE ATTACHED LIST Please follow the instructions on the back of this COC.							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium <u>Low</u> PID Readings <u>0.0</u>																	
Sampling site (State):																	
Quick Connector required : <u>No</u>																	
Canisters Shipped by:				Date/Time: <u>11/14/25</u>				Canisters Received by: <u>CR</u>				Date/Time: <u>11/20/25 12:07</u>				B2511028 - 4	
Samples Relinquished by:				Date/Time: <u>11/20/25</u>				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Client Contact Information				Bottle Order ID : B2511028				Courier : <u>FGaldun</u>				<u>2</u> of <u>7</u> COCs					
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : <u>Frank Galdun</u>				Analysis		Matrix			
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: <u>90-73 SURFING BLVD JAMAICA, NY</u>													
Analysis Turnaround Time : <u>7</u>				Standard : <u>10 business days</u> OR				Data Package Type : <u>RESULTS ONLY</u>									
Rush (Specify): <u>7</u> Days				EDD Type : <u>PDF</u>													
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	<u>TO-15</u>	<u>Indoor/Ambient Air</u>	<u>Soil Gas</u>
<u>IA1</u>	<u>11/14/25</u>	<u>10:20</u>	<u>12:20</u>	<u>30</u>	<u>5.5</u>	<u>55</u>	<u>55</u>	<u>-29</u>	<u>-4.3</u>	<u>10479</u>	<u>10598</u>	<u>6 L</u>	<u>50</u>	<u>VL043135.D</u>	<u>1</u>	<u>1</u>	
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) <u>Sid</u>							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. <u>REPORT ONLY. THOSE ANALYTES ON THE ATTACHED LIST</u> Please follow the instructions on the back of this COC.							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Special Instructions/QC Requirements & Comments :																	
Suspected Contamination: High Medium <u>Low</u> PID Readings <u>0.0</u>																	
Sampling site (State):																	
Quick Connector required : <u>No</u>																	
Canisters Shipped by: <u>SAM</u>				Date/Time: <u>11/14/25</u>				Canisters Received by: <u>cl</u>				Date/Time: <u>11/20/25 1207</u>				B2511028 - 8	
Samples Relinquished by: <u>Frank</u>				Date/Time: <u>11/20/25</u>				Received by:				Date/Time:					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Client Contact Information				Bottle Order ID : B2511028				Courier : <u>FGALDUN</u>				<u>3</u> of <u>7</u> COCs																
Client ID : GFEL01 Project ID : All Projects				Sampler Name(s) : <u>FRANK GALDUN</u>				Analysis				Matrix																
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																				
				Phone Number : 646-542-3465																								
				Fax Number : 973-334-1692																								
City : Lake Hiawatha				Site Details: <u>90-73 SUTHERIN BLD.</u> <u>JAMAICA, NJ</u>																								
State : NJ				Analysis Turnaround Time <u>7</u>																								
Zip Code : 07034				Standard : 10 business days OR				Data Package Type : <u>RESULTS ONLY</u>																				
Country :				Rush (Specify): <u>7</u> Days				EDD Type : <u>PDE</u>																				
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas												
<u>SU2</u>	<u>11/18/25</u>	<u>10:44</u>	<u>12:44</u>	<u>OVER 30</u>	<u>9.9</u>	<u>55</u>	<u>55</u>	<u>-29</u>	<u>-5.5</u>	<u>10226</u>	<u>10439</u>	<u>6 L</u>	<u>50</u>	<u>VL043135.D</u>		<u>1</u>												
Temperature (Fahrenheit) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start				Stop				GC/MS Analyst Signature (TO-15) <u>[Signature]</u>						
	Ambient	Maximum	Minimum																									
Start																												
Stop																												
Pressure (Inches of Hg) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start				Stop				** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY THOSE ANALYTICS ON THE ATTACHED LIST Please follow the instructions on the back of this COC.						
	Ambient	Maximum	Minimum																									
Start																												
Stop																												
Special Instructions/QC Requirements & Comments :																												
Suspected Contamination: High Medium <u>Low</u> PID Readings: <u>0.0</u>																												
Sampling site (State):																												
Quick Connector required : <u>NO</u>																												
Canisters Shipped by: <u>SGM</u>				Date/Time: <u>11/14/25</u>				Canisters Received by: <u>ch</u>				Date/Time: <u>11/20/25 12:07</u>																
Samples Relinquished by: <u>FRANK</u>				Date/Time: <u>11/20/25</u>				Received by:				Date/Time:																
Relinquished by:				Date/Time:				Received by:				Date/Time:																

Client Contact Information				Bottle Order ID : B2511028				Courier : <u>FGALDUN</u>				<u>4</u> of <u>7</u> COCs			
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : <u>FRANK GALDUN</u>				Analysis		Matrix	
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified							
				Phone Number : 646-542-3465											
				Fax Number : 973-334-1692											
				Site Details: <u>90-73 SUTPHAIN BVD. JAMAICA, NY</u>											
City : Lake Hiawatha				Analysis Turnaround Time <u>7 DAY</u>				Data Package Type : <u>RESULTS ONLY</u>							
State : NJ				Standard : 10 business days OR											
Zip Code : 07034				Rush (Specify): <u>7</u> Days				EDD Type : <u>PDF</u>							
Country :															

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
<u>IAZ</u>	<u>11/19/25</u>	<u>10:42</u>	<u>12:42</u>	<u>6</u>	<u>55</u>	<u>55</u>	<u>-30</u>	<u>-5.1</u>	<u>10218</u>	<u>10445</u>	<u>6 L</u>	<u>50</u>	<u>VL043135.D</u>	<u>7</u>	<u>1</u>	<u>1</u>

Temperature (Fahrenheit)					GC/MS Analyst Signature (TO-15)
	Ambient	Maximum	Minimum		
Start					
Stop					

Pressure (Inches of Hg)					** Submittal of this COC indicates approval of the analysis based on existing conditions. <u>REPORT ONLY THOSE ANALYTES ON THE ATTACHED LIST</u> Please follow the instructions on the back of this COC.
	Ambient	Maximum	Minimum		
Start					
Stop					

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : <u>No</u>			
Canisters Shipped by: <u>Sam</u>	Date/Time: <u>11/14/25</u>	Canisters Received by: <u>CR</u>	Date/Time: <u>11/20/25 (12:07)</u>
Samples Relinquished by: <u>Sam</u>	Date/Time: <u>11/20/25</u>	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

Client Contact Information				Bottle Order ID : B2511028				Courier : FGALDUN				5 of 7 COCs				
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis		Matrix		
Customer Name : GFE LLC Address : 58 Nokomis Ave				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified								
				Phone Number : 646-542-3465												
				Fax Number : 973-334-1692												
				Site Details: 90-73 SUTPH IN BLVD JAMAICA NY												
City : Lake Hiawatha				Analysis Turnaround Time 7 DAY				Data Package Type : RESULTS ONLY								
State : NJ				Standard : 10 Business days OR												
Zip Code : 07034				Rush (Specify): 7 Days				EDD Type : PDF								
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air Soil Gas
SV3	11/18/25	10:57	12:57	30	5.5	5.5	5.5	-29.5	-5.5	10585	10334	6 L	50	VL043135.D		
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) SG						
		Ambient	Maximum	Minimum												
Start																
Stop																
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY THOSE ANALYTES ON THE ATTACHED LIST Please follow the instructions on the back of this COC.						
		Ambient	Maximum	Minimum												
Start																
Stop																
Special Instructions/QC Requirements & Comments :																
Suspected Contamination: High Medium Low PID Readings:																
Sampling site (State):																
Quick Connector required : No																
Canisters Shipped by: FRANK				Date/Time: 11/14/25				Canisters Received by: CP				Date/Time: 11/20/25 207				B2511028 - 5
Samples Relinquished by: FRANK				Date/Time: 11/20/25				Received by:				Date/Time:				
Relinquished by:				Date/Time:				Received by:				Date/Time:				

Client Contact Information				Bottle Order ID : B2511028				Courier : F Galdun				<u>6</u> of <u>7</u> COCs																	
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : FRANK GALDUN				Analysis		Matrix															
Customer Name : GFE LLC Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified																					
				Phone Number : 646-542-3465																									
				Fax Number : 973-334-1692																									
				Site Details: 90-73 SUTRAIN BLVD Jamaica, NY																									
				Analysis Turnaround Time 7 DAY				Data Package Type : RESULTS ONLY																					
				Standard : 10 business days OR				EDD Type : PDE																					
Rush (Specify): <u> 7 </u> Days																													
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	<u>TO-15</u>	Indoor Ambient Air	Soil Gas												
IA3	11/19/25							-30	-2.2	10547	10053	6 L	50	VL043135.D	1	1													
Temperature (Fahrenheit) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start				Stop				GC/MS Analyst Signature (TO-15) 							
	Ambient	Maximum	Minimum																										
Start																													
Stop																													
Pressure (Inches of Hg) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>											Ambient	Maximum	Minimum	Start				Stop				** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.							
	Ambient	Maximum	Minimum																										
Start																													
Stop																													
Special Instructions/QC Requirements & Comments :																													
Suspected Contamination: High Medium Low PID Readings:																													
Sampling site (State):																													
Quick Connector required : No																													
Canisters Shipped by: Sam				Date/Time: 11/14/24				Canisters Received by:				Date/Time: 11/20/25 1207				B2511028 - 1													
Samples Relinquished by:				Date/Time:				Received by:				Date/Time:																	
Relinquished by:				Date/Time:				Received by:				Date/Time:																	

Client Contact Information				Bottle Order ID : B2511028				Courier : F Galdun				<u>2</u> of <u>7</u> COCs				
Client ID : GFEL01				Project ID : All Projects				Sampler Name(s) : FRANK Galdun				Analysis		Matrix		
Customer GFE LLC Name : Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified								
				Phone Number : 646-542-3465												
				Fax Number : 973-334-1692												
				Site Details: 90-73 Sutphin Blvd. Jamaica, NY												
Analysis Turnaround Time 7 DAY				Standard : 10-business days OR				Data Package Type : RESULTS ONLY								
Rush (Specify): 7 Days				EDD Type : PDE												
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambient Air	Soil Gas
OA1	11/19/25	10:25	12:25	30	0	55	55	-30	-2.2	10625	10602	6 L	50	VL043135.D	1	1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]						
		Ambient	Maximum	Minimum												
Start																
Stop																
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY THOSE ANALYTES ON THE ATTACHED LIST Please follow the instructions on the back of this COC.						
		Ambient	Maximum	Minimum												
Start																
Stop																
Special Instructions/QC Requirements & Comments :																
Suspected Contamination: High Medium Low PID Readings:																
Sampling site (State):																
Quick Connector required : No																
Canisters Shipped by: [Signature]				Date/Time: 11/19/25				Canisters Received by: [Signature]				Date/Time: 11/20/25 1207				
Samples Relinquished by: [Signature]				Date/Time: 11/20/25				Received by:				Date/Time:				
Relinquished by:				Date/Time:				Received by:				Date/Time:				

REQUESTED ANALYTE LIST:

PCE

TCE

cis-1,2-DCE

1,1,1-TCA

1,1-DCE

Vinyl chloride

Benzene

Toluene

Ethylbenzene

Naphthalene

Cyclohexane

2,2,4-Trimethylpentane

1,2,4-Trimethylbenzene

1,3,5-Trimethylbenzene

o-xylene

m,p-xylene

Heptane

Hexane

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample

Laboratory: Chemtech

Location: 284 Sheffield Street, Mountainside, NJ 7092

~~QA/QC~~:

Title: Sample Custodian

Field Sample Seal No. Q3696

Date Broken: 11/13/2025

Military Time Seal Broken: 12:07:00

Case No.: 90-73 Sutphin Blvd Jamaica

Analytical Parameter/Fraction: MOCMS Group2

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q3696-01	SV1		
Q3696-02	IA1		
Q3696-03	SV2		
Q3696-04	IA2		
Q3696-05	SV3		
Q3696-06	IA3		
Q3696-07	OA1		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
11/20	1410	Signature:  Printed Name: GREGORY	Signature:  Printed Name: SCOTT GREGORY	
		Signature Printed Name	Signature Printed Name	
		Signature Printed Name	Signature Printed Name	
		Signature Printed Name	Signature Printed Name	
		Signature Printed Name	Signature Printed Name	
		Signature Printed Name	Signature Printed Name	
		Signature Printed Name	Signature Printed Name	
		Signature Printed Name	Signature Printed Name	
		Signature Printed Name	Signature Printed Name	
		Signature Printed Name	Signature Printed Name	

Distribution: White - Original (Sent With Report) Yellow - Contractor Archive Pink - Sample Custodian - Interim Copy

AIR SAMPLE PRESSURE & DILUTION LOGBOOKAnalyst Signature: Supervisor Signature: 

METHOD: TO-15

Pressure Gauge ID: A7 55971

Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
11/11/05	Q3650-04	10275	13.0	-3.5				sq
11/14/05	Q3650-05	10198	12.2	-5.1				
	Q3650-06	10197	12.8	-3.9				
	Q3651-01	10281	12.0	-5.5				
	Q3651-02	10606	12.8	-3.9				
	Q3651-03	10331	12.6	-4.3				
	Q3651-04	10320	12.4	-4.7				
	Q3651-05	10315	12.8	-3.9				
	Q3651-06	10280	12.8	-3.9				
11/11/05	Q3655-01	10669	9.8	-10.0				sq
	Q3655-02	10795	9.2	-11.2				
	Q3655-03	10800	10.0	-9.6				
	Q3655-04	10656	9.4	-10.8				
	Q3655-05	10120	9.6	-10.4				
	Q3655-06	10679	9.8	-10.0				
11/20/05	Q3626-12	10473	1.0		30.0		30x	sq
11/20/05	Q3696-01	10329	12.4	-4.7				sq
	Q3696-02	10598	12.6	-4.3				
	Q3696-03	10439	12.0	-5.5				
	Q3696-04	10445	12.2	-5.1				
	Q3696-05	10334	12.0	-5.5				↑

Supervisor Signature: [Signature]

Pressure Gauge ID: A255971

Page 42

Order ID : Q3696

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
11/21/2025	B2511028	Q3696-01	-4.7	10329	6 L	10617		C2510004	VL043135.D Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D
11/21/2025	B2511028	Q3696-05	-5.5	10334	6 L	10585		C2510004	VL043135.D Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D
11/21/2025	B2511028	Q3696-04	-5.1	10445	6 L	10218		C2510004	VL043135.D Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D
11/21/2025	B2511028	Q3696-07	-2.2	10602	6 L	10625		C2510004	VL043135.D Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D
11/21/2025	B2511028	Q3696-02	-4.3	10598	6 L	10479		C2510004	VL043135.D Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D
11/21/2025	B2511028	Q3696-03	-5.5	10439	6 L	10226		C2510004	VL043135.D Seq :VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D

Order ID : Q3696

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
11/21/2025	B2511028	Q3696-06	-2.2	10053	6 L	10547		C2510004	VL043135.D Seq : VL101725 TUNE : VL043130.D ICAL : VL043110.D CCAL : VL043131.D MB : VL043132.D

10334

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

CHEMTECH

Client Sample ID #: SV3

Client Name: GFE

Project Name: SUTPHIN

Date: 11/19

Analysis: TO-15

Comments: _____

CHEMTECH'S SAMPLE ID: _____

Date Received: _____

Expiration Date: _____

Time: _____

22811025

Storage Location: VOA Lab
Sample: Q3696-05
Cust #: SV3

0445

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CHEMTECH

Client Sample ID #: IA2

Client Name: GFE

Project Name: SUTPHIN

Date: 11/19

Analysis: TO-15

Comments: _____

CHEMTECH'S SAMPLE ID: _____

Date Received: _____

Expiration Date: _____

Time: _____

22811028

Storage Location: VOA Lab
Sample: Q3696-04
Cust #: IA2

22

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CHEMTECH

Client Sample ID #: IA3

Client Name: GFE

Project Name: SUTPHIN

Date: 11/19

Analysis: TO-15

Comments: _____

CHEMTECH'S SAMPLE ID: _____

Date Received: _____

Expiration Date: _____

Time: _____

22811028

Storage Location: VOA Lab
Sample: Q3696-06
Cust #: IA3

25001

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 P. (908) 789-81

Client Sample ID #:

OA1

Client Name:

CPE

Project Name:

SUTRAIN

Date:

11/19

Time:

Analysis:

10-15

Comments:

CHEMTECH'S SAMPLE ID:

Date Received:

Expiration Date:

Date

Storage Location: VOA Lab

Sample: Q3696-07

Cust #: OA1

B2511028

922