



SHIPPING DOCUMENTS

Client Contact Information				Bottle Order ID : B2511059				Courier : FRANK GILDUN				1 of 3 COCs				
Client ID : GFEL01 Project ID : 119 Fulton Ave				Sampler Name(s) : FRANK GILDUN				Analysis				Matrix				
Customer : GFE LLC Name : Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : FRANK GILDUN				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified								
				Phone Number : 646-542-3465												
				Fax Number : 973-334-1692												
				Site Details: 339 FLATBUSH AVE. BROOKLYN, NY												
Analysis Turnaround Time 7 DAY				Standard : 10 business days OR				Data Package Type : RESULTS ONLY								
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
SU1	12/4/25	8:19	10:19	30	35	65	65	-30	-4.7	10625	10492	6 L	50	VL043259.D	1	1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) <i>[Signature]</i>						
		Ambient	Maximum	Minimum												
Start																
Stop																
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY: PCE, TCE, cis-1,2-DCE, 1,1-DCE, 1,1,1-TCA, VINYL CHLORIDE 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: 12/01/25				Canisters Received by:				Date/Time:				
Samples Relinquished by: <i>[Signature]</i>				Date/Time: 12/4/25				Received by: <i>[Signature]</i>				Date/Time: 12-4-25 1400				
Relinquished by: <i>[Signature]</i>				Date/Time: 12-4-25 1430				Received by: <i>[Signature]</i>				Date/Time:				

Client Contact Information				Bottle Order ID : B2511059				Courier FGALDUN				<u>2</u> of <u>3</u> COCs				
Client ID : GFEL01 Project ID : 339 Flatbush Ave				Sampler Name(s) FRANK GALDUN				Analysis				Matrix				
Customer GFE LLC Name : Address : 58 Nokomis Ave				Project Manager : FRANK GALDUN				AIR ANALYSIS CHAIN-OF-CUSTODY Individual Certified								
				Phone Number : 646-542-3465												
				Fax Number : 973-334-1692												
				Site Details: 339 FLATBUSH AVE BROOKLYN, NY												
City : Lake Hiawatha				Analysis Turnaround Time 7 DAY												
State : NJ				Standard : 10 business days OR				Data Package Type : RESULTS ONLY								
Zip Code : 07034				Rush (Specify): 7 Days				EDD Type : FDE								
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
IAI	12/4/25	8:11	10:11	30	4	65	65	-30	-5.5	10502	10588	6 L	50	VL043259.D	1	1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) Sut						
		Ambient	Maximum	Minimum												
Start																
Stop																
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY: PCE, TCE, cis-1,2-DCE, 1,1-DCE, 1,1,1-TCA VINYL CHLORIDE 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: 0.0																
Sampling site (State):																
Quick Connector required : No																
Canisters Shipped by: Sut				Date/Time: 12/6/25				Canisters Received by: [Signature]				Date/Time:				
Samples Relinquished by: [Signature]				Date/Time: 12/4/25				Received by: [Signature]				Date/Time: 12-4-25 1400				
Relinquished by: [Signature]				Date/Time: 12-4-25 1430				Received by: [Signature]				Date/Time:				
B2511059 - 7																

Client Contact Information				Bottle Order ID : B2511059				Courier : FGALDUN				5 of 3 COCs					
Client ID : GFEL01 Project ID : 118-Edison Ave				Sampler Name(s) FRANK GILDUN				Analysis				Matrix					
Customer GFE LLC Name : Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : FRANK GILDUN				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: 339 Flatbush Ave Brooklyn, NY													
Analysis Turnaround Time 7 DAY				Standard : 15 Business Days OR				Data Package Type : RESULTS ONLY									
Rush (Specify): 7 Days				EDD Type : PAP													
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
0A1	12/12/18	8:09	10:09	30	4	/	/	-30	-3.5	10226	10609	6 L	50	VL043134.D	1		
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 							
		Ambient	Maximum	Minimum													
Start		34															
Stop		30															
Pressure (Inches of Hg)										** 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: 0.0 Sampling site (State):																	
Quick Connector required : No																	
Canisters Shipped by: SAM				Date/Time: 12/10/18				Canisters Received by: [Signature]				Date/Time: 12-4-25 1400				B2511059 - 8	
Samples Relinquished by: FRANK				Date/Time: 12/11/18				Received by: [Signature]				Date/Time:					
Relinquished by: [Signature]				Date/Time: 12-11-25 1400				Received by:				Date/Time:					

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

QA/QC:

Title: Sample Custodian

Field Sample Seal No.: Q3798

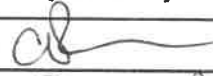
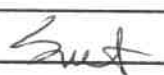
Date Broken: 12/4/2025

Military Time Seal Broken: 14:30:00

Case No.: 339 Flatbush Ave Brooklyn

Analytical Parameter/Fraction: OCMS Group2

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q3798-01	SV1		
Q3798-02	IA1		
Q3798-03	OA1		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
12/5/25	14:00	Signature 	Signature 	
		Printed Name <u>Cassandra Lee</u>	Printed Name <u>Sample Custodian, York</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:	Q3798	OrderDate:	12/5/2025 12:44:00 PM
Client:	GFE LLC	Project:	339 Flatbush Ave Brooklyn NY
Contact:	Frank Galdun	Location:	Air Lab,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3798-01	SV1	Air	VOCMS Group2	TO-15	12/04/25		12/09/25	12/04/25
Q3798-02	IA1	Air	VOCMS Group2	TO-15	12/04/25		12/08/25	12/04/25
Q3798-03	OA1	Air	VOCMS Group2	TO-15	12/04/25		12/08/25	12/04/25



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

Hit Summary Sheet
SW-846

SDG No.: Q3798
Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q3798-01	SV1 SV1	Air	Tetrachloroethene	1.49		0.41	0.81	ug/m3
			Total Voc :	1.49				
			Total Concentration:	1.49				



QC SUMMARY

Surrogate Summary

SDG No.: Q3798

Client: GFE LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3798-01	SV1	1-Bromo-4-Fluorobenzene	10	10.3	103		65	135
Q3798-02	IA1	1-Bromo-4-Fluorobenzene	10	10.1	101		65	135
Q3798-03	OA1	1-Bromo-4-Fluorobenzene	10	9.88	99		65	135
Q3799-01DUP	AA-1DUP	1-Bromo-4-Fluorobenzene	10	9.82	98		65	135
VL1208ABL01	VL1208ABL01	1-Bromo-4-Fluorobenzene	10	9.05	91		65	135
VL1208ABS01	VL1208ABS01	1-Bromo-4-Fluorobenzene	10	10.1	101		65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3798</u>	Analytical Method:	<u>SWTO-15</u>
Client:	<u>GFE LLC</u>	Datafile :	<u>VL043307.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL1208ABS01	Vinyl Chloride	10	9.20	ppbv	92			70	130	
	1,1-Dichloroethane	10	10.5	ppbv	105			70	130	
	cis-1,2-Dichloroethene	10	9.90	ppbv	99			70	130	
	1,1,1-Trichloroethane	10	10.9	ppbv	109			70	130	
	Trichloroethene	10	11.5	ppbv	115			70	130	
	Tetrachloroethene	10	11.1	ppbv	111			70	130	

Duplicate Sample Summary

Lab Sample Id :	Q3799-01DUP	Q3799-01
Client Id :	AA-1DUP	AA-1
DF :	1	1
Datafile :	VL043311.D	VL043310.D
Anal Date & Time :	12/08/2025 13:16	12/08/2025 12:40

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1-Dichloroethane	0	0	0
cis-1,2-Dichloroethene	0	0	0
Tetrachloroethene	0	0	0
Trichloroethene	0	0	0
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

Client ID

AA-1DUP

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3798

Lab File ID: VL043311.D

Lab Sample ID: Q3799-01DUP

Date Analyzed: 12/08/2025

Time Analyzed: 13:16

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
AA-1DUP	Q3799-01DUP	VL043311.D	12/08/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VL1208ABL01

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3798

Lab File ID: VL043306.D

Lab Sample ID: VL1208ABL01

Date Analyzed: 12/08/2025

Time Analyzed: 09:36

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
VL1208ABS01	VL1208ABS01	VL043307.D	12/08/2025
IA1	Q3798-02	VL043320.D	12/08/2025
OA1	Q3798-03	VL043321.D	12/08/2025
SV1	Q3798-01	VL043329.D	12/09/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q3798

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.: Q3798

Lab File ID: VL043304.D

BFB Injection Date: 12/08/2025

Instrument ID: MSVOA_L

BFB Injection Time: 07:56

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	22.8
75	30.0 - 66.0% of mass 95	55.8
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	0.6 (0.9) 1
174	50.0 - 120.0% of mass 95	67.2
175	4.0 - 9.0% of mass 174	5.2 (7.8) 1
176	93.0 - 101.0% of mass 174	63.1 (93.8) 1
177	5.0 - 9.0% of mass 176	4.3 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL043305.D	12/08/2025	08:44
VL1208ABL01	VL1208ABL01	VL043306.D	12/08/2025	09:36
VL1208ABS01	VL1208ABS01	VL043307.D	12/08/2025	10:24
AA-1DUP	Q3799-01DUP	VL043311.D	12/08/2025	13:16
IA1	Q3798-02	VL043320.D	12/08/2025	19:21
OA1	Q3798-03	VL043321.D	12/08/2025	19:56
SV1	Q3798-01	VL043329.D	12/09/2025	00:38

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GFEL01
 Lab Code: ACE SDG NO.: Q3798
 Lab File ID: VL043305.D Date Analyzed: 12/08/2025
 Instrument ID: MSVOA_L Time Analyzed: 08:44
 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	129333	2.78	319801	3.95	246102	8.87
UPPER LIMIT	181066	3.11	447721	4.28	344543	9.20
LOWER LIMIT	77599.8	2.45	191881	3.62	147661	8.54
EPA SAMPLE NO.						
SV1	136060	2.78	343692	3.95	270053	8.87
IA1	131651	2.78	343367	3.95	273285	8.87
OA1	134420	2.78	341367	3.94	271316	8.87
AA-1DUP	155357	2.78	397814	3.95	318793	8.87
VL1208ABL01	125653	2.78	312886	3.95	239807	8.87
VL1208ABS01	128373	2.78	319254	3.95	250711	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>GFEL01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3798</u>
Lab File ID:	<u>VL043305.D</u>	Date Analyzed:	<u>12/08/2025</u>
Instrument ID:	<u>MSVOA_L</u>	Time Analyzed:	<u>08:44</u>
GC Column:	<u>RTX-1</u>	ID:	<u>0.32</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
SV1	0	0.00				
IA1	0	0.00				
OA1	0	0.00				
AA-1DUP	0	0.00				
VL1208ABL01	0	0.00				
VL1208ABS01	0	0.00				

IS4 =

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	Date Collected:	12/04/25
Project:	339 Flatbush Ave Brooklyn NY	Date Received:	12/04/25
Client Sample ID:	SV1	SDG No.:	Q3798
Lab Sample ID:	Q3798-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400 mL		

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	12/09/25 00:38	VL120825
75-34-3	1,1-Dichloroethane	0.52	2.10	U	4	2.10	8.09	12/09/25 00:38	VL120825
156-59-2	cis-1,2-Dichloroethene	0.40	1.59	U	4	1.59	7.93	12/09/25 00:38	VL120825
71-55-6	1,1,1-Trichloroethane	0.060	0.33	U	4	0.33	0.65	12/09/25 00:38	VL120825
79-01-6	Trichloroethene	0.10	0.54	U	4	0.54	0.64	12/09/25 00:38	VL120825
127-18-4	Tetrachloroethene	0.22	1.49		4	0.41	0.81	12/09/25 00:38	VL120825
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	10.3				65 - 135	103% SPK: 10		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	136000							
540-36-3	1,4-Difluorobenzene	344000							
3114-55-4	Chlorobenzene-d5	270000							

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\VL120825\
 Data File : VL043329.D
 Acq On : 09 Dec 2025 00:38
 Operator : SY/MD
 Sample : Q3798-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 01:27:13 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	136060	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	343692	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	270053	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	203754	10.293	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.492	85	2304	0.120	ppbv	89
3) Chlorodifluoromethane	1.470	51	2426m	0.129	ppbv	
9) Propene	1.483	41	6918	0.863	ppbv #	1
13) Ethanol	1.719	45	6121	2.172	ppbv #	38
15) Acetone	1.832	43	22914	1.212	ppbv	98
20) Methylene Chloride	2.059	84	6969	0.506	ppbv	93
29) Chloroform	2.842	83	1292956	50.891	ppbv	95
52) Tetrachloroethene	8.215	164	678m	0.055	ppbv	
53) Toluene	6.917	91	5958m	0.153	ppbv	
59) m/p-Xylene	9.516	91	5263m	0.126	ppbv	
74) 1,2,4-Trimethylbenzene	11.523	105	4924	0.106	ppbv #	47

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

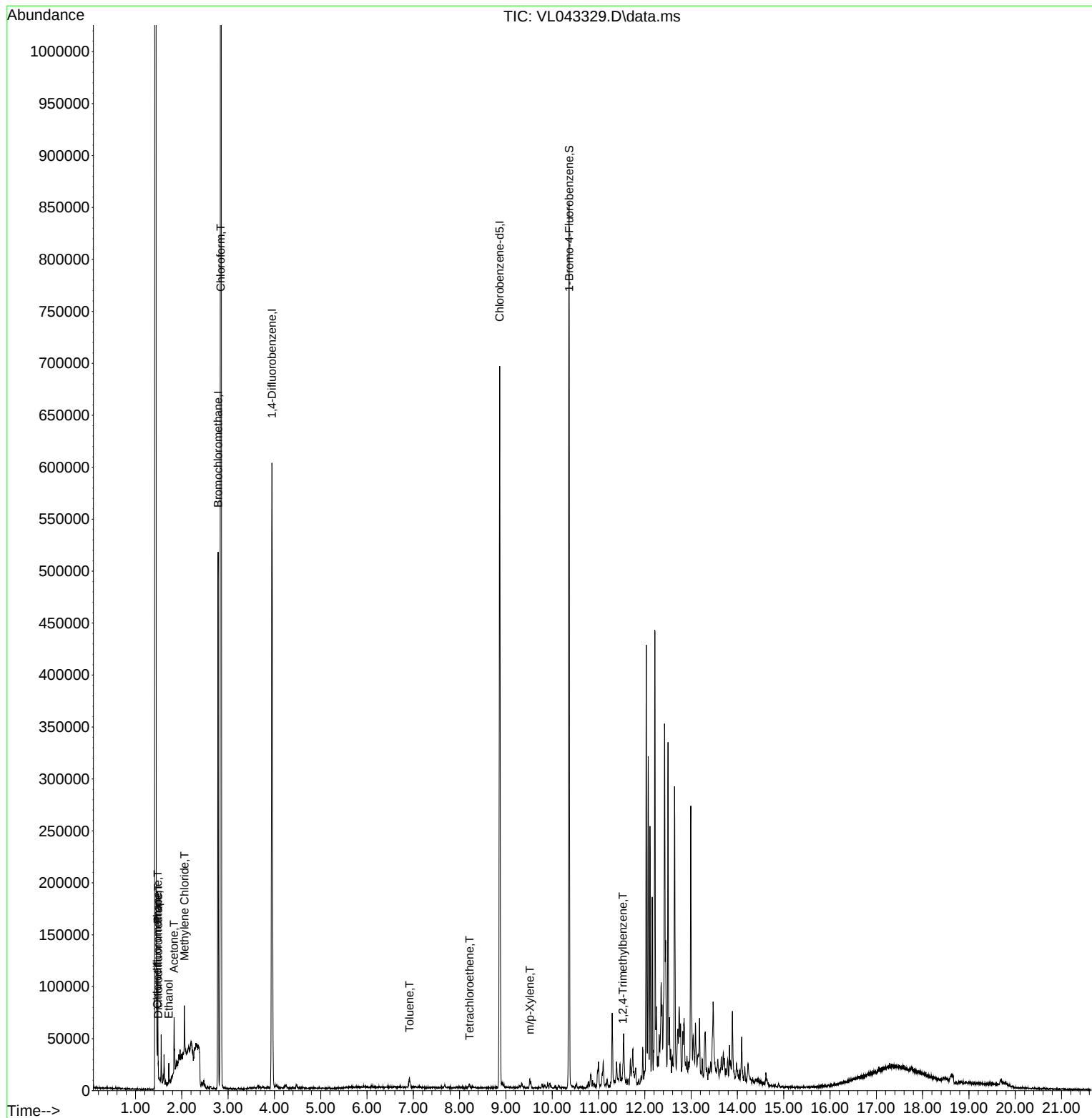
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Data File : VL043329.D
Acq On : 09 Dec 2025 00:38
Operator : SY/MD
Sample : Q3798-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

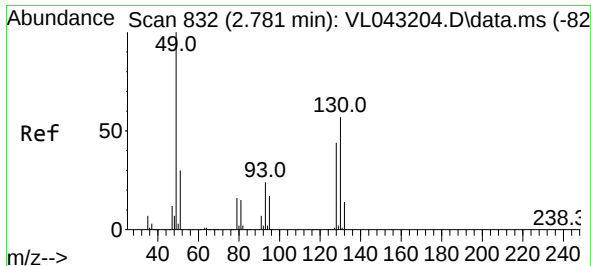
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Dec 09 01:27:13 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

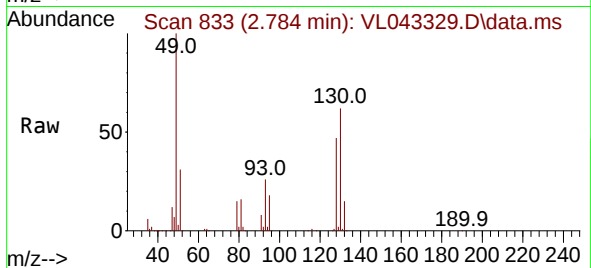
Reviewed By : Semsettin Yesilyurt 12/09/2025
Supervised By : Mahesh Dadoda 12/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 832
Delta R.T. 0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

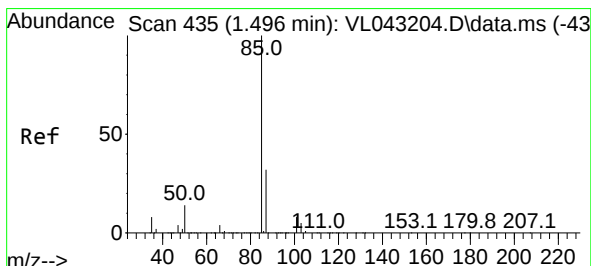
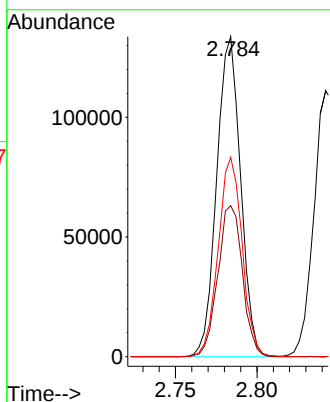
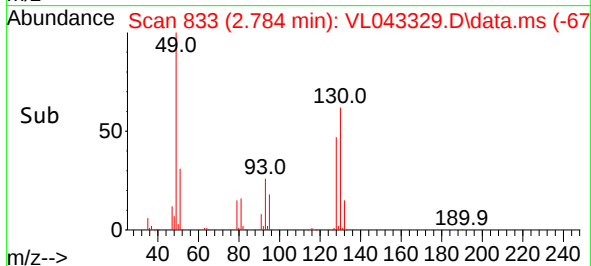
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 136060
Ion Ratio Lower Upper
49 100
128 48.6 23.0 69.0
130 62.3 29.9 89.7

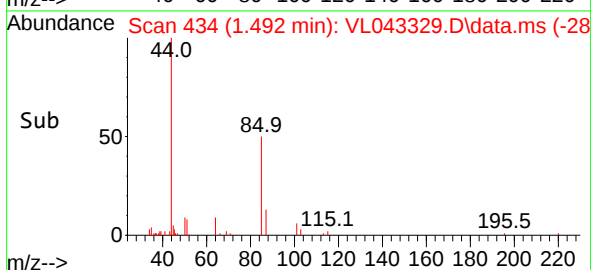
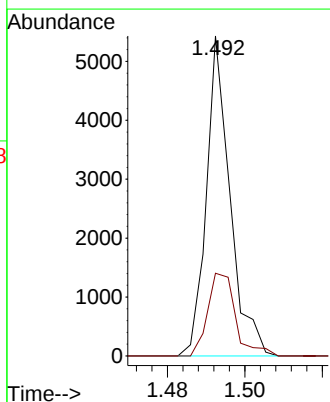
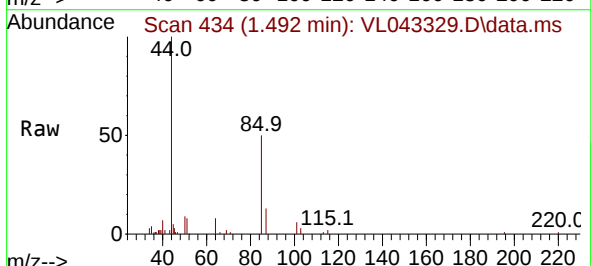
Manual Integrations
APPROVED

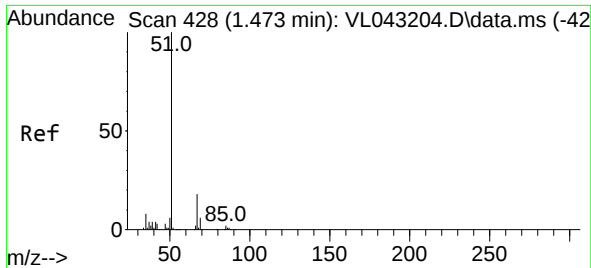
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#2
Dichlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

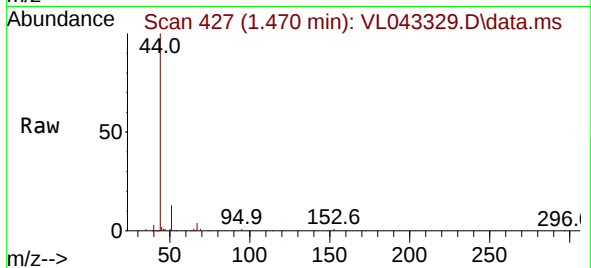
Tgt Ion: 85 Resp: 2304
Ion Ratio Lower Upper
85 100
87 25.8 25.4 38.2





#3
Chlorodifluoromethane
Concen: 0.129 ppbv m
RT: 1.470 min Scan# 428
Delta R.T. -0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

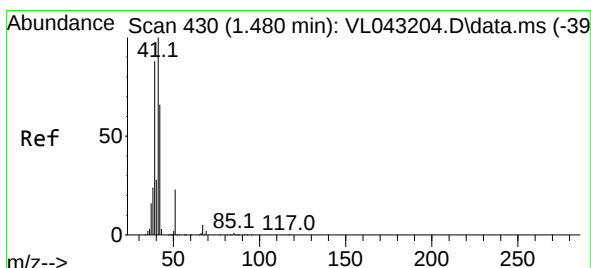
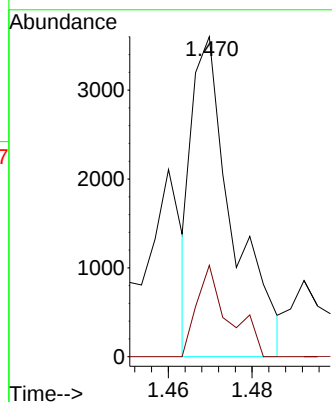
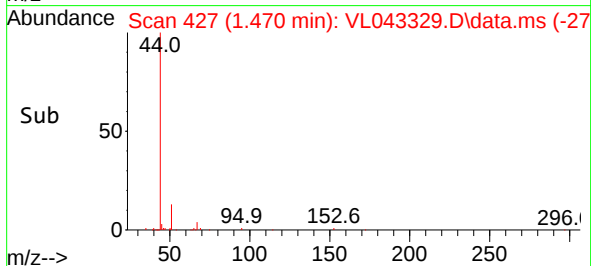
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 51 Resp: 2420
Ion Ratio Lower Upper
51 100
67 3.8 14.9 22.3

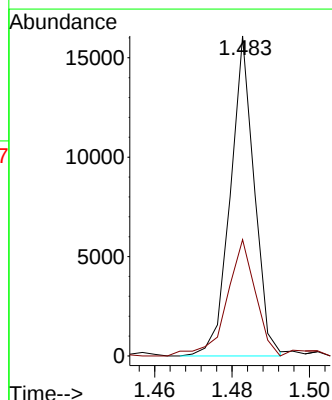
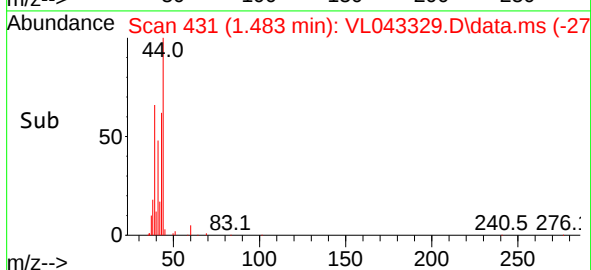
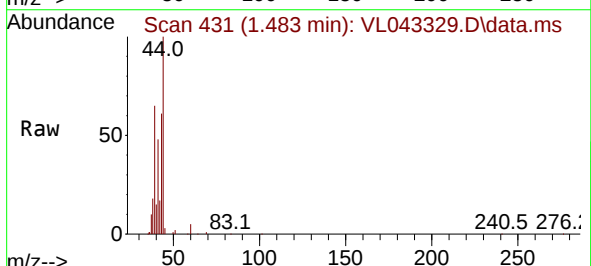
Manual Integrations
APPROVED

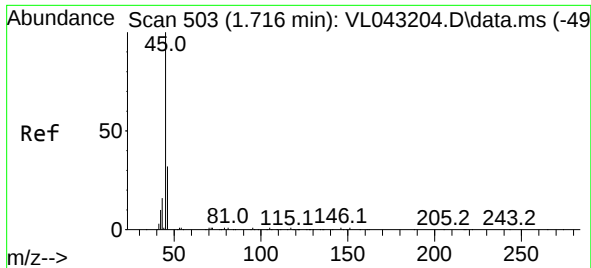
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#9
Propene
Concen: 0.863 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

Tgt Ion: 41 Resp: 6918
Ion Ratio Lower Upper
41 100
42 46.3 3.7 5.5





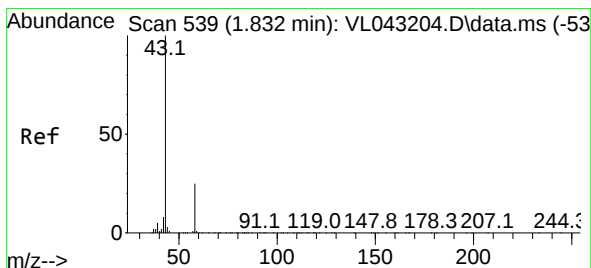
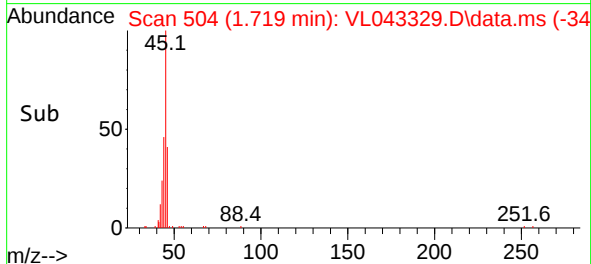
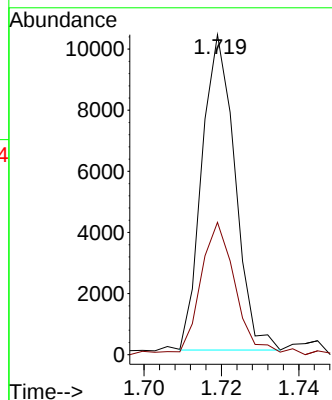
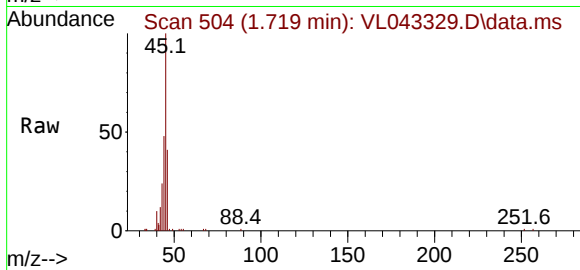
#13
Ethanol
Concen: 2.172 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 612
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8

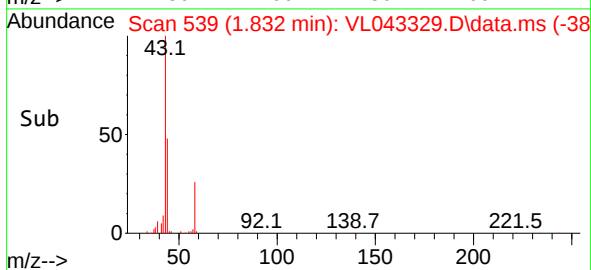
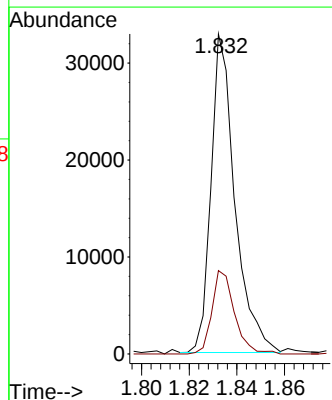
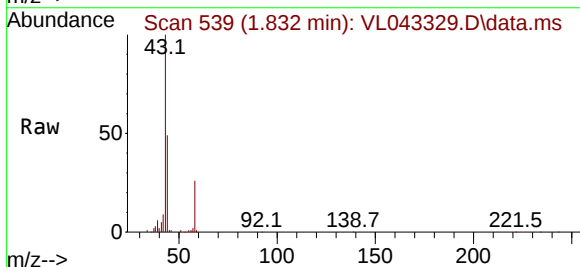
Manual Integrations
APPROVED

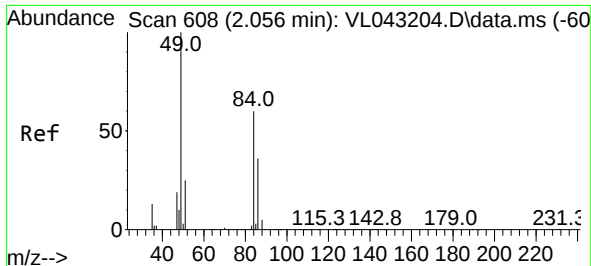
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#15
Acetone
Concen: 1.212 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

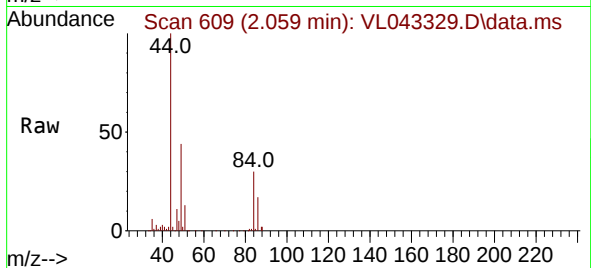
Tgt Ion: 43 Resp: 22914
Ion Ratio Lower Upper
43 100
58 24.7 20.7 31.1





#20
Methylene Chloride
Concen: 0.506 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

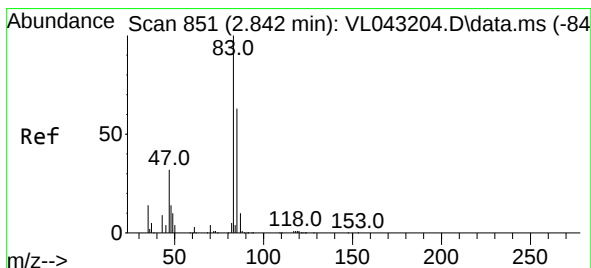
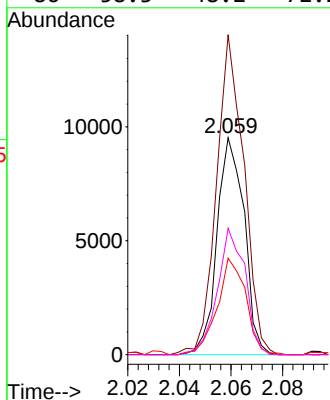
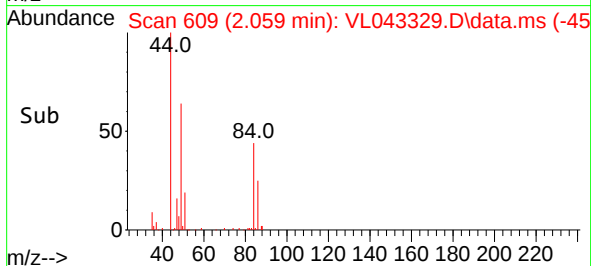
Instrument :
MSVOA_L
Client SampleId :
SV1



Tgt Ion: 84 Resp: 6969
Ion Ratio Lower Upper
84 100
49 153.1 132.9 199.3
51 44.5 34.8 52.2
86 58.3 48.2 72.2

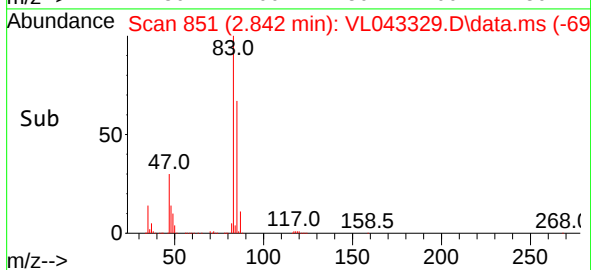
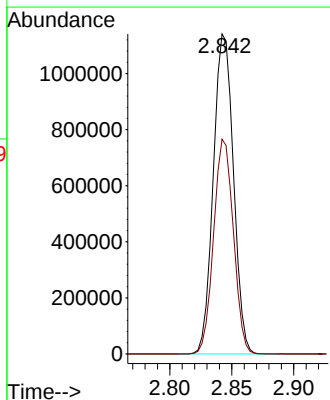
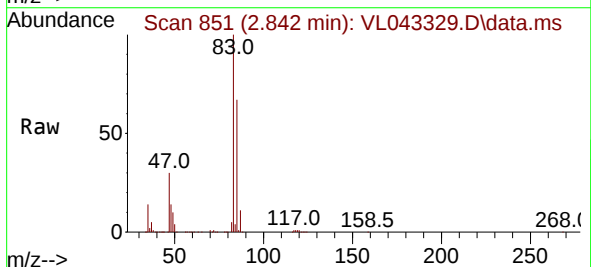
Manual Integrations
APPROVED

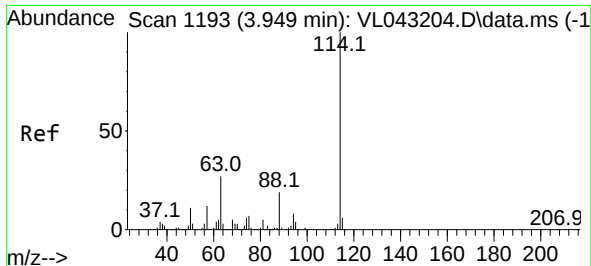
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#29
Chloroform
Concen: 50.891 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.000 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

Tgt Ion: 83 Resp: 1292956
Ion Ratio Lower Upper
83 100
85 67.1 50.5 75.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1193

Delta R.T. -0.003 min

Lab File: VL043329.D

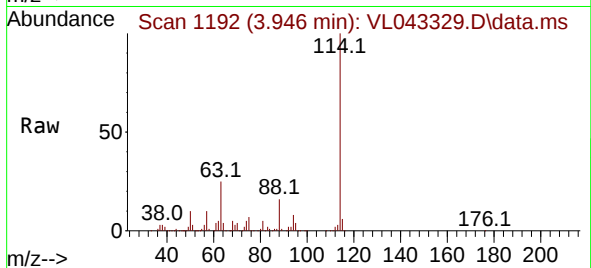
Acq: 09 Dec 2025 00:38

Instrument :

MSVOA_L

ClientSampleId :

SV1



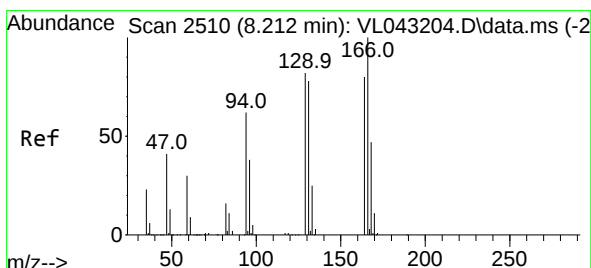
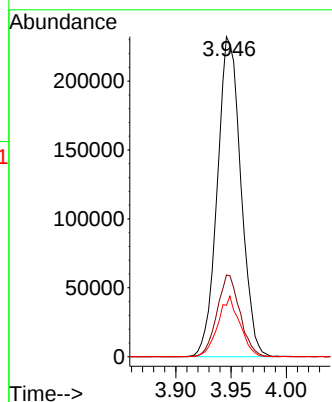
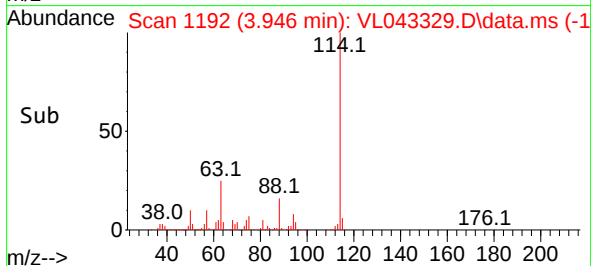
Tgt Ion:114 Resp: 34369

Ion	Ratio	Lower	Upper
114	100		
63	25.0	21.0	31.6
88	17.5	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#52

Tetrachloroethene

Concen: 0.055 ppbv m

RT: 8.215 min Scan# 2511

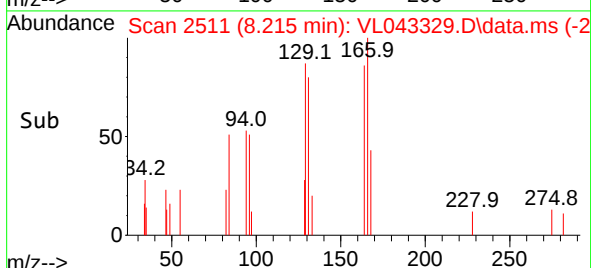
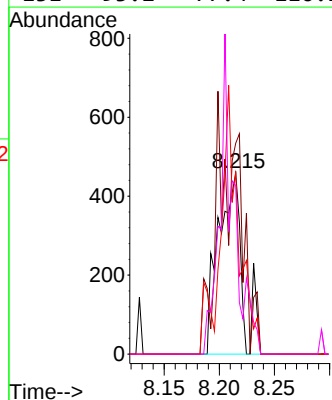
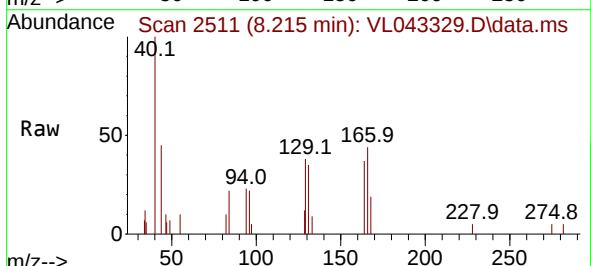
Delta R.T. 0.003 min

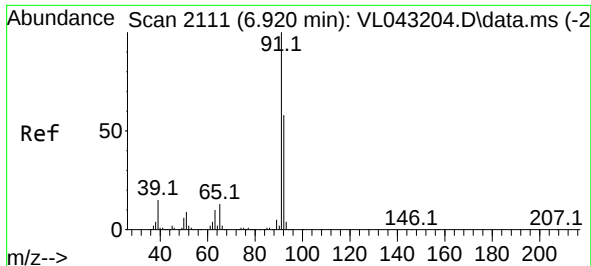
Lab File: VL043329.D

Acq: 09 Dec 2025 00:38

Tgt Ion:164 Resp: 678

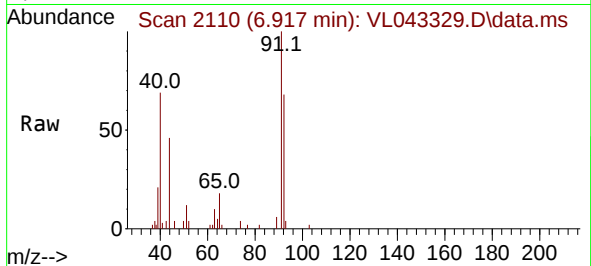
Ion	Ratio	Lower	Upper
164	100		
166	116.6	99.4	149.2
129	101.1	81.8	122.8
131	93.2	77.4	116.2





#53
Toluene
Concen: 0.153 ppbv m
RT: 6.917 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38

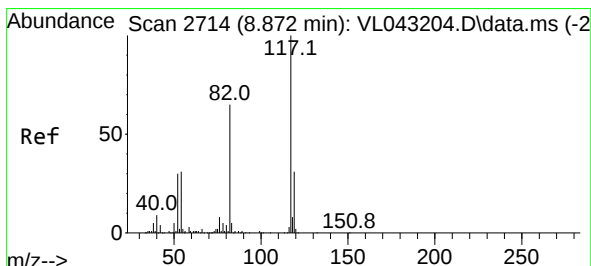
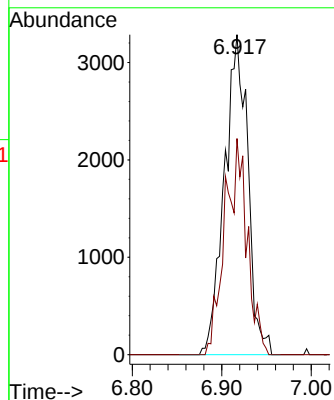
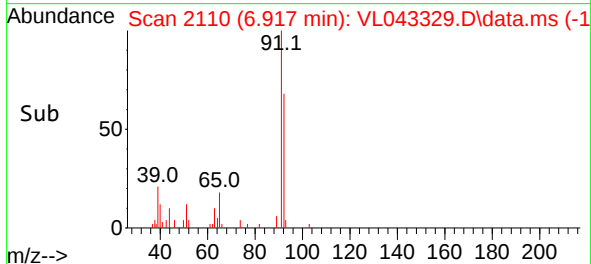
Instrument :
MSVOA_L
ClientSampleId :
SV1



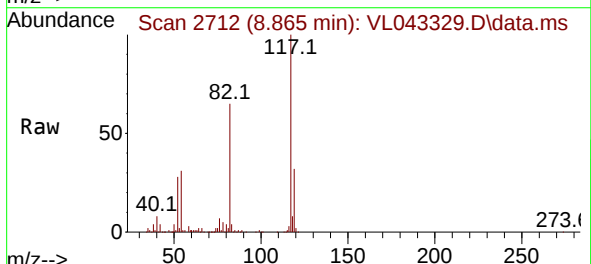
Tgt Ion: 91 Resp: 5958
Ion Ratio Lower Upper
91 100
92 64.5 47.4 71.0

Manual Integrations
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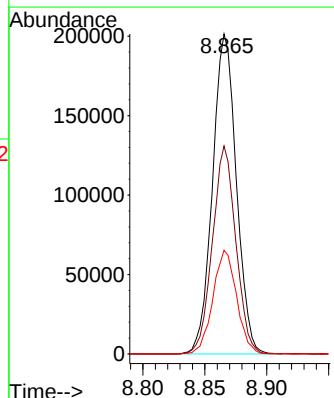
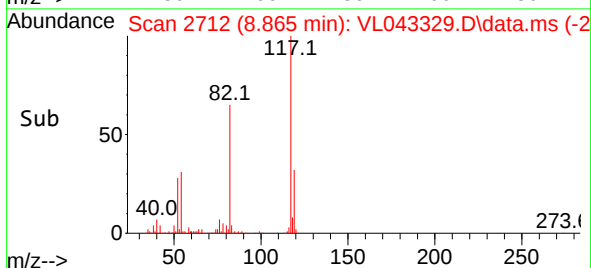
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

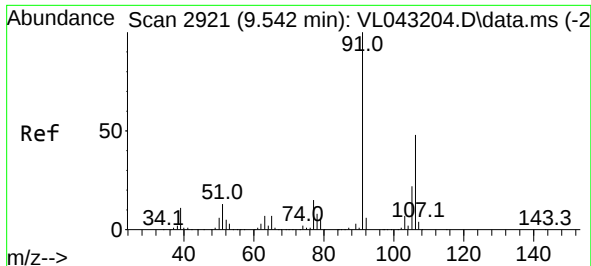


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2712
Delta R.T. -0.007 min
Lab File: VL043329.D
Acq: 09 Dec 2025 00:38



Tgt Ion:117 Resp: 270053
Ion Ratio Lower Upper
117 100
82 63.8 56.1 84.1
119 32.3 25.0 37.6





#59

m/p-Xylene

Concen: 0.126 ppbv m

RT: 9.516 min Scan# 2921

Delta R.T. -0.026 min

Lab File: VL043329.D

Acq: 09 Dec 2025 00:38

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 526

Ion Ratio Lower Upper

91 100

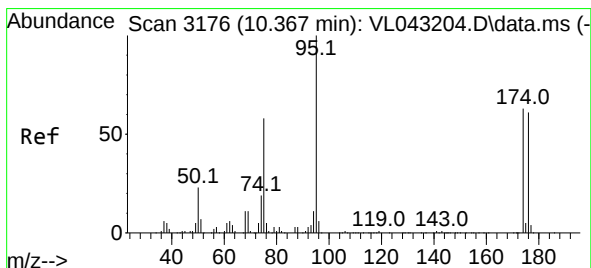
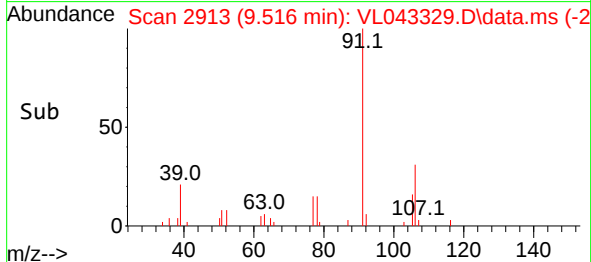
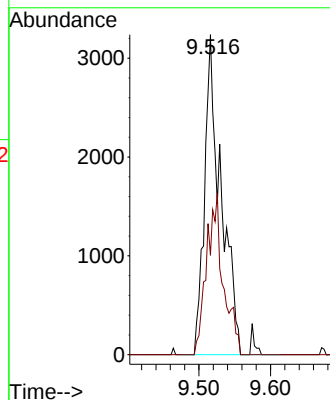
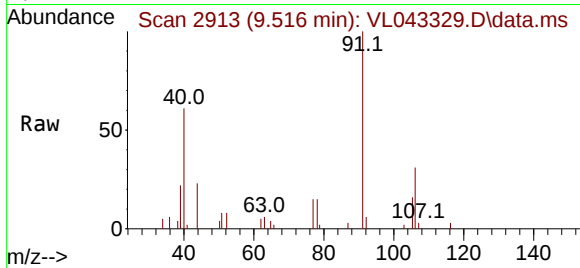
106 0.0 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025

Supervised By :Mahesh Dadoda 12/11/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.293 ppbv

RT: 10.364 min Scan# 3175

Delta R.T. -0.003 min

Lab File: VL043329.D

Acq: 09 Dec 2025 00:38

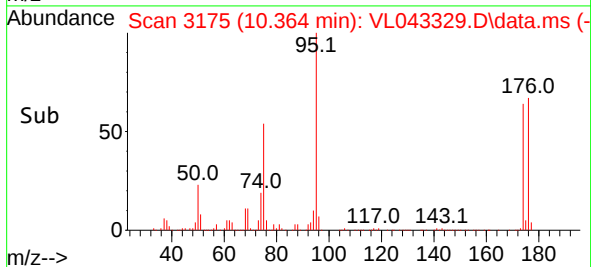
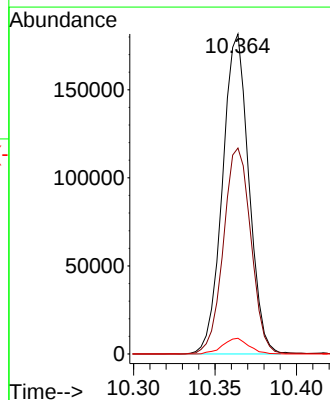
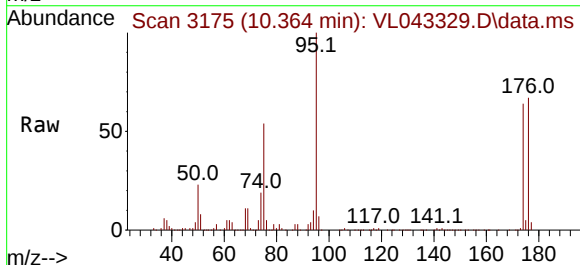
Tgt Ion: 95 Resp: 203754

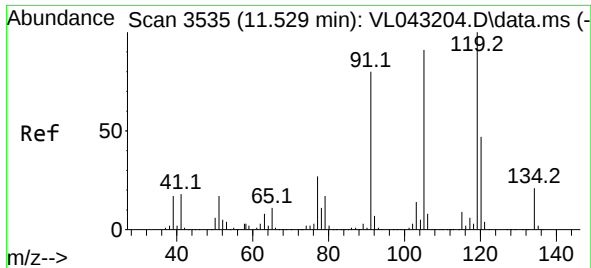
Ion Ratio Lower Upper

95 100

174 67.7 50.2 75.2

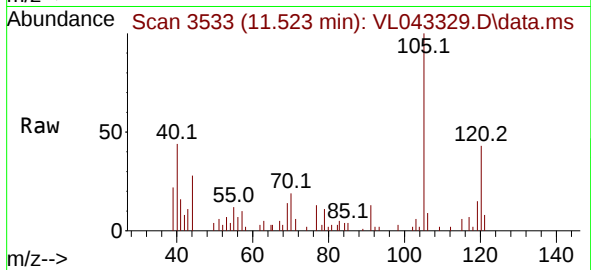
175 4.9 4.1 6.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.106 ppbv
 RT: 11.523 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: VL043329.D
 Acq: 09 Dec 2025 00:38

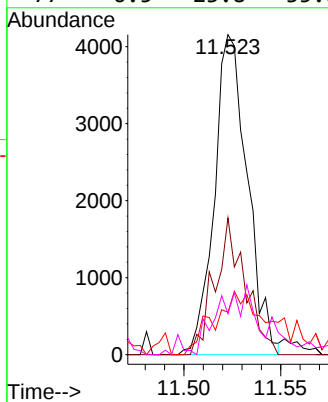
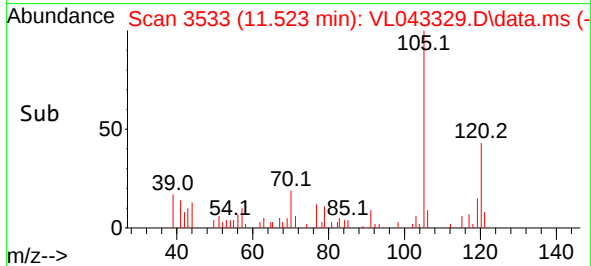
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:	105	Resp:	4924
Ion	Ratio	Lower	Upper
105	100		
120	42.7	41.7	62.5
91	13.3	70.0	105.0
77	6.5	23.8	35.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025



Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/25
Project:	339 Flatbush Ave Brooklyn NY	Date Received:	12/04/25
Client Sample ID:	IA1	SDG No.:	Q3798
Lab Sample ID:	Q3798-02	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400 mL		

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	12/08/25 19:21	VL120825
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	12/08/25 19:21	VL120825
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	12/08/25 19:21	VL120825
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	12/08/25 19:21	VL120825
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	12/08/25 19:21	VL120825
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	12/08/25 19:21	VL120825
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	10.1				65 - 135	101% SPK: 10		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	132000							
540-36-3	1,4-Difluorobenzene	343000							
3114-55-4	Chlorobenzene-d5	273000							

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\VL120825\
 Data File : VL043320.D
 Acq On : 08 Dec 2025 19:21
 Operator : SY/MD
 Sample : Q3798-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 00:15:05 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	131651	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	343367	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	273285	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	201922	10.080	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.496	85	8241	0.444	ppbv	95
3) Chlorodifluoromethane	1.473	51	5457m	0.299	ppbv	
4) Chloromethane	1.531	50	3358	0.484	ppbv	91
9) Propene	1.486	41	289780	37.370	ppbv #	5
11) Trichlorofluoromethane	1.874	101	5386	0.299	ppbv	88
13) Ethanol	1.719	45	444160	162.890	ppbv	98
15) Acetone	1.832	43	68576	3.749	ppbv #	49
19) Isopropyl Alcohol	1.884	45	15295	1.480	ppbv #	36
20) Methylene Chloride	2.059	84	57923	10.811	ppbv	90
26) Hexane	2.819	57	44295	2.561	ppbv #	47
29) Chloroform	2.842	83	3322	0.135	ppbv #	79
30) Cyclohexane	3.849	84	1834m	0.126	ppbv	
34) 2-Butanone	2.551	43	9302	0.384	ppbv	96
35) Carbon Tetrachloride	3.748	117	1983m	0.076	ppbv	
36) Benzene	3.648	78	10557	0.321	ppbv	96
44) 2,2,4-Trimethylpentane	4.635	57	5845m	0.103	ppbv	
53) Toluene	6.914	91	18124	0.465	ppbv	98
59) m/p-Xylene	9.519	91	5630m	0.134	ppbv	

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

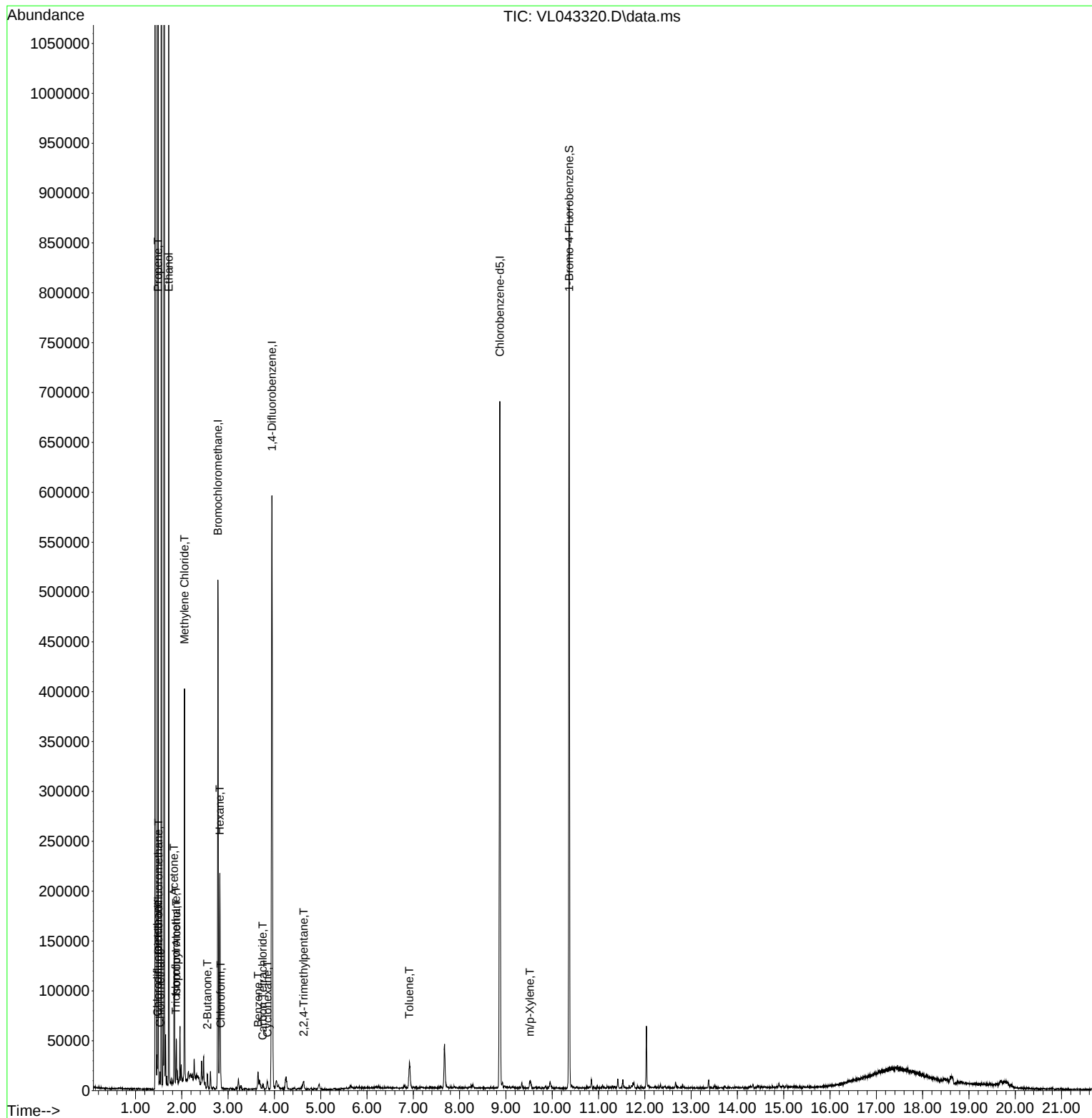
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Data File : VL043320.D
Acq On : 08 Dec 2025 19:21
Operator : SY/MD
Sample : Q3798-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

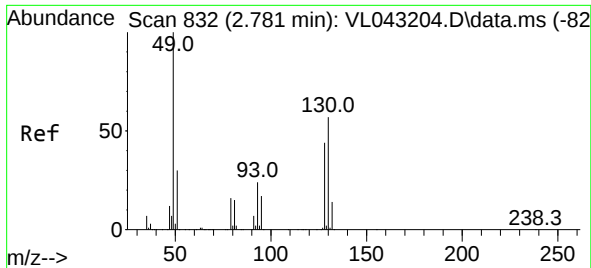
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Dec 09 00:15:05 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

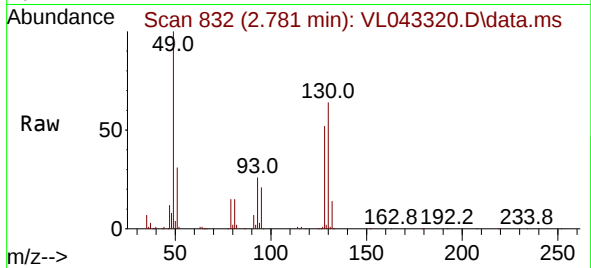
Reviewed By : Semsettin Yesilyurt 12/09/2025
Supervised By : Mahesh Dadoda 12/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 832
Delta R.T. -0.000 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

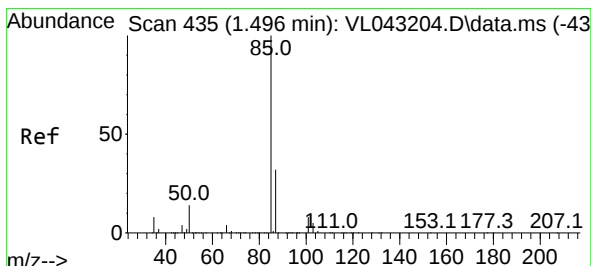
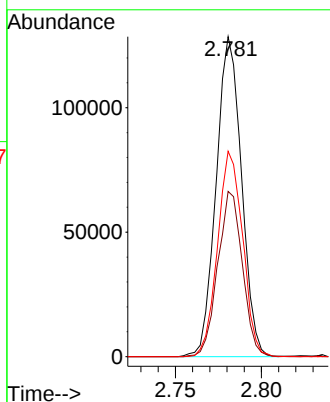
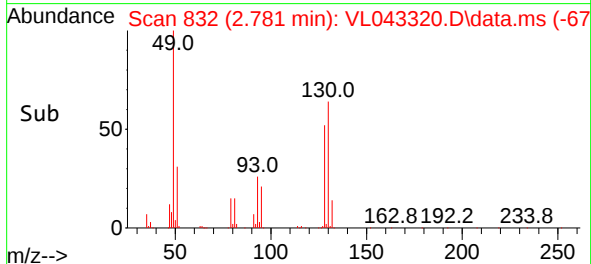
Instrument :
MSVOA_L
ClientSampleId :
IA1



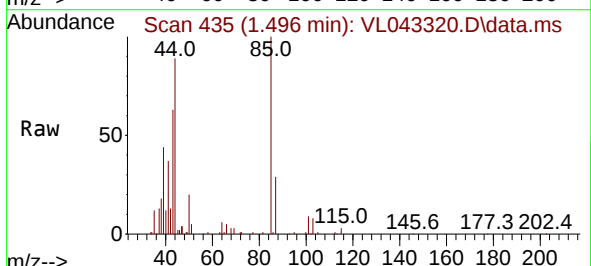
Tgt Ion: 49 Resp: 13165
Ion Ratio Lower Upper
49 100
128 50.2 23.0 69.0
130 63.5 29.9 89.7

Manual Integrations
APPROVED

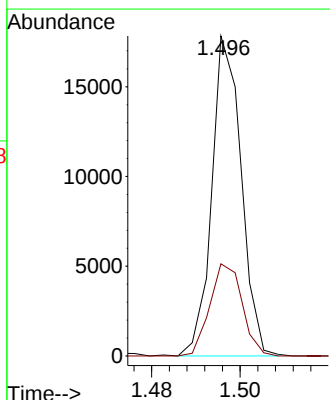
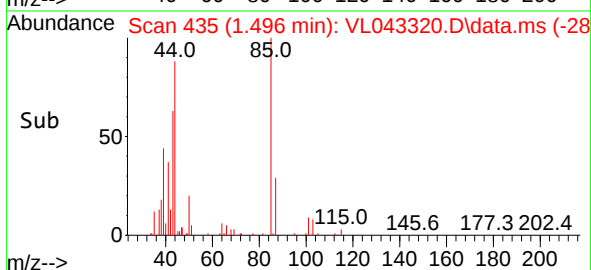
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

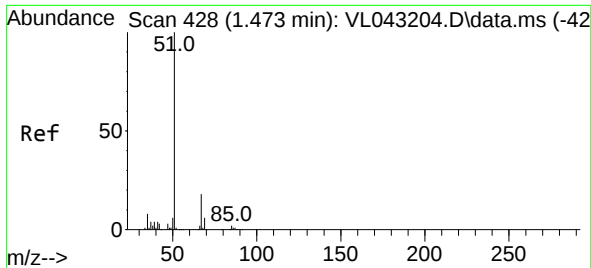


#2
Dichlorodifluoromethane
Concen: 0.444 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21



Tgt Ion: 85 Resp: 8241
Ion Ratio Lower Upper
85 100
87 28.8 25.4 38.2





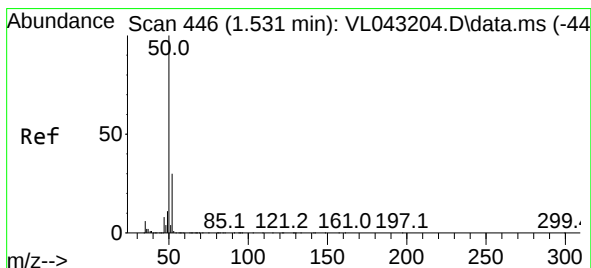
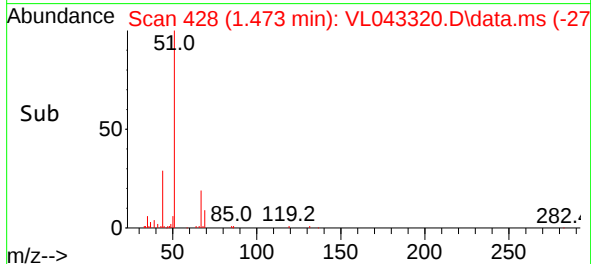
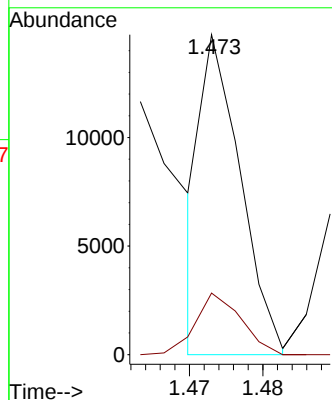
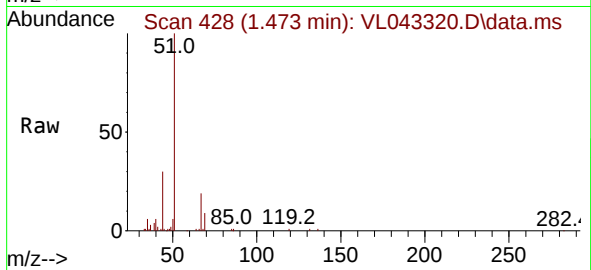
#3
Chlorodifluoromethane
Concen: 0.299 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 545
Ion Ratio Lower Upper
51 100
67 22.6 14.9 22.3

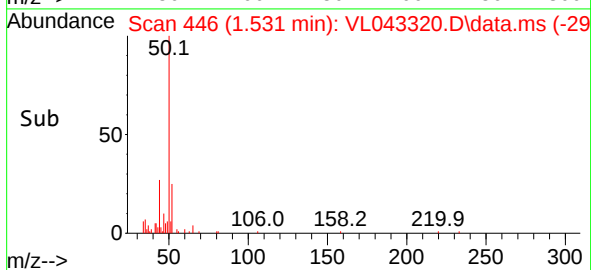
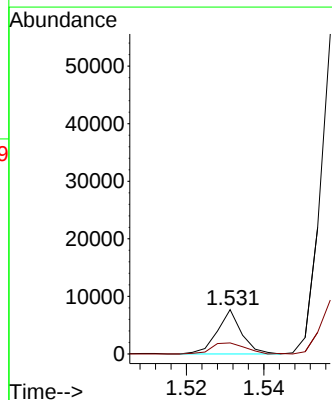
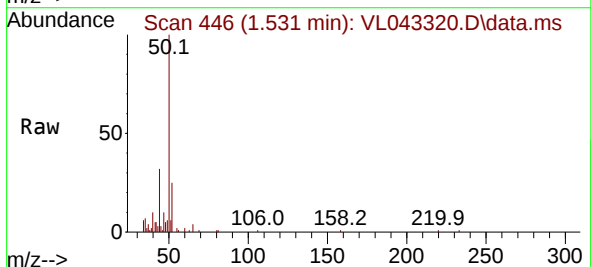
Manual Integrations
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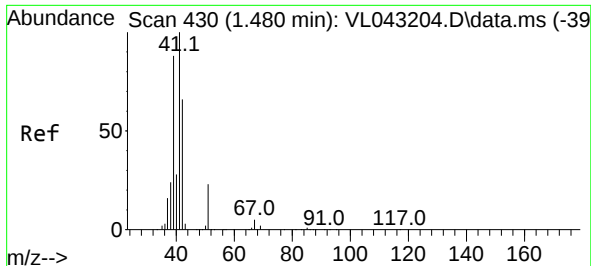
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#4
Chloromethane
Concen: 0.484 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

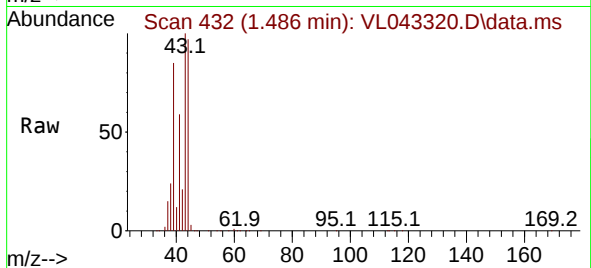
Tgt Ion: 50 Resp: 3358
Ion Ratio Lower Upper
50 100
52 25.1 24.1 36.1





#9
 Propene
 Concen: 37.370 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL043320.D
 Acq: 08 Dec 2025 19:21

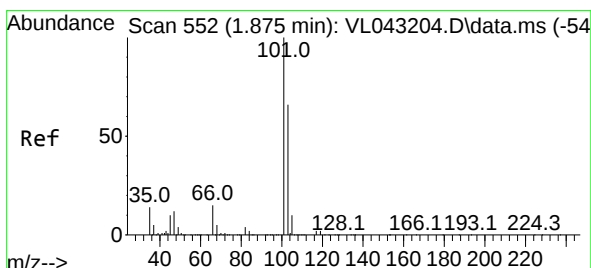
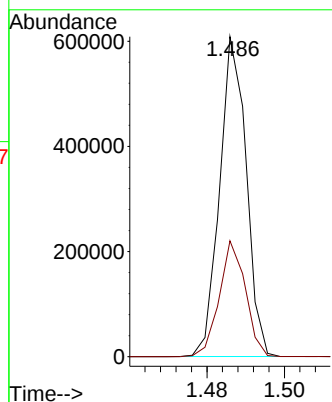
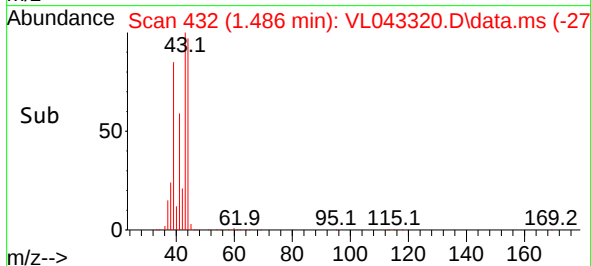
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 41 Resp: 289780
 Ion Ratio Lower Upper
 41 100
 42 35.9 3.7 5.5

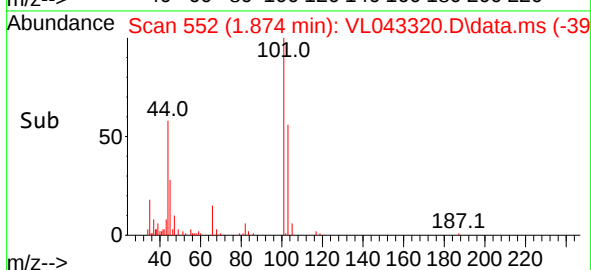
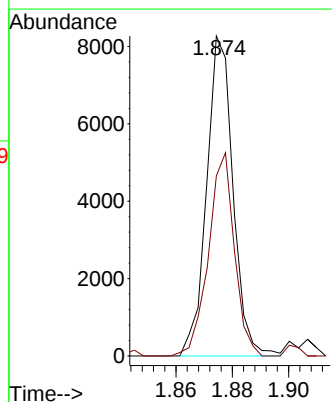
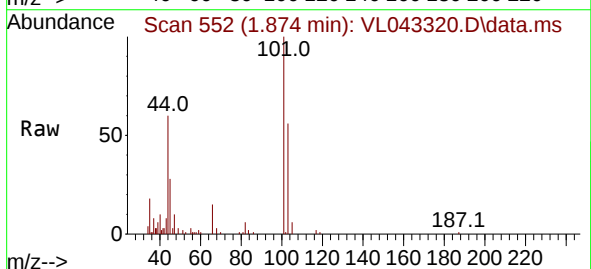
Manual Integrations
 APPROVED

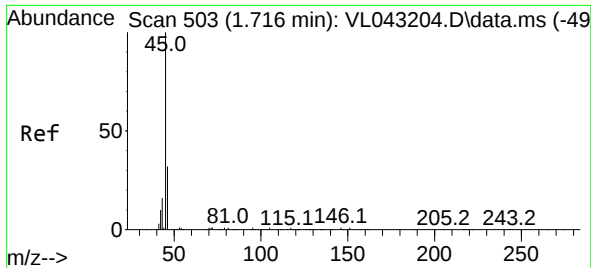
Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025



#11
 Trichlorofluoromethane
 Concen: 0.299 ppbv
 RT: 1.874 min Scan# 552
 Delta R.T. -0.000 min
 Lab File: VL043320.D
 Acq: 08 Dec 2025 19:21

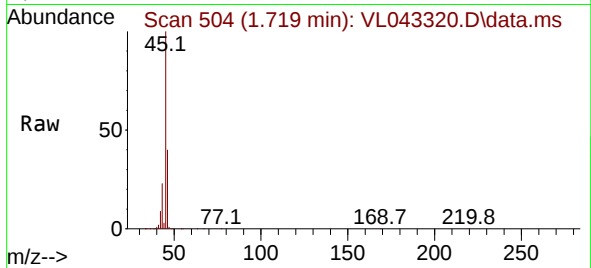
Tgt Ion:101 Resp: 5386
 Ion Ratio Lower Upper
 101 100
 103 56.3 52.6 79.0





#13
Ethanol
Concen: 162.890 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

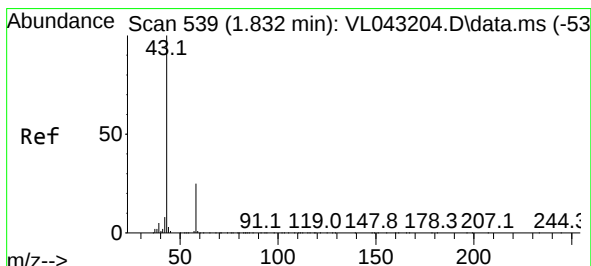
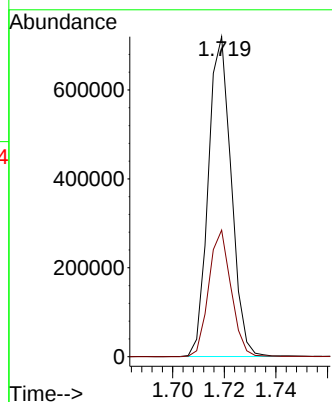
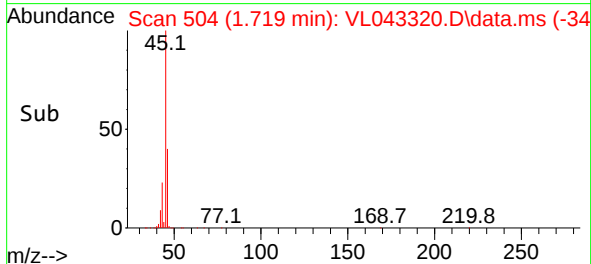
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 444160
Ion Ratio Lower Upper
45 100
46 38.8 15.0 59.8

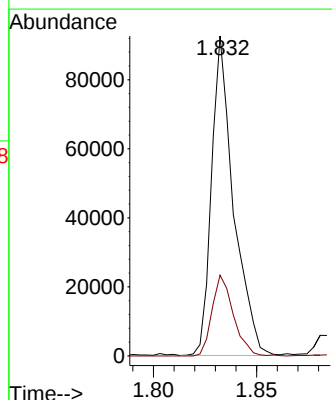
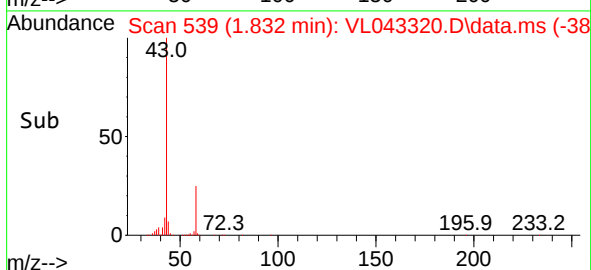
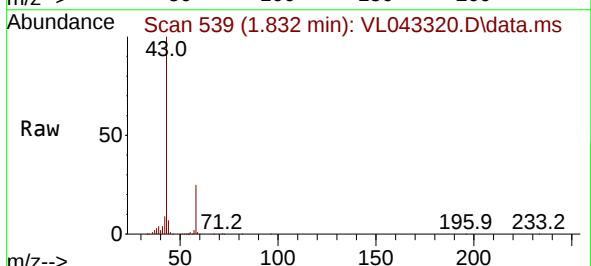
Manual Integrations
APPROVED

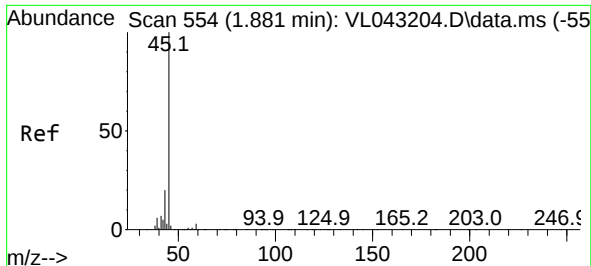
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#15
Acetone
Concen: 3.749 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

Tgt Ion: 43 Resp: 68576
Ion Ratio Lower Upper
43 100
58 0.0 20.7 31.1#





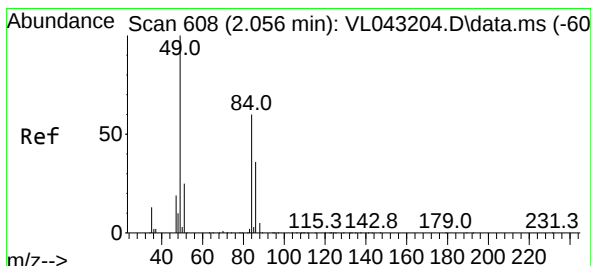
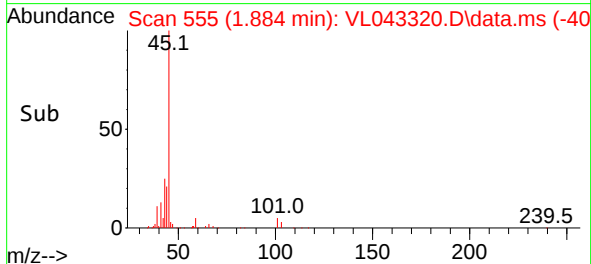
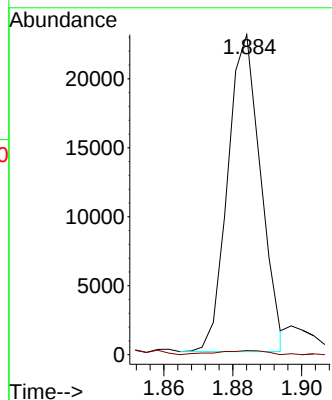
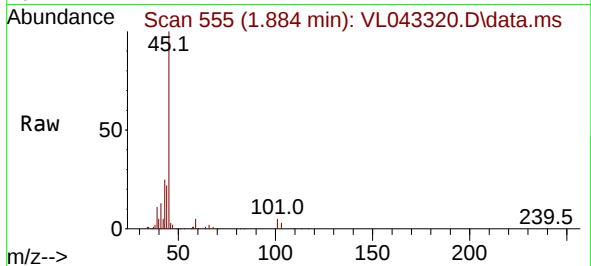
#19
Isopropyl Alcohol
Concen: 1.480 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 1529
Ion Ratio Lower Upper
45 100
58 0.0 31.3 46.9

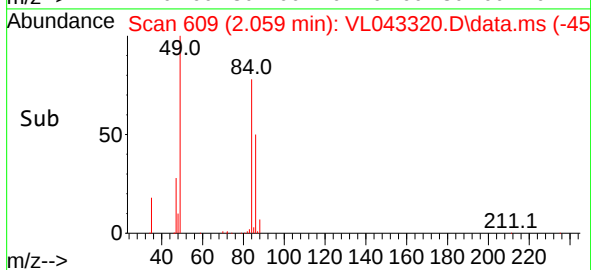
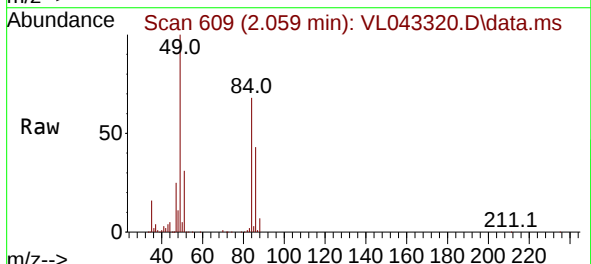
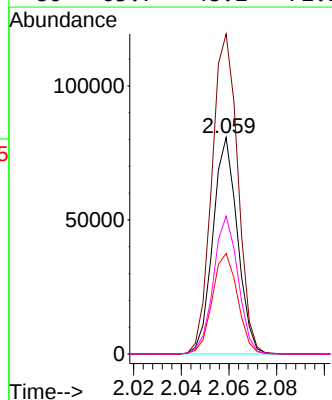
Manual Integrations
APPROVED

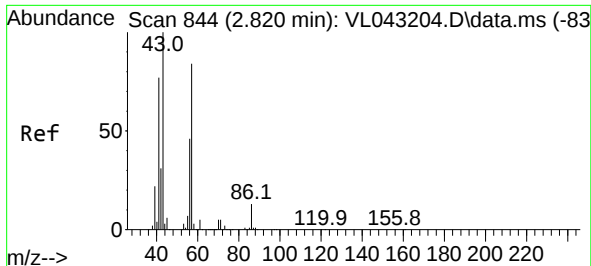
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#20
Methylene Chloride
Concen: 10.811 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

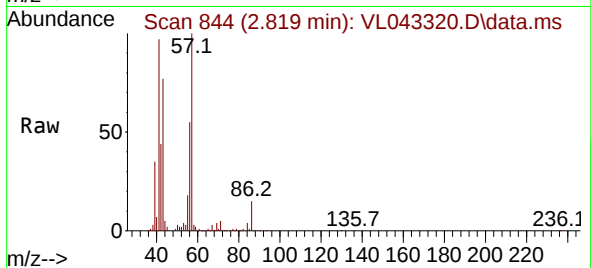
Tgt Ion: 84 Resp: 57923
Ion Ratio Lower Upper
84 100
49 147.8 132.9 199.3
51 46.4 34.8 52.2
86 63.7 48.2 72.2





#26
Hexane
Concen: 2.561 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

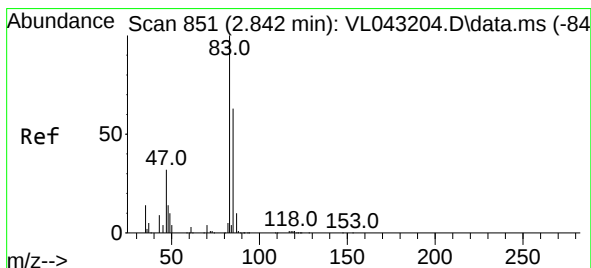
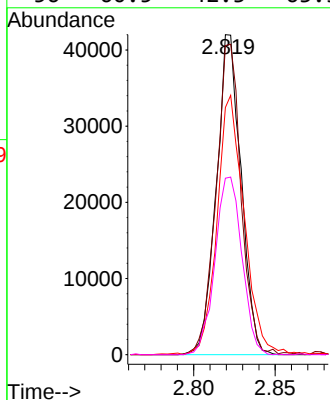
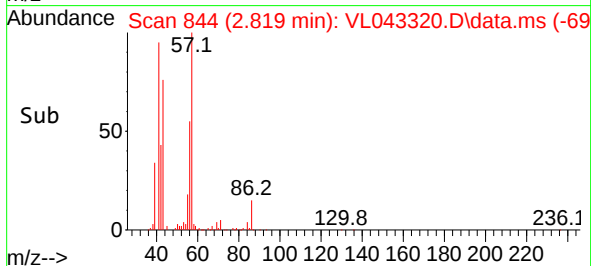
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 44295
Ion Ratio Lower Upper
57 100
41 98.8 74.6 111.8
43 89.6 179.0 268.4
56 60.5 42.3 63.5

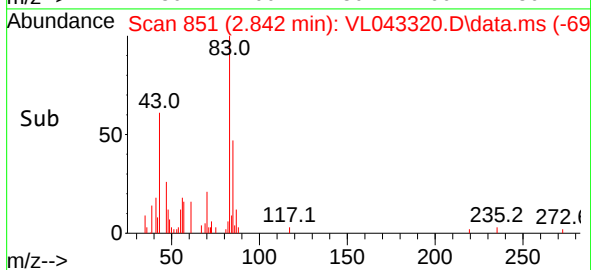
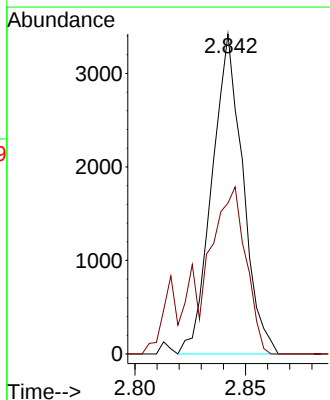
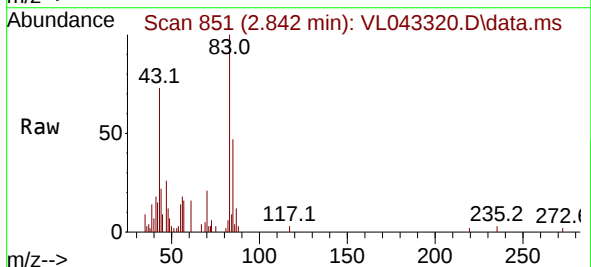
Manual Integrations
APPROVED

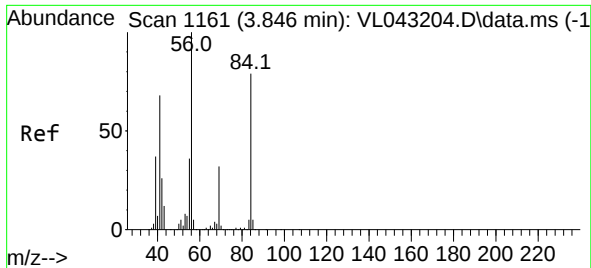
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#29
Chloroform
Concen: 0.135 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.000 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

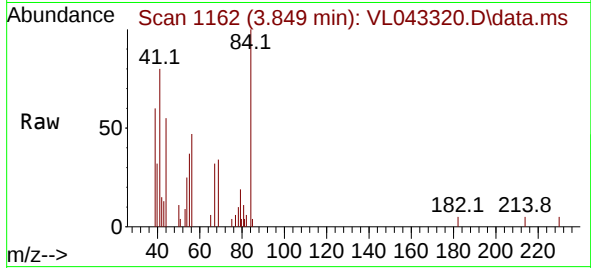
Tgt Ion: 83 Resp: 3322
Ion Ratio Lower Upper
83 100
85 47.2 50.5 75.7#





#30
Cyclohexane
Concen: 0.126 ppbv m
RT: 3.849 min Scan# 1161
Delta R.T. 0.003 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

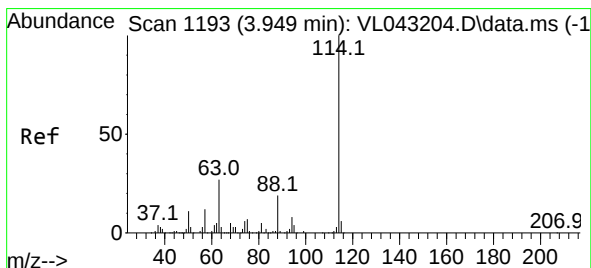
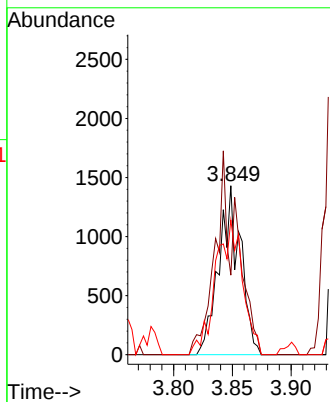
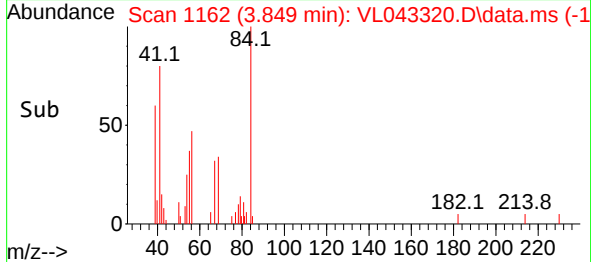
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 84 Resp: 1834
Ion Ratio Lower Upper
84 100
56 0.0 104.7 157.1
41 0.0 69.0 103.6

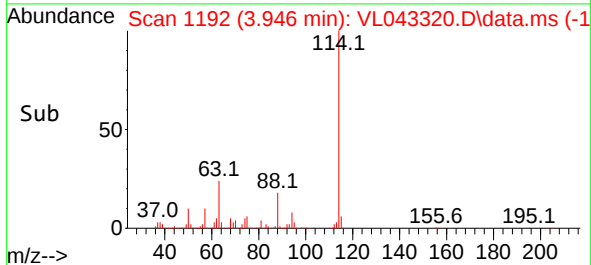
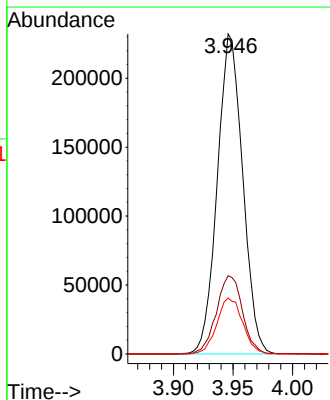
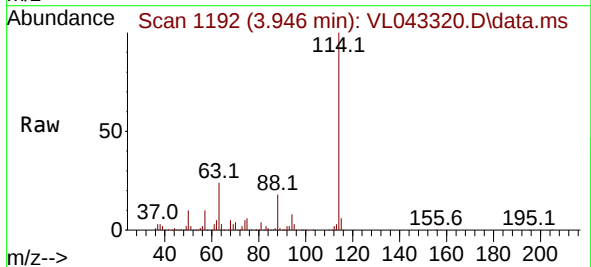
Manual Integrations
APPROVED

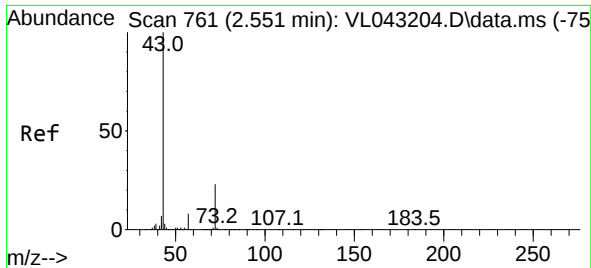
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.003 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

Tgt Ion:114 Resp: 343367
Ion Ratio Lower Upper
114 100
63 25.2 21.0 31.6
88 17.8 14.9 22.3





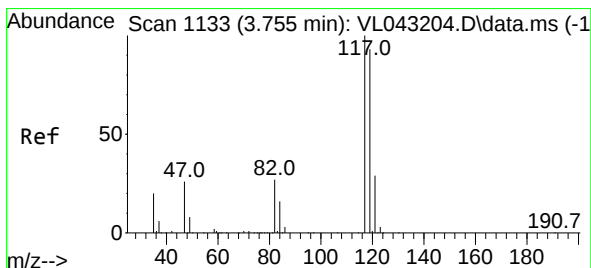
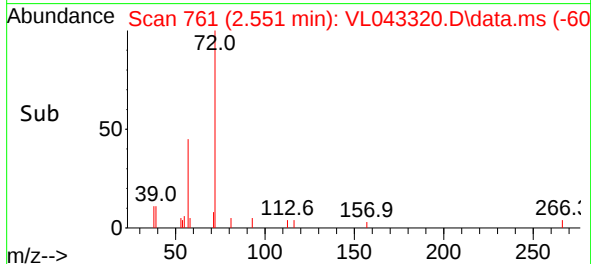
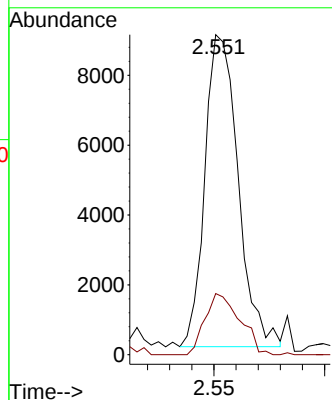
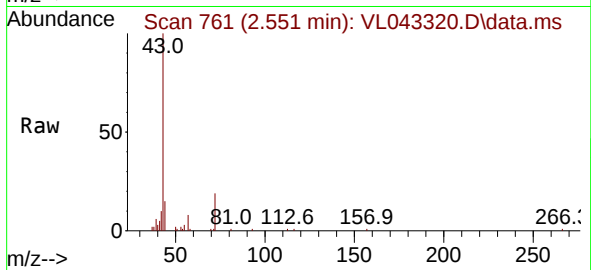
#34
2-Butanone
Concen: 0.384 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
72 20.8 18.1 27.1

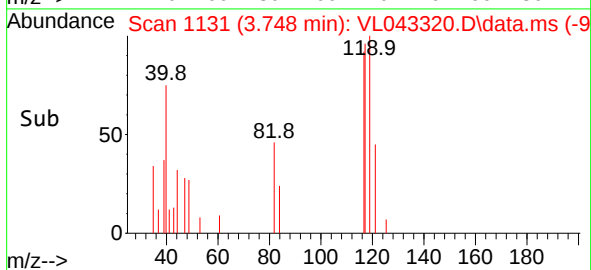
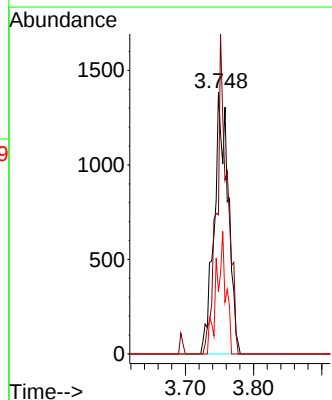
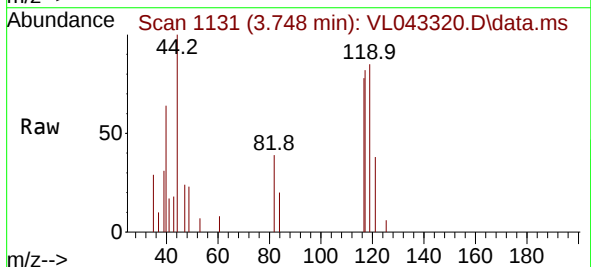
Manual Integrations
APPROVED

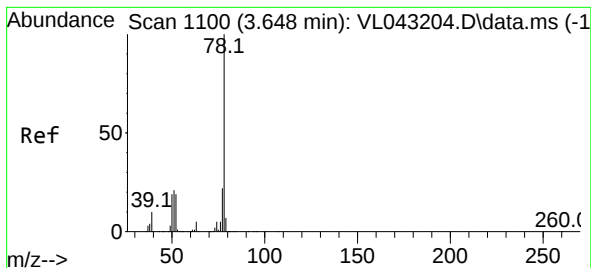
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#35
Carbon Tetrachloride
Concen: 0.076 ppbv m
RT: 3.748 min Scan# 1131
Delta R.T. -0.007 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

Tgt Ion:117 Resp: 1983
Ion Ratio Lower Upper
117 100
119 104.0 74.6 112.0
121 46.6 23.2 34.8#





#36

Benzene

Concen: 0.321 ppbv

RT: 3.648 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VL043320.D

Acq: 08 Dec 2025 19:21

Instrument :

MSVOA_L

ClientSampleId :

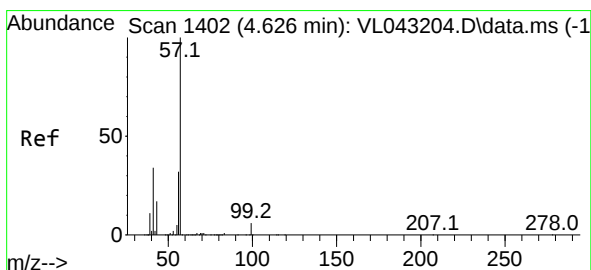
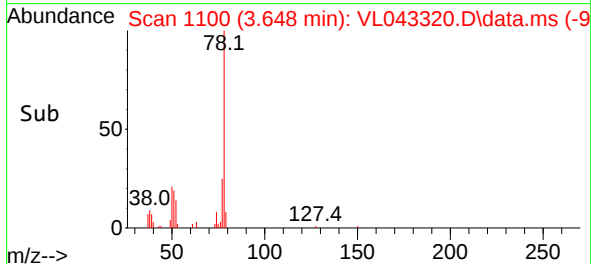
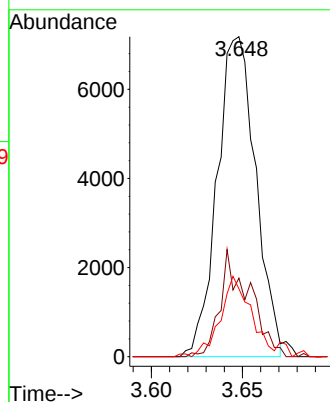
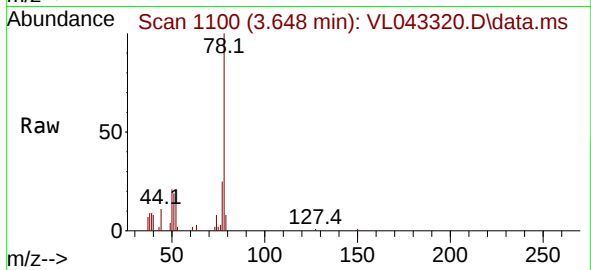
IA1

Tgt Ion: 78	Resp: 1055
Ion Ratio	Lower Upper
78 100	
77 24.5	17.5 26.3
50 20.4	15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#44

2,2,4-Trimethylpentane

Concen: 0.103 ppbv m

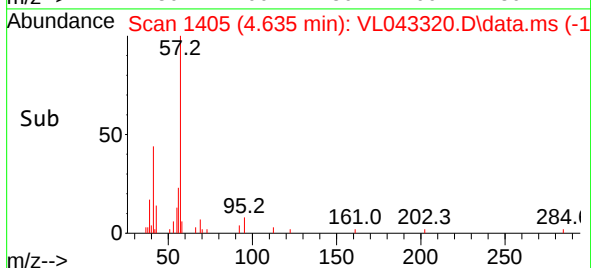
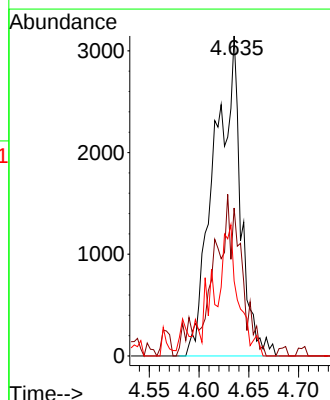
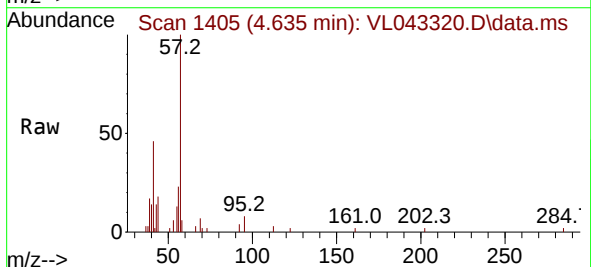
RT: 4.635 min Scan# 1405

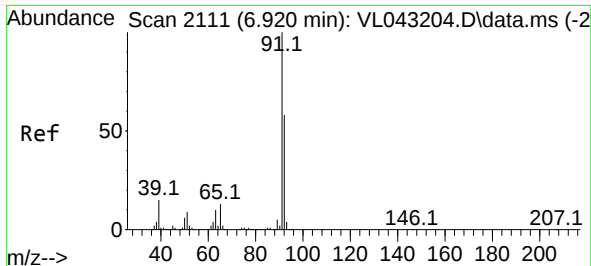
Delta R.T. 0.010 min

Lab File: VL043320.D

Acq: 08 Dec 2025 19:21

Tgt Ion: 57	Resp: 5845
Ion Ratio	Lower Upper
57 100	
41 0.0	28.0 42.0#
56 0.0	25.6 38.4#





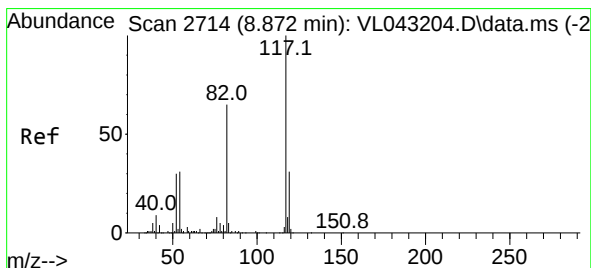
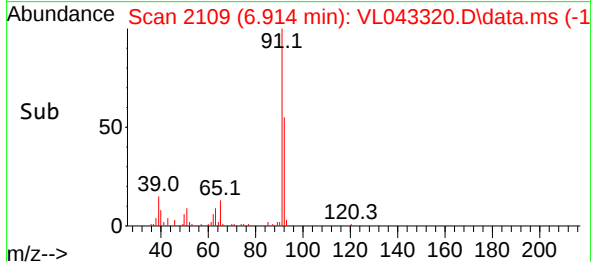
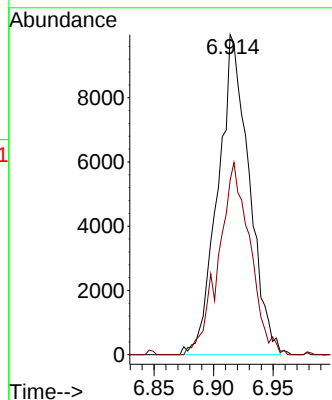
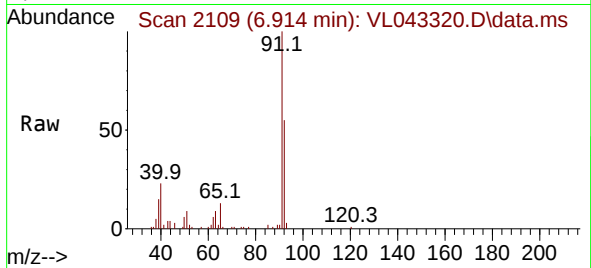
#53
Toluene
Concen: 0.465 ppbv
RT: 6.914 min Scan# 2111
Delta R.T. -0.007 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 18124
Ion Ratio Lower Upper
91 100
92 60.9 47.4 71.0

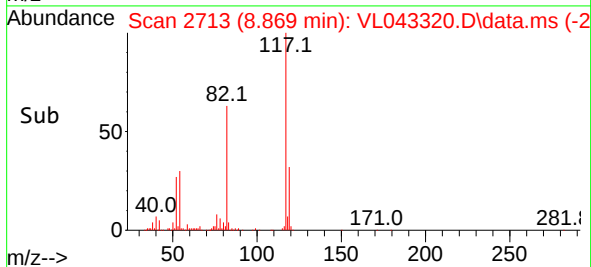
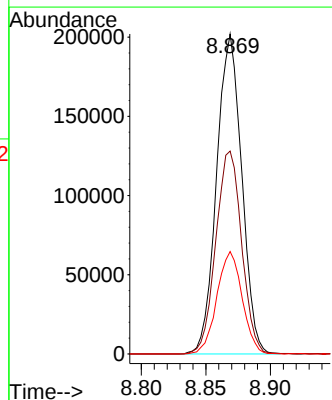
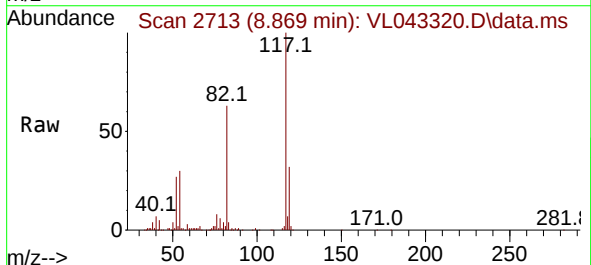
Manual Integrations
APPROVED

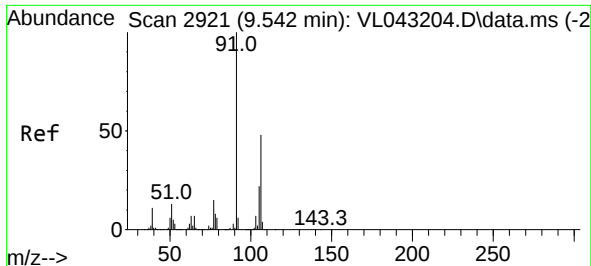
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.003 min
Lab File: VL043320.D
Acq: 08 Dec 2025 19:21

Tgt Ion:117 Resp: 273285
Ion Ratio Lower Upper
117 100
82 65.2 56.1 84.1
119 32.2 25.0 37.6





#59

m/p-Xylene

Concen: 0.134 ppbv m

RT: 9.519 min Scan# 2914

Delta R.T. -0.023 min

Lab File: VL043320.D

Acq: 08 Dec 2025 19:21

Instrument :

MSVOA_L

ClientSampleId :

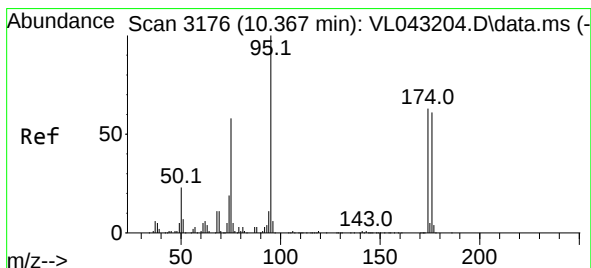
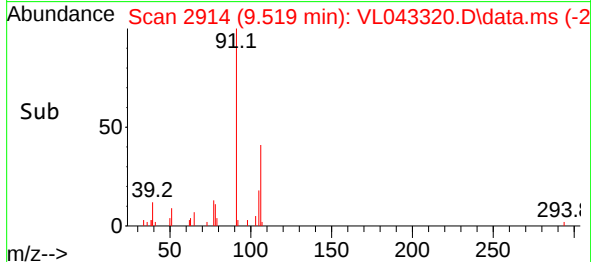
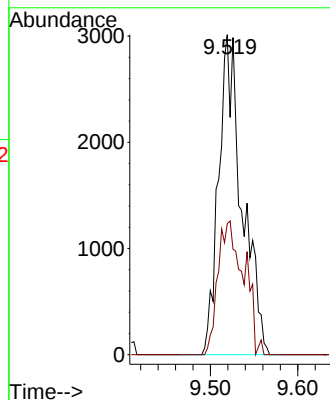
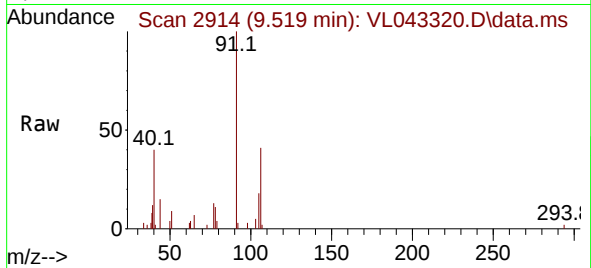
IA1

Tgt Ion: 91 Resp: 5630
 Ion Ratio Lower Upper
 91 100
 106 0.0 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.080 ppbv

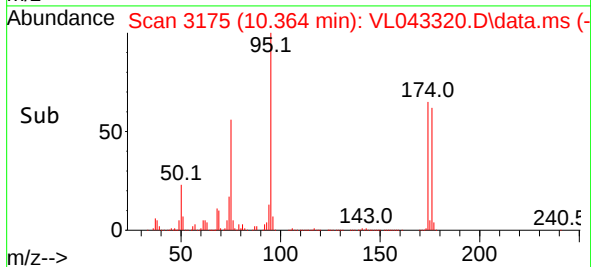
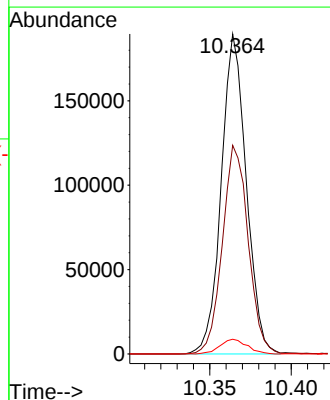
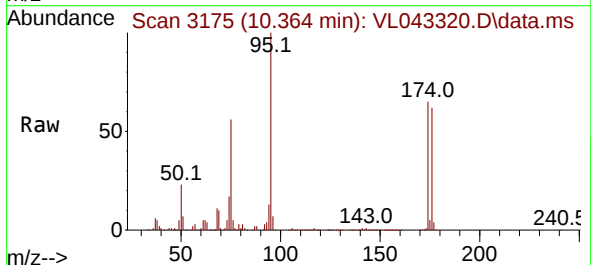
RT: 10.364 min Scan# 3175

Delta R.T. -0.003 min

Lab File: VL043320.D

Acq: 08 Dec 2025 19:21

Tgt Ion: 95 Resp: 201922
 Ion Ratio Lower Upper
 95 100
 174 67.5 50.2 75.2
 175 5.0 4.1 6.1



Report of Analysis

Client:	GFE LLC	Date Collected:	12/04/25
Project:	339 Flatbush Ave Brooklyn NY	Date Received:	12/04/25
Client Sample ID:	OA1	SDG No.:	Q3798
Lab Sample ID:	Q3798-03	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400 mL		

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	12/08/25 19:56	VL120825
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	12/08/25 19:56	VL120825
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	12/08/25 19:56	VL120825
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	12/08/25 19:56	VL120825
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	12/08/25 19:56	VL120825
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	12/08/25 19:56	VL120825
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.90				65 - 135	99% SPK: 10		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	134000							
540-36-3	1,4-Difluorobenzene	341000							
3114-55-4	Chlorobenzene-d5	271000							

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\VL120825\
 Data File : VL043321.D
 Acq On : 08 Dec 2025 19:56
 Operator : SY/MD
 Sample : Q3798-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 00:15:32 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 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	134420	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	341367	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	271316	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	196407	9.876	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.495	85	8595	0.453	ppbv	96
3) Chlorodifluoromethane	1.473	51	5434m	0.291	ppbv	
4) Chloromethane	1.528	50	3346	0.472	ppbv	90
9) Propene	1.483	41	10844	1.370	ppbv #	1
10) Heptane	4.965	43	2488m	0.106	ppbv	
11) Trichlorofluoromethane	1.874	101	5475	0.298	ppbv	95
13) Ethanol	1.716	45	22982	8.255	ppbv	97
15) Acetone	1.832	43	40438	2.165	ppbv #	90
19) Isopropyl Alcohol	1.881	45	12157	1.152	ppbv #	41
20) Methylene Chloride	2.059	84	8568	0.838	ppbv	88
26) Hexane	2.819	57	8138	0.461	ppbv #	40
34) 2-Butanone	2.554	43	5099	0.212	ppbv	99
35) Carbon Tetrachloride	3.745	117	1710m	0.066	ppbv	
36) Benzene	3.641	78	10979	0.336	ppbv	97
44) 2,2,4-Trimethylpentane	4.625	57	5719m	0.102	ppbv	
53) Toluene	6.910	91	12676	0.327	ppbv	99
59) m/p-Xylene	9.509	91	5041m	0.120	ppbv	

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

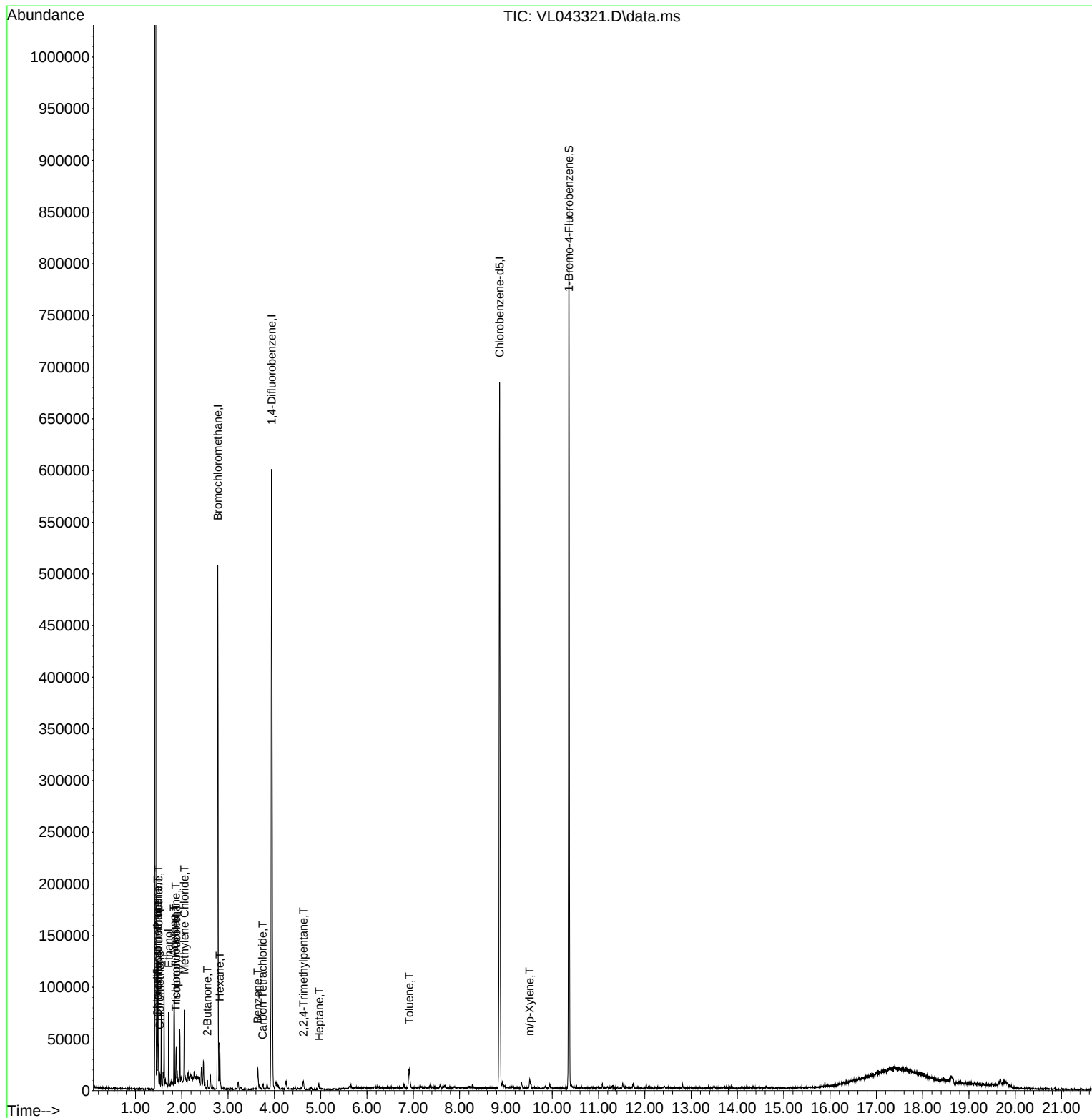
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043321.D
Acq On : 08 Dec 2025 19:56
Operator : SY/MD
Sample : Q3798-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

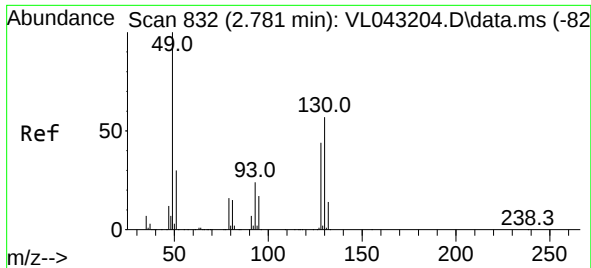
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Dec 09 00:15:32 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 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025





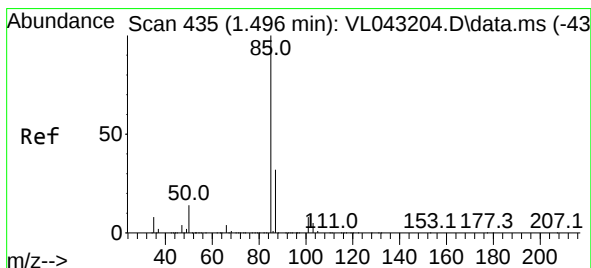
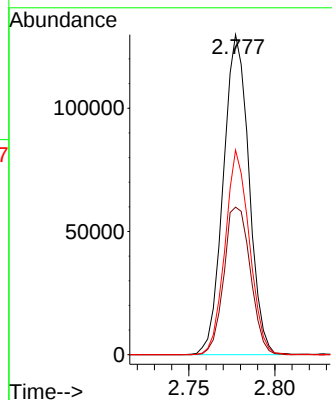
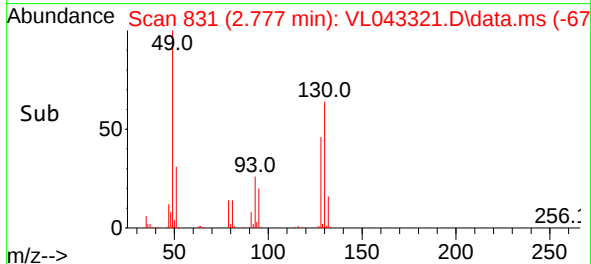
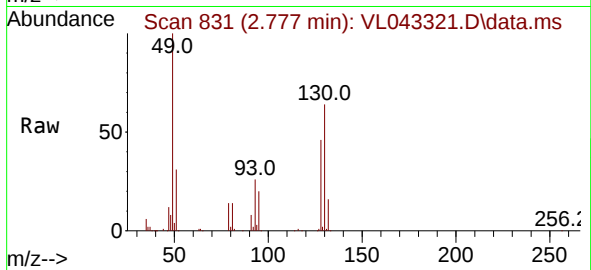
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. -0.004 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 134420
Ion Ratio Lower Upper
49 100
128 47.7 23.0 69.0
130 60.8 29.9 89.7

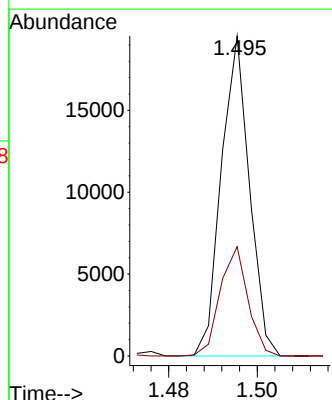
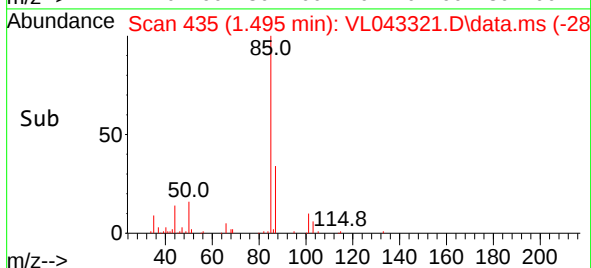
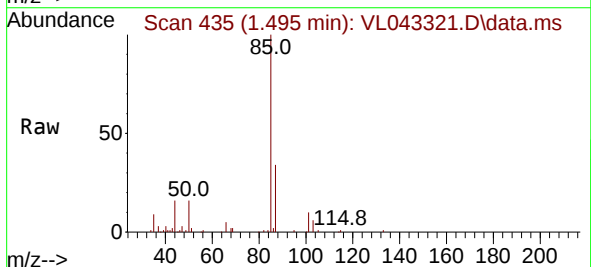
Manual Integrations
APPROVED

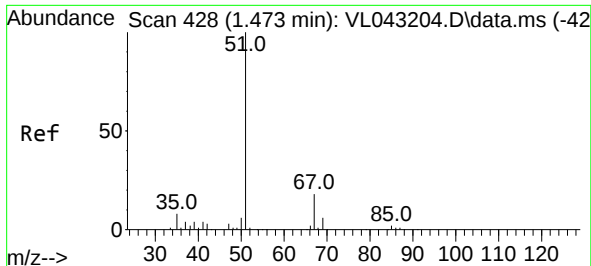
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#2
Dichlorodifluoromethane
Concen: 0.453 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

Tgt Ion: 85 Resp: 8595
Ion Ratio Lower Upper
85 100
87 34.2 25.4 38.2





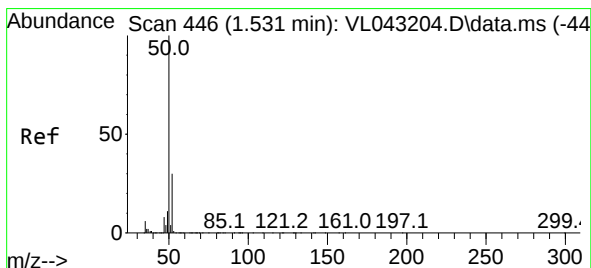
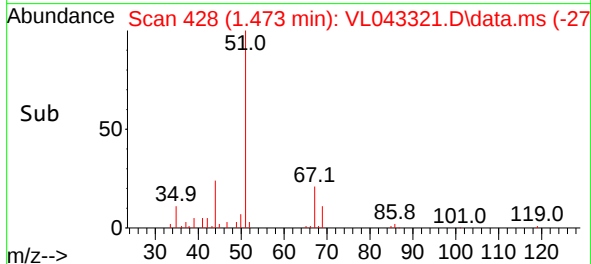
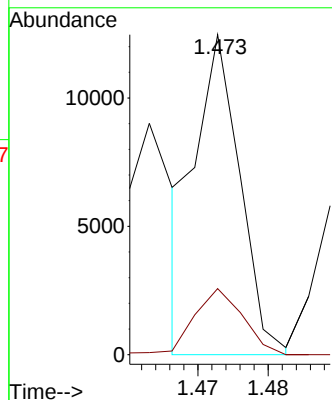
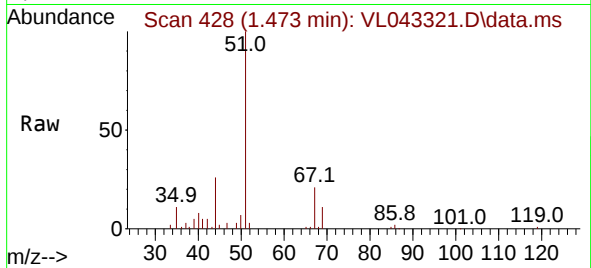
#3
Chlorodifluoromethane
Concen: 0.291 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 5434
Ion Ratio Lower Upper
51 100
67 4.3 14.9 22.3

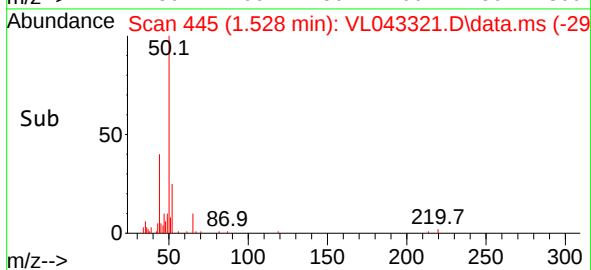
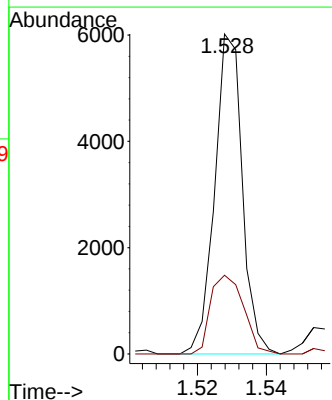
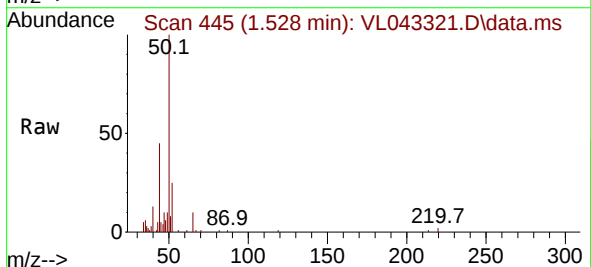
Manual Integrations
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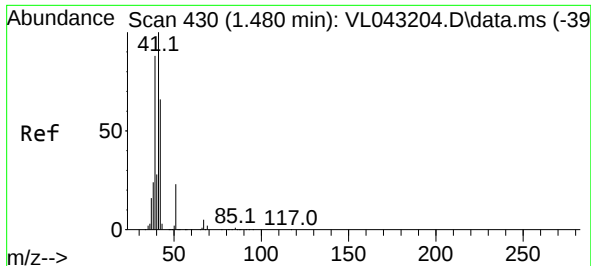
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#4
Chloromethane
Concen: 0.472 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.004 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

Tgt Ion: 50 Resp: 3346
Ion Ratio Lower Upper
50 100
52 24.6 24.1 36.1





#9

Propene

Concen: 1.370 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043321.D

Acq: 08 Dec 2025 19:56

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 41 Resp: 10844

Ion Ratio Lower Upper

41 100

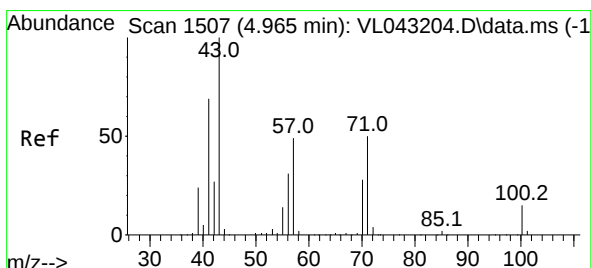
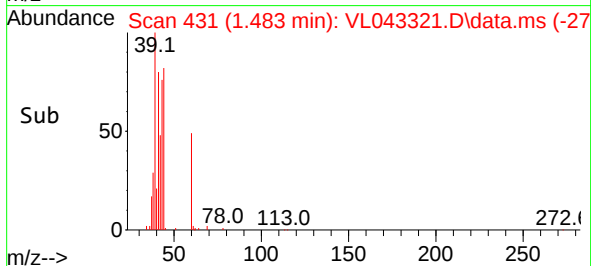
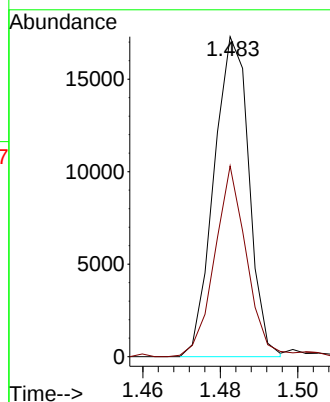
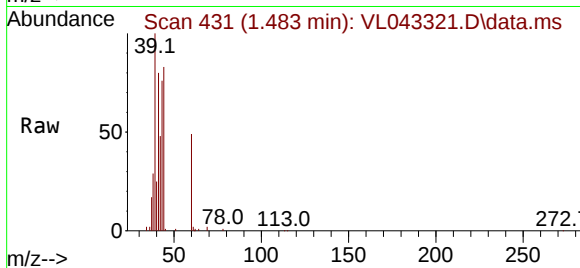
42 55.9 3.7 5.5

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Reviewed By :Semsettin Yesilyurt 12/09/2025

Supervised By :Mahesh Dadoda 12/11/2025



#10

Heptane

Concen: 0.106 ppbv m

RT: 4.965 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VL043321.D

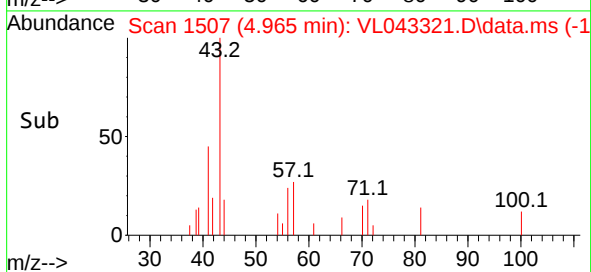
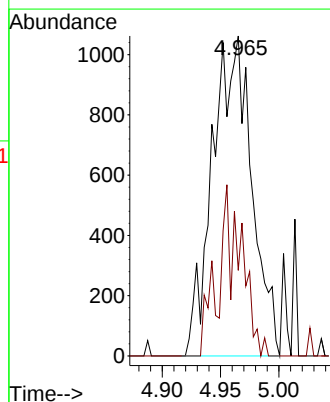
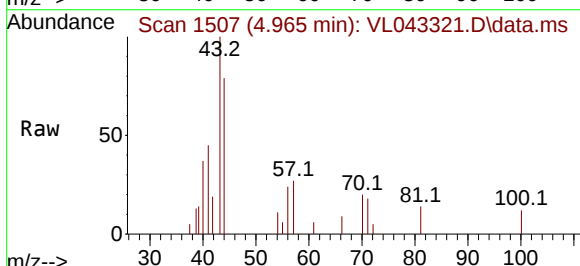
Acq: 08 Dec 2025 19:56

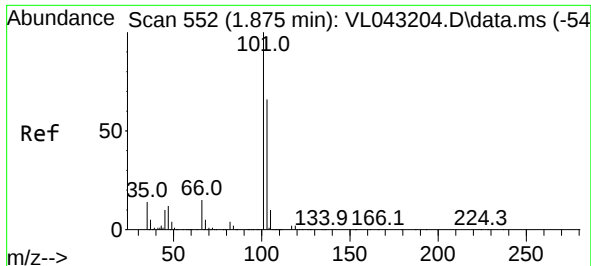
Tgt Ion: 43 Resp: 2488

Ion Ratio Lower Upper

43 100

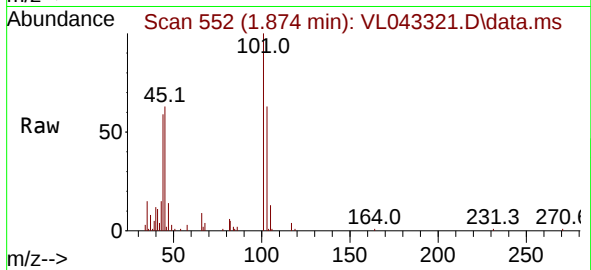
57 31.5 39.7 59.5





#11
Trichlorofluoromethane
Concen: 0.298 ppbv
RT: 1.874 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

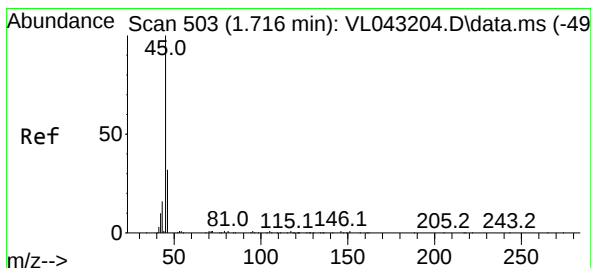
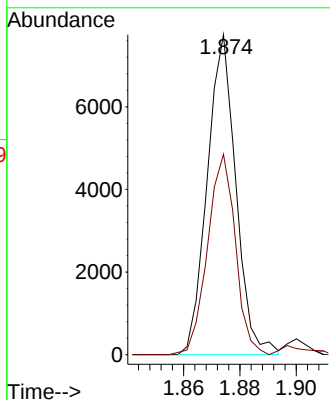
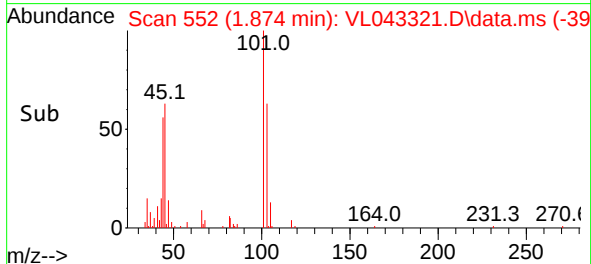
Instrument :
MSVOA_L
ClientSampleId :
OA1



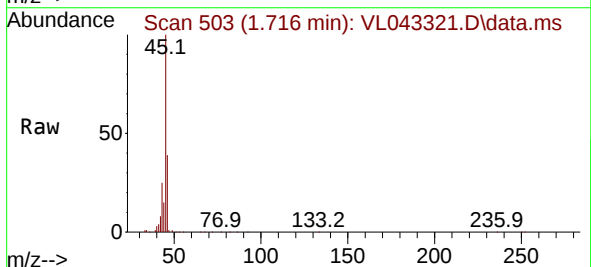
Tgt Ion:101 Resp: 5479
Ion Ratio Lower Upper
101 100
103 62.0 52.6 79.0

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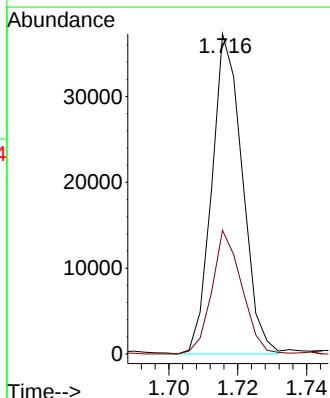
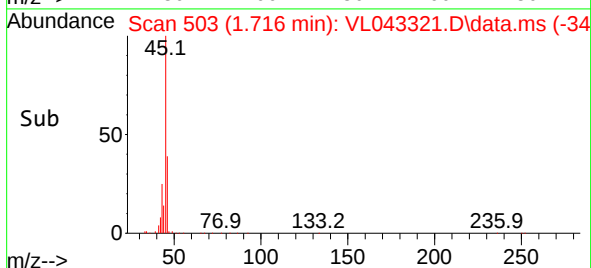
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

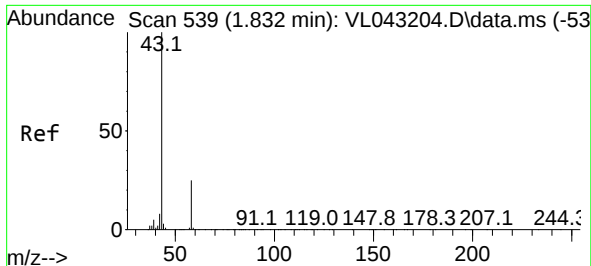


#13
Ethanol
Concen: 8.255 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56



Tgt Ion: 45 Resp: 22982
Ion Ratio Lower Upper
45 100
46 39.0 15.0 59.8





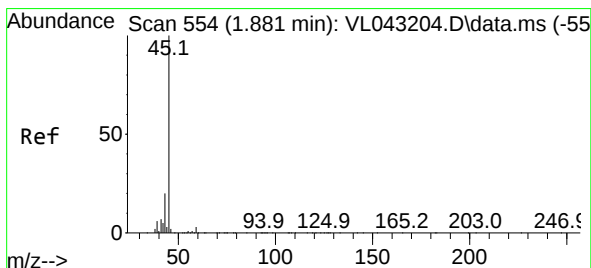
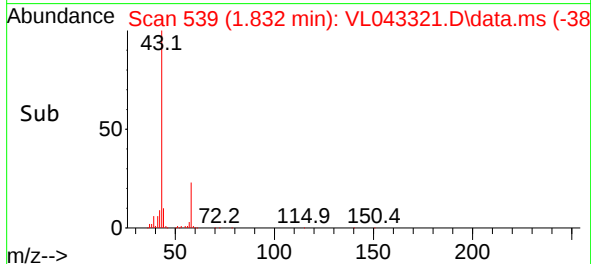
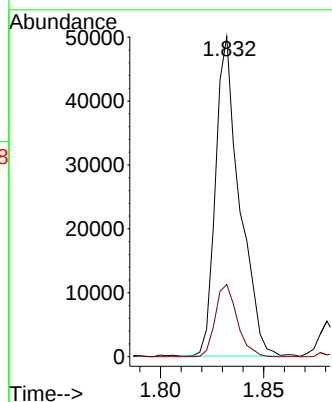
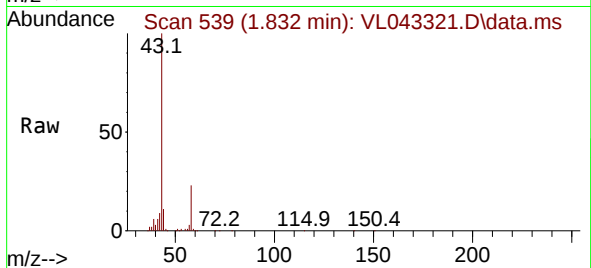
#15
Acetone
Concen: 2.165 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 40438
Ion Ratio Lower Upper
43 100
58 20.6 20.7 31.1

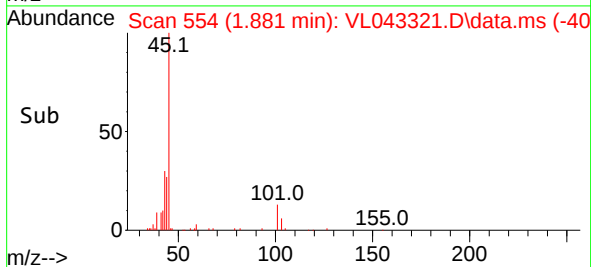
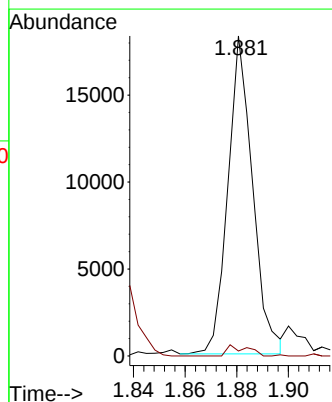
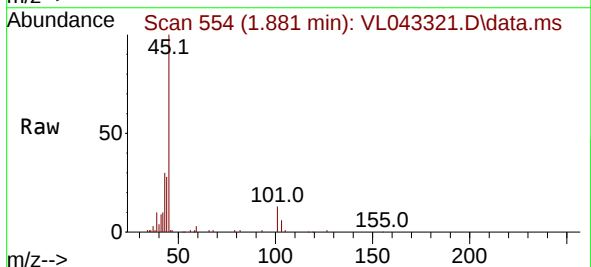
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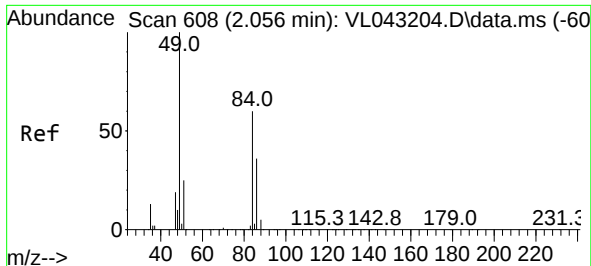
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#19
Isopropyl Alcohol
Concen: 1.152 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

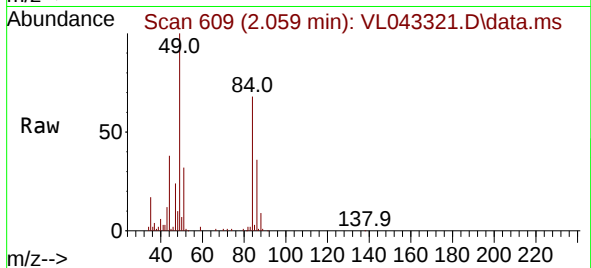
Tgt Ion: 45 Resp: 12157
Ion Ratio Lower Upper
45 100
58 2.9 31.3 46.9





#20
Methylene Chloride
Concen: 0.838 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

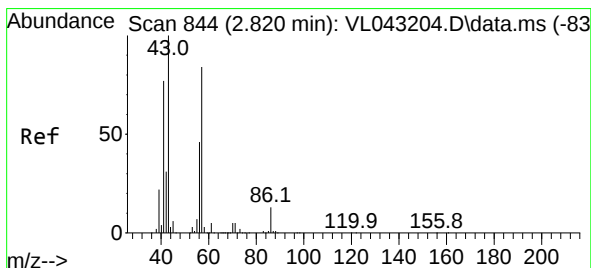
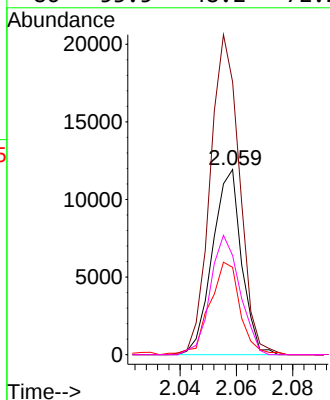
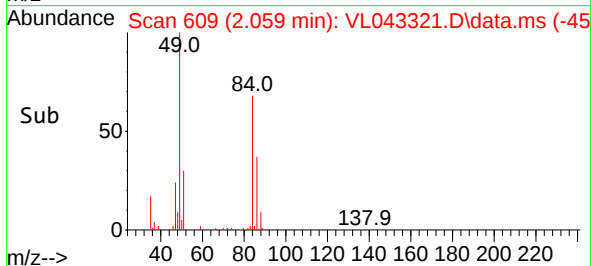
Instrument :
MSVOA_L
ClientSampleId :
OA1



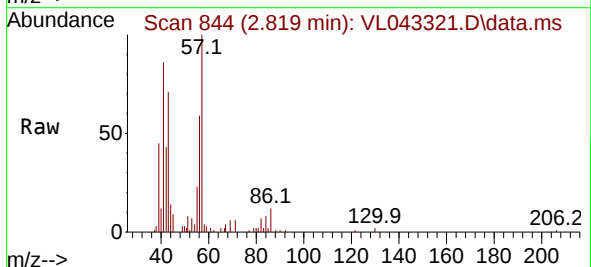
Tgt Ion: 84 Resp: 856
Ion Ratio Lower Upper
84 100
49 146.3 132.9 199.3
51 46.4 34.8 52.2
86 53.5 48.2 72.2

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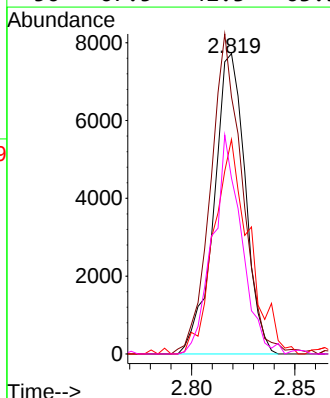
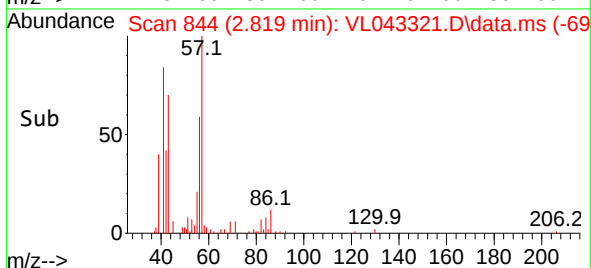
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

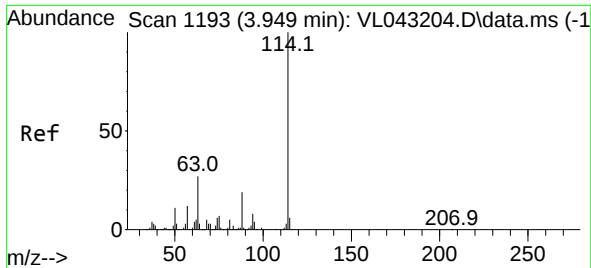


#26
Hexane
Concen: 0.461 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56



Tgt Ion: 57 Resp: 8138
Ion Ratio Lower Upper
57 100
41 108.4 74.6 111.8
43 82.2 179.0 268.4#
56 67.5 42.3 63.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.942 min Scan# 1191

Delta R.T. -0.007 min

Lab File: VL043321.D

Acq: 08 Dec 2025 19:56

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:114 Resp: 34136

Ion Ratio Lower Upper

114 100

63 25.3 21.0 31.6

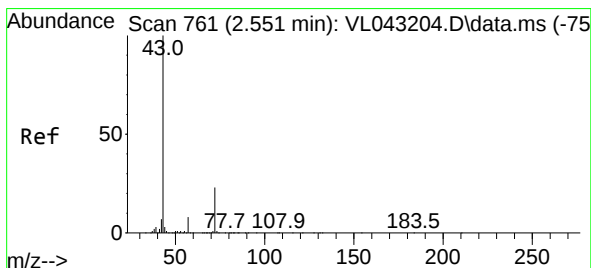
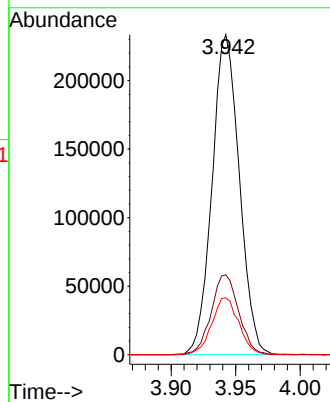
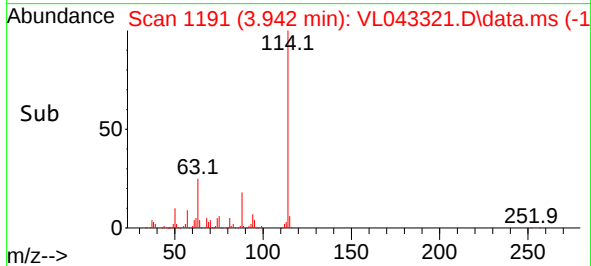
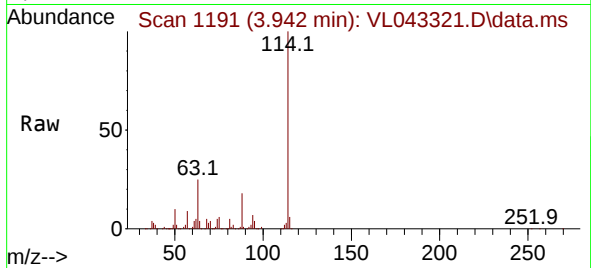
88 17.8 14.9 22.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/09/2025

Supervised By :Mahesh Dadoda 12/11/2025



#34

2-Butanone

Concen: 0.212 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.003 min

Lab File: VL043321.D

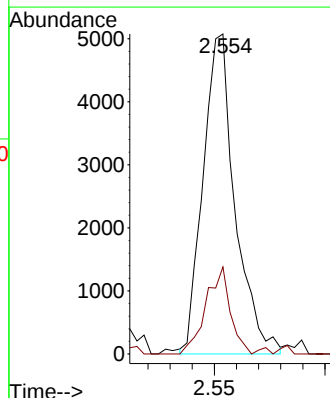
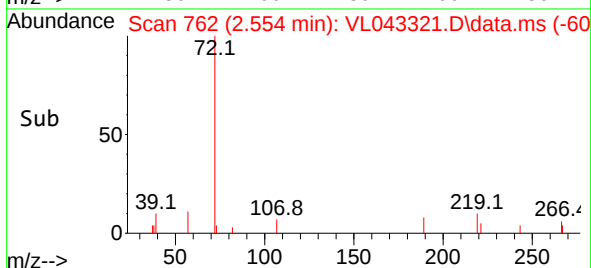
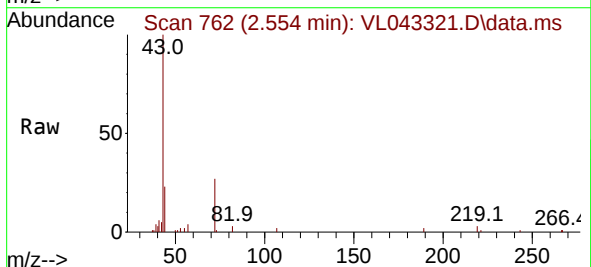
Acq: 08 Dec 2025 19:56

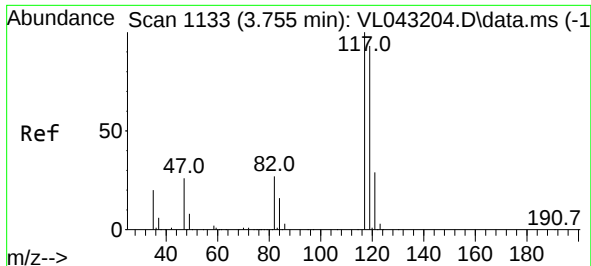
Tgt Ion: 43 Resp: 5099

Ion Ratio Lower Upper

43 100

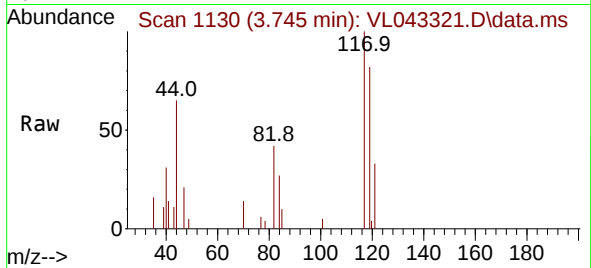
72 22.1 18.1 27.1





#35
Carbon Tetrachloride
Concen: 0.066 ppbv
RT: 3.745 min Scan# 1133
Delta R.T. -0.010 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

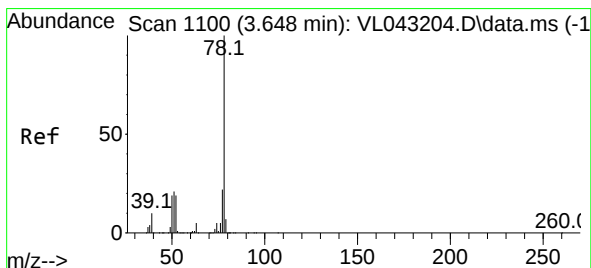
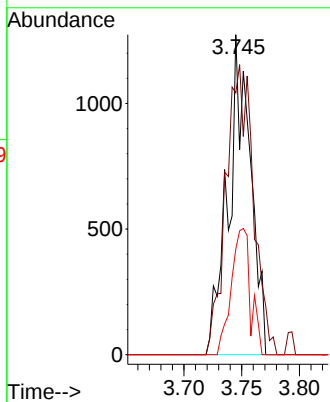
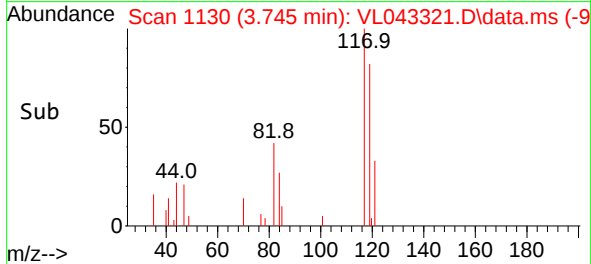
Instrument :
MSVOA_L
ClientSampleId :
OA1



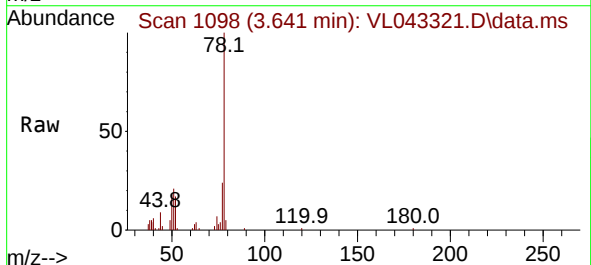
Tgt Ion: 117 Resp: 1710
Ion Ratio Lower Upper
117 100
119 81.8 74.6 112.0
121 33.0 23.2 34.8

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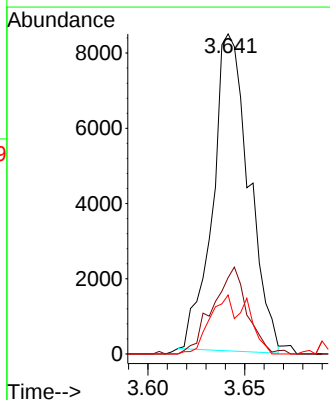
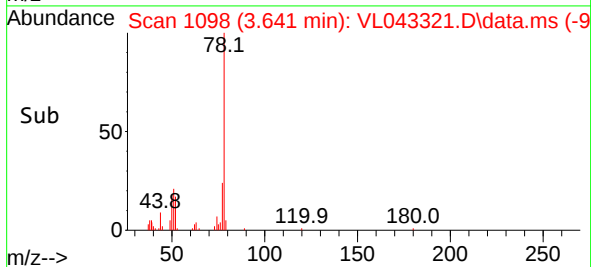
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

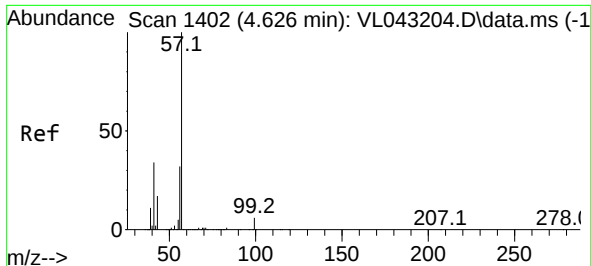


#36
Benzene
Concen: 0.336 ppbv
RT: 3.641 min Scan# 1098
Delta R.T. -0.007 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56



Tgt Ion: 78 Resp: 10979
Ion Ratio Lower Upper
78 100
77 24.3 17.5 26.3
50 18.7 15.5 23.3





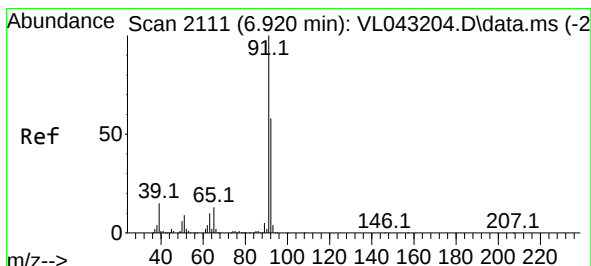
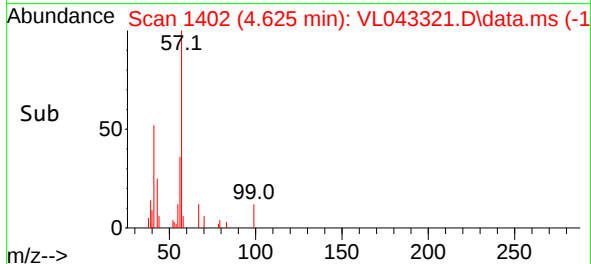
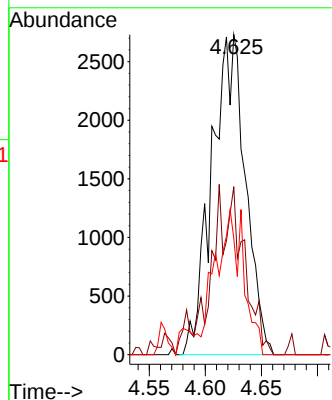
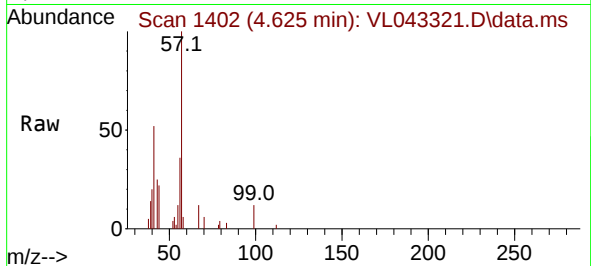
#44
2,2,4-Trimethylpentane
Concen: 0.102 ppbv m
RT: 4.625 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 57 Resp: 5719
Ion Ratio Lower Upper
57 100
41 0.0 28.0 42.0
56 0.0 25.6 38.4

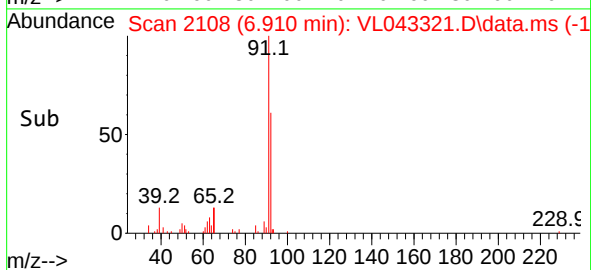
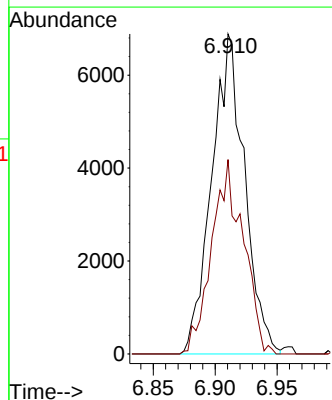
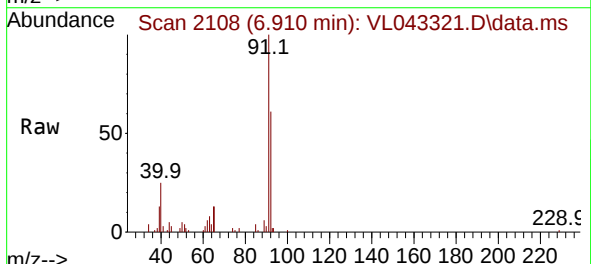
Manual Integrations
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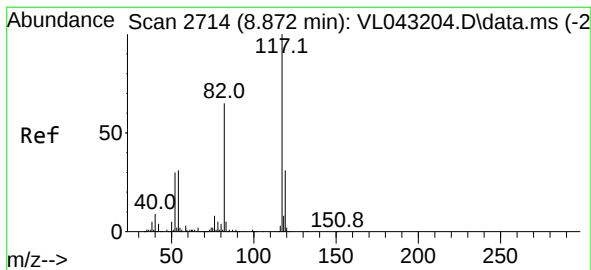
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#53
Toluene
Concen: 0.327 ppbv
RT: 6.910 min Scan# 2108
Delta R.T. -0.010 min
Lab File: VL043321.D
Acq: 08 Dec 2025 19:56

Tgt Ion: 91 Resp: 12676
Ion Ratio Lower Upper
91 100
92 58.6 47.4 71.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.865 min Scan# 2713

Delta R.T. -0.007 min

Lab File: VL043321.D

Acq: 08 Dec 2025 19:56

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:117 Resp: 271310

Ion Ratio Lower Upper

117 100

82 65.0 56.1 84.1

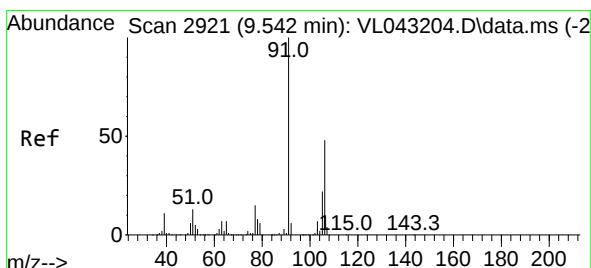
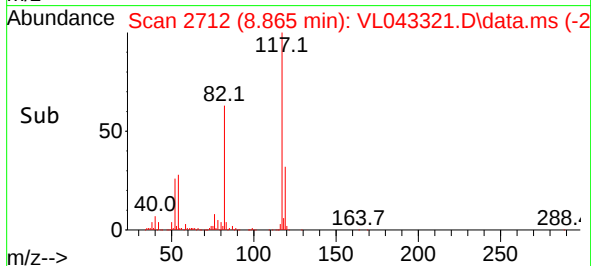
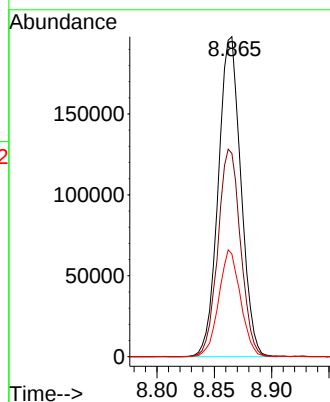
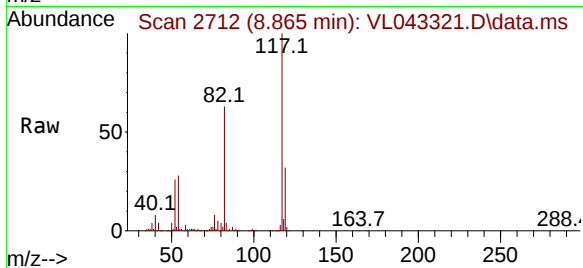
119 32.2 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025

Supervised By :Mahesh Dadoda 12/11/2025



#59

m/p-Xylene

Concen: 0.120 ppbv m

RT: 9.509 min Scan# 2911

Delta R.T. -0.033 min

Lab File: VL043321.D

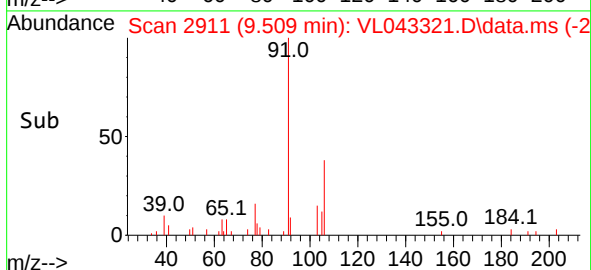
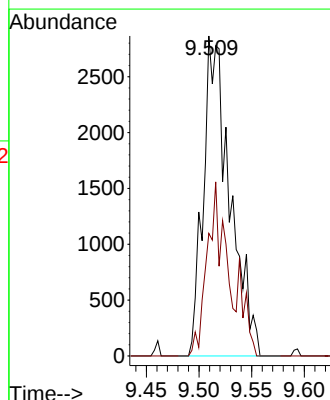
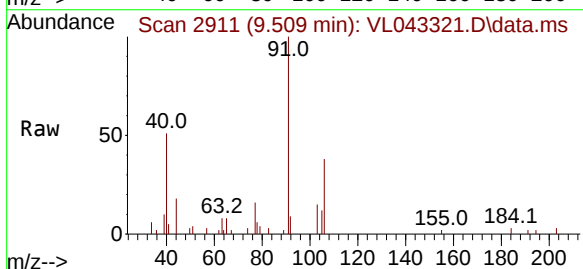
Acq: 08 Dec 2025 19:56

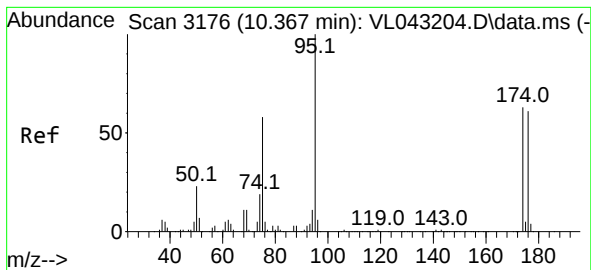
Tgt Ion: 91 Resp: 5041

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.876 ppbv

RT: 10.361 min Scan# 31

Delta R.T. -0.007 min

Lab File: VL043321.D

Acq: 08 Dec 2025 19:56

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 95 Resp: 19640

Ion Ratio Lower Upper

95 100

174 69.4 50.2 75.2

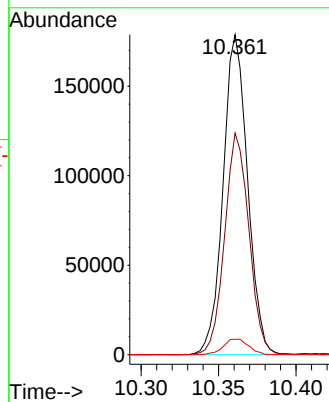
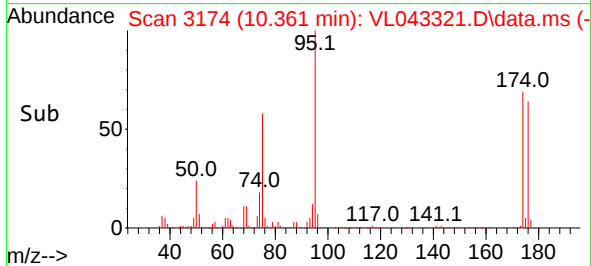
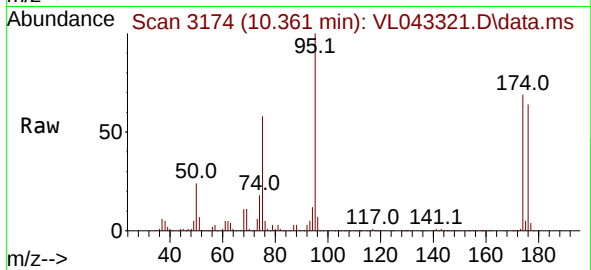
175 5.1 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025

Supervised By :Mahesh Dadoda 12/11/2025





CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG No.: Q3798

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
1,1-Dichloroethane	1.050	1.018	1.194	1.173			1.096	7.4
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
Trichloroethene	0.390	0.353	0.371	0.388	0.475	0.293	0.375	14.6
Tetrachloroethene	0.344	0.329	0.349	0.362	0.424	0.363	0.356	9.4
1-Bromo-4-Fluorobenzene	0.729	0.735	0.741	0.733	0.725	0.712	0.733	1.9

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

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

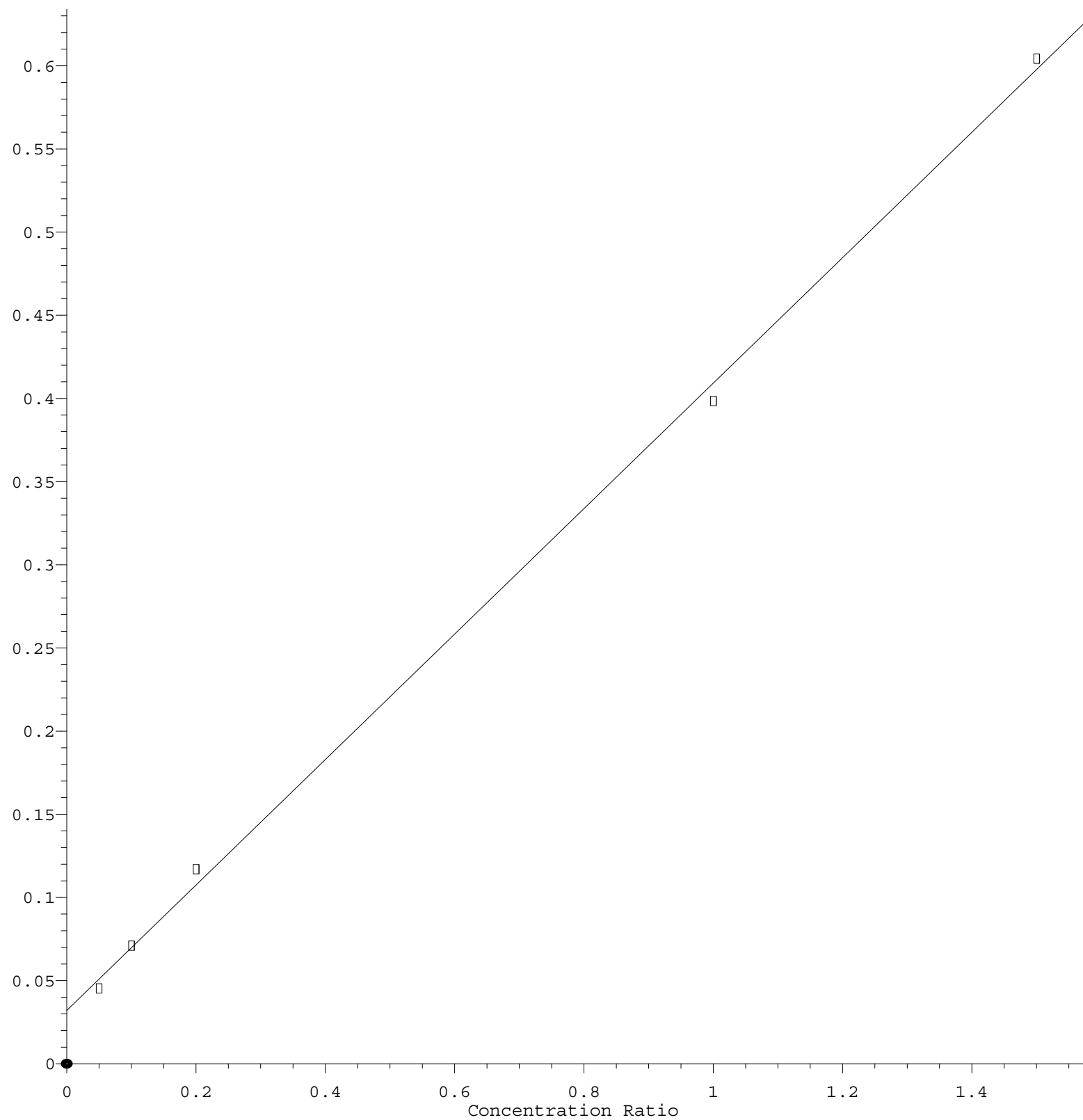
33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.744	0.751	0.736	0.644	0.655	0.706	7.38
35) T Carbon Tetrach...	0.832	0.765	0.779	0.771	0.737	0.708	0.721	0.759	5.51
36) T Benzene			0.996	1.001	0.986	0.905	0.900	0.958	5.28
37) T 1,2-Dichloroet...			0.572	0.580	0.565	0.531	0.553	0.560	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



$$\text{Response} = 3.773\text{e-}001 * \text{Amt} + 3.213\text{e-}002$$

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 : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

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

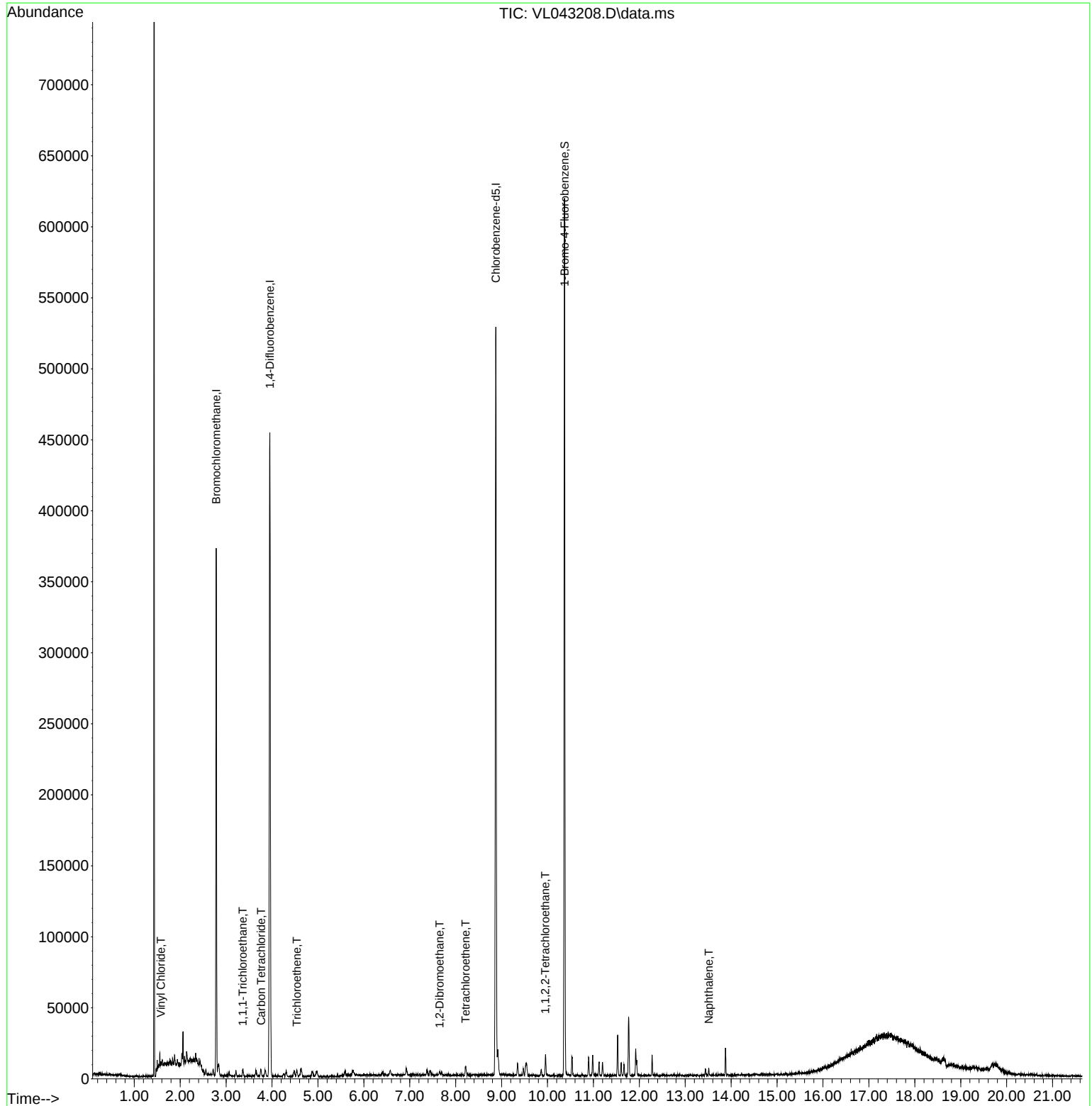
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043208.D
Acq On : 18 Nov 2025 12:16
Operator : SY/MD
Sample : VSTDIC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

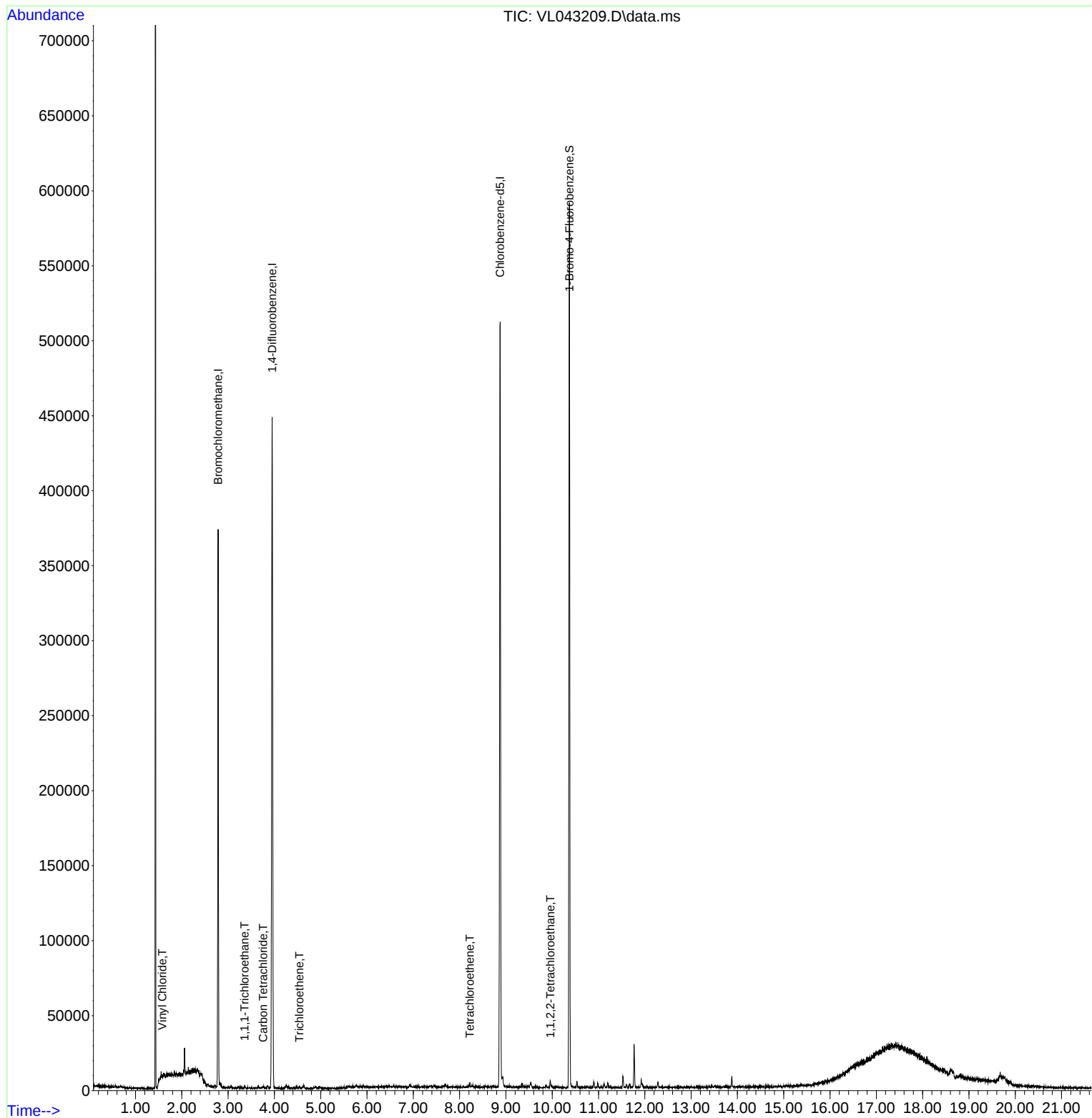
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043209.D
Acq On : 18 Nov 2025 12:49
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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 : 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)
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

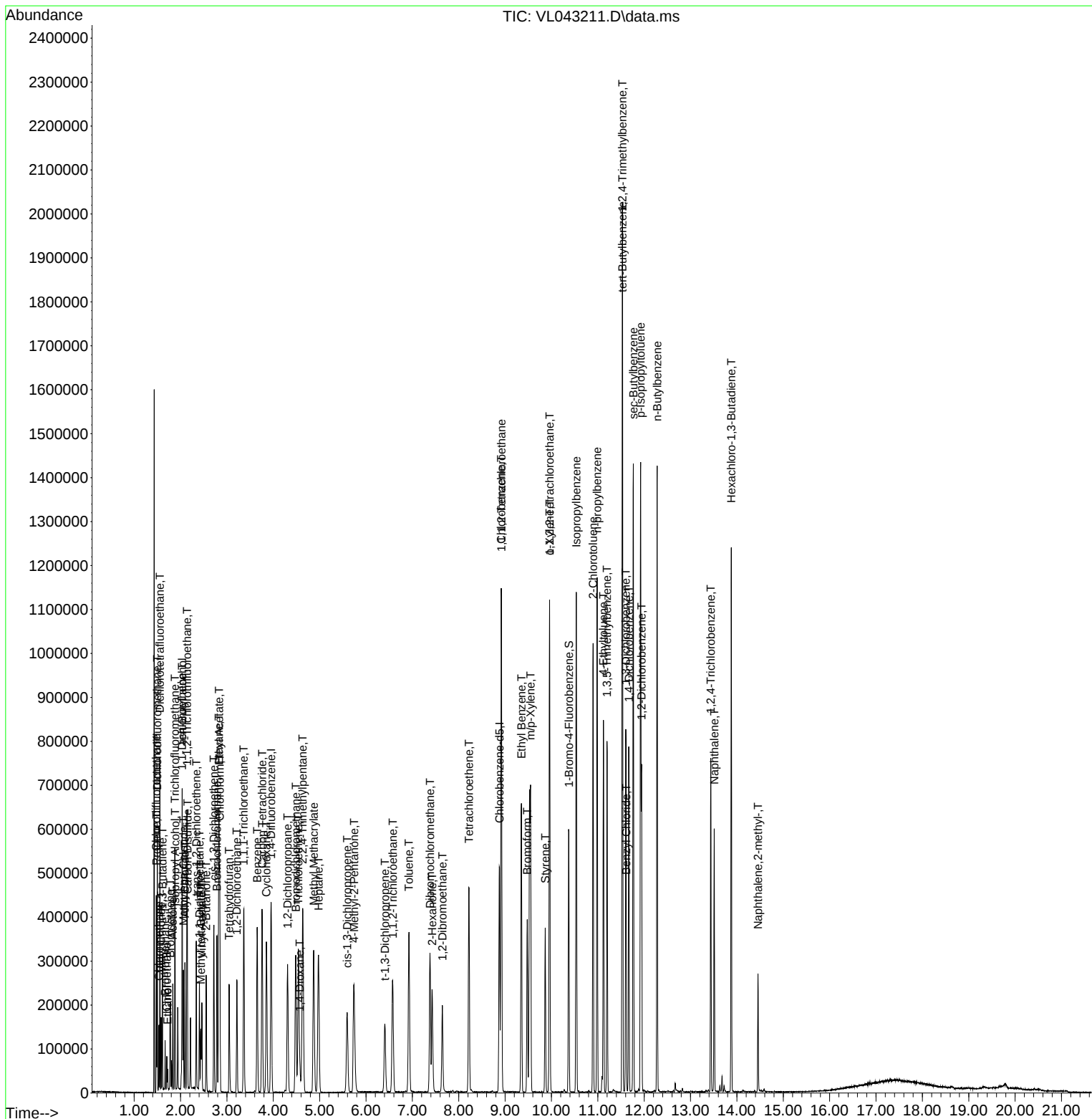
Response via : Initial Calibration

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

Manual Integrations APPROVED

Quant Time: Nov 19 01:34:00 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



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>Q3798</u>
Instrument ID:	<u>MSVOA_L</u>	Calibration Date/Time:	<u>12/08/2025 08:44</u>
Lab File ID:	<u>VL043305.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	0.526		-8.84	30
1,1-Dichloroethane	1.096	1.133		3.38	30
cis-1,2-Dichloroethene	1.306	1.287		-1.46	30
1,1,1-Trichloroethane	1.990	2.167		8.89	30
Trichloroethene	0.375	0.424		13.07	30
Tetrachloroethene	0.356	0.385		8.15	30
1-Bromo-4-Fluorobenzene	0.733	0.753		2.73	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\VL120825\
 Data File : VL043305.D
 Acq On : 08 Dec 2025 08:44
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Dec 09 00:07:49 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/09/2025
 Supervised By : Mahesh Dadoda 12/11/2025

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

Internal Standards						
1) Bromochloromethane	2.781	49	129333	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	319801	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	246102	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.367 95 185245 10.269 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	194161	10.644	ppbv	98
3) Chlorodifluoromethane	1.473	51	181461	10.115	ppbv	95
4) Chloromethane	1.531	50	69866	10.244	ppbv	96
5) Vinyl Chloride	1.580	62	68051	9.124	ppbv	98
6) Bromomethane	1.667	94	33036	9.137	ppbv	97
7) Chloroethane	1.703	64	28027	9.648	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	158307	10.433	ppbv	97
9) Propene	1.479	41	71565	9.394	ppbv #	1
10) Heptane	4.969	43	214107	9.444	ppbv	99
11) Trichlorofluoromethane	1.874	101	201211	11.385	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.136	101	154240	11.178	ppbv	97
13) Ethanol	1.719	45	22019	8.220	ppbv	97
14) Bromoethene	1.780	108	55354	10.465	ppbv	96
15) Acetone	1.832	43	154196	8.581	ppbv	99
16) 1,3-Butadiene	1.606	39	76902	9.600	ppbv	97
17) tert-Butyl alcohol	2.036	59	210170	8.911	ppbv	98
18) 1,1-Dichloroethene	2.030	96	67377	10.487	ppbv	94
19) Isopropyl Alcohol	1.884	45	84553	8.327	ppbv #	86
20) Methylene Chloride	2.059	84	60771	11.604	ppbv	96
21) Allyl Chloride	2.091	41	105856	8.756	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	75565	10.291	ppbv	94
23) Vinyl Acetate	2.457	43	204427	9.424	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	146480	10.334	ppbv	98
25) Ethyl Acetate	2.829	43	373216	9.630	ppbv	99
26) Hexane	2.819	57	168150	9.897	ppbv	98
27) Carbon Disulfide	2.146	76	188702	10.878	ppbv	99
28) Methyl tert-Butyl Ether	2.434	73	84588	10.142	ppbv	96
29) Chloroform	2.842	83	280385	11.610	ppbv	97
30) Cyclohexane	3.845	84	138616	9.731	ppbv	94
31) cis-1,2-Dichloroethene	2.716	61	166393	9.853	ppbv	96
32) 1,1,1-Trichloroethane	3.360	97	280239	10.886	ppbv	99
34) 2-Butanone	2.551	43	234600	10.392	ppbv	100
35) Carbon Tetrachloride	3.752	117	294900	12.149	ppbv	98
36) Benzene	3.648	78	339149	11.074	ppbv	99
37) 1,2-Dichloroethane	3.211	62	209977	11.721	ppbv	98
38) Trichloroethene	4.535	130	135509	11.309	ppbv	98
39) 1,2-Dichloropropane	4.302	63	121360	10.827	ppbv	87
40) 1,4-Dioxane	4.564	88	44522	8.836	ppbv #	98
41) Tetrahydrofuran	3.046	42	120028	9.628	ppbv	98
42) Bromodichloromethane	4.477	83	299904	12.136	ppbv	99
43) Methyl Methacrylate	4.865	69	152174	9.361	ppbv	98
44) 2,2,4-Trimethylpentane	4.629	57	573790	10.909	ppbv	99
45) t-1,3-Dichloropropene	6.402	75	117128	7.729	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043305.D
 Acq On : 08 Dec 2025 08:44
 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 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 00:07:49 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	5.580	75	146255m	8.219	ppbv	
47) 1,1,2-Trichloroethane	6.564	97	135385	11.381	ppbv	95
48) Dibromochloromethane	7.370	129	240386	11.753	ppbv	99
49) Bromoform	9.471	173	217719	12.018	ppbv	98
50) 4-Methyl-2-Pentanone	5.729	43	310023	9.749	ppbv	97
51) 2-Hexanone	7.419	43	219906	8.905	ppbv #	99
52) Tetrachloroethene	8.212	164	123188	10.813	ppbv	98
53) Toluene	6.920	91	368638	10.165	ppbv	100
54) 1,2-Dibromoethane	7.636	107	185272	10.583	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.914	131	231860	12.819	ppbv	97
57) Chlorobenzene	8.911	112	301763	11.943	ppbv	95
58) Ethyl Benzene	9.344	91	527984	11.146	ppbv	95
59) m/p-Xylene	9.522	91	897418m	23.631	ppbv	
60) o-Xylene	9.953	91	447628	11.799	ppbv	99
61) Styrene	9.859	104	167047	10.061	ppbv	99
62) Isopropylbenzene	10.529	105	797107	11.744	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	290145	12.020	ppbv	99
64) n-propylbenzene	10.979	120	205431	11.779	ppbv	99
65) tert-Butylbenzene	11.523	119	694372	11.455	ppbv	100
66) Benzyl Chloride	11.607	91	30971	5.035	ppbv	98
67) sec-Butylbenzene	11.759	105	982704	11.615	ppbv	99
69) p-Isopropyltoluene	11.918	119	812059	11.330	ppbv	99
70) n-Butylbenzene	12.274	91	780968	11.231	ppbv	99
71) 2-Chlorotoluene	10.892	91	588943	11.289	ppbv	99
72) 4-Ethyltoluene	11.118	105	539530	11.678	ppbv	99
73) 1,3,5-Trimethylbenzene	11.196	105	445981	11.503	ppbv	97
74) 1,2,4-Trimethylbenzene	11.529	105	499268	11.800	ppbv	91
75) 1,3-Dichlorobenzene	11.597	146	298569	12.092	ppbv	98
76) 1,4-Dichlorobenzene	11.662	146	298168	12.074	ppbv	99
77) 1,2-Dichlorobenzene	11.937	146	286499	12.068	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	220765	11.143	ppbv	99
79) Naphthalene	13.507	128	403341	10.733	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	91763	9.302	ppbv	97
81) 1,2,4-Trichlorobenzene	13.432	180	202078	12.024	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043305.D
 Acq On : 08 Dec 2025 08:44
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Dec 09 00:07:49 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	123	0.00
2 T	Dichlorodifluoromethane	1.410	1.501	-6.5	138	0.00
3	Chlorodifluoromethane	1.387	1.403	-1.2	131	0.00
4	Chloromethane	0.527	0.540	-2.5	133	0.00
5 T	Vinyl Chloride	0.577	0.526	8.8	133	0.00
6 T	Bromomethane	0.280	0.255	8.9	124	0.00
7	Chloroethane	0.225	0.217	3.6	138	0.00
8 T	Dichlorotetrafluoroethane	1.173	1.224	-4.3	138	0.00
9 T	Propene	0.589	0.553	6.1	136	0.00
10 T	Heptane	1.753	1.655	5.6	127	0.00
11 T	Trichlorofluoromethane	1.367	1.556	-13.8	154#	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.067	1.193	-11.8	149	0.00
13	Ethanol	0.207	0.170	17.9	126	0.00
14 T	Bromoethene	0.409	0.428	-4.6	146	0.00
15 T	Acetone	1.389	1.192	14.2	142	0.00
16 T	1,3-Butadiene	0.619	0.595	3.9	133	0.00
17	tert-Butyl alcohol	1.824	1.625	10.9	117	0.00
18 T	1,1-Dichloroethene	0.497	0.521	-4.8	145	0.00
19 T	Isopropyl Alcohol	0.785	0.654	16.7	118	0.00
20 T	Methylene Chloride	0.600	0.470	21.7	145	0.00
21 T	Allyl Chloride	0.935	0.818	12.5	119	0.00
22 T	trans-1,2-Dichloroethene	0.568	0.584	-2.8	144	0.00
23 T	Vinyl Acetate	1.677	1.581	5.7	120	0.00
24 T	1,1-Dichloroethane	1.096	1.133	-3.4	137	0.00
25 T	Ethyl Acetate	2.996	2.886	3.7	129	0.00
26 T	Hexane	1.314	1.300	1.1	130	0.00
27 T	Carbon Disulfide	1.341	1.459	-8.8	143	0.00
28 T	Methyl tert-Butyl Ether	0.645	0.654	-1.4	136	0.00
29 T	Chloroform	1.867	2.168	-16.1	149	0.00
30 T	Cyclohexane	1.101	1.072	2.6	129	0.00
31 T	cis-1,2-Dichloroethene	1.306	1.287	1.5	128	0.00
32 T	1,1,1-Trichloroethane	1.990	2.167	-8.9	142	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	113	0.00
34 T	2-Butanone	0.706	0.734	-4.0	128	0.00
35 T	Carbon Tetrachloride	0.759	0.922	-21.5	147	0.00
36 T	Benzene	0.958	1.061	-10.8	132	0.00
37 T	1,2-Dichloroethane	0.560	0.657	-17.3	139	0.00
38 T	Trichloroethene	0.375	0.424	-13.1	135	0.00
39 T	1,2-Dichloropropane	0.351	0.379	-8.0	128	0.00
40 T	1,4-Dioxane	0.158	0.139	12.0	110	0.00
41 T	Tetrahydrofuran	0.390	0.375	3.8	115	0.00
42 T	Bromodichloromethane	0.773	0.938	-21.3	142	0.00
43	Methyl Methacrylate	0.508	0.476	6.3	116	0.00
44 T	2,2,4-Trimethylpentane	1.645	1.794	-9.1	130	0.00
45 T	t-1,3-Dichloropropene	0.474	0.366	22.8	91	0.00
46 T	cis-1,3-Dichloropropene	0.556	0.457	17.8	96	0.00
47 T	1,1,2-Trichloroethane	0.372	0.423	-13.7	139	0.00
48 T	Dibromochloromethane	0.640	0.752	-17.5	137	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043305.D
 Acq On : 08 Dec 2025 08:44
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Dec 09 00:07:49 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	0.681	-20.3	138	0.00
50 T	4-Methyl-2-Pentanone	0.994	0.969	2.5	116	0.00
51 T	2-Hexanone	0.772	0.688	10.9	106	0.00
52 T	Tetrachloroethene	0.356	0.385	-8.1	132	0.00
53 T	Toluene	1.134	1.153	-1.7	121	0.00
54 T	1,2-Dibromoethane	0.547	0.579	-5.9	124	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
56	1,1,1,2-Tetrachloroethane	0.735	0.942	-28.2	146	0.00
57 T	Chlorobenzene	1.027	1.226	-19.4	133	0.00
58 T	Ethyl Benzene	1.925	2.145	-11.4	123	0.00
59 T	m/p-Xylene	1.543	1.823	-18.1	133	-0.02
60 T	o-Xylene	1.542	1.819	-18.0	134	0.00
61 T	Styrene	0.675	0.679	-0.6	110	0.00
62	Isopropylbenzene	2.758	3.239	-17.4	133	0.00
63 T	1,1,2,2-Tetrachloroethane	0.981	1.179	-20.2	139	0.00
64	n-propylbenzene	0.709	0.835	-17.8	133	0.00
65	tert-Butylbenzene	2.463	2.821	-14.5	133	0.00
66 T	Benzyl Chloride	0.250	0.126	49.6#	55	0.00
67	sec-Butylbenzene	3.438	3.993	-16.1	135	0.00
68 S	1-Bromo-4-Fluorobenzene	0.733	0.753	-2.7	107	0.00
69	p-Isopropyltoluene	2.912	3.300	-13.3	130	0.00
70	n-Butylbenzene	2.825	3.173	-12.3	126	0.00
71	2-Chlorotoluene	2.120	2.393	-12.9	128	0.00
72 T	4-Ethyltoluene	1.877	2.192	-16.8	131	0.00
73 T	1,3,5-Trimethylbenzene	1.575	1.812	-15.0	130	0.00
74 T	1,2,4-Trimethylbenzene	1.719	2.029	-18.0	137	0.00
75 T	1,3-Dichlorobenzene	1.003	1.213	-20.9	136	0.00
76 T	1,4-Dichlorobenzene	1.003	1.212	-20.8	135	0.00
77 T	1,2-Dichlorobenzene	0.965	1.164	-20.6	140	0.00
78 T	Hexachloro-1,3-Butadiene	0.805	0.897	-11.4	137	0.00
79 T	Naphthalene	1.527	1.639	-7.3	115	0.00
80 T	Naphthalene,2-methyl-	0.401	0.373	7.0	99	0.00
81 T	1,2,4-Trichlorobenzene	0.683	0.821	-20.2	127	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043305.D
 Acq On : 08 Dec 2025 08:44
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Dec 09 00:07:49 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	123	0.00
2 T	Dichlorodifluoromethane	10.000	10.644	-6.4	138	0.00
3	Chlorodifluoromethane	10.000	10.115	-1.2	131	0.00
4	Chloromethane	10.000	10.244	-2.4	133	0.00
5 T	Vinyl Chloride	10.000	9.124	8.8	133	0.00
6 T	Bromomethane	10.000	9.137	8.6	124	0.00
7	Chloroethane	10.000	9.648	3.5	138	0.00
8 T	Dichlorotetrafluoroethane	10.000	10.433	-4.3	138	0.00
9 T	Propene	10.000	9.394	6.1	136	0.00
10 T	Heptane	10.000	9.444	5.6	127	0.00
11 T	Trichlorofluoromethane	10.000	11.385	-13.8	154	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	11.178	-11.8	149	0.00
13	Ethanol	10.000	8.220	17.8	126	0.00
14 T	Bromoethene	10.000	10.465	-4.6	146	0.00
15 T	Acetone	10.000	8.581	14.2	142	0.00
16 T	1,3-Butadiene	10.000	9.600	4.0	133	0.00
17	tert-Butyl alcohol	10.000	8.911	10.9	117	0.00
18 T	1,1-Dichloroethene	10.000	10.487	-4.9	145	0.00
19 T	Isopropyl Alcohol	10.000	8.327	16.7	118	0.00
20 T	Methylene Chloride	10.000	11.604	-16.0	145	0.00
21 T	Allyl Chloride	10.000	8.756	12.4	119	0.00
22 T	trans-1,2-Dichloroethene	10.000	10.291	-2.9	144	0.00
23 T	Vinyl Acetate	10.000	9.424	5.8	120	0.00
24 T	1,1-Dichloroethane	10.000	10.334	-3.3	137	0.00
25 T	Ethyl Acetate	10.000	9.630	3.7	129	0.00
26 T	Hexane	10.000	9.897	1.0	130	0.00
27 T	Carbon Disulfide	10.000	10.878	-8.8	143	0.00
28 T	Methyl tert-Butyl Ether	10.000	10.142	-1.4	136	0.00
29 T	Chloroform	10.000	11.610	-16.1	149	0.00
30 T	Cyclohexane	10.000	9.731	2.7	129	0.00
31 T	cis-1,2-Dichloroethene	10.000	9.853	1.5	128	0.00
32 T	1,1,1-Trichloroethane	10.000	10.886	-8.9	142	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	113	0.00
34 T	2-Butanone	10.000	10.392	-3.9	128	0.00
35 T	Carbon Tetrachloride	10.000	12.149	-21.5	147	0.00
36 T	Benzene	10.000	11.074	-10.7	132	0.00
37 T	1,2-Dichloroethane	10.000	11.721	-17.2	139	0.00
38 T	Trichloroethene	10.000	11.309	-13.1	135	0.00
39 T	1,2-Dichloropropane	10.000	10.827	-8.3	128	0.00
40 T	1,4-Dioxane	10.000	8.836	11.6	110	0.00
41 T	Tetrahydrofuran	10.000	9.628	3.7	115	0.00
42 T	Bromodichloromethane	10.000	12.136	-21.4	142	0.00
43	Methyl Methacrylate	10.000	9.361	6.4	116	0.00
44 T	2,2,4-Trimethylpentane	10.000	10.909	-9.1	130	0.00
45 T	t-1,3-Dichloropropene	10.000	7.729	22.7	91	0.00
46 T	cis-1,3-Dichloropropene	10.000	8.219	17.8	96	0.00
47 T	1,1,2-Trichloroethane	10.000	11.381	-13.8	139	0.00
48 T	Dibromochloromethane	10.000	11.753	-17.5	137	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043305.D
 Acq On : 08 Dec 2025 08:44
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Dec 09 00:07:49 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	12.018	-20.2	138	0.00
50 T	4-Methyl-2-Pentanone	10.000	9.749	2.5	116	0.00
51 T	2-Hexanone	10.000	8.905	11.0	106	0.00
52 T	Tetrachloroethene	10.000	10.813	-8.1	132	0.00
53 T	Toluene	10.000	10.165	-1.6	121	0.00
54 T	1,2-Dibromoethane	10.000	10.583	-5.8	124	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	105	0.00
56	1,1,1,2-Tetrachloroethane	10.000	12.819	-28.2	146	0.00
57 T	Chlorobenzene	10.000	11.943	-19.4	133	0.00
58 T	Ethyl Benzene	10.000	11.146	-11.5	123	0.00
59 T	m/p-Xylene	20.000	23.631	-18.2	133	-0.02
60 T	o-Xylene	10.000	11.799	-18.0	134	0.00
61 T	Styrene	10.000	10.061	-0.6	110	0.00
62	Isopropylbenzene	10.000	11.744	-17.4	133	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	12.020	-20.2	139	0.00
64	n-propylbenzene	10.000	11.779	-17.8	133	0.00
65	tert-Butylbenzene	10.000	11.455	-14.6	133	0.00
66 T	Benzyl Chloride	10.000	5.035	49.6#	55	0.00
67	sec-Butylbenzene	10.000	11.615	-16.2	135	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	10.269	-2.7	107	0.00
69	p-Isopropyltoluene	10.000	11.330	-13.3	130	0.00
70	n-Butylbenzene	10.000	11.231	-12.3	126	0.00
71	2-Chlorotoluene	10.000	11.289	-12.9	128	0.00
72 T	4-Ethyltoluene	10.000	11.678	-16.8	131	0.00
73 T	1,3,5-Trimethylbenzene	10.000	11.503	-15.0	130	0.00
74 T	1,2,4-Trimethylbenzene	10.000	11.800	-18.0	137	0.00
75 T	1,3-Dichlorobenzene	10.000	12.092	-20.9	136	0.00
76 T	1,4-Dichlorobenzene	10.000	12.074	-20.7	135	0.00
77 T	1,2-Dichlorobenzene	10.000	12.068	-20.7	140	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	11.143	-11.4	137	0.00
79 T	Naphthalene	10.000	10.733	-7.3	115	0.00
80 T	Naphthalene,2-methyl-	10.000	9.302	7.0	99	0.00
81 T	1,2,4-Trichlorobenzene	10.000	12.024	-20.2	127	0.00

(#) = Out of Range

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



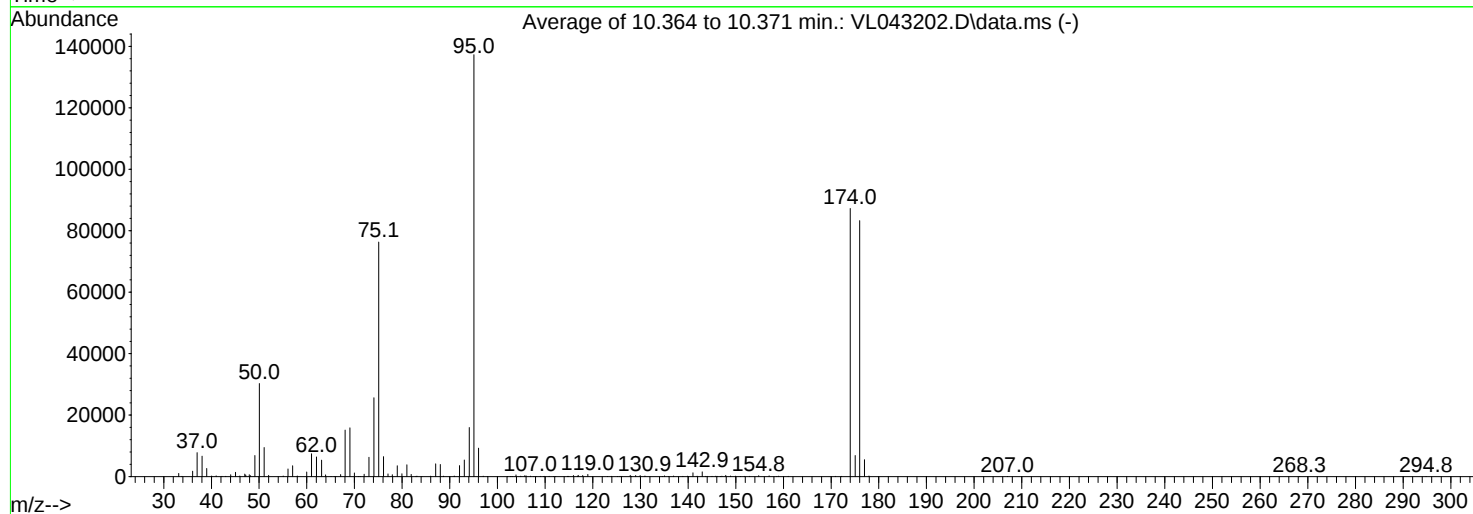
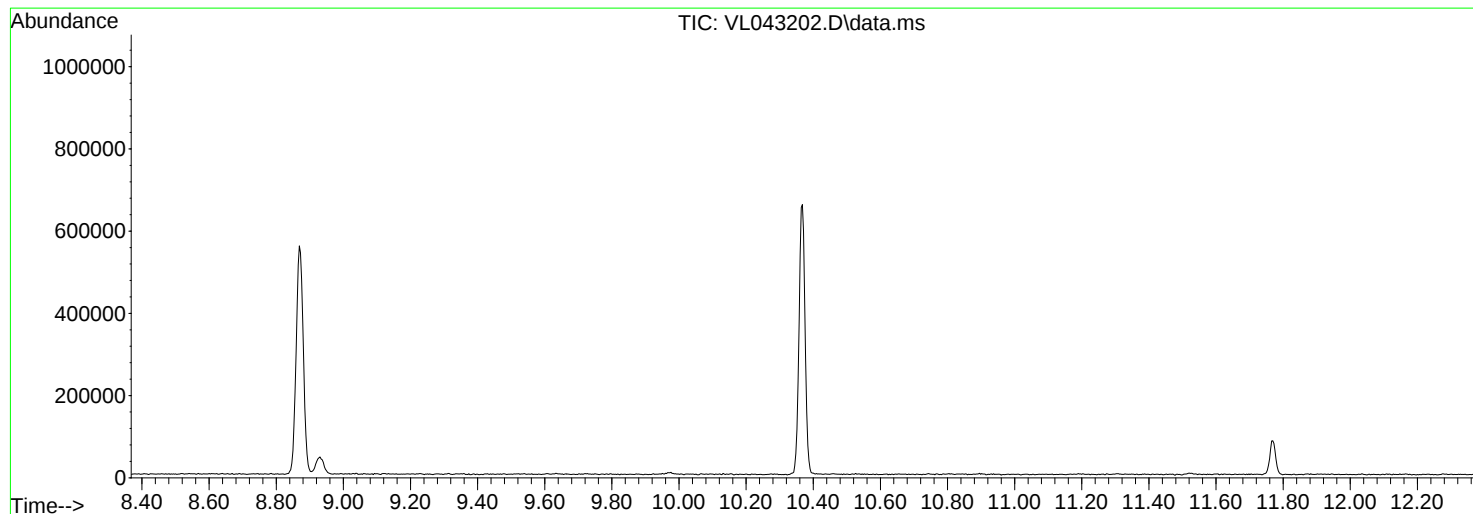
QC SAMPLE DATA

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

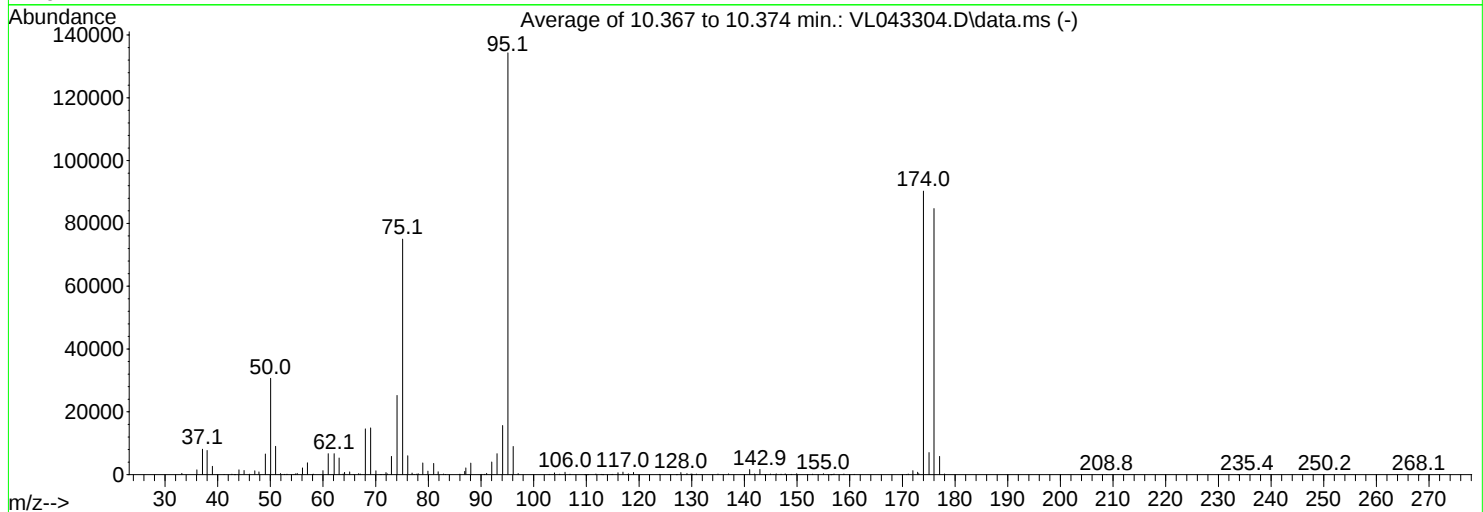
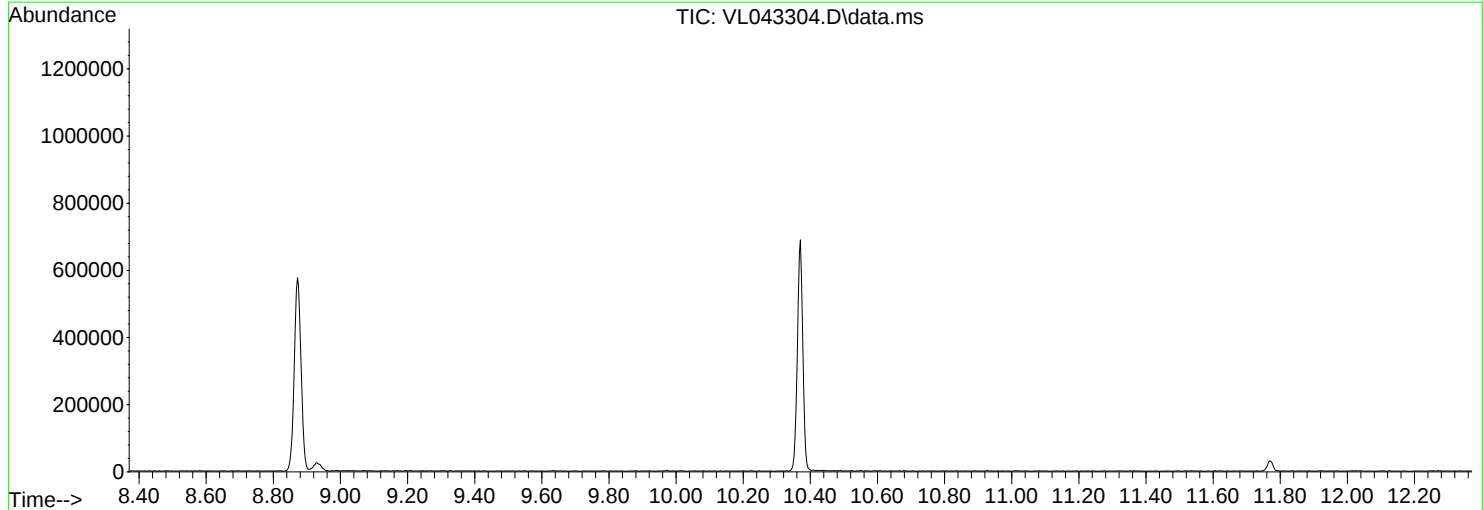
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.00	28						
268.30	20						
294.80	17						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043304.D
Acq On : 08 Dec 2025 07:56
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 3176, 3177, 3178; Background Corrected with Scan 3162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.8	30677	PASS
75	95	30	66	55.8	74976	PASS
95	95	100	100	100.0	134320	PASS
96	95	5	9	6.7	8968	PASS
173	174	0.00	2	0.9	774	PASS
174	95	50	120	67.2	90299	PASS
175	174	4	9	7.8	7010	PASS
176	174	93	101	93.8	84736	PASS
177	176	5	9	6.8	5800	PASS

Average of 10.367 to 10.374 min.: VL043304.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.20	412	47.05	1211	56.10	2151	65.85	71
36.05	1537	47.85	883	57.05	3791	66.75	29
37.10	8108	49.05	6574	58.00	87	67.05	22
38.00	7724	50.05	30677	58.15	144	68.05	1458
39.00	2675	51.00	9026	60.00	1280	69.05	14873
41.20	58	51.95	352	61.00	6682	70.05	1219
42.70	142	52.70	80	62.10	6686	70.90	41
43.20	18	53.15	172	63.05	5301	71.15	39
44.05	1520	54.50	37	63.80	190	71.60	36
45.00	1337	54.80	241	64.10	735	71.95	673
46.05	161	55.10	407	65.05	876	72.20	234

Average of 10.367 to 10.374 min.: VL043304.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
73.00	5829	81.85	925	93.05	6657	110.20	17
74.05	25208	82.90	215	94.10	15627	111.80	208
75.10	74976	83.25	61	95.10	134320	112.80	82
76.10	6025	86.00	142	96.10	8968	113.10	18
76.90	491	86.90	1029	97.05	342	114.70	38
77.30	59	87.10	2128	102.95	92	115.00	94
77.80	177	88.05	3657	103.95	578	116.00	619
78.05	291	90.00	128	104.95	165	116.95	795
78.95	3704	90.70	92	105.95	748	117.80	107
79.90	1113	91.05	427	106.90	143	118.00	233
81.00	3576	92.05	4014	109.70	22	118.95	739

Average of 10.367 to 10.374 min.: VL043304.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
123.90	119	141.00	1621	149.95	311	171.10	184
125.95	44	141.95	220	152.00	33	172.00	1272
127.10	22	142.95	1671	152.95	137	172.90	774
127.95	650	143.90	18	155.00	333	173.10	296
129.10	355	144.10	40	155.90	33	174.00	90299
129.90	284	144.95	216	156.40	21	175.05	7010
130.10	164	145.60	49	156.80	36	176.00	84736
130.90	198	146.05	272	157.00	194	177.05	5800
131.80	35	146.95	146	158.90	191	178.00	190
135.00	227	147.75	244	160.85	110	208.80	33
137.00	260	148.90	86	170.80	55	233.70	17

Average of 10.367 to 10.374 min.: VL043304.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
235.45	47						
250.20	42						
268.10	26						

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	339 Flatbush Ave Brooklyn NY	Date Received:	
Client Sample ID:	VL1208ABL01	SDG No.:	Q3798
Lab Sample ID:	VL1208ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400 mL		

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	12/08/25 09:36	VL120825
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	12/08/25 09:36	VL120825
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	12/08/25 09:36	VL120825
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	12/08/25 09:36	VL120825
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	12/08/25 09:36	VL120825
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	12/08/25 09:36	VL120825
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.10				65 - 135	91% SPK: 10		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	126000							
540-36-3	1,4-Difluorobenzene	313000							
3114-55-4	Chlorobenzene-d5	240000							

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\VL120825\
 Data File : VL043306.D
 Acq On : 08 Dec 2025 09:36
 Operator : SY/MD
 Sample : VL1208ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABL01

Quant Time: Dec 09 00:08:55 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

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

Internal Standards						
1) Bromochloromethane	2.781	49	125653	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	312886	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	239807	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.368	95	159096	9.051	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.500%

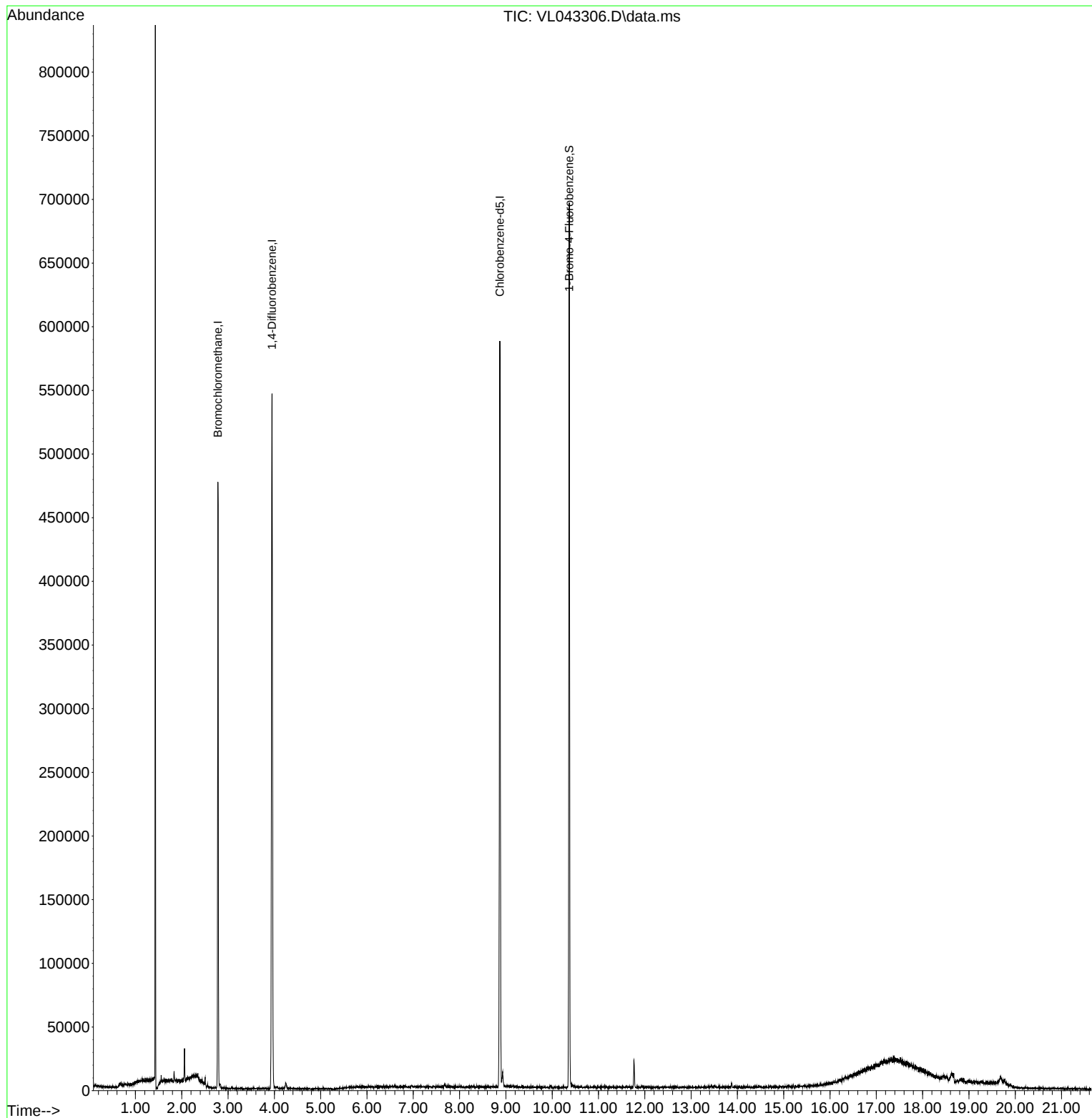
Target Compounds	Qvalue

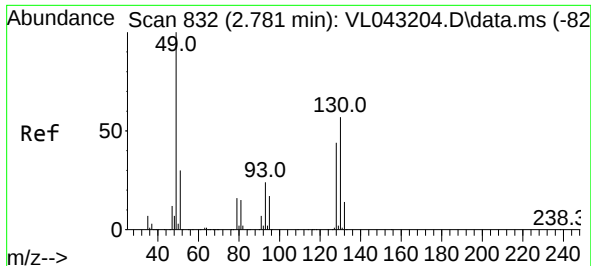
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043306.D
Acq On : 08 Dec 2025 09:36
Operator : SY/MD
Sample : VL1208ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1208ABL01

Quant Time: Dec 09 00:08:55 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

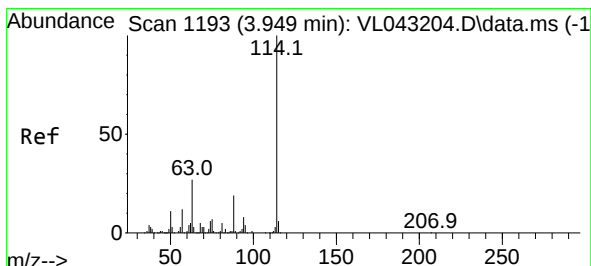
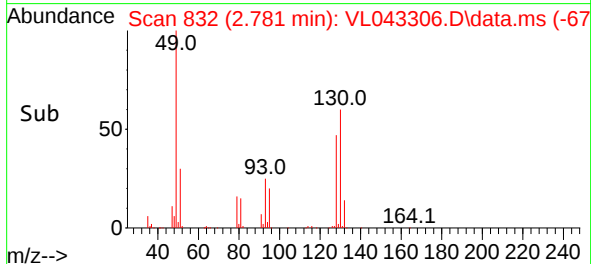
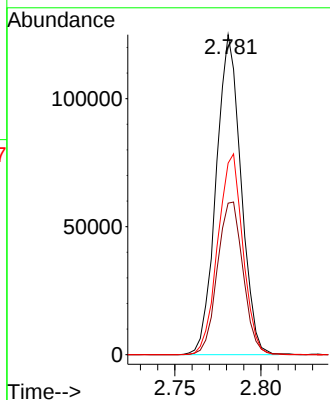
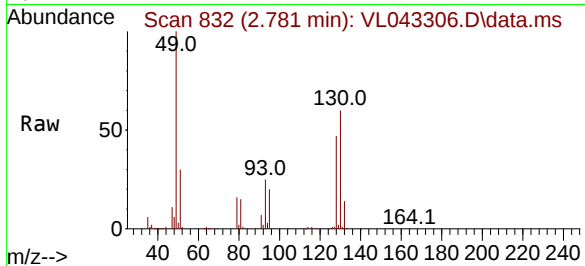




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 832
Delta R.T. -0.000 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

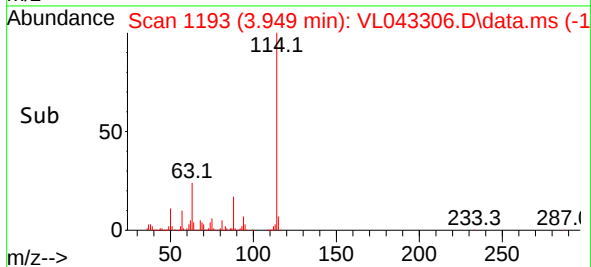
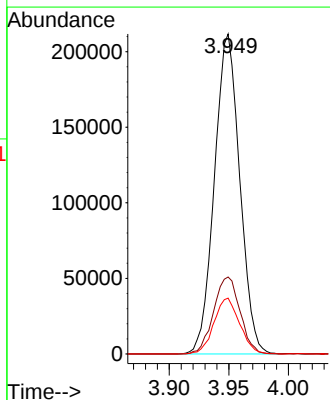
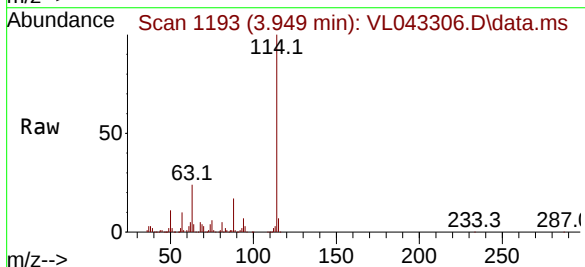
Instrument :
MSVOA_L
ClientSampleId :
VL1208ABL01

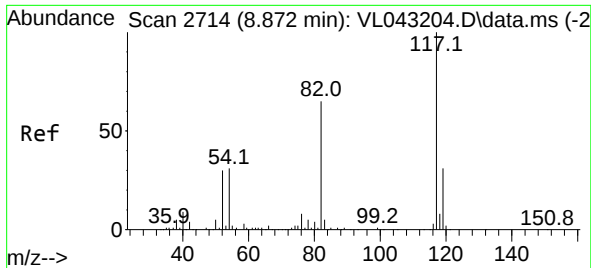
Tgt Ion: 49 Resp: 125653
Ion Ratio Lower Upper
49 100
128 49.3 23.0 69.0
130 63.3 29.9 89.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

Tgt Ion: 114 Resp: 312886
Ion Ratio Lower Upper
114 100
63 25.2 21.0 31.6
88 17.7 14.9 22.3

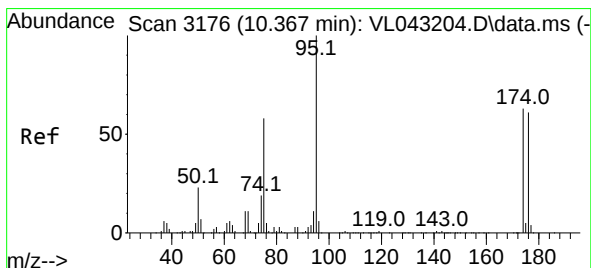
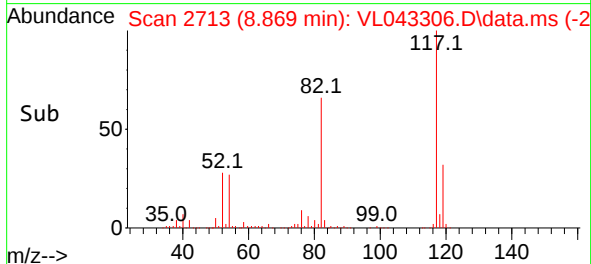
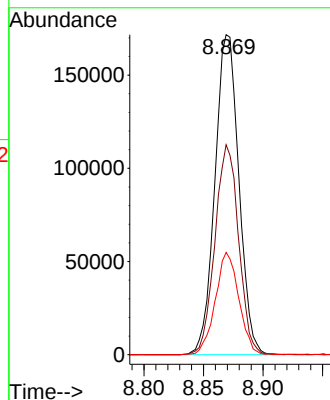
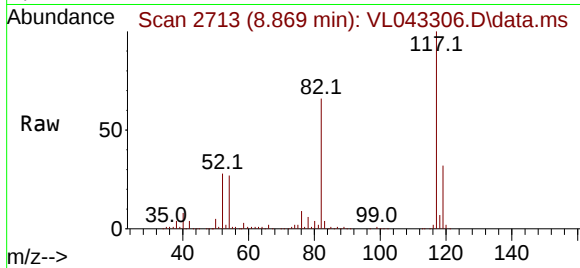




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

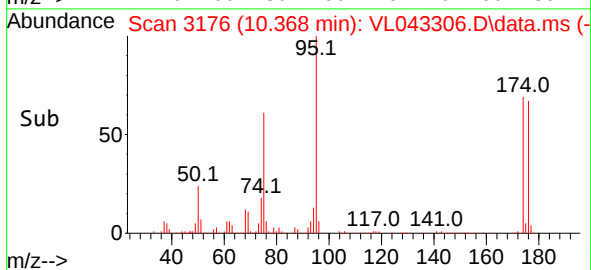
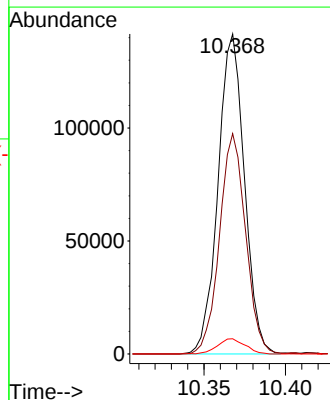
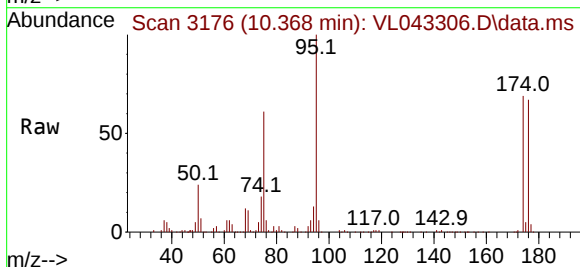
Instrument :
MSVOA_L
ClientSampleId :
VL1208ABL01

Tgt Ion:117 Resp: 239807
Ion Ratio Lower Upper
117 100
82 64.8 56.1 84.1
119 31.5 25.0 37.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.051 ppbv
RT: 10.368 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

Tgt Ion: 95 Resp: 159096
Ion Ratio Lower Upper
95 100
174 68.7 50.2 75.2
175 5.0 4.1 6.1



Report of Analysis

Client: GFE LLC
Project: 339 Flatbush Ave Brooklyn NY
Client Sample ID: VL1208ABS01
Lab Sample ID: VL1208ABS01
Analytical Method: TO-15
Sample Wt/Vol: 400 mL

Date Collected:
Date Received:
SDG No.: Q3798
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	9.20	23.5		1	0.080	0.080	12/08/25 10:24	VL120825
75-34-3	1,1-Dichloroethane	10.5	42.5		1	0.53	2.02	12/08/25 10:24	VL120825
156-59-2	cis-1,2-Dichloroethene	9.90	39.3		1	0.40	1.98	12/08/25 10:24	VL120825
71-55-6	1,1,1-Trichloroethane	10.9	59.5		1	0.11	0.16	12/08/25 10:24	VL120825
79-01-6	Trichloroethene	11.5	61.8		1	0.11	0.16	12/08/25 10:24	VL120825
127-18-4	Tetrachloroethene	11.1	75.3		1	0.14	0.20	12/08/25 10:24	VL120825
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	10.1				65 - 135	101% SPK: 10		
INTERNAL STANDARDS									
		Area Count							
74-97-5	Bromochloromethane	128000							
540-36-3	1,4-Difluorobenzene	319000							
3114-55-4	Chlorobenzene-d5	251000							

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\VL120825\
 Data File : VL043307.D
 Acq On : 08 Dec 2025 10:24
 Operator : SY/MD
 Sample : VL1208ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Quant Time: Dec 09 00:09:13 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/09/2025
 Supervised By : Mahesh Dadoda 12/11/2025

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

Internal Standards						
1) Bromochloromethane	2.777	49	128373	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	319254	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	250711	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 185879 10.115 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	195547	10.800	ppbv	100
3) Chlorodifluoromethane	1.473	51	181736	10.206	ppbv	97
4) Chloromethane	1.531	50	70563	10.423	ppbv	100
5) Vinyl Chloride	1.577	62	67921	9.174	ppbv	93
6) Bromomethane	1.664	94	33521	9.340	ppbv	98
7) Chloroethane	1.700	64	28601	9.919	ppbv	91
8) Dichlorotetrafluoroethane	1.551	85	159668	10.601	ppbv	97
9) Propene	1.479	41	71417	9.445	ppbv #	1
10) Heptane	4.962	43	210516	9.355	ppbv	98
11) Trichlorofluoromethane	1.874	101	196801	11.219	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.133	101	153996	11.244	ppbv	97
13) Ethanol	1.716	45	23202	8.726	ppbv	97
14) Bromoethene	1.777	108	55304	10.533	ppbv	94
15) Acetone	1.829	43	152789	8.567	ppbv	99
16) 1,3-Butadiene	1.606	39	76687	9.645	ppbv	97
17) tert-Butyl alcohol	2.033	59	209336	8.942	ppbv	100
18) 1,1-Dichloroethene	2.030	96	65282	10.237	ppbv	93
19) Isopropyl Alcohol	1.881	45	85723	8.506	ppbv #	86
20) Methylene Chloride	2.056	84	60065	11.551	ppbv	95
21) Allyl Chloride	2.091	41	105272	8.773	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	75422	10.348	ppbv	95
23) Vinyl Acetate	2.454	43	197206	9.159	ppbv #	98
24) 1,1-Dichloroethane	2.402	63	147058	10.453	ppbv	98
25) Ethyl Acetate	2.826	43	372295	9.678	ppbv	99
26) Hexane	2.816	57	166920	9.898	ppbv	98
27) Carbon Disulfide	2.146	76	190369	11.057	ppbv	99
28) Methyl tert-Butyl Ether	2.431	73	77723	9.389	ppbv	98
29) Chloroform	2.839	83	280544	11.703	ppbv	98
30) Cyclohexane	3.842	84	136887	9.681	ppbv	95
31) cis-1,2-Dichloroethene	2.713	61	166197	9.915	ppbv	94
32) 1,1,1-Trichloroethane	3.357	97	278163	10.886	ppbv	99
34) 2-Butanone	2.548	43	232285	10.307	ppbv	99
35) Carbon Tetrachloride	3.752	117	293430	12.109	ppbv	100
36) Benzene	3.645	78	342251	11.194	ppbv	99
37) 1,2-Dichloroethane	3.208	62	212457	11.880	ppbv	98
38) Trichloroethene	4.532	130	137474	11.493	ppbv	98
39) 1,2-Dichloropropane	4.295	63	122348	10.934	ppbv	92
40) 1,4-Dioxane	4.564	88	43982	8.743	ppbv #	97
41) Tetrahydrofuran	3.043	42	121301	9.747	ppbv	98
42) Bromodichloromethane	4.473	83	296233	12.008	ppbv	97
43) Methyl Methacrylate	4.862	69	156667	9.654	ppbv	95
44) 2,2,4-Trimethylpentane	4.625	57	569168	10.839	ppbv	98
45) t-1,3-Dichloropropene	6.393	75	118391	7.826	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043307.D
 Acq On : 08 Dec 2025 10:24
 Operator : SY/MD
 Sample : VL1208ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 00:09:13 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	5.580	75	146637	8.255	ppbv	94
47) 1,1,2-Trichloroethane	6.561	97	137247	11.557	ppbv	98
48) Dibromochloromethane	7.370	129	240784	11.793	ppbv	99
49) Bromoform	9.471	173	220417	12.188	ppbv	99
50) 4-Methyl-2-Pentanone	5.723	43	315888	9.951	ppbv	98
51) 2-Hexanone	7.415	43	223708	9.075	ppbv #	98
52) Tetrachloroethene	8.208	164	125681	11.051	ppbv	96
53) Toluene	6.914	91	374608	10.347	ppbv	99
54) 1,2-Dibromoethane	7.636	107	183811	10.518	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.911	131	229368	12.449	ppbv	99
57) Chlorobenzene	8.908	112	305509	11.869	ppbv	99
58) Ethyl Benzene	9.341	91	538550	11.161	ppbv	97
59) m/p-Xylene	9.539	91	909288m	23.503	ppbv	
60) o-Xylene	9.950	91	446789	11.560	ppbv	98
61) Styrene	9.859	104	167877	9.925	ppbv	99
62) Isopropylbenzene	10.529	105	805674	11.652	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.950	83	285542	11.611	ppbv	99
64) n-propylbenzene	10.979	120	208180	11.718	ppbv	96
65) tert-Butylbenzene	11.523	119	696094	11.273	ppbv	100
66) Benzyl Chloride	11.604	91	31638	5.049	ppbv	98
67) sec-Butylbenzene	11.759	105	973259	11.291	ppbv	99
69) p-Isopropyltoluene	11.914	119	808286	11.070	ppbv	99
70) n-Butylbenzene	12.270	91	780553	11.019	ppbv	100
71) 2-Chlorotoluene	10.888	91	584474	10.997	ppbv	99
72) 4-Ethyltoluene	11.115	105	540638	11.487	ppbv	99
73) 1,3,5-Trimethylbenzene	11.193	105	451214	11.424	ppbv	96
74) 1,2,4-Trimethylbenzene	11.526	105	496984	11.530	ppbv	100
75) 1,3-Dichlorobenzene	11.597	146	297680	11.834	ppbv	98
76) 1,4-Dichlorobenzene	11.662	146	298352	11.859	ppbv	98
77) 1,2-Dichlorobenzene	11.937	146	285835	11.819	ppbv	98
78) Hexachloro-1,3-Butadiene	13.873	225	220056	10.903	ppbv	99
79) Naphthalene	13.504	128	409312	10.692	ppbv	97
80) Naphthalene,2-methyl-	14.449	142	92975	9.252	ppbv	99
81) 1,2,4-Trichlorobenzene	13.432	180	204005	11.915	ppbv	98

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

Manual Integrations

Quant Time: Dec 09 00:09:13 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



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

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:	VL120825	Instrument	MSVOA_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL043305.D	cis-1,3-Dichloropropene	sam	12/9/2025 7:58:25 AM	 	 	Peak Integrated by Software
VSTDCCC010	VL043305.D	m/p-Xylene	sam	12/9/2025 7:58:25 AM	 	 	Peak Integrated by Software
VL1208ABS01	VL043307.D	m/p-Xylene	sam	12/9/2025 7:58:29 AM	 	 	Peak Integrated by Software
Q3799-01DUP	VL043311.D	Carbon Tetrachloride	sam	12/9/2025 8:03:02 AM	 	 	Peak Integrated by Software
Q3799-01DUP	VL043311.D	Chlorodifluoromethane	sam	12/9/2025 8:03:02 AM	 	 	Peak Integrated by Software
Q3799-01DUP	VL043311.D	Toluene	sam	12/9/2025 8:03:02 AM	 	 	Peak Integrated by Software
Q3798-02	VL043320.D	2,2,4-Trimethylpentane	sam	12/9/2025 8:03:36 AM	 	 	Peak Integrated by Software
Q3798-02	VL043320.D	Carbon Tetrachloride	sam	12/9/2025 8:03:36 AM	 	 	Peak Integrated by Software
Q3798-02	VL043320.D	Chlorodifluoromethane	sam	12/9/2025 8:03:36 AM	 	 	Peak Integrated by Software
Q3798-02	VL043320.D	m/p-Xylene	sam	12/9/2025 8:03:36 AM	 	 	Peak Integrated by Software
Q3798-02	VL043320.D	Tetrachloroethene	sam	12/9/2025 8:03:36 AM	 	 	Peak Integrated by Software
Q3798-03	VL043321.D	2,2,4-Trimethylpentane	sam	12/9/2025 8:03:41 AM	 	 	Peak Integrated by Software
Q3798-03	VL043321.D	Carbon Tetrachloride	sam	12/9/2025 8:03:41 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

VL120825

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3798-03	VL043321.D	Chlorodifluoromethane	sam	12/9/2025 8:03:41 AM	 	 	Peak Integrated by Software
Q3798-03	VL043321.D	Heptane	sam	12/9/2025 8:03:41 AM	 	 	Peak Integrated by Software
Q3798-03	VL043321.D	m/p-Xylene	sam	12/9/2025 8:03:41 AM	 	 	Peak Integrated by Software
Q3798-01	VL043329.D	Chlorodifluoromethane	sam	12/9/2025 8:02:34 AM	 	 	Peak Integrated by Software
Q3798-01	VL043329.D	m/p-Xylene	sam	12/9/2025 8:02:34 AM	 	 	Peak Integrated by Software
Q3798-01	VL043329.D	Tetrachloroethene	sam	12/9/2025 8:02:34 AM	 	 	Peak Integrated by Software
Q3798-01	VL043329.D	Toluene	sam	12/9/2025 8:02:34 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	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					

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 # VL120825

Review By	Semsettin Yesilyurt	Review On	12/9/2025 8:08:46 AM		
Supervise By	John Carlone	Supervise On	12/9/2025 1:27:26 PM		
SubDirectory	VL120825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2692			
Initial Calibration Stds		AP2694,AP2695,AP2696			
CCC		AP2694			
Internal Standard/PEM		AP2692			
ICV/I.BLK		AP2697			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043304.D	08 Dec 2025 07:56	SY/MD	Ok
2	VSTDCCC010	VL043305.D	08 Dec 2025 08:44	SY/MD	Ok,NS
3	VL1208ABL01	VL043306.D	08 Dec 2025 09:36	SY/MD	Ok
4	VL1208ABS01	VL043307.D	08 Dec 2025 10:24	SY/MD	Ok,NS
5	QC120225 CAN 10297	VL043308.D	08 Dec 2025 11:11	SY/MD	Ok
6	QC120425 CAN 10606	VL043309.D	08 Dec 2025 11:44	SY/MD	Ok
7	Q3799-01	VL043310.D	08 Dec 2025 12:40	SY/MD	Ok,NS
8	Q3799-01DUP	VL043311.D	08 Dec 2025 13:16	SY/MD	Ok,NS
9	Q3799-02	VL043312.D	08 Dec 2025 13:52	SY/MD	Ok,NS
10	Q3799-03	VL043313.D	08 Dec 2025 14:29	SY/MD	Dilution
11	Q3799-04	VL043314.D	08 Dec 2025 15:37	SY/MD	Ok,NS
12	Q3799-05	VL043315.D	08 Dec 2025 16:25	SY/MD	Ok,NS
13	Q3799-06	VL043316.D	08 Dec 2025 17:00	SY/MD	Dilution
14	Q3797-02	VL043317.D	08 Dec 2025 17:36	SY/MD	Ok,NS
15	Q3797-04	VL043318.D	08 Dec 2025 18:11	SY/MD	Ok,NS
16	Q3797-05	VL043319.D	08 Dec 2025 18:46	SY/MD	Ok,NS
17	Q3798-02	VL043320.D	08 Dec 2025 19:21	SY/MD	Ok,NS
18	Q3798-03	VL043321.D	08 Dec 2025 19:56	SY/MD	Ok,NS
19	Q3799-03DL	VL043322.D	08 Dec 2025 20:50	SY/MD	Dilution
20	Q3799-03DL2	VL043323.D	08 Dec 2025 21:23	SY/MD	Not Ok
21	Q3799-06DL	VL043324.D	08 Dec 2025 21:56	SY/MD	Ok

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL120825

Review By	Semsettin Yesilyurt	Review On	12/9/2025 8:08:46 AM		
Supervise By	John Carlone	Supervise On	12/9/2025 1:27:26 PM		
SubDirectory	VL120825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2692			
Initial Calibration Stds		AP2694,AP2695,AP2696			
CCC		AP2694			
Internal Standard/PEM		AP2692			
ICV/I.BLK		AP2697			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q3797-01	VL043325.D	08 Dec 2025 22:28	SY/MD	Ok,NS
23	Q3797-01DL	VL043326.D	08 Dec 2025 23:01	SY/MD	Not Ok
24	Q3797-03	VL043327.D	08 Dec 2025 23:34	SY/MD	Ok,NS
25	Q3797-03DL	VL043328.D	09 Dec 2025 00:06	SY/MD	Not Ok
26	Q3798-01	VL043329.D	09 Dec 2025 00:38	SY/MD	Ok,NS
27	Q3798-01DL	VL043330.D	09 Dec 2025 01:11	SY/MD	Not Ok
28	Q3799-03DL2	VL043331.D	09 Dec 2025 07:30	SY/MD	Ok,NR

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 # VL120825

Review By	Semsettin Yesilyurt	Review On	12/9/2025 8:08:46 AM		
Supervise By	John Carlone	Supervise On	12/9/2025 1:27:26 PM		
SubDirectory	VL120825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2692
Initial Calibration Stds	AP2694,AP2695,AP2696
CCC	AP2694
Internal Standard/PEM	AP2692
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	VL043304.D	08 Dec 2025 07:56		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL043305.D	08 Dec 2025 08:44		SY/MD	Ok,NS
3	VL1208ABL01	VL1208ABL01	VL043306.D	08 Dec 2025 09:36		SY/MD	Ok
4	VL1208ABS01	VL1208ABS01	VL043307.D	08 Dec 2025 10:24		SY/MD	Ok,NS
5	QC120225 CAN 10297	QC120225 CAN 10297	VL043308.D	08 Dec 2025 11:11		SY/MD	Ok
6	QC120425 CAN 10606	QC120425 CAN 10606	VL043309.D	08 Dec 2025 11:44		SY/MD	Ok
7	Q3799-01	AA-1	VL043310.D	08 Dec 2025 12:40		SY/MD	Ok,NS
8	Q3799-01DUP	AA-1DUP	VL043311.D	08 Dec 2025 13:16		SY/MD	Ok,NS
9	Q3799-02	9B-IA-1	VL043312.D	08 Dec 2025 13:52		SY/MD	Ok,NS
10	Q3799-03	10-IA-1	VL043313.D	08 Dec 2025 14:29	Need 10X	SY/MD	Dilution
11	Q3799-04	11-IA-1	VL043314.D	08 Dec 2025 15:37		SY/MD	Ok,NS
12	Q3799-05	13-IA-1	VL043315.D	08 Dec 2025 16:25		SY/MD	Ok,NS
13	Q3799-06	16-IA-1	VL043316.D	08 Dec 2025 17:00	Need 10X	SY/MD	Dilution
14	Q3797-02	IA1	VL043317.D	08 Dec 2025 17:36		SY/MD	Ok,NS
15	Q3797-04	IA2	VL043318.D	08 Dec 2025 18:11		SY/MD	Ok,NS
16	Q3797-05	OA1	VL043319.D	08 Dec 2025 18:46		SY/MD	Ok,NS
17	Q3798-02	IA1	VL043320.D	08 Dec 2025 19:21		SY/MD	Ok,NS
18	Q3798-03	OA1	VL043321.D	08 Dec 2025 19:56		SY/MD	Ok,NS

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL120825

Review By	Semsettin Yesilyurt	Review On	12/9/2025 8:08:46 AM		
Supervise By	John Carlone	Supervise On	12/9/2025 1:27:26 PM		
SubDirectory	VL120825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2692				
Initial Calibration Stds	AP2694,AP2695,AP2696				
CCC	AP2694				
Internal Standard/PEM	AP2692				
ICV/I.BLK	AP2697				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3799-03DL	10-IA-1DL	VL043322.D	08 Dec 2025 20:50	Need 40X;Not Match exactly please confirm	SY/MD	Dilution
20	Q3799-03DL2	10-IA-1DL2	VL043323.D	08 Dec 2025 21:23	Need further dilution, rerun 400X	SY/MD	Not Ok
21	Q3799-06DL	16-IA-1DL	VL043324.D	08 Dec 2025 21:56		SY/MD	Ok
22	Q3797-01	SV1	VL043325.D	08 Dec 2025 22:28		SY/MD	Ok,NS
23	Q3797-01DL	SV1DL	VL043326.D	08 Dec 2025 23:01	Not Required	SY/MD	Not Ok
24	Q3797-03	SV2	VL043327.D	08 Dec 2025 23:34		SY/MD	Ok,NS
25	Q3797-03DL	SV2DL	VL043328.D	09 Dec 2025 00:06	Not Required	SY/MD	Not Ok
26	Q3798-01	SV1	VL043329.D	09 Dec 2025 00:38		SY/MD	Ok,NS
27	Q3798-01DL	SV1DL	VL043330.D	09 Dec 2025 01:11	Not Required	SY/MD	Not Ok
28	Q3799-03DL2	10-IA-1DL2	VL043331.D	09 Dec 2025 07:30	Not match exactly please check	SY/MD	Ok,NR

M : Manual Integration