SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

Alliance Project No. : 23594

Client Contact Information	Bottle Order ID : **B2511006**	Courier : F GALDUN	1 of 1 COCs
Client ID : **GFEL01**	Project ID : ~~**200 Reservoir St, Trenton NJ**~~	Sampler Name(s) : FRANK GALDUN	Analysis / Matrix
Customer Name : **GFE LLC**	Project Manager : **FRANK GALDUN**	**AIR ANALYSIS CHAIN-OF-CUSTODY**	
Address : **58 Nokomis Ave**	Phone Number : **646-542-3465**		
	Fax Number : **973-334-1692**		
	Site Details: 74-16 CYPRESS HILLS RD GLENDALE, NY	**Individual Certified**	
City : **Lake Hiawatha**			
State : **NJ**	Analysis Turnaround Time 5 DAY		
Zip Code : **07034**	Standard : **10 ~~Business days~~ OR**	Data Package Type : RESULTS ONLY	
Country :	Rush (Specify): 5 **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/Ambinet Air	Soil Gas
IA1A	11/7/25	8:06	10:06	OVER 30	1	65	65	-30	-2.2	10226	10595	6 L	50	VL043082.D	1	1	

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

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

REPORT ONLY THOSE ANALYTES ON THE ATTACHED LIST

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low)

PID Readings: 0.0

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: SAM	Date/Time: 11/06/25	Canisters Received by:		Date/Time:	
Samples Relinquished by:	Date/Time: 11/10/25	Received by:		Date/Time: 11-10-25 1122	B2511006 - 1
Relinquished by:	Date/Time:	Received by:		Date/Time:	

REQUESTED ANALYTE LIST:

PCE

TCE

cis-1,2-DCE

1,1,1-TCA

1,1-DCE

Vinyl chloride

Benzene

Toluene

Ethylbenzene

Naphthalene

Cyclohexane

2,2,4-Trimethylpentane

1,2,4-Trimethylbenzene

1,3,5-Trimethylbenzene

o-xylene

m,p-xylene

Heptane

Hexane

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

Laboratory Certification

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

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

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

Laboratory: Chemtech
Location: 284 Sheffield Street, Mountainside, NJ 7092
~~NAME~~:
Title: Sample Custodian
Field Sample Seal No.: Q3594
Date Broken: 11/10/2025
Military Time Seal Broken: 11:22:00
Case No.: 74-16 Cypress Hill St, Gler
Analytical Parameter/Fraction: VOCMS Group2

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q3594-01	IA1A		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
11/10/25	13:00	Signature	Signature	
		Printed Name Cassandra Rene	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	
		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*

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q3594	**OrderDate:**	11/10/2025 11:52:00 AM
Client:	GFE LLC	**Project:**	74-16 Cypress Hill St, Glendale NY
Contact:	Frank Galdun	**Location:**	Air Lab,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3594-01	**IA1A**	**Air**			**11/07/25**			**11/10/25**
			VOCMS Group2	TO-15			11/11/25	
Q3594-01DL	**IA1ADL**	**Air**			**11/07/25**			**11/10/25**
			VOCMS Group2	TO-15			11/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3594

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**IA1A**							
Q3594-01	IA1A	Air	Heptane	3.24		0.70	2.05	ug/m3
Q3594-01	IA1A	Air	Cyclohexane	1.41	J	0.76	1.72	ug/m3
Q3594-01	IA1A	Air	2,2,4-Trimethylpentane	4.48		0.65	2.34	ug/m3
Q3594-01	IA1A	Air	Benzene	3.51		0.26	1.60	ug/m3
Q3594-01	IA1A	Air	Toluene	9.80		0.60	1.88	ug/m3
Q3594-01	IA1A	Air	Tetrachloroethene	0.34		0.14	0.20	ug/m3
Q3594-01	IA1A	Air	Ethyl Benzene	2.13	J	0.83	2.17	ug/m3
Q3594-01	IA1A	Air	m/p-Xylene	6.95		1.78	4.34	ug/m3
Q3594-01	IA1A	Air	o-Xylene	2.43		0.91	2.17	ug/m3
Q3594-01	IA1A	Air	1,2,4-Trimethylbenzene	2.26	J	0.88	2.46	ug/m3
Q3594-01	IA1A	Air	Hexane	64.1	E	0.56	1.76	ug/m3
			Total Voc :	101				
			Total Concentration:	101				
Client ID:	**IA1ADL**							
Q3594-01DL	IA1ADL	Air	Heptane	5.33	JD	3.48	10.3	ug/m3
Q3594-01DL	IA1ADL	Air	2,2,4-Trimethylpentane	7.47	JD	3.27	11.7	ug/m3
Q3594-01DL	IA1ADL	Air	Benzene	6.07	JD	1.28	7.99	ug/m3
Q3594-01DL	IA1ADL	Air	Toluene	15.4	D	3.01	9.42	ug/m3
Q3594-01DL	IA1ADL	Air	m/p-Xylene	9.99	JD	9.12	21.7	ug/m3
Q3594-01DL	IA1ADL	Air	Hexane	63.8	D	2.82	8.81	ug/m3
			Total Voc :	108				
			Total Concentration:	108				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3594

Client: GFE LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3594-01	IA1A	1-Bromo-4-Fluorobenzene	10	9.88	99		65	135
Q3594-01DL	IA1ADL	1-Bromo-4-Fluorobenzene	10	9.84	98		65	135
Q3594-01DUP	IA1ADUP	1-Bromo-4-Fluorobenzene	10	10.1	101		65	135
VL1111ABL01	VL1111ABL01	1-Bromo-4-Fluorobenzene	10	9.67	97		65	135
VL1111ABS01	VL1111ABS01	1-Bromo-4-Fluorobenzene	10	10.2	102		65	135

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3594 **Analytical Method:** SWTO-15

Client: GFE LLC **Datafile :** VL043182.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL1111ABS01	Vinyl Chloride	10	8.60	ppbv	86			70	130	
	Heptane	10	9.40	ppbv	94			70	130	
	1,1-Dichloroethane	10	9.70	ppbv	97			70	130	
	Cyclohexane	10	8.70	ppbv	87			70	130	
	cis-1,2-Dichloroethene	10	9.90	ppbv	99			70	130	
	1,1,1-Trichloroethane	10	9.50	ppbv	95			70	130	
	2,2,4-Trimethylpentane	10	11.0	ppbv	110			70	130	
	Benzene	10	11.0	ppbv	110			70	130	
	Trichloroethene	10	9.80	ppbv	98			70	130	
	Toluene	10	10.1	ppbv	101			70	130	
	Tetrachloroethene	10	10.3	ppbv	103			70	130	
	Ethyl Benzene	10	10.6	ppbv	106			70	130	
	m/p-Xylene	20	21.9	ppbv	110			70	130	
	o-Xylene	10	10.9	ppbv	109			70	130	
	1,3,5-Trimethylbenzene	10	11.0	ppbv	110			70	130	
	1,2,4-Trimethylbenzene	10	10.7	ppbv	107			70	130	
	Naphthalene	10	10.2	ppbv	102			70	130	
	Hexane	10	9.60	ppbv	96			70	130	

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VOLATILE METHOD BLANK SUMMARY

Client ID: IA1ADUP

Lab Name: Alliance Contract: GFEL01

Lab Code: ACE SDG NO.: Q3594

Lab File ID: VL043184.D Lab Sample ID: Q3594-01DUP

Date Analyzed: 11/11/2025 Time Analyzed: 11:09

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
IA1ADUP	Q3594-01DUP	VL043184.D	11/11/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VL1111ABL01

Lab Name: Alliance | Contract: GFEL01

Lab Code: ACE | SDG NO.: Q3594

Lab File ID: VL043181.D | Lab Sample ID: VL1111ABL01

Date Analyzed: 11/11/2025 | Time Analyzed: 09:01

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
VL1111ABS01	VL1111ABS01	VL043182.D	11/11/2025
IA1A	Q3594-01	VL043183.D	11/11/2025
IA1ADL	Q3594-01DL	VL043185.D	11/11/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GFEL01

Lab Code: ACE | SDG NO.: Q3594

Lab File ID: VL043103.D | BFB Injection Date: 10/14/2025

Instrument ID: MSVOA_L | BFB Injection Time: 08:42

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	21.9
75	30.0 - 66.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	61.7
175	4.0 - 9.0% of mass 174	4.8 (7.8) 1
176	93.0 - 101.0% of mass 174	59.6 (96.5) 1
177	5.0 - 9.0% of mass 176	3.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL043105.D	10/14/2025	10:31
VSTDICC002	VSTDICC002	VL043106.D	10/14/2025	11:27
VSTDICC001	VSTDICC001	VL043107.D	10/14/2025	12:01
VSTDICC0.5	VSTDICC0.5	VL043108.D	10/14/2025	12:34
VSTDICC0.1	VSTDICC0.1	VL043109.D	10/14/2025	13:08
VSTDICC0.03	VSTDICC0.03	VL043110.D	10/14/2025	13:42
VSTDICC015	VSTDICC015	VL043111.D	10/14/2025	14:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GFEL01

Lab Code: ACE | SDG NO.: Q3594

Lab File ID: VL043179.D | BFB Injection Date: 11/11/2025

Instrument ID: MSVOA_L | BFB Injection Time: 07:30

GC Column: RTX-1 ID: 0.32 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.3
75	30.0 - 66.0% of mass 95	55.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 120.0% of mass 95	63.6
175	4.0 - 9.0% of mass 174	4.4 (7) 1
176	93.0 - 101.0% of mass 174	60.5 (95.2) 1
177	5.0 - 9.0% of mass 176	3.9 (6.4) 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	VL043180.D	11/11/2025	08:15
VL1111ABL01	VL1111ABL01	VL043181.D	11/11/2025	09:01
VL1111ABS01	VL1111ABS01	VL043182.D	11/11/2025	09:44
IA1A	Q3594-01	VL043183.D	11/11/2025	10:35
IA1ADUP	Q3594-01DUP	VL043184.D	11/11/2025	11:09
IA1ADL	Q3594-01DL	VL043185.D	11/11/2025	11:41

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GFEL01

Lab Code: ACE SDG NO.: Q3594

Lab File ID: VL043180.D Date Analyzed: 11/11/2025

Instrument ID: MSVOA_L Time Analyzed: 08:15

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	132532	2.80	370924	3.98	319069	8.90
UPPER LIMIT	185545	3.13	519294	4.31	446697	9.23
LOWER LIMIT	79519.2	2.47	222554	3.65	191441	8.57
EPA SAMPLE NO.						
IA1A	140511	2.80	394645	3.98	333593	8.89
IA1ADL	143763	2.80	397242	3.98	331668	8.90
IA1ADUP	143981	2.80	398798	3.98	340442	8.90
VL1111ABL01	132756	2.80	368642	3.98	303422	8.90
VL1111ABS01	132945	2.80	371877	3.97	319598	8.89

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

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

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

SAMPLE DATA

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

Client:	GFE LLC	Date Collected:	11/07/25
Project:	74-16 Cypress Hill St, Glendale NY	Date Received:	11/10/25
Client Sample ID:	IA1A	SDG No.:	Q3594
Lab Sample ID:	Q3594-01	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	0.030	0.080	U	1	0.080	0.080	11/11/25 10:35	VL111125
142-82-5	Heptane	0.79	3.24		1	0.70	2.05	11/11/25 10:35	VL111125
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/11/25 10:35	VL111125
110-82-7	Cyclohexane	0.41	1.41	J	1	0.76	1.72	11/11/25 10:35	VL111125
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/11/25 10:35	VL111125
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/11/25 10:35	VL111125
540-84-1	2,2,4-Trimethylpentane	0.96	4.48		1	0.65	2.34	11/11/25 10:35	VL111125
71-43-2	Benzene	1.10	3.51		1	0.26	1.60	11/11/25 10:35	VL111125
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/11/25 10:35	VL111125
108-88-3	Toluene	2.60	9.80		1	0.60	1.88	11/11/25 10:35	VL111125
127-18-4	Tetrachloroethene	0.050	0.34		1	0.14	0.20	11/11/25 10:35	VL111125
100-41-4	Ethyl Benzene	0.49	2.13	J	1	0.83	2.17	11/11/25 10:35	VL111125
179601-23-1	m/p-Xylene	1.60	6.95		1	1.78	4.34	11/11/25 10:35	VL111125
95-47-6	o-Xylene	0.56	2.43		1	0.91	2.17	11/11/25 10:35	VL111125
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/11/25 10:35	VL111125
95-63-6	1,2,4-Trimethylbenzene	0.46	2.26	J	1	0.88	2.46	11/11/25 10:35	VL111125
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52	11/11/25 10:35	VL111125
110-54-3	Hexane	18.2	64.1	E	1	0.56	1.76	11/11/25 10:35	VL111125
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.90				65 - 135	99%	SPK: 10	
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	141000							
540-36-3	1,4-Difluorobenzene	395000							
3114-55-4	Chlorobenzene-d5	334000							

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043183.D
Acq On : 11 Nov 2025 10:35
Operator : SY/MD
Sample : Q3594-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1A

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

Quant Time: Nov 12 00:15:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	140511	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	394645	10.000	ppbv		0.02
55) Chlorobenzene-d5	8.894	117	333593	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.387	95	256040	9.875	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	8708	0.436	ppbv		97
3) Chlorodifluoromethane	1.483	51	6386m	0.295	ppbv		
4) Chloromethane	1.538	50	2676	0.338	ppbv		90
9) Propene	1.489	41	25562	2.667	ppbv		90
10) Heptane	5.001	43	21728	0.787	ppbv	#	82
11) Trichlorofluoromethane	1.887	101	4349	0.223	ppbv		87
13) Ethanol	1.729	45	68541	19.331	ppbv		97
15) Acetone	1.845	43	56506	2.984	ppbv		95
19) Isopropyl Alcohol	1.894	45	18322	1.553	ppbv	#	21
20) Methylene Chloride	2.072	84	199716	26.678	ppbv		96
26) Hexane	2.842	57	394652	18.236	ppbv	#	42
30) Cyclohexane	3.881	84	7769	0.411	ppbv	#	87
34) 2-Butanone	2.573	43	5785	0.218	ppbv		100
35) Carbon Tetrachloride	3.777	117	2201m	0.078	ppbv		
36) Benzene	3.677	78	40587	1.092	ppbv		96
44) 2,2,4-Trimethylpentane	4.664	57	60409	0.963	ppbv	#	87
52) Tetrachloroethene	8.234	164	599m	0.045	ppbv		
53) Toluene	6.956	91	114436	2.594	ppbv		98
58) Ethyl Benzene	9.370	91	28290	0.494	ppbv		96
59) m/p-Xylene	9.548	91	71135	1.558	ppbv		100
60) o-Xylene	9.979	91	25428	0.564	ppbv		99
62) Isopropylbenzene	10.552	105	11077	0.136	ppbv		100
72) 4-Ethyltoluene	11.134	105	7310	0.132	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.218	105	6572	0.144	ppbv		90
74) 1,2,4-Trimethylbenzene	11.549	105	23748	0.464	ppbv	#	49
76) 1,4-Dichlorobenzene	11.684	146	3083	0.103	ppbv		92

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

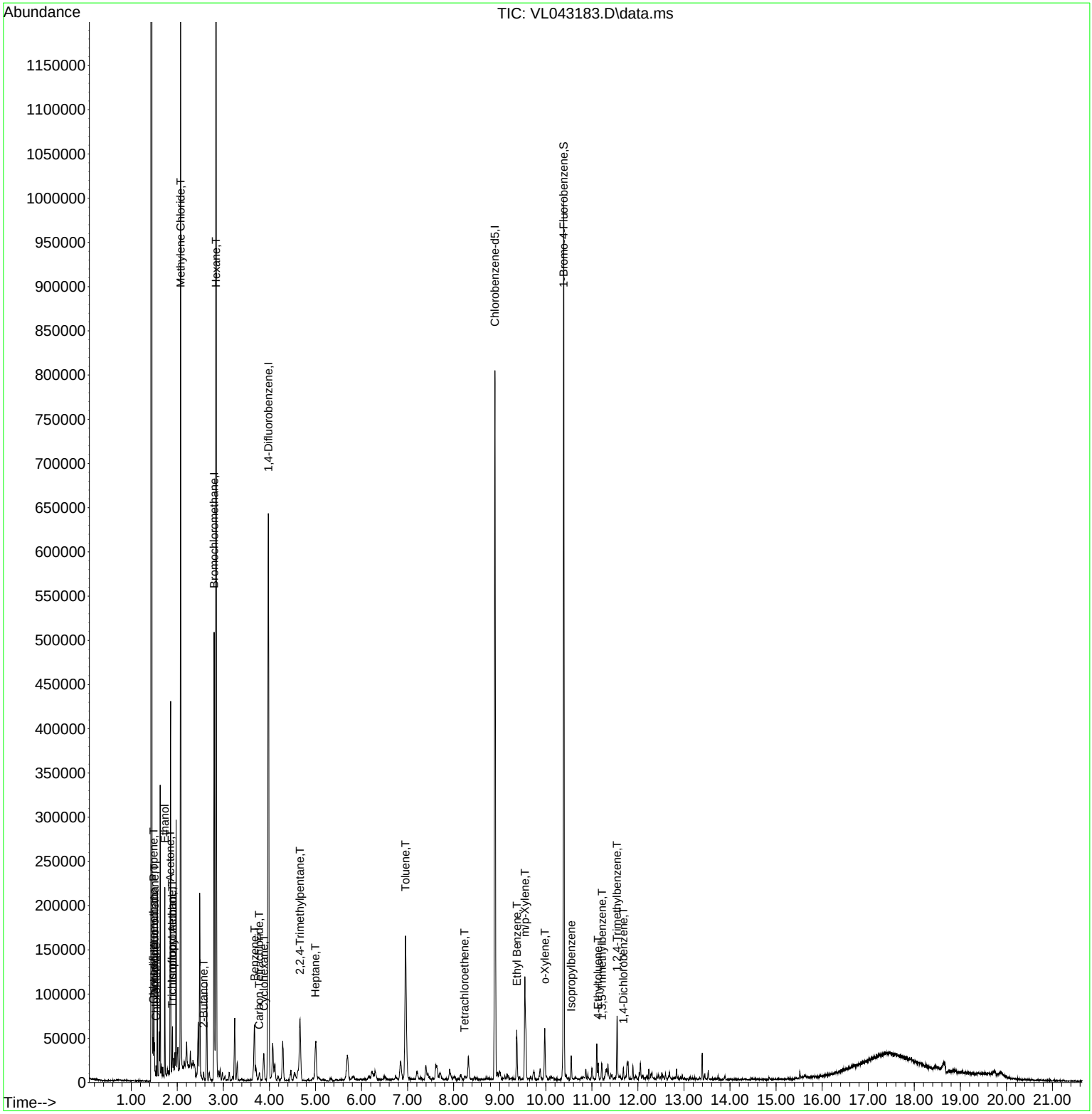
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043183.D
Acq On : 11 Nov 2025 10:35
Operator : SY/MD
Sample : Q3594-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

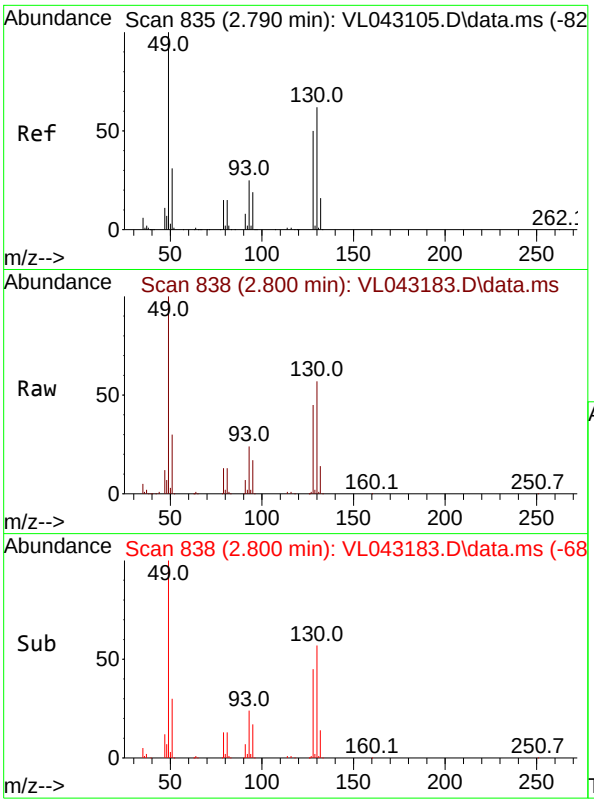
Quant Time: Nov 12 00:15:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
IA1A

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 49 Resp: 14051

Ion	Ratio	Lower	Upper
49	100		
128	46.6	24.4	73.4
130	59.0	31.0	93.0

Instrument :
MSVOA_L
ClientSampleId :
IA1A

Manual Integrations
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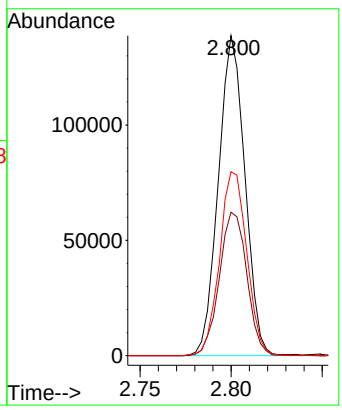
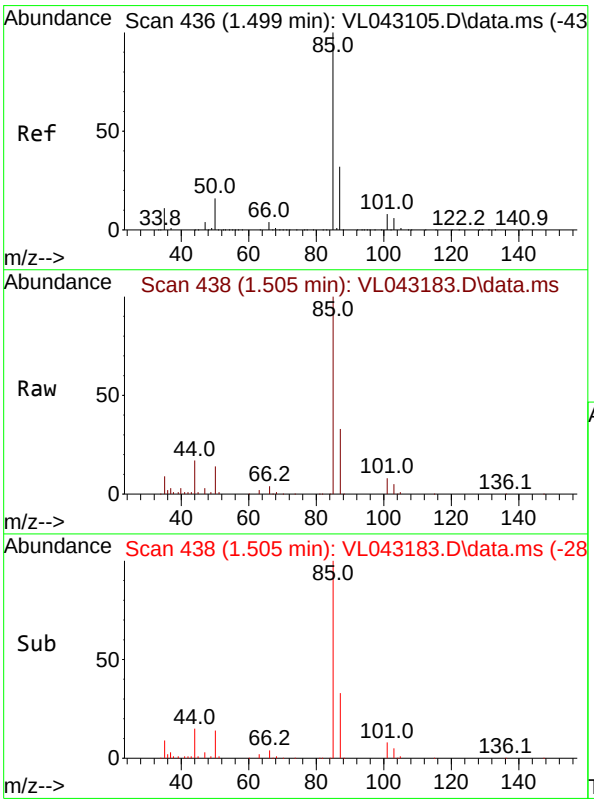
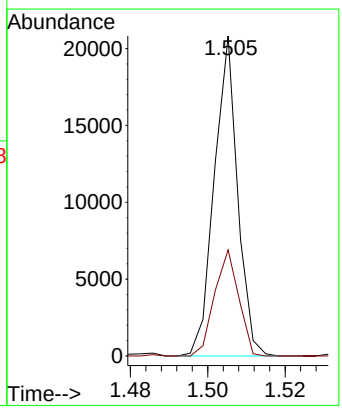


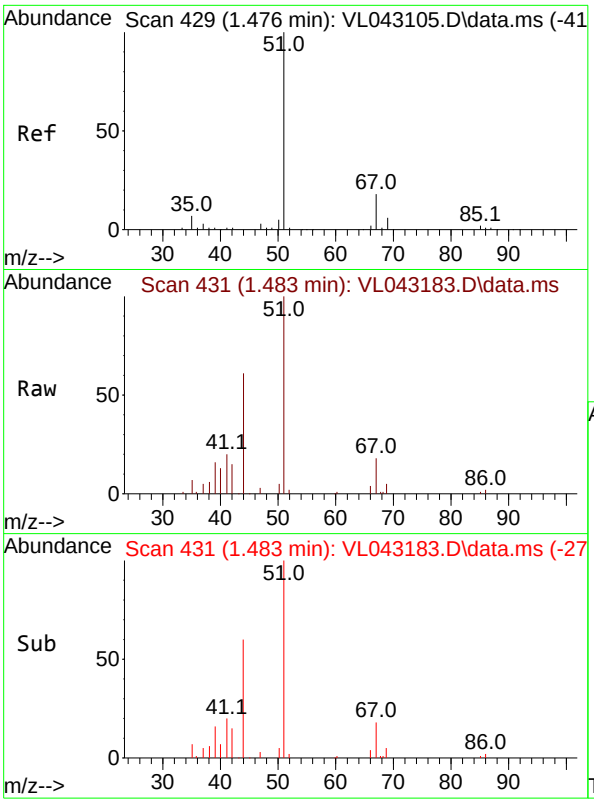


#2
Dichlorodifluoromethane
Concen: 0.436 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.006 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 85 Resp: 8708

Ion	Ratio	Lower	Upper
85	100		
87	33.2	25.3	37.9





#3
Chlorodifluoromethane
Concen: 0.295 ppbv m
RT: 1.483 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 51 Resp: 638

Ion	Ratio	Lower	Upper
51	100		
67	1.7	15.1	22.7#

Instrument :
MSVOA_L
ClientSampleId :
IA1A

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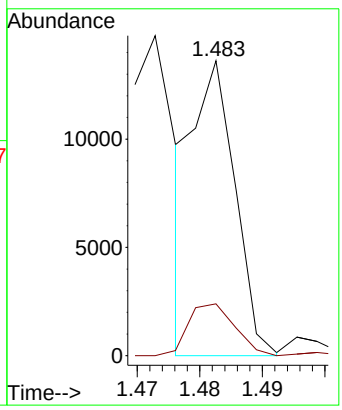
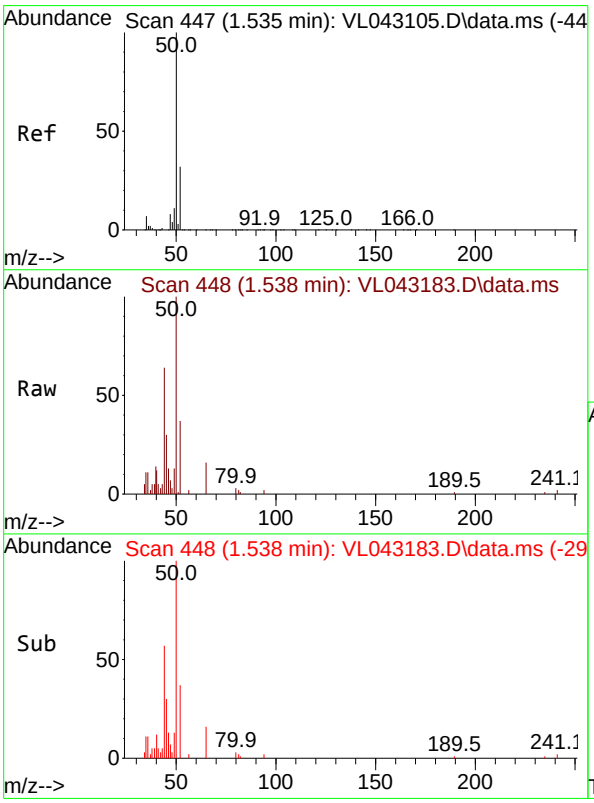
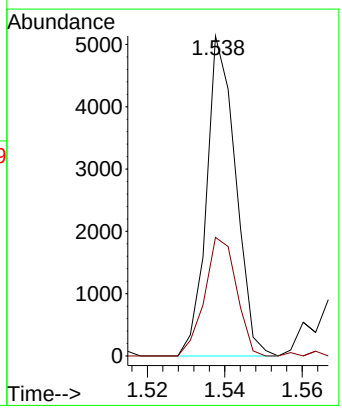


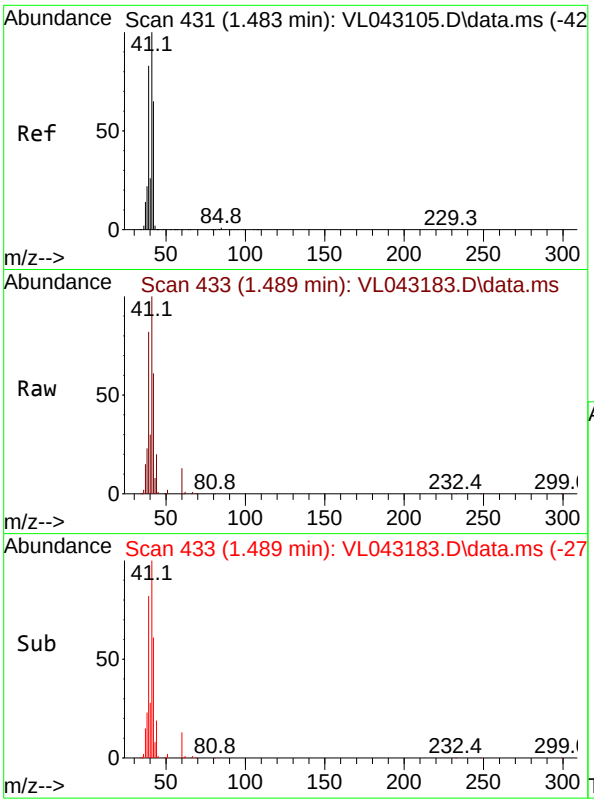


#4
Chloromethane
Concen: 0.338 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 50 Resp: 2676

Ion	Ratio	Lower	Upper
50	100		
52	37.1	25.2	37.8





#9
Propene
Concen: 2.667 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 41 Resp: 2556

Ion	Ratio	Lower	Upper
41	100		
42	60.7	55.1	82.7

Instrument :
MSVOA_L
ClientSampleId :
IA1A

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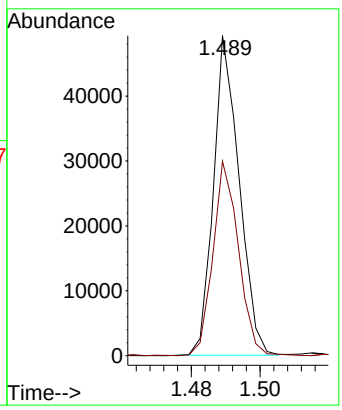
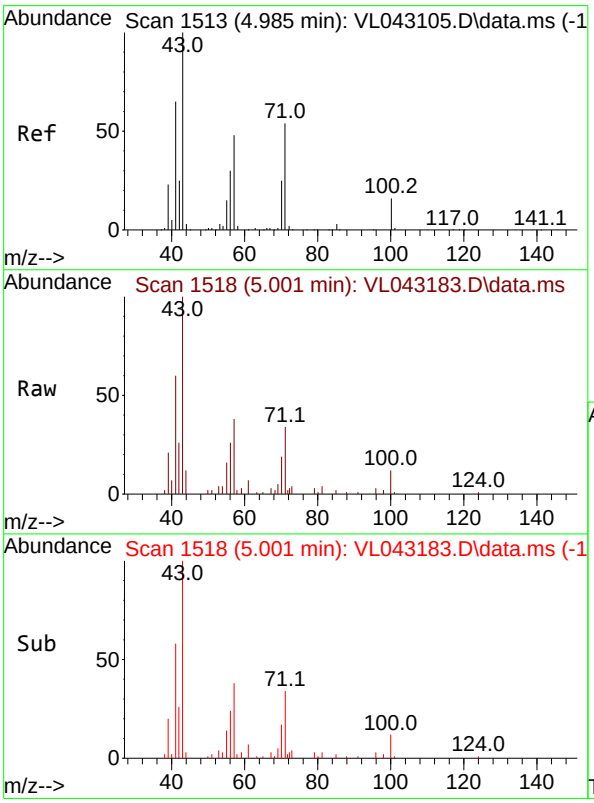
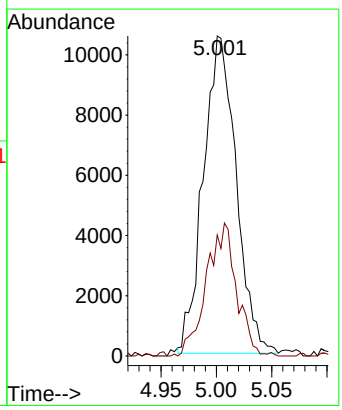


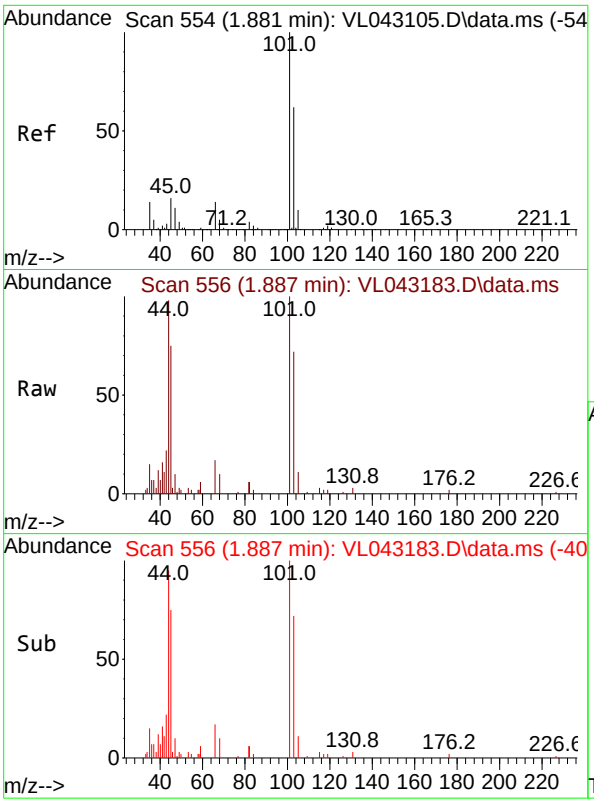


#10
Heptane
Concen: 0.787 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. 0.016 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 43 Resp: 21728

Ion	Ratio	Lower	Upper
43	100		
57	38.4	40.8	61.2#

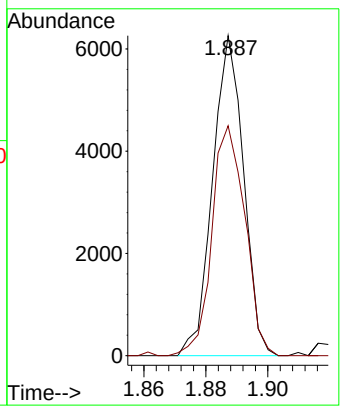




#11
Trichlorofluoromethane
Concen: 0.223 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion:101 Resp: 434

Ion	Ratio	Lower	Upper
101	100		
103	71.9	49.3	73.9



Instrument :
MSVOA_L
ClientSampleId :
IA1A

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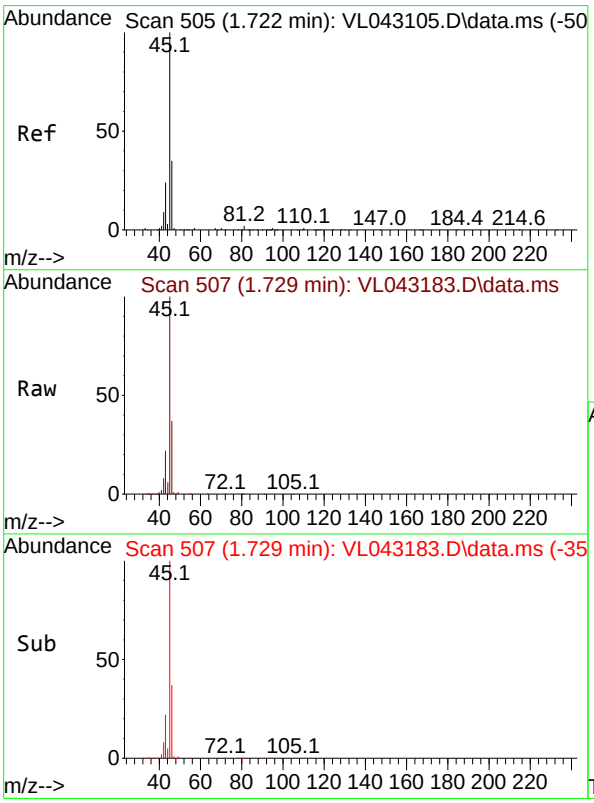
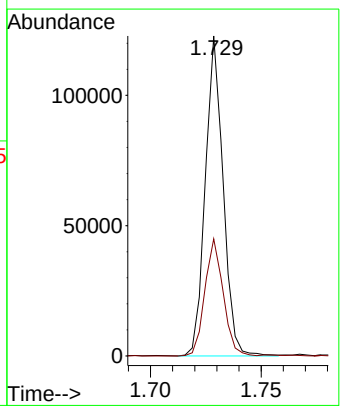
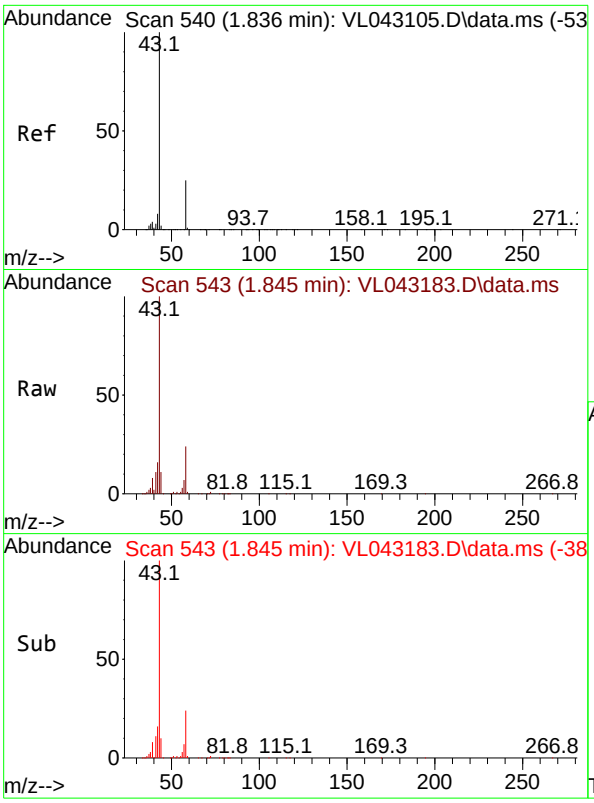


#13
Ethanol
Concen: 19.331 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.006 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 45 Resp: 68541

Ion	Ratio	Lower	Upper
45	100		
46	38.3	14.7	58.9





#15
Acetone
Concen: 2.984 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.009 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 43 Resp: 5650

Ion	Ratio	Lower	Upper
43	100		
58	28.4	20.8	31.2

Instrument :
MSVOA_L
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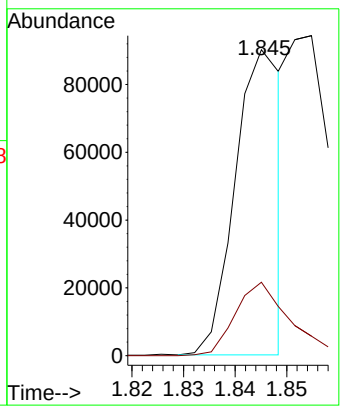
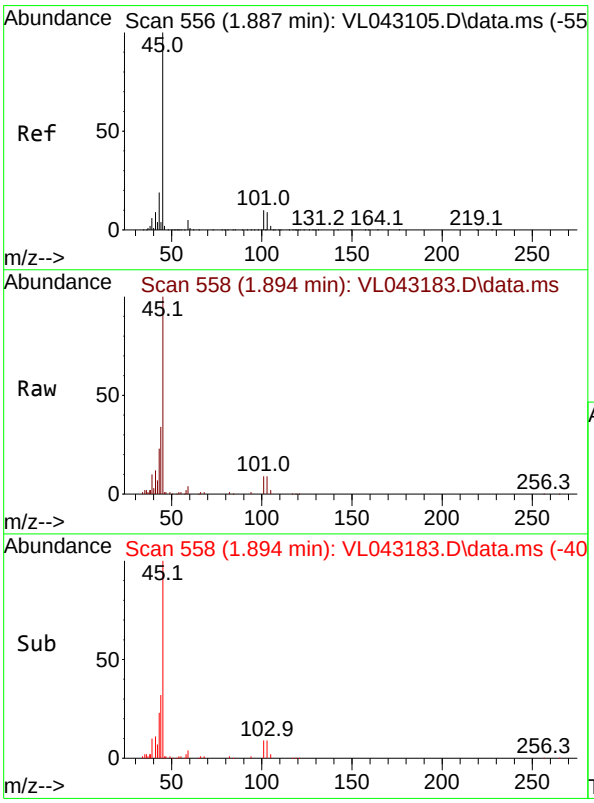
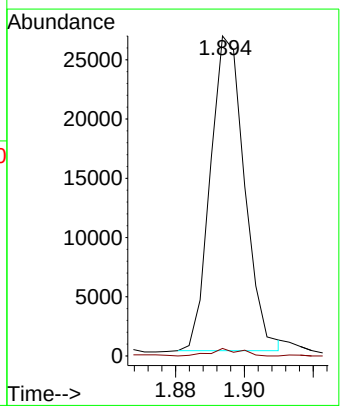


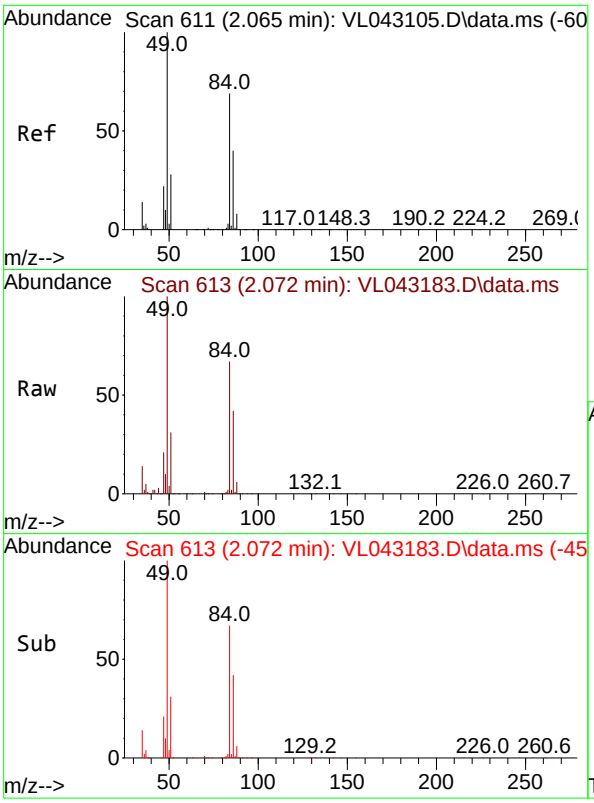


#19
Isopropyl Alcohol
Concen: 1.553 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.006 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 45 Resp: 18322

Ion	Ratio	Lower	Upper
45	100		
58	87.5	31.3	46.9#

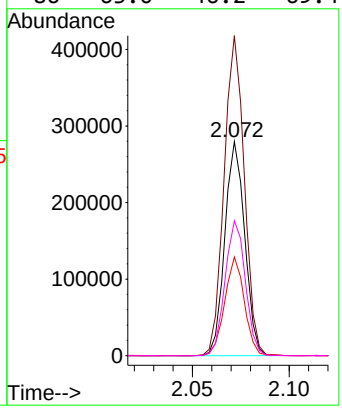




#20
Methylene Chloride
Concen: 26.678 ppbv
RT: 2.072 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 84 Resp: 19971

Ion	Ratio	Lower	Upper
84	100		
49	149.4	116.6	175.0
51	46.0	34.8	52.2
86	63.0	46.2	69.4



Instrument :
MSVOA_L
ClientSampleId :
IA1A

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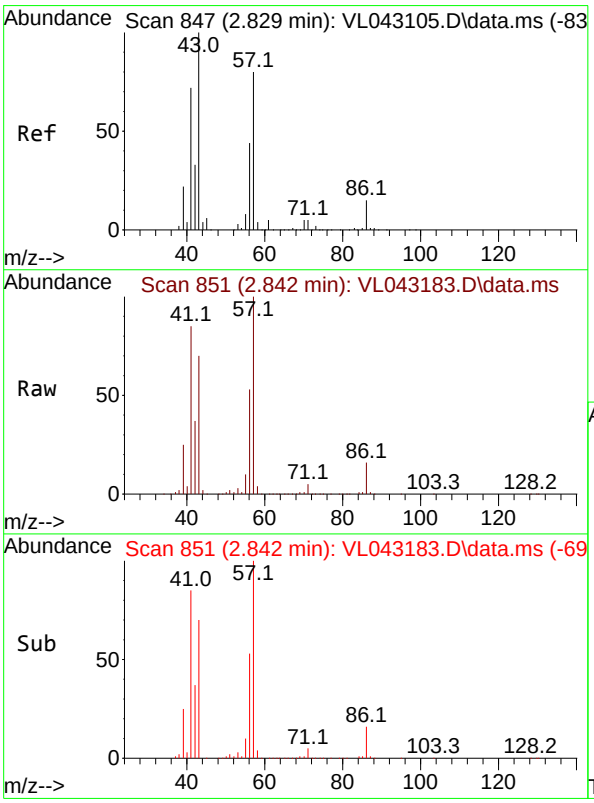
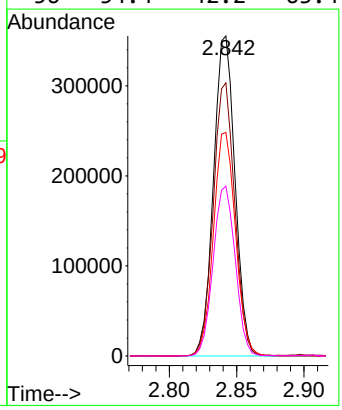
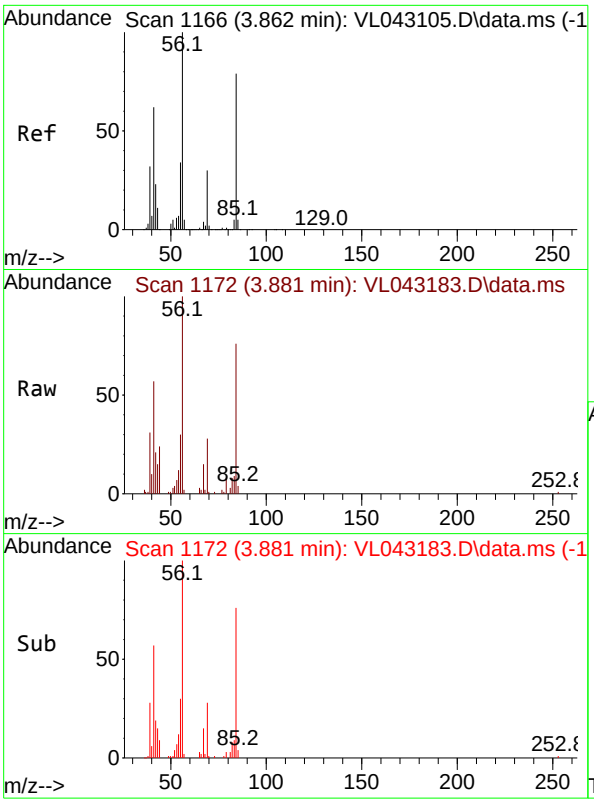


#26
Hexane
Concen: 18.236 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.013 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 57 Resp: 394652

Ion	Ratio	Lower	Upper
57	100		
41	85.6	71.4	107.0
43	72.1	178.5	267.7#
56	54.4	42.2	63.4

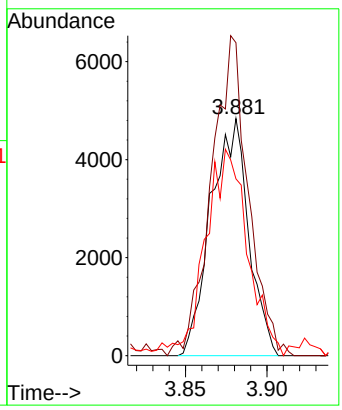




#30
Cyclohexane
Concen: 0.411 ppbv
RT: 3.881 min Scan# 1
Delta R.T. 0.019 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 84 Resp: 776

Ion	Ratio	Lower	Upper
84	100		
56	131.9	100.9	151.3
41	101.6	63.8	95.6



Instrument :
MSVOA_L
ClientSampleId :
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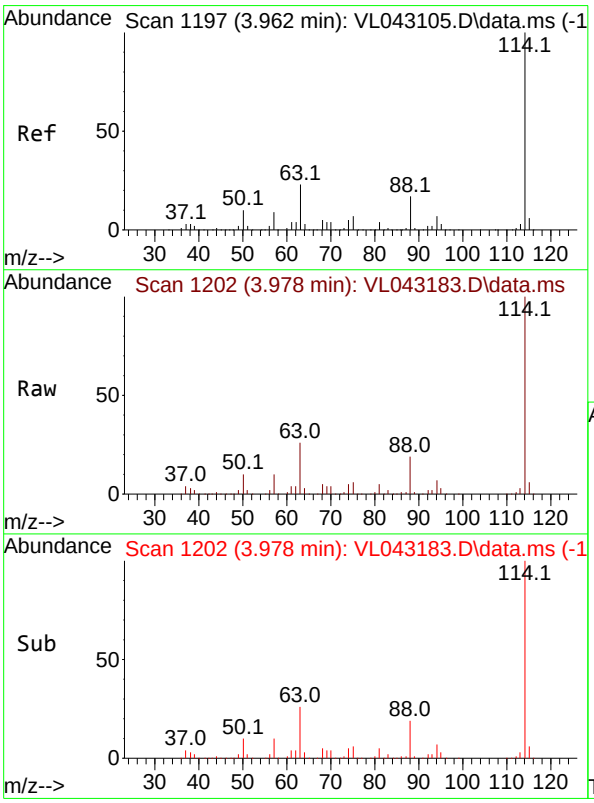
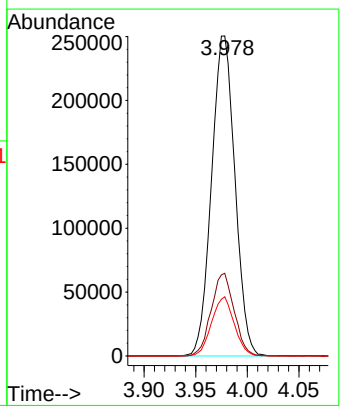
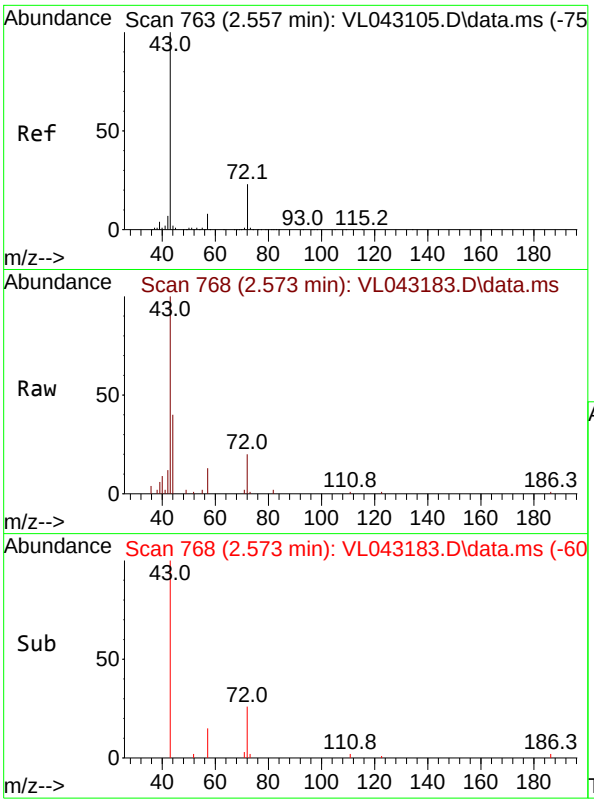


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.016 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion:114 Resp: 394645

Ion	Ratio	Lower	Upper
114	100		
63	25.4	19.3	28.9
88	17.8	13.9	20.9





#34
2-Butanone
Concen: 0.218 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.016 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 43 Resp: 578

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6

Instrument :
MSVOA_L
ClientSampleId :
IA1A

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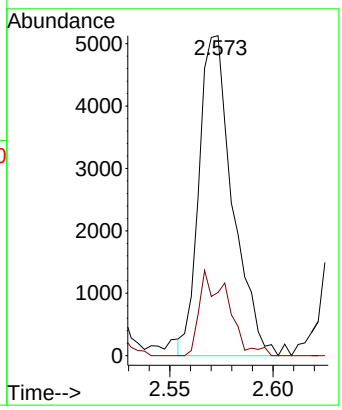
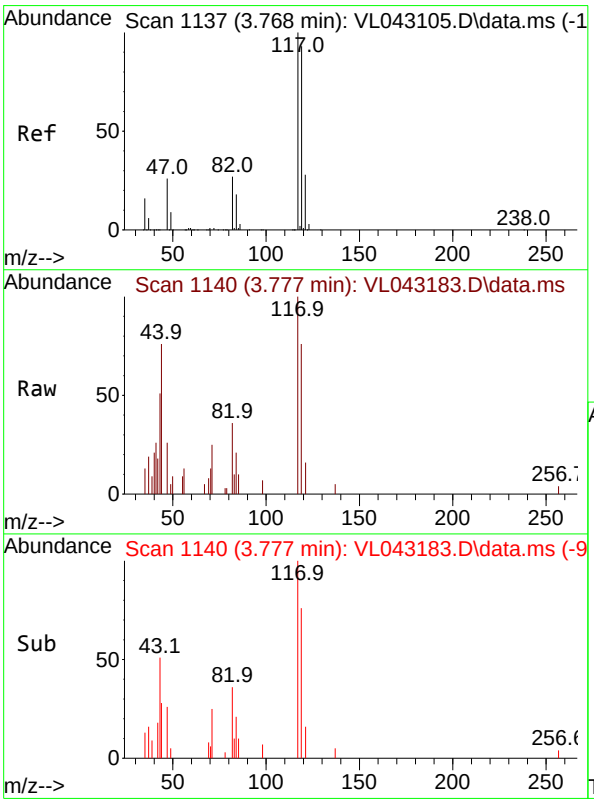
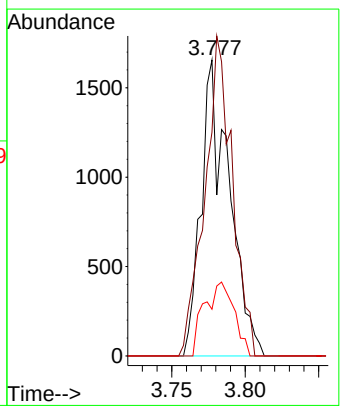


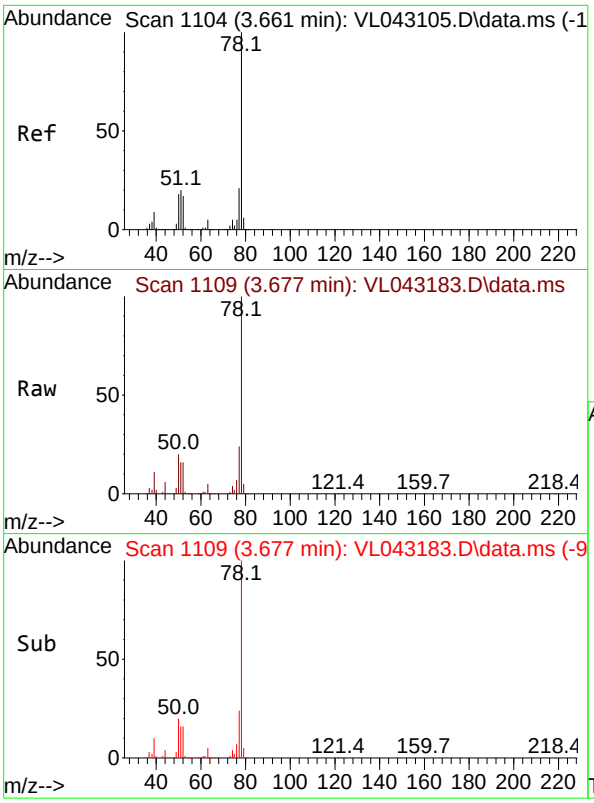


#35
Carbon Tetrachloride
Concen: 0.078 ppbv m
RT: 3.777 min Scan# 1140
Delta R.T. 0.009 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion:117 Resp: 2201

Ion	Ratio	Lower	Upper
117	100		
119	75.5	74.1	111.1
121	15.8	22.2	33.2#





#36
Benzene
Concen: 1.092 ppbv
RT: 3.677 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 78 Resp: 4058

Ion	Ratio	Lower	Upper
78	100		
77	23.9	17.0	25.6
50	19.6	14.6	22.0

Instrument :
MSVOA_L
ClientSampleId :
IA1A

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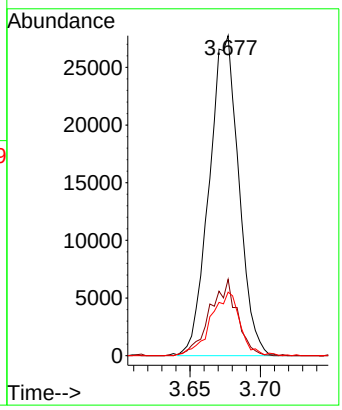
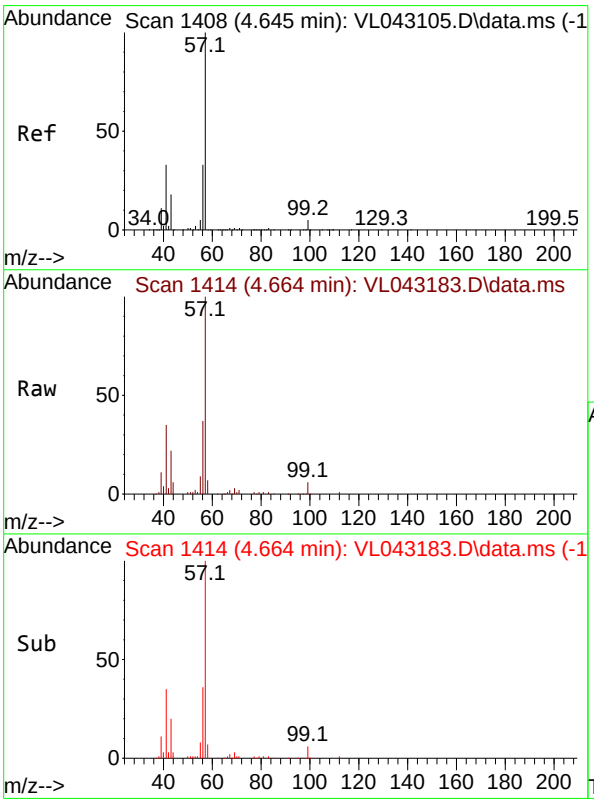
Supervised By :Mahesh Dadoda 11/13/2025

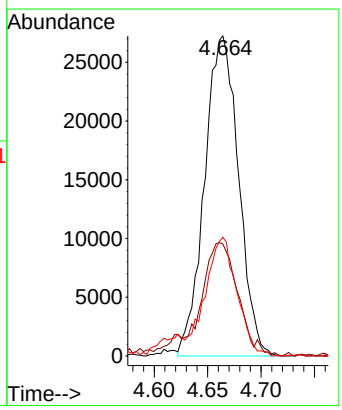


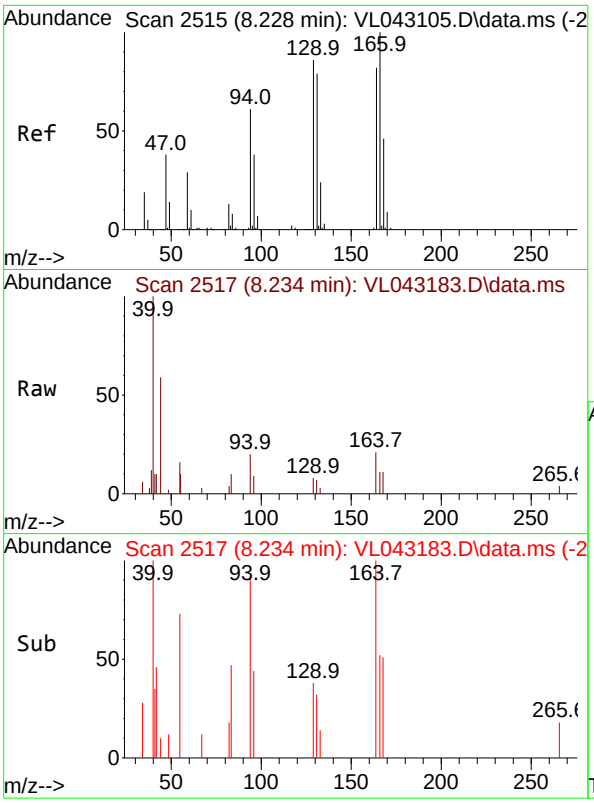


#44
2,2,4-Trimethylpentane
Concen: 0.963 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.019 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 57 Resp: 60409

Ion	Ratio	Lower	Upper
57	100		
41	39.9	26.3	39.5#
56	39.6	25.9	38.9#

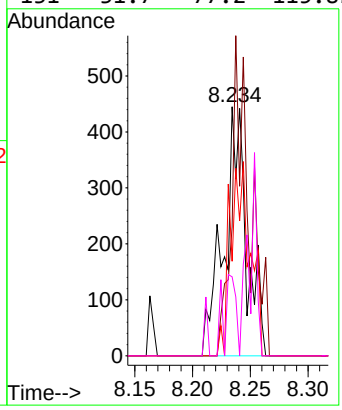




#52
Tetrachloroethene
Concen: 0.045 ppbv m
RT: 8.234 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion:164 Resp: 59

Ion	Ratio	Lower	Upper
164	100		
166	51.7	97.6	146.4#
129	38.0	84.5	126.7#
131	31.7	77.2	115.8#



Instrument :
MSVOA_L
ClientSampleId :
IA1A

Manual Integrations
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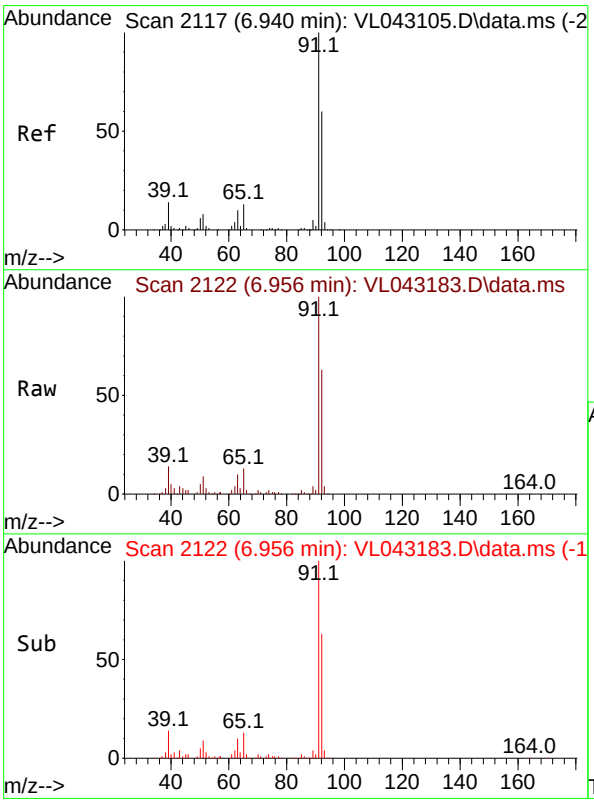
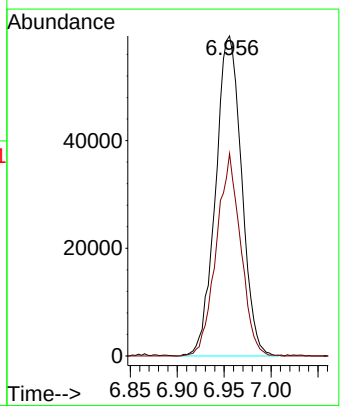
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

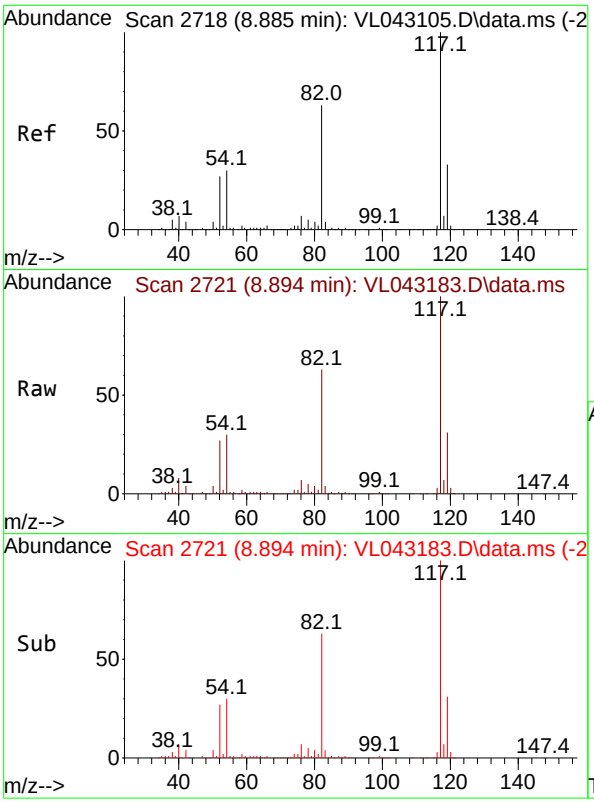


#53
Toluene
Concen: 2.594 ppbv
RT: 6.956 min Scan# 2122
Delta R.T. 0.016 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 91 Resp: 114436

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.8	73.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2
Delta R.T. 0.009 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion:117 Resp: 33359

Ion	Ratio	Lower	Upper
117	100		
82	64.8	53.8	80.8
119	32.1	25.4	38.0

Instrument :
MSVOA_L
ClientSampleId :
IA1A

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/13/2025
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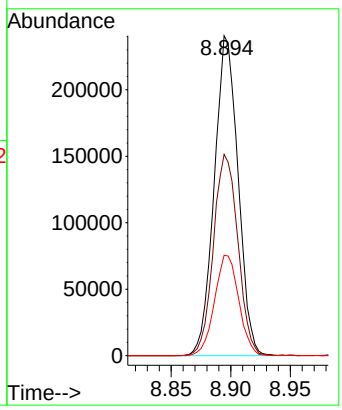
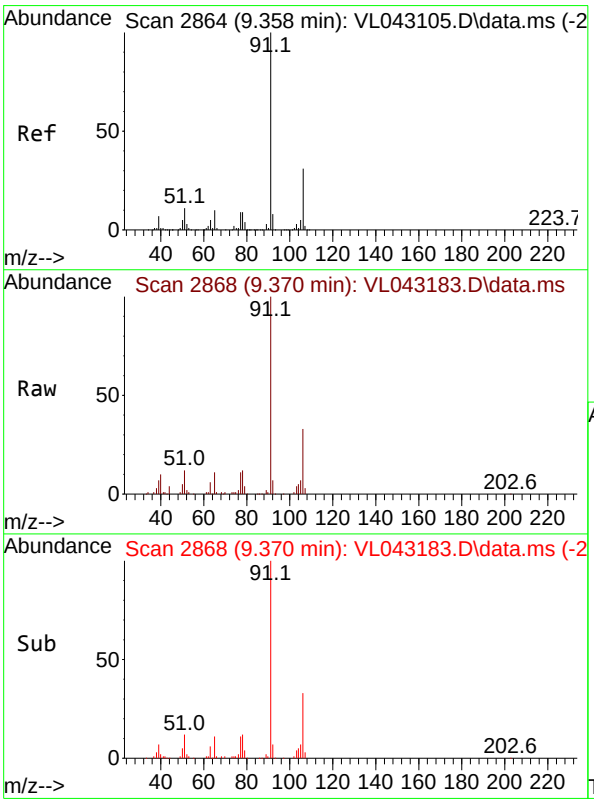
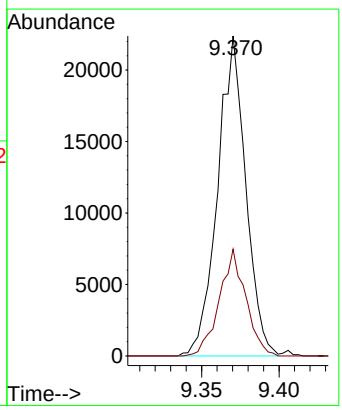


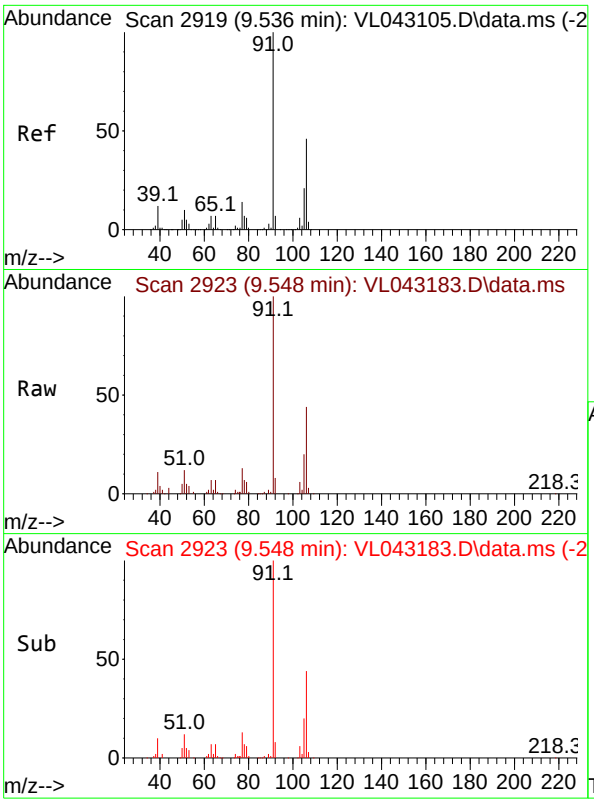


#58
Ethyl Benzene
Concen: 0.494 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. 0.013 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 91 Resp: 28290

Ion	Ratio	Lower	Upper
91	100		
106	33.4	24.8	37.2





#59
m/p-Xylene
Concen: 1.558 ppbv
RT: 9.548 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

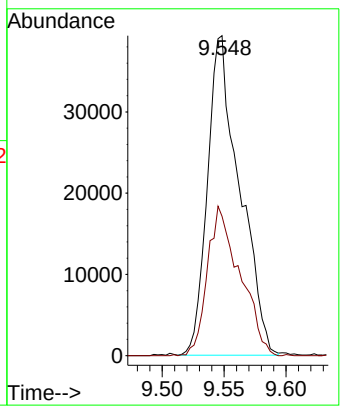
Tgt Ion: 91 Resp: 7113

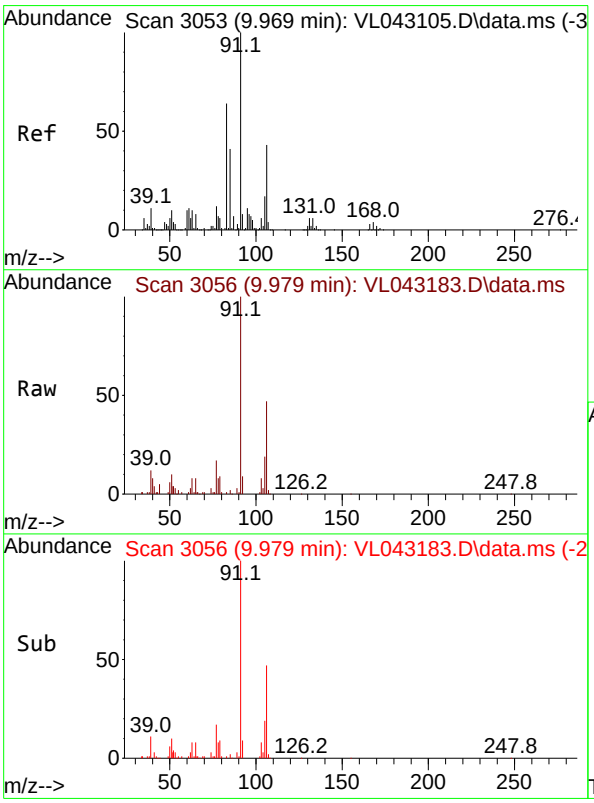
Ion	Ratio	Lower	Upper
91	100		
106	47.4	38.0	57.0

Instrument :
MSVOA_L
ClientSampleId :
IA1A

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

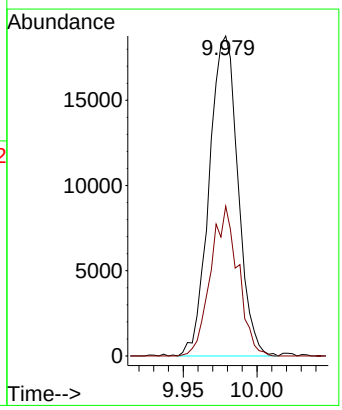


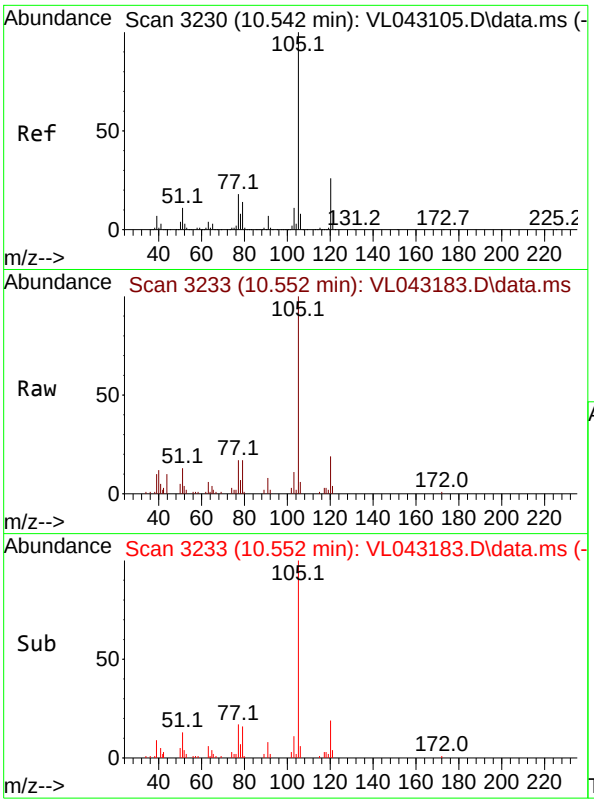


#60
o-Xylene
Concen: 0.564 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.009 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 91 Resp: 25428

Ion	Ratio	Lower	Upper
91	100		
106	44.8	21.9	65.8

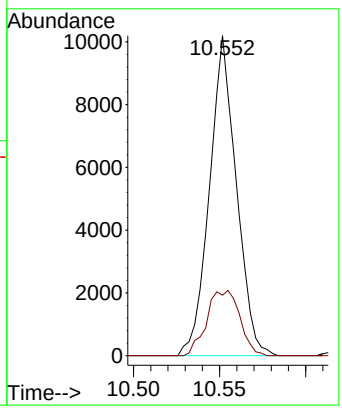




#62
Isopropylbenzene
Concen: 0.136 ppbv
RT: 10.552 min Scan# 3
Delta R.T. 0.009 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion:105 Resp: 1107

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.2	30.4



Instrument :
MSVOA_L
ClientSampleId :
IA1A

Manual Integrations
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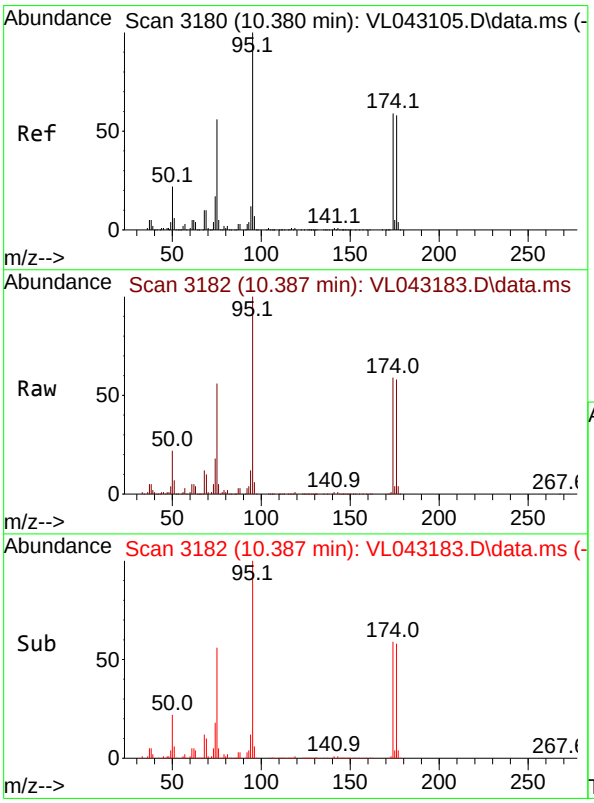
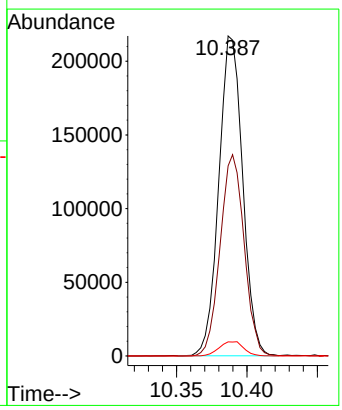
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

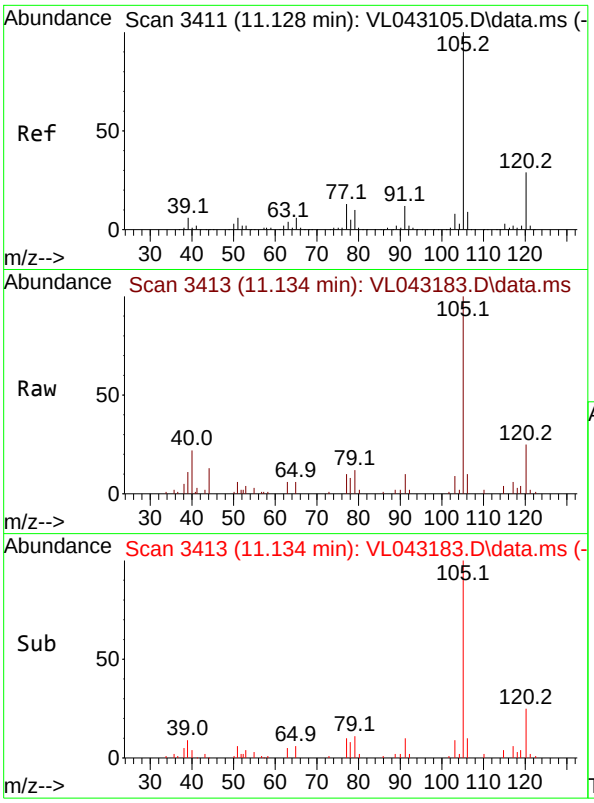


#68
1-Bromo-4-Fluorobenzene
Concen: 9.875 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.006 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion: 95 Resp: 256040

Ion	Ratio	Lower	Upper
95	100		
174	63.4	48.3	72.5
175	4.6	3.8	5.8

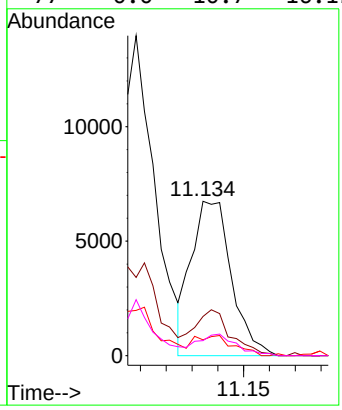




#72
4-Ethyltoluene
Concen: 0.132 ppbv
RT: 11.134 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion:105 Resp: 731

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.2	36.4#
91	0.0	10.0	15.0#
77	0.0	10.7	16.1#



Instrument :
MSVOA_L
ClientSampleId :
IA1A

Manual Integrations
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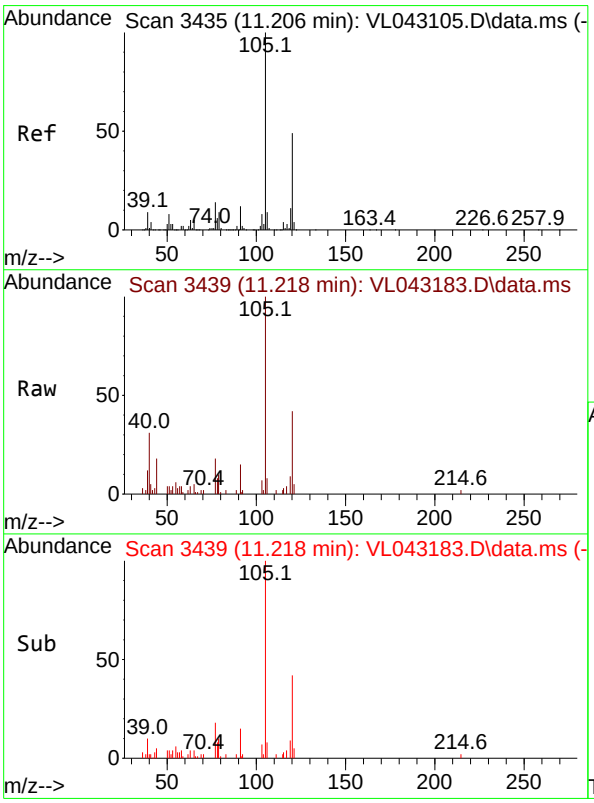
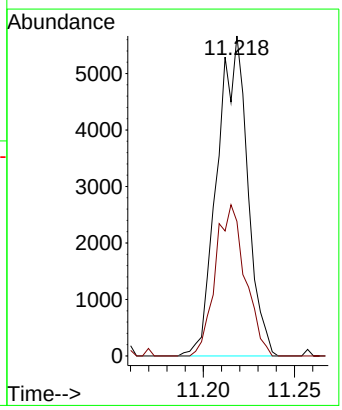
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

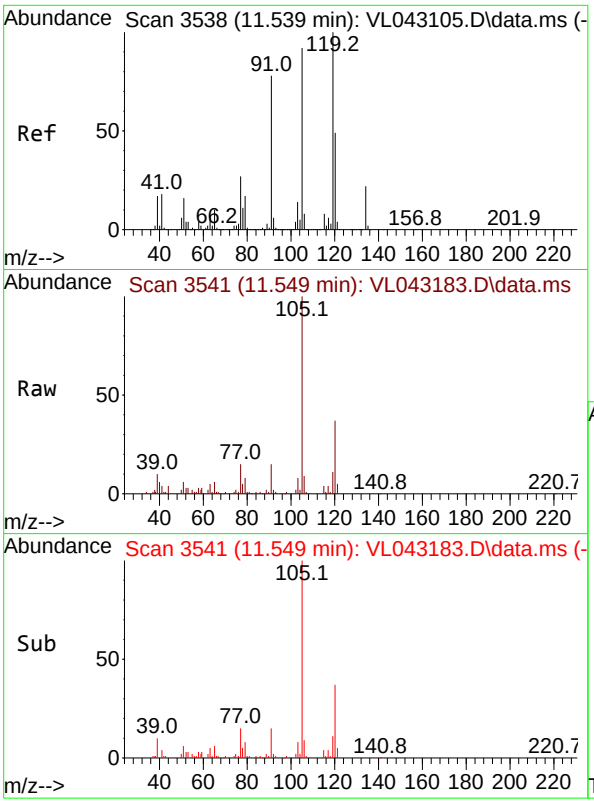


#73
1,3,5-Trimethylbenzene
Concen: 0.144 ppbv
RT: 11.218 min Scan# 3439
Delta R.T. 0.013 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion:105 Resp: 6572

Ion	Ratio	Lower	Upper
105	100		
120	42.0	39.0	58.6

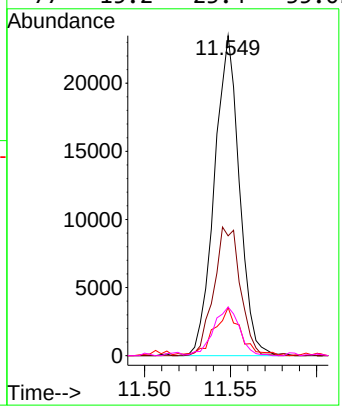




#74
1,2,4-Trimethylbenzene
Concen: 0.464 ppbv
RT: 11.549 min Scan# 3
Delta R.T. 0.009 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion:105 Resp: 2374

Ion	Ratio	Lower	Upper
105	100		
120	37.4	42.8	64.2#
91	14.5	68.3	102.5#
77	15.2	23.4	35.0#



Instrument :
MSVOA_L
ClientSampleId :
IA1A

Manual Integrations
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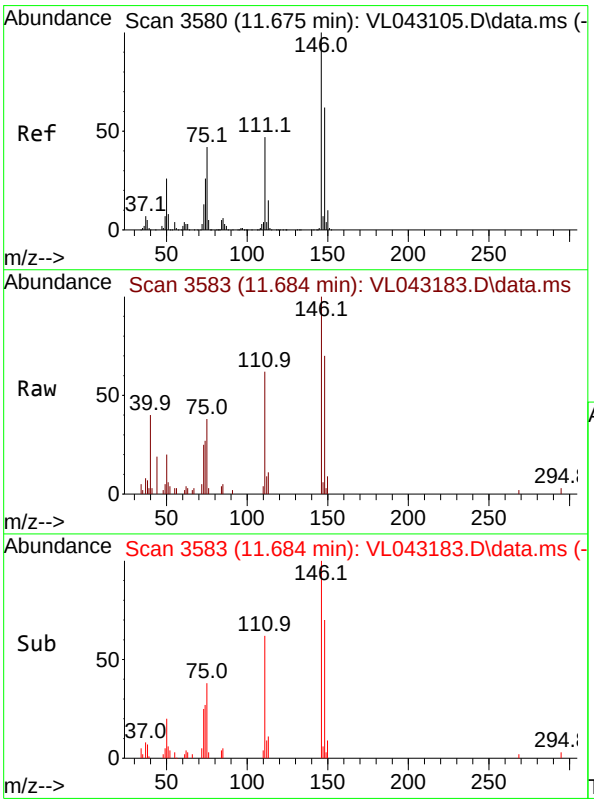
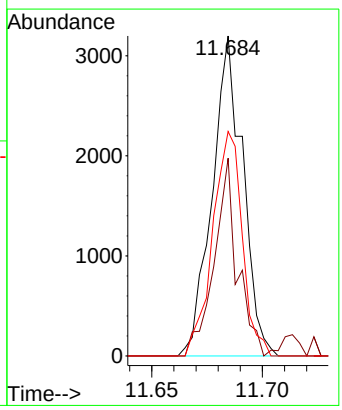
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#76
1,4-Dichlorobenzene
Concen: 0.103 ppbv
RT: 11.684 min Scan# 3583
Delta R.T. 0.009 min
Lab File: VL043183.D
Acq: 11 Nov 2025 10:35

Tgt Ion:146 Resp: 3083

Ion	Ratio	Lower	Upper
146	100		
111	52.1	22.4	67.0
148	67.7	31.6	94.7



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

Report of Analysis

Client:	GFE LLC	Date Collected:	11/07/25
Project:	74-16 Cypress Hill St, Glendale NY	Date Received:	11/10/25
Client Sample ID:	IA1ADL	SDG No.:	Q3594
Lab Sample ID:	Q3594-01DL	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	0.13	0.33	UD	5	0.33	0.38		11/11/25 11:41	VL111125
142-82-5	Heptane	1.30	5.33	JD	5	3.48	10.3		11/11/25 11:41	VL111125
75-34-3	1,1-Dichloroethane	0.65	2.63	UD	5	2.63	10.1		11/11/25 11:41	VL111125
110-82-7	Cyclohexane	1.10	3.79	UD	5	3.79	8.61		11/11/25 11:41	VL111125
156-59-2	cis-1,2-Dichloroethene	0.50	1.98	UD	5	1.98	9.91		11/11/25 11:41	VL111125
71-55-6	1,1,1-Trichloroethane	0.080	0.44	UD	5	0.44	0.82		11/11/25 11:41	VL111125
540-84-1	2,2,4-Trimethylpentane	1.60	7.47	JD	5	3.27	11.7		11/11/25 11:41	VL111125
71-43-2	Benzene	1.90	6.07	JD	5	1.28	7.99		11/11/25 11:41	VL111125
79-01-6	Trichloroethene	0.12	0.64	UD	5	0.64	0.81		11/11/25 11:41	VL111125
108-88-3	Toluene	4.10	15.4	D	5	3.01	9.42		11/11/25 11:41	VL111125
127-18-4	Tetrachloroethene	0.080	0.54	UD	5	0.54	1.02		11/11/25 11:41	VL111125
100-41-4	Ethyl Benzene	0.95	4.13	UD	5	4.13	10.9		11/11/25 11:41	VL111125
179601-23-1	m/p-Xylene	2.30	9.99	JD	5	9.12	21.7		11/11/25 11:41	VL111125
95-47-6	o-Xylene	1.10	4.78	UD	5	4.78	10.9		11/11/25 11:41	VL111125
108-67-8	1,3,5-Trimethylbenzene	0.90	4.42	UD	5	4.42	12.3		11/11/25 11:41	VL111125
95-63-6	1,2,4-Trimethylbenzene	0.90	4.42	UD	5	4.42	12.3		11/11/25 11:41	VL111125
91-20-3	Naphthalene	0.070	0.37	UD	5	0.37	2.62		11/11/25 11:41	VL111125
110-54-3	Hexane	18.1	63.8	D	5	2.82	8.81		11/11/25 11:41	VL111125
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	9.80				65 - 135	98%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	144000								
540-36-3	1,4-Difluorobenzene	397000								
3114-55-4	Chlorobenzene-d5	332000								

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043185.D
Acq On : 11 Nov 2025 11:41
Operator : SY/MD
Sample : Q3594-01DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1ADL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

Quant Time: Nov 12 00:16:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	143763	10.000	ppbv		0.01
33) 1,4-Difluorobenzene	3.975	114	397242	10.000	ppbv		0.01
55) Chlorobenzene-d5	8.895	117	331668	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.387	95	253627	9.838	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.400%				
Target Compounds							Qvalue
9) Propene	1.489	41	9988	1.018	ppbv		92
10) Heptane	5.001	43	7529m	0.267	ppbv		
13) Ethanol	1.729	45	21094	5.815	ppbv		96
15) Acetone	1.848	43	17626m	0.910	ppbv		
19) Isopropyl Alcohol	1.897	45	7729	0.640	ppbv	#	64
20) Methylene Chloride	2.072	84	25402	3.316	ppbv	#	86
26) Hexane	2.839	57	80281	3.626	ppbv	#	43
30) Cyclohexane	3.871	84	2891m	0.150	ppbv		
36) Benzene	3.674	78	14543	0.389	ppbv		94
44) 2,2,4-Trimethylpentane	4.661	57	20554m	0.326	ppbv		
53) Toluene	6.953	91	36603	0.824	ppbv		100
58) Ethyl Benzene	9.367	91	9967	0.175	ppbv		99
59) m/p-Xylene	9.542	91	21079	0.464	ppbv		98
60) o-Xylene	9.976	91	7399	0.165	ppbv		99
74) 1,2,4-Trimethylbenzene	11.549	105	5622	0.110	ppbv	#	49

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

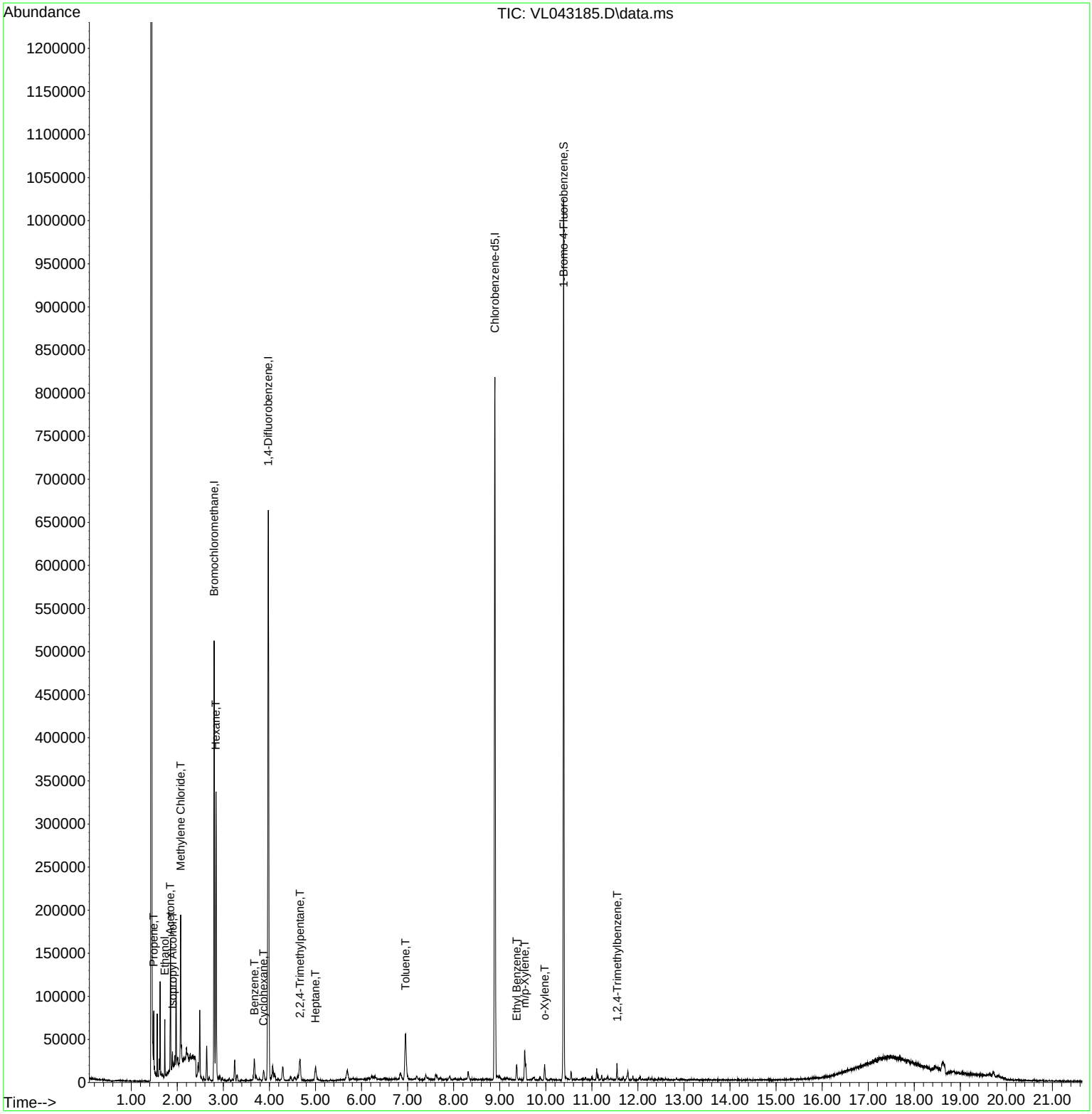
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043185.D
Acq On : 11 Nov 2025 11:41
Operator : SY/MD
Sample : Q3594-01DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

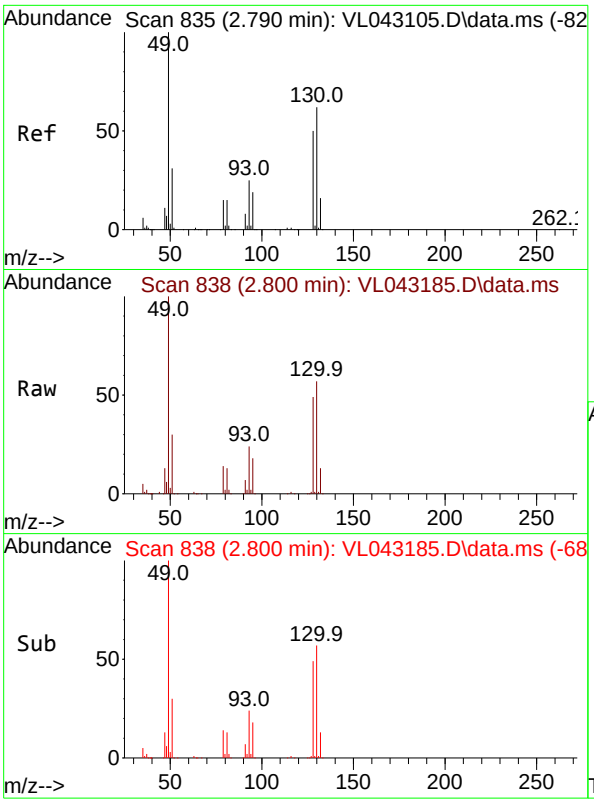
Quant Time: Nov 12 00:16:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
IA1ADL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 49 Resp: 14376

Ion	Ratio	Lower	Upper
49	100		
128	46.7	24.4	73.4
130	58.2	31.0	93.0

Instrument :
MSVOA_L
ClientSampleId :
IA1ADL

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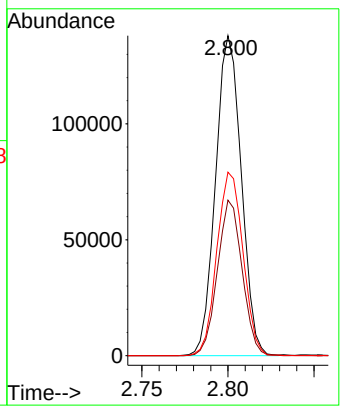
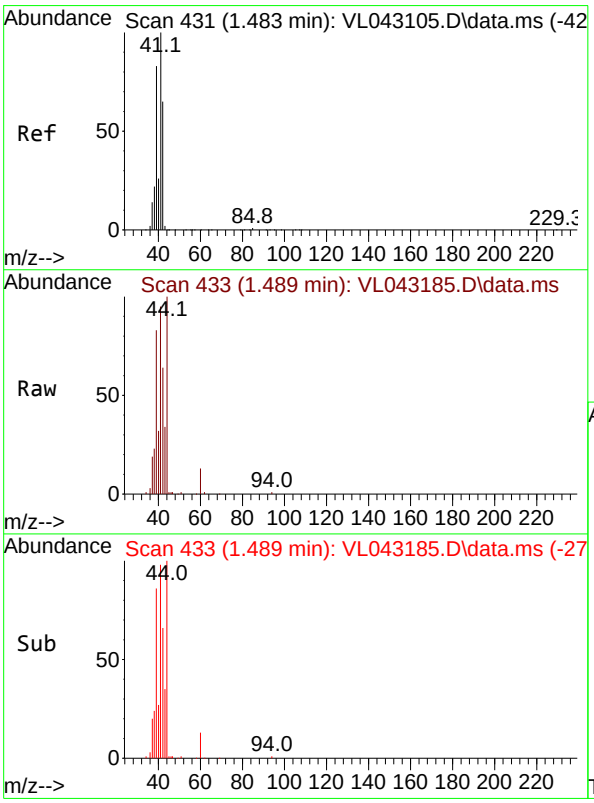
Supervised By :Mahesh Dadoda 11/13/2025

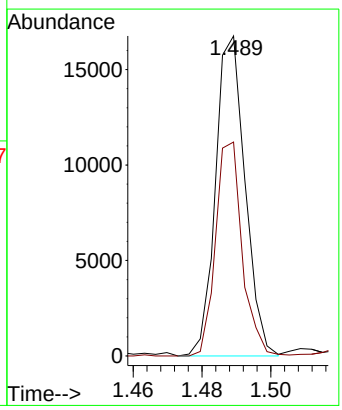


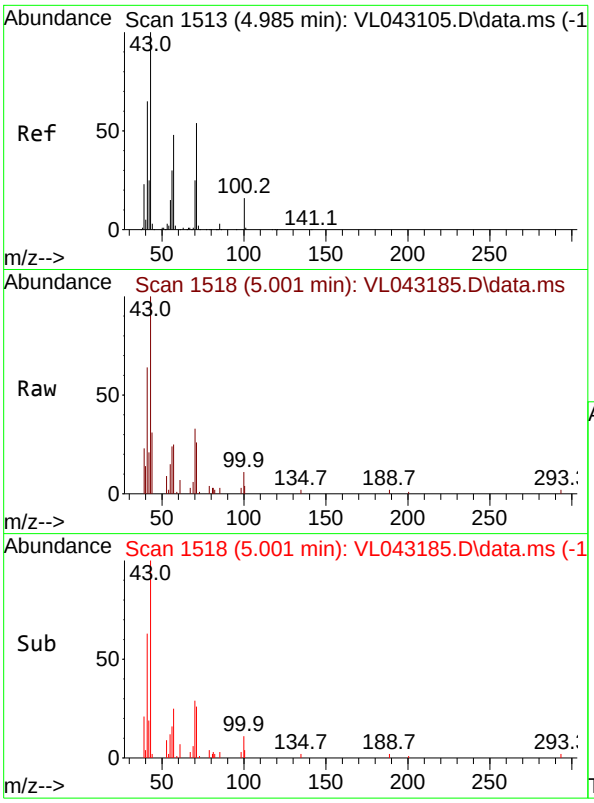


#9
Propene
Concen: 1.018 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 41 Resp: 9988

Ion	Ratio	Lower	Upper
41	100		
42	62.5	55.1	82.7





#10
Heptane
Concen: 0.267 ppbv m
RT: 5.001 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 43 Resp: 752

Ion	Ratio	Lower	Upper
43	100		
57	32.9	40.8	61.2

Instrument :
MSVOA_L
ClientSampleId :
IA1ADL

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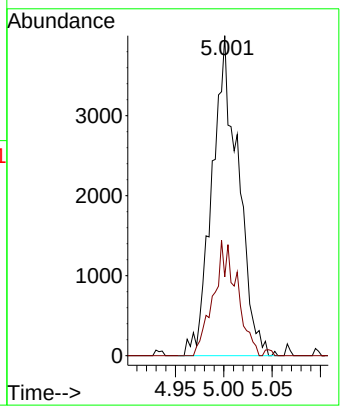
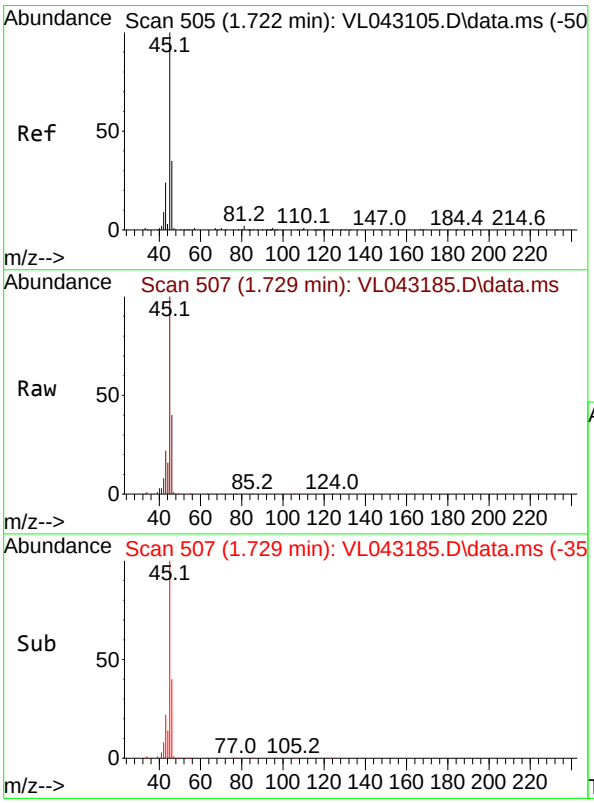
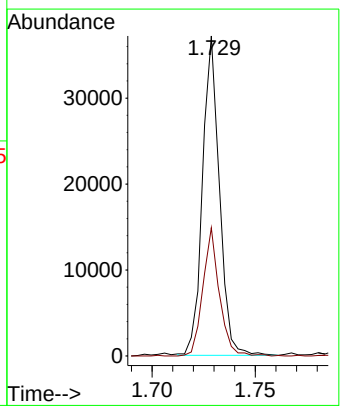


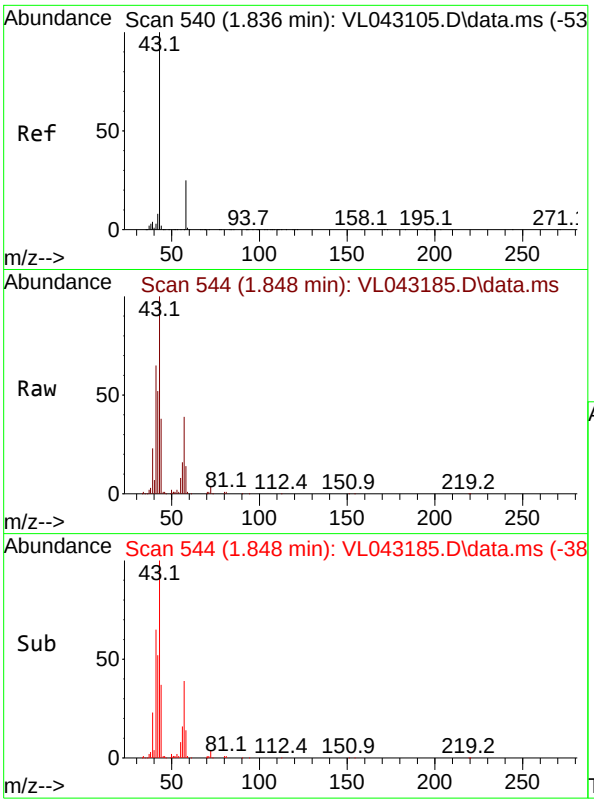


#13
Ethanol
Concen: 5.815 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.006 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 45 Resp: 21094

Ion	Ratio	Lower	Upper
45	100		
46	39.4	14.7	58.9

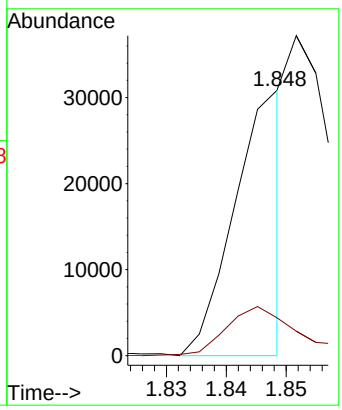




#15
Acetone
Concen: 0.910 ppbv m
RT: 1.848 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 43 Resp: 1762

Ion	Ratio	Lower	Upper
43	100		
58	26.7	20.8	31.2



Instrument :
MSVOA_L
ClientSampleId :
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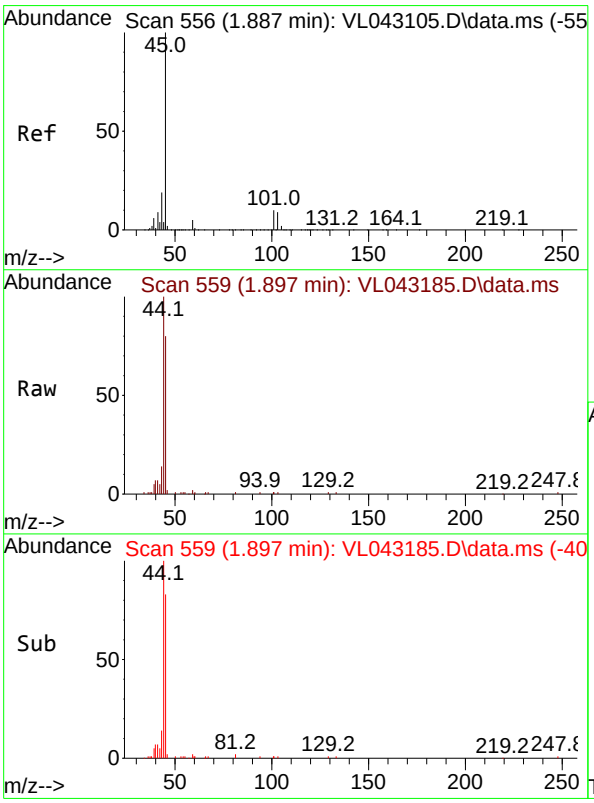
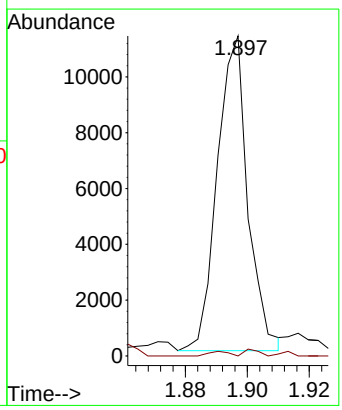
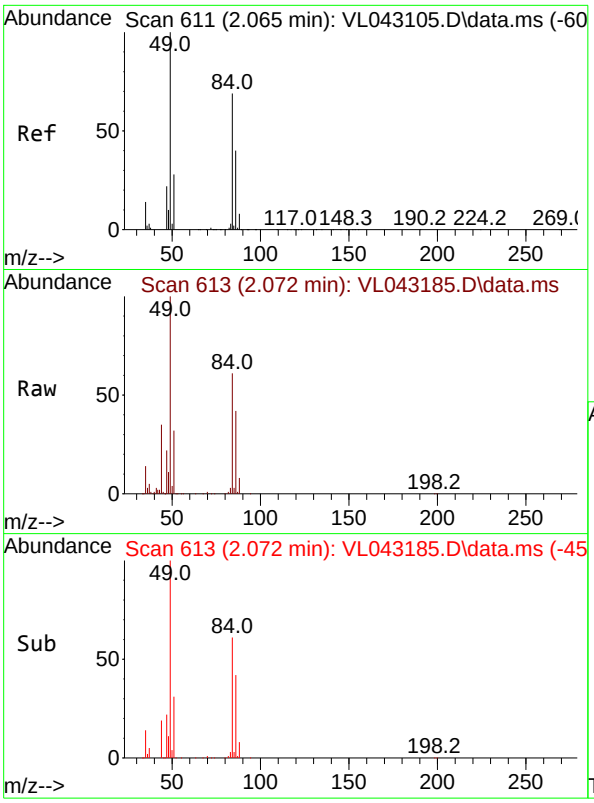


#19
Isopropyl Alcohol
Concen: 0.640 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.010 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 45 Resp: 7729

Ion	Ratio	Lower	Upper
45	100		
58	60.8	31.3	46.9#

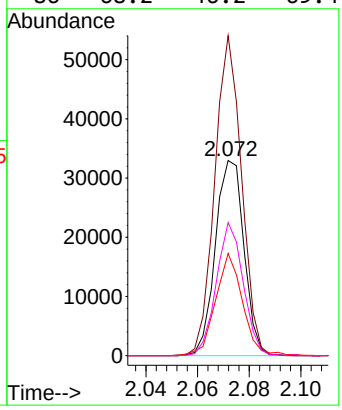




#20
Methylene Chloride
Concen: 3.316 ppbv
RT: 2.072 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 84 Resp: 2540

Ion	Ratio	Lower	Upper
84	100		
49	163.5	116.6	175.0
51	52.4	34.8	52.2#
86	68.2	46.2	69.4



Instrument :
MSVOA_L
ClientSampleId :
IA1ADL

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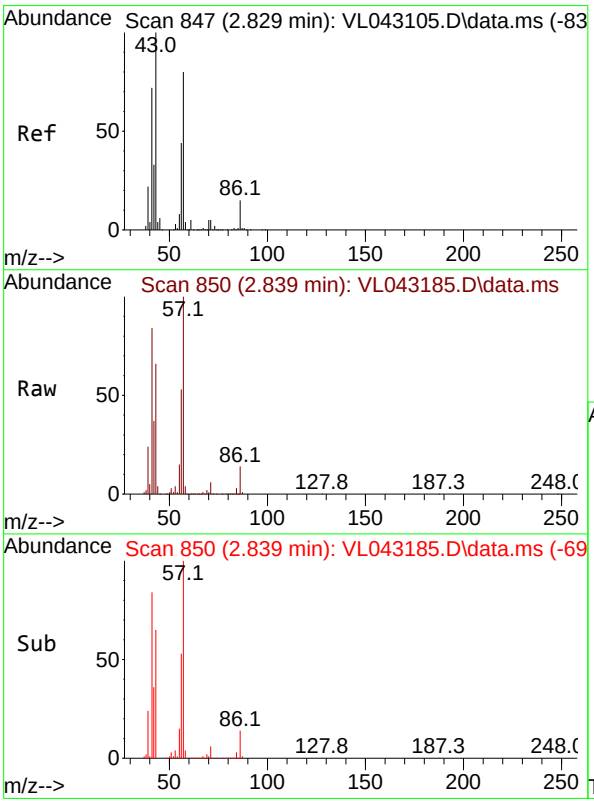
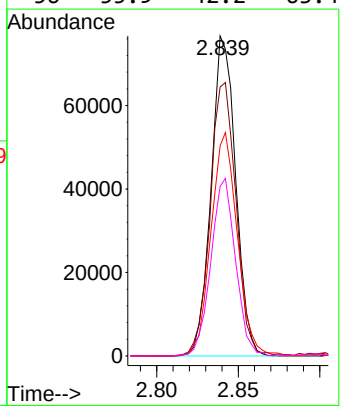
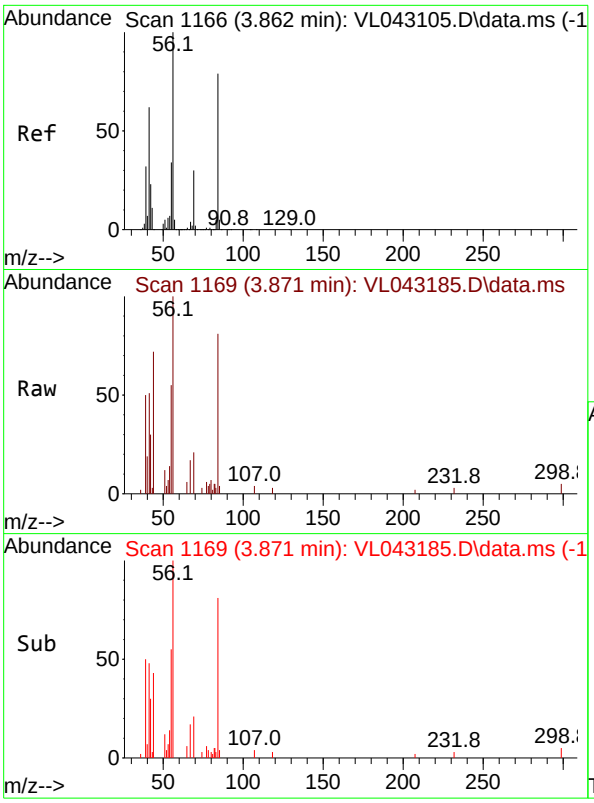


#26
Hexane
Concen: 3.626 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 57 Resp: 80281

Ion	Ratio	Lower	Upper
57	100		
41	90.0	71.4	107.0
43	75.3	178.5	267.7#
56	55.9	42.2	63.4

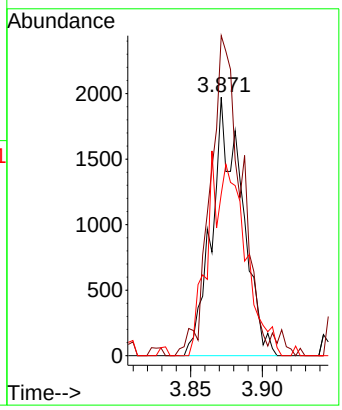




#30
Cyclohexane
Concen: 0.150 ppbv m
RT: 3.871 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 84 Resp: 289

Ion	Ratio	Lower	Upper
84	100		
56	0.0	100.9	151.3#
41	0.0	63.8	95.6#



Instrument :
MSVOA_L
ClientSampleId :
IA1ADL

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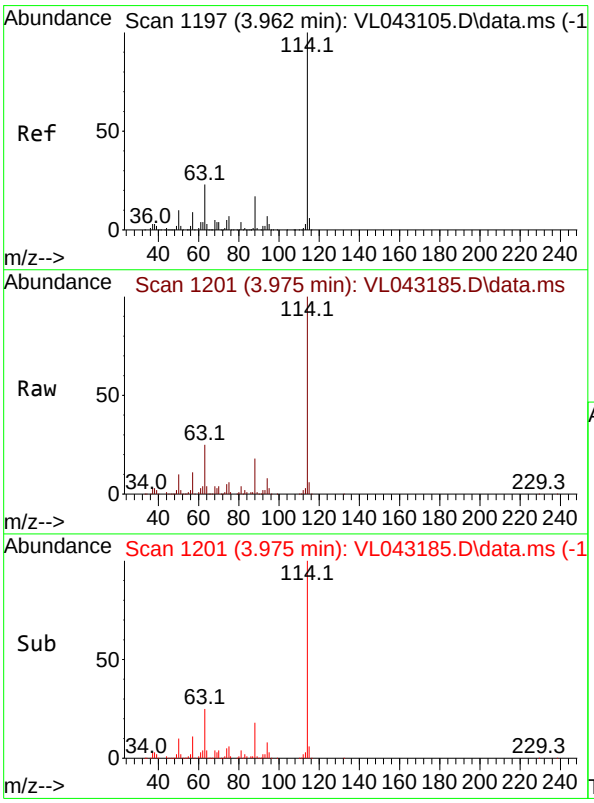
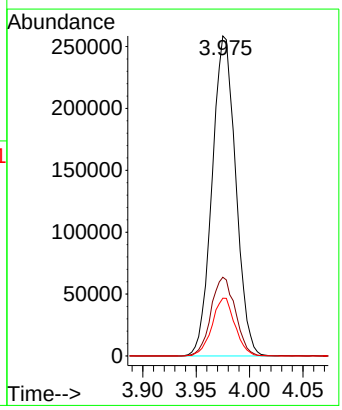
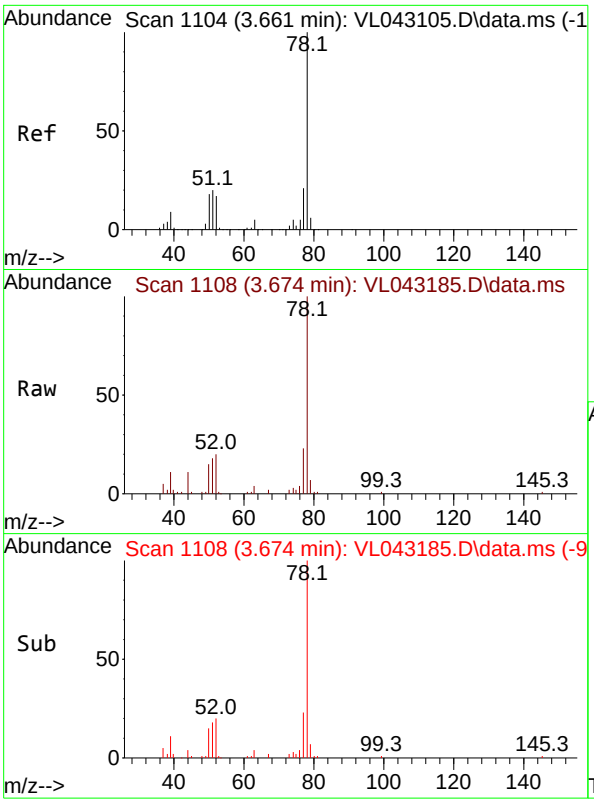


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.013 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion:114 Resp: 397242

Ion	Ratio	Lower	Upper
114	100		
63	25.4	19.3	28.9
88	17.6	13.9	20.9





#36
Benzene
Concen: 0.389 ppbv
RT: 3.674 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 78 Resp: 1454

Ion	Ratio	Lower	Upper
78	100		
77	23.5	17.0	25.6
50	15.2	14.6	22.0

Instrument :
MSVOA_L
ClientSampleId :
IA1ADL

Manual Integrations
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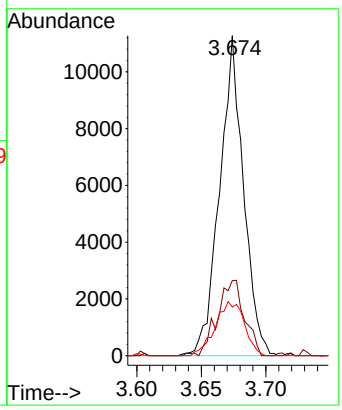
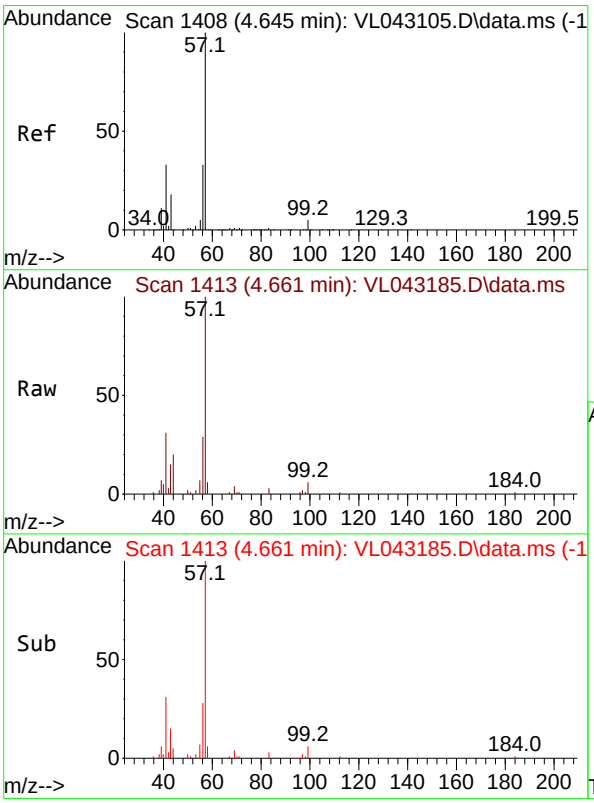
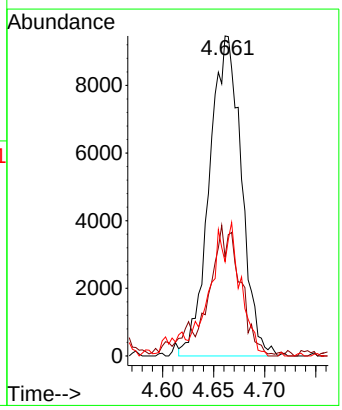


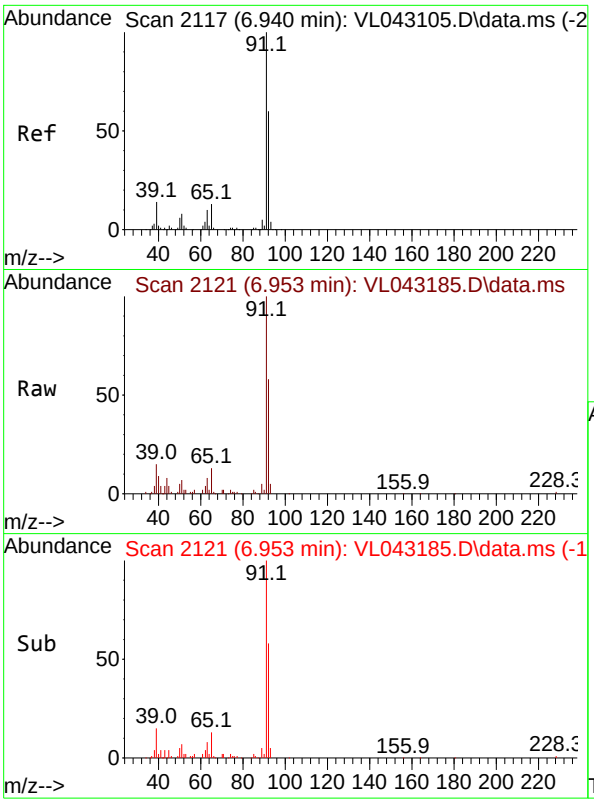


#44
2,2,4-Trimethylpentane
Concen: 0.326 ppbv m
RT: 4.661 min Scan# 1413
Delta R.T. 0.016 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 57 Resp: 20554

Ion	Ratio	Lower	Upper
57	100		
41	41.3	26.3	39.5#
56	0.0	25.9	38.9#





#53
Toluene
Concen: 0.824 ppbv
RT: 6.953 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 91 Resp: 3660

Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.8	73.2

Instrument :
MSVOA_L
ClientSampleId :
IA1ADL

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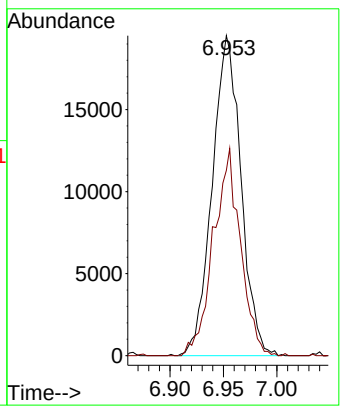
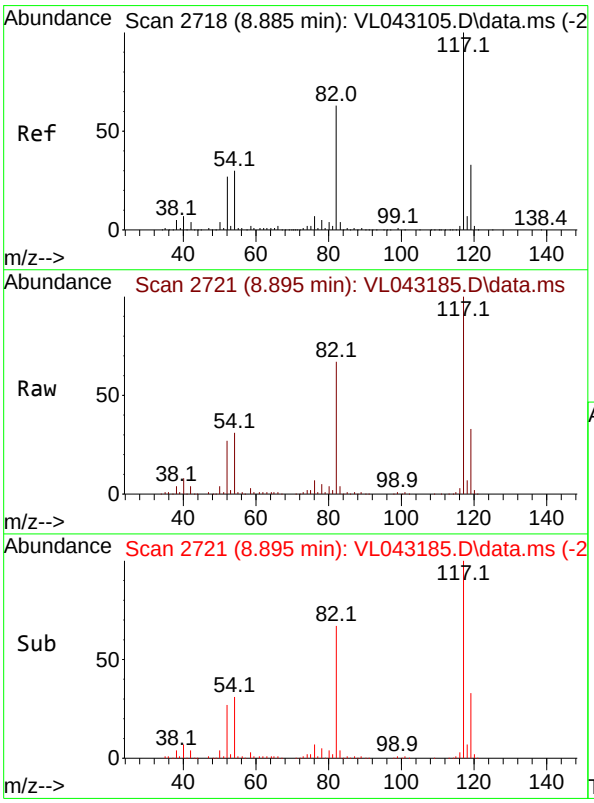
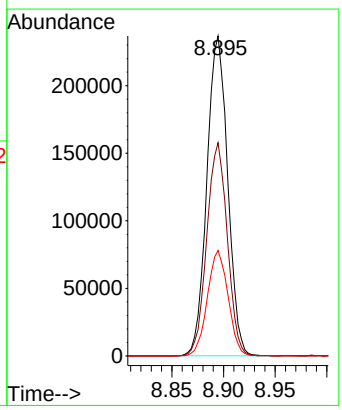


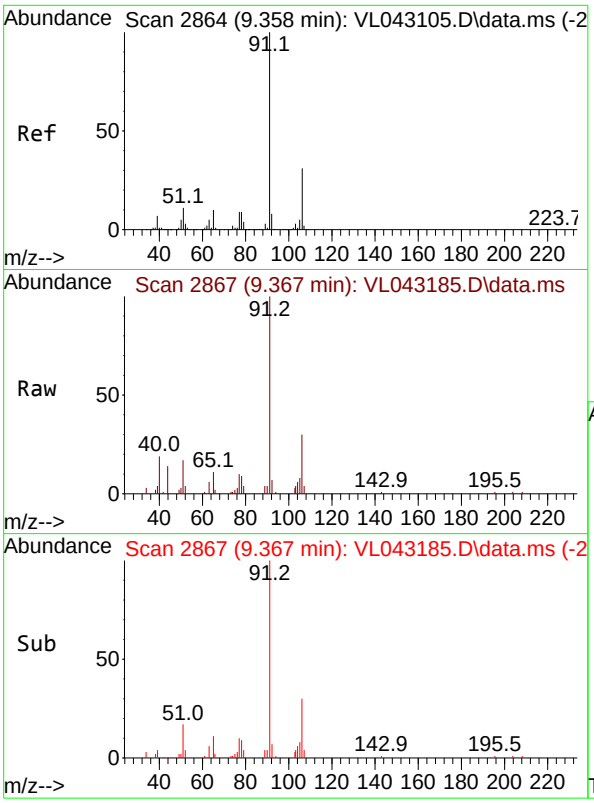


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2721
Delta R.T. 0.010 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion:117 Resp: 331668

Ion	Ratio	Lower	Upper
117	100		
82	65.9	53.8	80.8
119	32.9	25.4	38.0

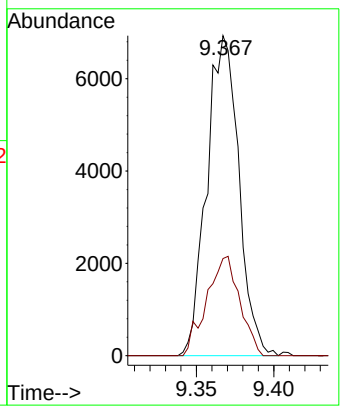




#58
Ethyl Benzene
Concen: 0.175 ppbv
RT: 9.367 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 91 Resp: 996

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
IA1ADL

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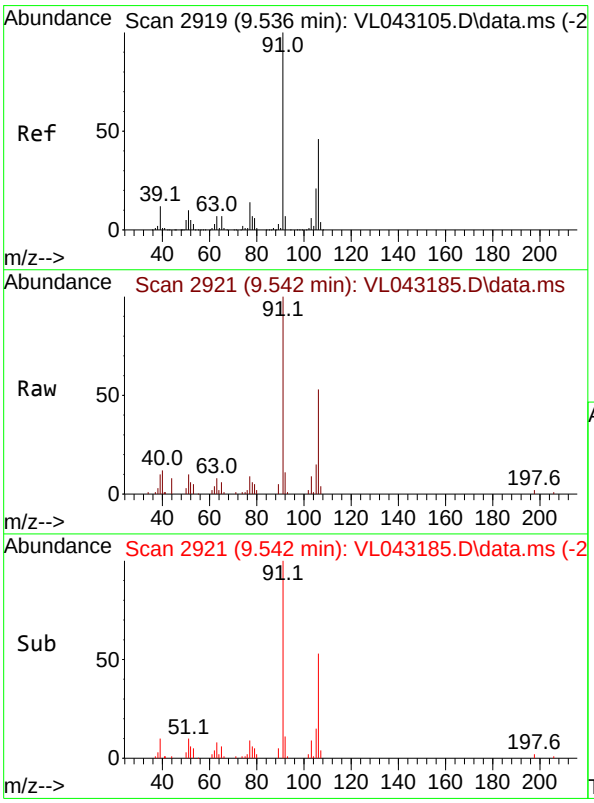
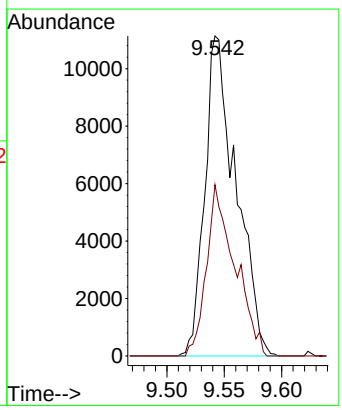
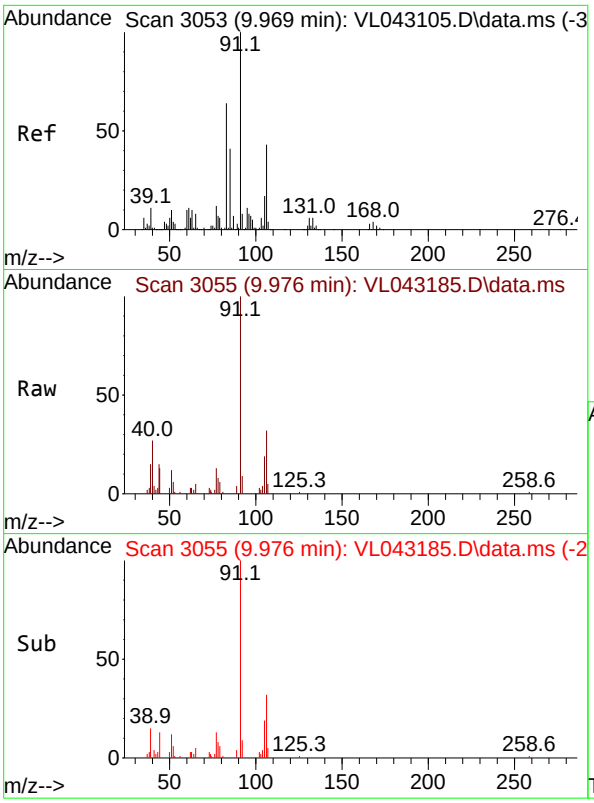


#59
m/p-Xylene
Concen: 0.464 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.006 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 91 Resp: 21079

Ion	Ratio	Lower	Upper
91	100		
106	48.7	38.0	57.0

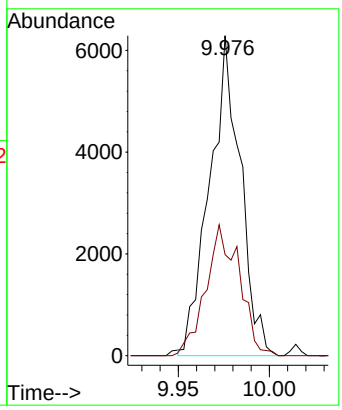




#60
o-Xylene
Concen: 0.165 ppbv
RT: 9.976 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 91 Resp: 739

Ion	Ratio	Lower	Upper
91	100		
106	44.6	21.9	65.8



Instrument :
MSVOA_L
ClientSampleId :
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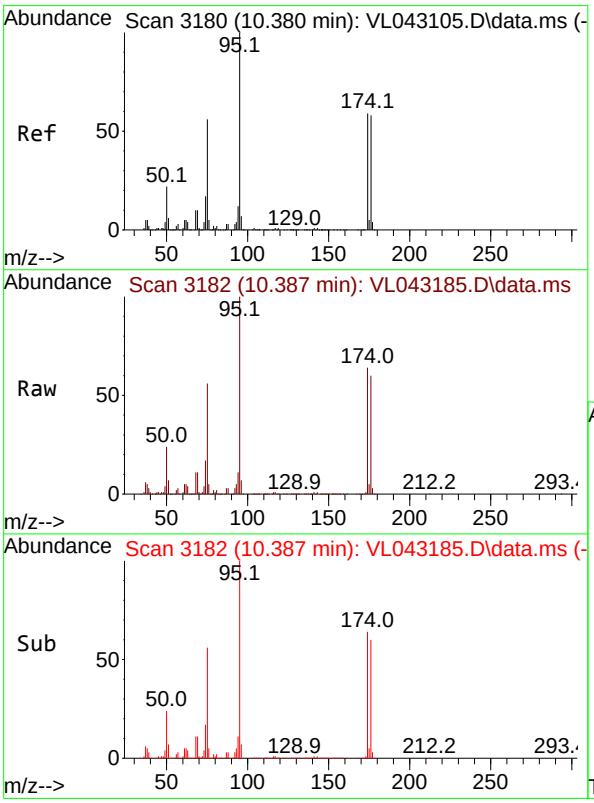
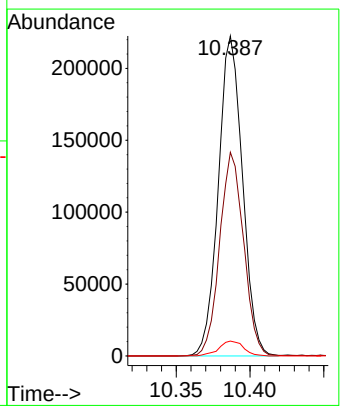
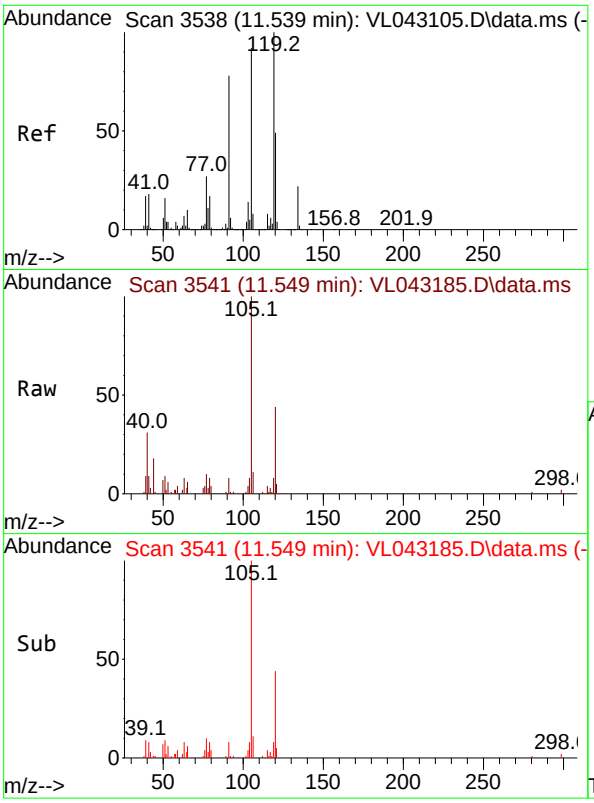


#68
1-Bromo-4-Fluorobenzene
Concen: 9.838 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.006 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion: 95 Resp: 253627

Ion	Ratio	Lower	Upper
95	100		
174	63.5	48.3	72.5
175	4.8	3.8	5.8

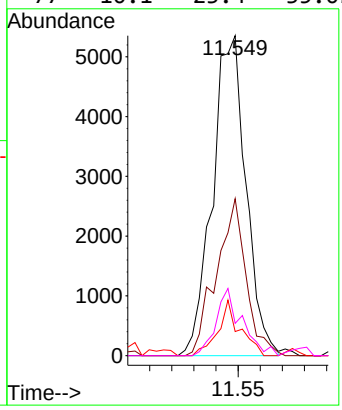




#74
1,2,4-Trimethylbenzene
Concen: 0.110 ppbv
RT: 11.549 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL043185.D
Acq: 11 Nov 2025 11:41

Tgt Ion:105 Resp: 562

Ion	Ratio	Lower	Upper
105	100		
120	49.1	42.8	64.2
91	7.5	68.3	102.5#
77	10.1	23.4	35.0#



Instrument :
MSVOA_L
ClientSampleId :
IA1ADL

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GFEL01

Lab Code: ACE SDG No.: Q3594

Instrument ID: MSVOA_L Calibration Date(s): 10/14/2025 10/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:31 14:18

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

LAB FILE ID: RRF010 = VL043105.D RRF002 = VL043106.D RRF001 = VL043107.D
RRF0.5 = VL043108.D RRF0.1 = VL043109.D RRF.03 = VL043110.D

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
Vinyl Chloride	0.481	0.528	0.557	0.562	0.554	0.723	0.552	15.3
Heptane	1.803	2.032	2.151	2.184			1.964	11.7
1,1-Dichloroethane	1.031	1.190	1.237	1.169			1.127	9
Cyclohexane	1.214	1.390	1.448	1.493			1.344	10.5
cis-1,2-Dichloroethene	1.405	1.516	1.594	1.491			1.471	6.6
1,1,1-Trichloroethane	2.136	2.424	2.439	2.407	2.605	2.165	2.324	8.3
2,2,4-Trimethylpentane	1.460	1.683	1.706	1.695			1.589	9.2
Benzene	0.871	1.023	0.980	0.974			0.942	7.6
Trichloroethene	0.342	0.398	0.402	0.401	0.421	0.460	0.393	11.4
Toluene	1.036	1.176	1.162	1.212			1.118	8.3
Tetrachloroethene	0.312	0.353	0.366	0.349	0.345	0.354	0.340	7.3
Ethyl Benzene	1.599	1.824	1.815	1.801			1.716	7.8
m/p-Xylene	1.238	1.476	1.457	1.463			1.369	9.7
o-Xylene	1.224	1.454	1.471	1.433			1.352	10.3
1,3,5-Trimethylbenzene	1.261	1.477	1.466	1.434			1.371	9
1,2,4-Trimethylbenzene	1.331	1.664	1.707	1.691			1.534	13.7
Naphthalene	1.580	1.971	1.766	1.532	1.265		1.604	15
1-Bromo-4-Fluorobenzene	0.781	0.779	0.770	0.768	0.780	0.765	0.777	1.4
Hexane	1.406	1.548	1.677	1.753			1.540	11.8

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

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL101425AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Oct 15 02:12:58 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL043110.D 0.1 =VL043109.D 0.5 =VL043108.D 1 =VL043107.D 2 =VL043106.D 10 =VL043105.D 15 =VL043111.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.545	1.527	1.481	1.278	1.278	1.422	9.38
3)		Chlorodifluoro...			1.672	1.632	1.577	1.451	1.359	1.538	8.46
4)		Chloromethane			0.640	0.621	0.579	0.500	0.477	0.563	12.89
5)	T	Vinyl Chloride	0.723	0.554	0.562	0.557	0.528	0.481	0.462	0.552	15.33
6)	T	Bromomethane			0.336	0.338	0.317	0.260	0.263	0.303	12.78
7)		Chloroethane			0.261	0.256	0.238	0.192	0.183	0.226	16.03
8)	T	Dichlorotetraf...			1.175	1.265	1.230	1.040	1.036	1.149	9.26
9)	T	Propene			0.738	0.713	0.721	0.655	0.585	0.682	9.20
10)	T	Heptane			2.184	2.151	2.032	1.803	1.650	1.964	11.73
11)	T	Trichlorofluor...			1.510	1.459	1.477	1.242	1.265	1.391	9.11
12)	T	1,1,2-Trichlor...			1.215	1.220	1.191	0.976	0.996	1.120	10.97
13)		Ethanol			0.289	0.307	0.302	0.193	0.171	0.252	25.86
14)	T	Bromoethene			0.481	0.434	0.431	0.371	0.362	0.416	11.84
15)	T	Acetone			1.561	1.522	1.508	1.091	1.058	1.348	18.60
16)	T	1,3-Butadiene			0.780	0.700	0.649	0.552	0.531	0.642	16.07
17)		tert-Butyl alc...			2.010	2.047	1.934	1.689	1.571	1.850	11.31
18)	T	1,1-Dichloroet...			0.519	0.539	0.512	0.437	0.434	0.488	10.07
19)	T	Isopropyl Alcohol			0.971	0.958	0.870	0.725	0.674	0.839	16.03
20)	T	Methylene Chlo...			0.738	0.612	0.508	0.406	0.400	0.533	26.98
21)	T	Allyl Chloride			1.097	1.049	1.040	0.910	0.869	0.993	9.86
22)	T	trans-1,2-Dich...			0.609	0.696	0.594	0.511	0.508	0.583	13.38
23)	T	Vinyl Acetate			2.148	1.904	2.292	1.623	1.905	1.974	13.03
24)	T	1,1-Dichloroet...			1.169	1.237	1.190	1.031	1.009	1.127	8.99
25)	T	Ethyl Acetate			3.526	3.626	3.558	3.132	2.871	3.342	9.77
26)	T	Hexane			1.753	1.677	1.548	1.406	1.318	1.540	11.77
27)	T	Carbon Disulfide			1.423	1.540	1.505	1.315	1.272	1.411	8.26
28)	T	Methyl tert-Bu...			0.742	0.767	0.769	0.587	0.638	0.701	11.86
29)	T	Chloroform			2.437	2.397	2.296	2.030	1.997	2.232	9.22
30)	T	Cyclohexane			1.493	1.448	1.390	1.214	1.176	1.344	10.53
31)	T	cis-1,2-Dichlo...			1.491	1.594	1.516	1.405	1.348	1.471	6.55
32)	T	1,1,1-Trichlor...	2.165	2.605	2.407	2.439	2.424	2.136	2.092	2.324	8.31
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.753	0.708	0.707	0.606	0.587	0.672	10.68
35)	T	Carbon Tetrach...	0.752	0.761	0.710	0.743	0.745	0.649	0.674	0.719	5.96
36)	T	Benzene			0.974	0.980	1.023	0.871	0.862	0.942	7.60
37)	T	1,2-Dichloroet...			0.589	0.571	0.565	0.485	0.502	0.543	8.49
38)	T	Trichloroethene	0.460	0.421	0.401	0.402	0.398	0.342	0.330	0.393	11.38
39)	T	1,2-Dichloropr...			0.359	0.370	0.371	0.317	0.305	0.344	8.99

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL101425AIR.M

40)	T	1,4-Dioxane			0.166	0.166	0.162	0.141	0.135	0.154	9.56
41)	T	Tetrahydrofuran			0.427	0.394	0.384	0.343	0.332	0.376	10.32
42)	T	Bromodichlorom...			0.779	0.775	0.791	0.697	0.713	0.751	5.68
43)		Methyl Methacr...			0.500	0.511	0.493	0.450	0.437	0.478	6.85
44)	T	2,2,4-Trimethy...			1.695	1.706	1.683	1.460	1.401	1.589	9.22
45)	T	t-1,3-Dichloro...			0.478	0.502	0.506	0.462	0.453	0.480	4.94
46)	T	cis-1,3-Dichlo...			0.593	0.590	0.603	0.546	0.535	0.573	5.34
47)	T	1,1,2-Trichlor...			0.416	0.383	0.384	0.338	0.338	0.372	9.07
48)	T	Dibromochlorom...			0.619	0.650	0.667	0.589	0.582	0.622	5.96
49)	T	Bromoform			0.503	0.515	0.544	0.487	0.478	0.505	5.14
50)	T	4-Methyl-2-Pen...			0.969	0.989	0.974	0.873	0.833	0.928	7.55
51)	T	2-Hexanone			0.683	0.708	0.738	0.692	0.658	0.696	4.31
52)	T	Tetrachloroethene	0.354	0.345	0.349	0.366	0.353	0.312	0.298	0.340	7.27
53)	T	Toluene			1.212	1.162	1.176	1.036	1.003	1.118	8.28
54)	T	1,2-Dibromoethane		0.662	0.570	0.586	0.617	0.533	0.526	0.582	8.84
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.662	0.664	0.665	0.590	0.570	0.630	7.32
57)	T	Chlorobenzene			1.010	1.009	1.000	0.849	0.810	0.936	10.47
58)	T	Ethyl Benzene			1.801	1.815	1.824	1.599	1.543	1.716	7.84
59)	T	m/p-Xylene			1.463	1.457	1.476	1.238	1.210	1.369	9.71
60)	T	o-Xylene			1.433	1.471	1.454	1.224	1.177	1.352	10.34
61)	T	Styrene			0.597	0.649	0.664	0.578	0.564	0.610	7.17
62)		Isopropylbenzene			2.564	2.671	2.616	2.241	2.123	2.443	10.02
63)	T	1,1,2,2-Tetrac...	1.029	1.019	0.900	0.924	0.933	0.777	0.755	0.905	11.78
64)		n-propylbenzene			0.688	0.710	0.696	0.589	0.551	0.647	11.10
65)		tert-Butylbenzene			2.342	2.383	2.364	1.901	1.796	2.157	13.20
66)	T	Benzyl Chloride			0.229	0.259	0.250	0.241	0.221	0.240	6.35
67)		sec-Butylbenzene			3.313	3.378	3.357	2.697	2.565	3.062	12.96
68)	S	1-Bromo-4-Fluo...	0.765	0.780	0.768	0.770	0.779	0.781	0.798	0.777	1.44
69)		p-Isopropyltol...			2.726	2.896	2.871	2.330	2.186	2.602	12.47
70)		n-Butylbenzene			2.611	2.820	2.849	2.321	2.218	2.564	11.16
71)		2-Chlorotoluene			1.959	1.997	2.018	1.698	1.645	1.863	9.53
72)	T	4-Ethyltoluene			1.741	1.761	1.805	1.530	1.475	1.662	8.97
73)	T	1,3,5-Trimethy...			1.434	1.466	1.477	1.261	1.217	1.371	8.95
74)	T	1,2,4-Trimethy...			1.691	1.706	1.664	1.331	1.278	1.534	13.75
75)	T	1,3-Dichlorobe...			0.903	0.956	1.000	0.818	0.773	0.890	10.57
76)	T	1,4-Dichlorobe...			0.957	0.957	0.971	0.823	0.779	0.897	9.96
77)	T	1,2-Dichlorobe...			0.944	0.954	0.914	0.766	0.727	0.861	12.40
78)	T	Hexachloro-1,3...			0.751	0.764	0.746	0.555	0.516	0.667	18.08
79)	T	Naphthalene		1.265	1.532	1.766	1.971	1.580	1.507	1.604	15.04
80)	T	Naphthalene,2-...			0.255	0.355	0.515	0.478	0.485	0.418	26.20
81)	T	1,2,4-Trichlor...			0.553	0.726	0.803	0.638	0.608	0.666	14.90

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043105.D
Acq On : 14 Oct 2025 10:31
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	103971	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	341790	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	309230	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	241468	10.046	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	132845	8.987	ppbv	100
3) Chlorodifluoromethane	1.476	51	150832	9.431	ppbv	100
4) Chloromethane	1.535	50	51934	8.869	ppbv	100
5) Vinyl Chloride	1.583	62	50044	8.713	ppbv	100
6) Bromomethane	1.671	94	27062	8.593	ppbv	100
7) Chloroethane	1.706	64	19941	8.492	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	108109	9.049	ppbv	100
9) Propene	1.483	41	68116	9.602	ppbv	100
10) Heptane	4.985	43	187423	9.217	ppbv	100
11) Trichlorofluoromethane	1.881	101	129180	8.935	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	101442	8.715	ppbv	100
13) Ethanol	1.722	45	20045	7.640	ppbv	100
14) Bromoethene	1.784	108	38553	8.916	ppbv	100
15) Acetone	1.836	43	113399	8.047	ppbv	100
16) 1,3-Butadiene	1.612	39	57406	8.596	ppbv	100
17) tert-Butyl alcohol	2.043	59	175630	9.130	ppbv	100
18) 1,1-Dichloroethene	2.036	96	45413	8.949	ppbv	100
19) Isopropyl Alcohol	1.887	45	75355	8.634	ppbv	97
20) Methylene Chloride	2.065	84	42212	7.620	ppbv	100
21) Allyl Chloride	2.098	41	94625	9.145	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	53146	8.761	ppbv	100
23) Vinyl Acetate	2.467	43	168706	8.218	ppbv	100
24) 1,1-Dichloroethane	2.412	63	107153	9.143	ppbv	100
25) Ethyl Acetate	2.839	43	325662	9.371	ppbv	100
26) Hexane	2.829	57	146168	9.128	ppbv	99
27) Carbon Disulfide	2.153	76	136729	9.319	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	61076	8.384	ppbv	98
29) Chloroform	2.852	83	211071	9.097	ppbv	100
30) Cyclohexane	3.862	84	126226	9.037	ppbv	100
31) cis-1,2-Dichloroethene	2.722	61	146072	9.553	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	222043	9.189	ppbv	100
34) 2-Butanone	2.557	43	207274	8.971	ppbv	100
35) Carbon Tetrachloride	3.768	117	221937	9.032	ppbv	100
36) Benzene	3.661	78	297653	9.246	ppbv	100
37) 1,2-Dichloroethane	3.221	62	165898	8.946	ppbv	100
38) Trichloroethene	4.554	130	116947	8.708	ppbv	100
39) 1,2-Dichloropropane	4.315	63	108446	9.207	ppbv	100
40) 1,4-Dioxane	4.583	88	48201	9.153	ppbv #	97
41) Tetrahydrofuran	3.056	42	117069	9.076	ppbv	100
42) Bromodichloromethane	4.496	83	238353	9.286	ppbv	100
43) Methyl Methacrylate	4.881	69	153927	9.371	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	499148	9.273	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	157856	9.620	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043105.D
Acq On : 14 Oct 2025 10:31
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	186533	9.525	ppbv	100
47) 1,1,2-Trichloroethane	6.584	97	115419	9.082	ppbv	100
48) Dibromochloromethane	7.390	129	201349	9.476	ppbv	100
49) Bromoform	9.487	173	166377	9.633	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	298401	9.362	ppbv	100
51) 2-Hexanone	7.438	43	236391	9.940	ppbv	100
52) Tetrachloroethene	8.228	164	106710	9.192	ppbv	100
53) Toluene	6.940	91	354007	9.266	ppbv	100
54) 1,2-Dibromoethane	7.658	107	182074	9.080	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	182585	9.367	ppbv	100
57) Chlorobenzene	8.927	112	262566	9.076	ppbv	100
58) Ethyl Benzene	9.358	91	494344	9.241	ppbv	100
59) m/p-Xylene	9.536	91	765374m	18.067	ppbv	
60) o-Xylene	9.969	91	378462	9.053	ppbv	100
61) Styrene	9.875	104	178859	9.477	ppbv	100
62) Isopropylbenzene	10.542	105	692992	9.173	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	240245	8.582	ppbv	100
64) n-propylbenzene	10.992	120	182233	9.112	ppbv	100
65) tert-Butylbenzene	11.536	119	587750	8.810	ppbv	100
66) Benzyl Chloride	11.617	91	74574	10.009	ppbv	100
67) sec-Butylbenzene	11.769	105	834052	8.809	ppbv	100
69) p-Isopropyltoluene	11.927	119	720433	8.955	ppbv	100
70) n-Butylbenzene	12.283	91	717743	9.053	ppbv	100
71) 2-Chlorotoluene	10.905	91	524961	9.111	ppbv	100
72) 4-Ethyltoluene	11.128	105	473042	9.202	ppbv	100
73) 1,3,5-Trimethylbenzene	11.206	105	389818	9.195	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	411619	8.676	ppbv	100
75) 1,3-Dichlorobenzene	11.610	146	252926	9.192	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	254461	9.171	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	236724	8.893	ppbv	100
78) Hexachloro-1,3-Butadiene	13.886	225	171777	8.334	ppbv	100
79) Naphthalene	13.517	128	488672	9.972	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	147897	11.431	ppbv	100
81) 1,2,4-Trichlorobenzene	13.442	180	197210	9.582	ppbv	100

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

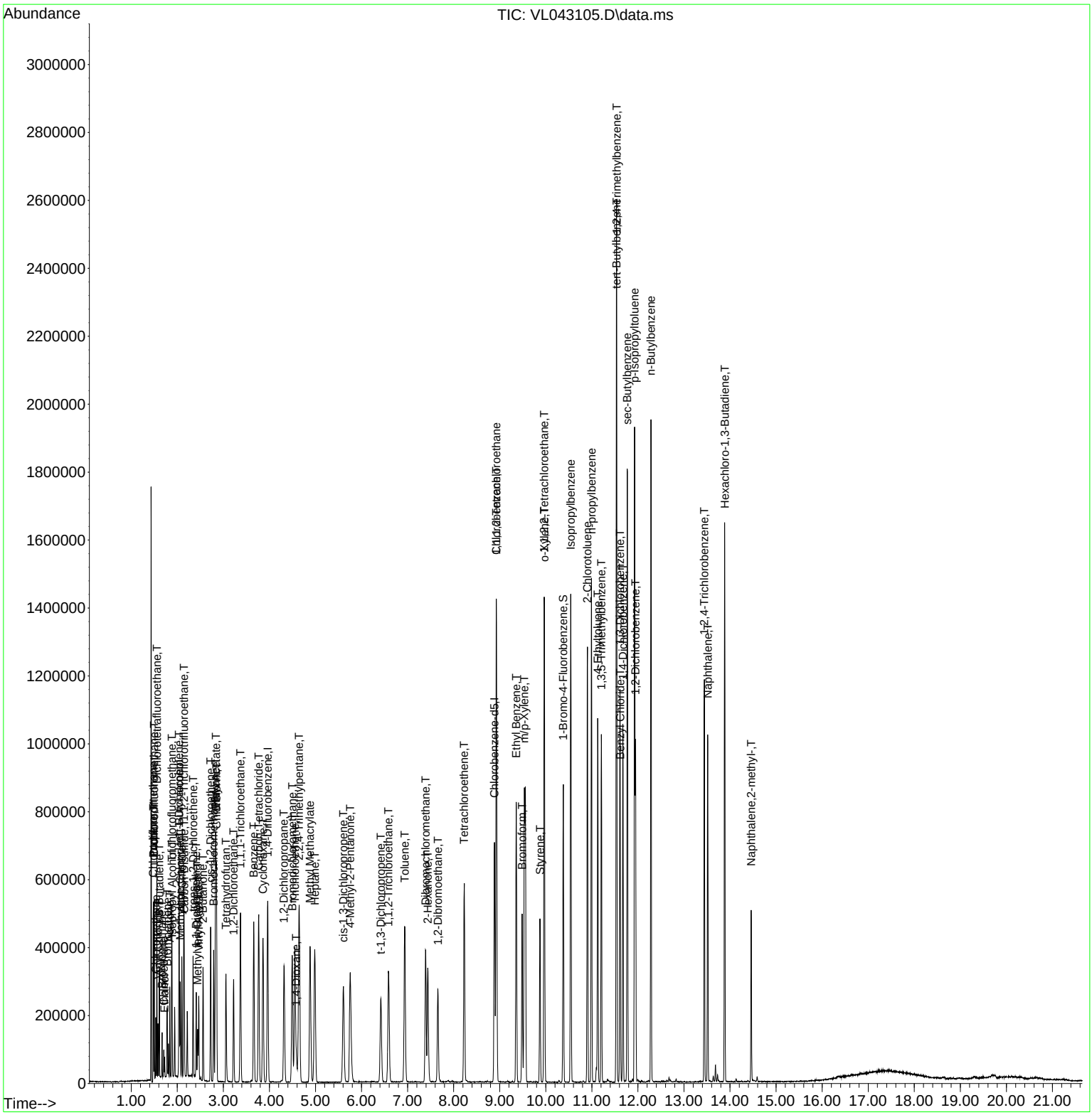
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043105.D
Acq On : 14 Oct 2025 10:31
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043106.D
Acq On : 14 Oct 2025 11:27
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	105309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	342939	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	313603	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	244329	10.024	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	31189	2.083	ppbv	99
3) Chlorodifluoromethane	1.476	51	33217	2.050	ppbv	96
4) Chloromethane	1.535	50	12185	2.054	ppbv	93
5) Vinyl Chloride	1.583	62	11114	1.911	ppbv	92
6) Bromomethane	1.671	94	6672	2.092	ppbv	95
7) Chloroethane	1.706	64	5008	2.106	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	25897	2.140	ppbv	100
9) Propene	1.486	41	15177	2.112	ppbv	94
10) Heptane	4.982	43	42790	2.078	ppbv	97
11) Trichlorofluoromethane	1.881	101	31114	2.125	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	25091	2.128	ppbv	100
13) Ethanol	1.722	45	6363	2.394	ppbv	95
14) Bromoethene	1.784	108	9087	2.075	ppbv	97
15) Acetone	1.836	43	31756	2.225	ppbv	97
16) 1,3-Butadiene	1.612	39	13668	2.021	ppbv	99
17) tert-Butyl alcohol	2.043	59	40738	2.091	ppbv	96
18) 1,1-Dichloroethene	2.036	96	10794	2.100	ppbv	99
19) Isopropyl Alcohol	1.888	45	18326	2.073	ppbv #	40
20) Methylene Chloride	2.062	84	10694	1.906	ppbv #	82
21) Allyl Chloride	2.098	41	21902	2.090	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	12511	2.036	ppbv	98
23) Vinyl Acetate	2.464	43	48282	2.322	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	25066	2.112	ppbv	99
25) Ethyl Acetate	2.836	43	74929	2.129	ppbv	99
26) Hexane	2.829	57	32595	2.010	ppbv	93
27) Carbon Disulfide	2.153	76	31705	2.134	ppbv	95
28) Methyl tert-Butyl Ether	2.441	73	16207	2.196	ppbv	98
29) Chloroform	2.849	83	48367	2.058	ppbv	99
30) Cyclohexane	3.859	84	29270	2.069	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	31925	2.061	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	51049	2.086	ppbv	98
34) 2-Butanone	2.558	43	48458	2.090	ppbv	99
35) Carbon Tetrachloride	3.765	117	51073	2.071	ppbv	97
36) Benzene	3.658	78	70156	2.172	ppbv	98
37) 1,2-Dichloroethane	3.218	62	38767	2.083	ppbv	100
38) Trichloroethene	4.551	130	27272	2.024	ppbv	96
39) 1,2-Dichloropropane	4.315	63	25427	2.151	ppbv	92
40) 1,4-Dioxane	4.584	88	11102m	2.101	ppbv	
41) Tetrahydrofuran	3.059	42	26362	2.037	ppbv	98
42) Bromodichloromethane	4.496	83	54224	2.106	ppbv #	93
43) Methyl Methacrylate	4.878	69	33805	2.051	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	115417	2.137	ppbv	99
45) t-1,3-Dichloropropene	6.416	75	34728	2.109	ppbv	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043106.D
Acq On : 14 Oct 2025 11:27
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	41365m	2.105	ppbv		
47) 1,1,2-Trichloroethane	6.584	97	26359	2.067	ppbv		94
48) Dibromochloromethane	7.390	129	45751	2.146	ppbv		99
49) Bromoform	9.484	173	37314	2.153	ppbv		99
50) 4-Methyl-2-Pentanone	5.752	43	66811	2.089	ppbv		99
51) 2-Hexanone	7.438	43	50642	2.122	ppbv	#	99
52) Tetrachloroethene	8.228	164	24183	2.076	ppbv		91
53) Toluene	6.937	91	80660	2.104	ppbv		99
54) 1,2-Dibromoethane	7.655	107	42320	2.103	ppbv		94
56) 1,1,1,2-Tetrachloroethane	8.924	131	41712	2.110	ppbv		94
57) Chlorobenzene	8.924	112	62714	2.138	ppbv		97
58) Ethyl Benzene	9.354	91	114403	2.109	ppbv		99
59) m/p-Xylene	9.532	91	185190m	4.311	ppbv		
60) o-Xylene	9.963	91	91223	2.152	ppbv		98
61) Styrene	9.872	104	41631	2.175	ppbv		98
62) Isopropylbenzene	10.539	105	164073	2.142	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.966	83	58510	2.061	ppbv		99
64) n-propylbenzene	10.989	120	43648	2.152	ppbv		96
65) tert-Butylbenzene	11.529	119	148300	2.192	ppbv		99
66) Benzyl Chloride	11.617	91	15656	2.072	ppbv		98
67) sec-Butylbenzene	11.769	105	210525	2.193	ppbv		99
69) p-Isopropyltoluene	11.928	119	180060	2.207	ppbv		99
70) n-Butylbenzene	12.284	91	178676	2.222	ppbv		98
71) 2-Chlorotoluene	10.902	91	126551	2.166	ppbv		99
72) 4-Ethyltoluene	11.125	105	113233	2.172	ppbv		98
73) 1,3,5-Trimethylbenzene	11.206	105	92650	2.155	ppbv		99
74) 1,2,4-Trimethylbenzene	11.536	105	104352	2.169	ppbv		98
75) 1,3-Dichlorobenzene	11.607	146	62709	2.247	ppbv		99
76) 1,4-Dichlorobenzene	11.672	146	60877	2.164	ppbv		100
77) 1,2-Dichlorobenzene	11.947	146	57304	2.123	ppbv		97
78) Hexachloro-1,3-Butadiene	13.883	225	46796	2.239	ppbv		98
79) Naphthalene	13.514	128	123642	2.488	ppbv		99
80) Naphthalene,2-methyl-	14.459	142	32308	2.462	ppbv		98
81) 1,2,4-Trichlorobenzene	13.442	180	50394	2.414	ppbv		99

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

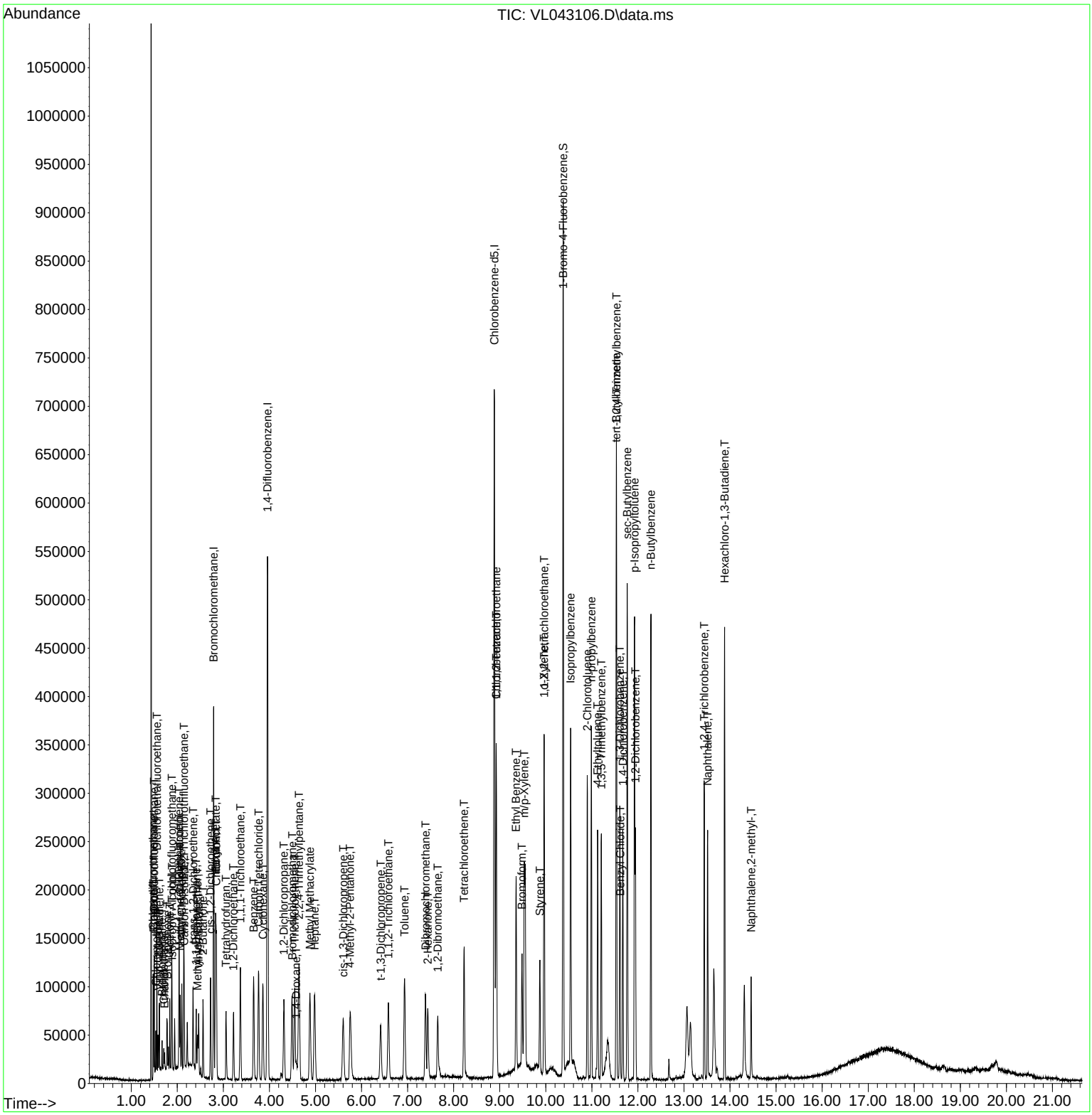
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043106.D
Acq On : 14 Oct 2025 11:27
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043107.D
Acq On : 14 Oct 2025 12:01
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	102307	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	336268	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	305409	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	235307	9.912	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	15620	1.074	ppbv		99
3) Chlorodifluoromethane	1.476	51	16692	1.061	ppbv	#	91
4) Chloromethane	1.534	50	6353	1.103	ppbv		93
5) Vinyl Chloride	1.580	62	5694	1.008	ppbv		96
6) Bromomethane	1.667	94	3462	1.117	ppbv		98
7) Chloroethane	1.706	64	2615	1.132	ppbv	#	82
8) Dichlorotetrafluoroethane	1.554	85	12940	1.101	ppbv		98
9) Propene	1.483	41	7291	1.045	ppbv		100
10) Heptane	4.978	43	22011	1.100	ppbv		99
11) Trichlorofluoromethane	1.877	101	14927	1.049	ppbv		85
12) 1,1,2-Trichlorotrifluo...	2.140	101	12484	1.090	ppbv		99
13) Ethanol	1.722	45	3143	1.217	ppbv		83
14) Bromoethene	1.780	108	4440	1.043	ppbv	#	90
15) Acetone	1.835	43	15572	1.123	ppbv		90
16) 1,3-Butadiene	1.609	39	7157	1.089	ppbv		97
17) tert-Butyl alcohol	2.043	59	20941	1.106	ppbv	#	90
18) 1,1-Dichloroethene	2.036	96	5510	1.103	ppbv		88
19) Isopropyl Alcohol	1.887	45	9796	1.141	ppbv	#	85
20) Methylene Chloride	2.062	84	6261	1.149	ppbv		96
21) Allyl Chloride	2.094	41	10737	1.055	ppbv	#	82
22) trans-1,2-Dichloroethene	2.340	96	7119	1.193	ppbv		92
23) Vinyl Acetate	2.463	43	19477	0.964	ppbv		99
24) 1,1-Dichloroethane	2.405	63	12656	1.097	ppbv	#	94
25) Ethyl Acetate	2.832	43	37093	1.085	ppbv		98
26) Hexane	2.826	57	17152	1.089	ppbv		98
27) Carbon Disulfide	2.149	76	15760	1.092	ppbv	#	60
28) Methyl tert-Butyl Ether	2.441	73	7847	1.095	ppbv	#	87
29) Chloroform	2.845	83	24527	1.074	ppbv		90
30) Cyclohexane	3.855	84	14819	1.078	ppbv		97
31) cis-1,2-Dichloroethene	2.719	61	16311	1.084	ppbv		93
32) 1,1,1-Trichloroethane	3.366	97	24948	1.049	ppbv		98
34) 2-Butanone	2.557	43	23811	1.047	ppbv		100
35) Carbon Tetrachloride	3.761	117	24969	1.033	ppbv		93
36) Benzene	3.651	78	32940	1.040	ppbv		99
37) 1,2-Dichloroethane	3.217	62	19213	1.053	ppbv		100
38) Trichloroethene	4.544	130	13512	1.023	ppbv		96
39) 1,2-Dichloropropane	4.311	63	12435	1.073	ppbv		92
40) 1,4-Dioxane	4.593	88	5579m	1.077	ppbv		
41) Tetrahydrofuran	3.056	42	13251	1.044	ppbv		99
42) Bromodichloromethane	4.486	83	26069	1.032	ppbv	#	94
43) Methyl Methacrylate	4.878	69	17195	1.064	ppbv		97
44) 2,2,4-Trimethylpentane	4.638	57	57382	1.084	ppbv		96
45) t-1,3-Dichloropropene	6.415	75	16874m	1.045	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043107.D
Acq On : 14 Oct 2025 12:01
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	19830	1.029	ppbv		94
47) 1,1,2-Trichloroethane	6.577	97	12876	1.030	ppbv		98
48) Dibromochloromethane	7.383	129	21874	1.046	ppbv		97
49) Bromoform	9.480	173	17320	1.019	ppbv		96
50) 4-Methyl-2-Pentanone	5.752	43	33269m	1.061	ppbv		
51) 2-Hexanone	7.441	43	23817	1.018	ppbv	#	95
52) Tetrachloroethene	8.224	164	12319	1.079	ppbv		91
53) Toluene	6.930	91	39079	1.040	ppbv		98
54) 1,2-Dibromoethane	7.652	107	19711	0.999	ppbv		88
56) 1,1,1,2-Tetrachloroethane	8.920	131	20279	1.053	ppbv		96
57) Chlorobenzene	8.920	112	30824	1.079	ppbv		97
58) Ethyl Benzene	9.351	91	55420	1.049	ppbv		96
59) m/p-Xylene	9.552	91	88998m	2.127	ppbv		
60) o-Xylene	9.963	91	44925	1.088	ppbv		100
61) Styrene	9.869	104	19809	1.063	ppbv		98
62) Isopropylbenzene	10.535	105	81579	1.093	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	28230	1.021	ppbv		100
64) n-propylbenzene	10.985	120	21685	1.098	ppbv		98
65) tert-Butylbenzene	11.529	119	72781	1.105	ppbv		99
66) Benzyl Chloride	11.613	91	7918	1.076	ppbv		97
67) sec-Butylbenzene	11.765	105	103152	1.103	ppbv		100
69) p-Isopropyltoluene	11.924	119	88443	1.113	ppbv		99
70) n-Butylbenzene	12.280	91	86120	1.100	ppbv		98
71) 2-Chlorotoluene	10.898	91	60994	1.072	ppbv		99
72) 4-Ethyltoluene	11.121	105	53788	1.059	ppbv		98
73) 1,3,5-Trimethylbenzene	11.202	105	44786	1.070	ppbv		98
74) 1,2,4-Trimethylbenzene	11.532	105	52118	1.112	ppbv		95
75) 1,3-Dichlorobenzene	11.604	146	29186	1.074	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	29225	1.066	ppbv		98
77) 1,2-Dichlorobenzene	11.947	146	29146	1.109	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	23330	1.146	ppbv		99
79) Naphthalene	13.510	128	53930	1.114	ppbv		98
80) Naphthalene,2-methyl-	14.458	142	10851	0.849	ppbv		94
81) 1,2,4-Trichlorobenzene	13.439	180	22161	1.090	ppbv		98

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

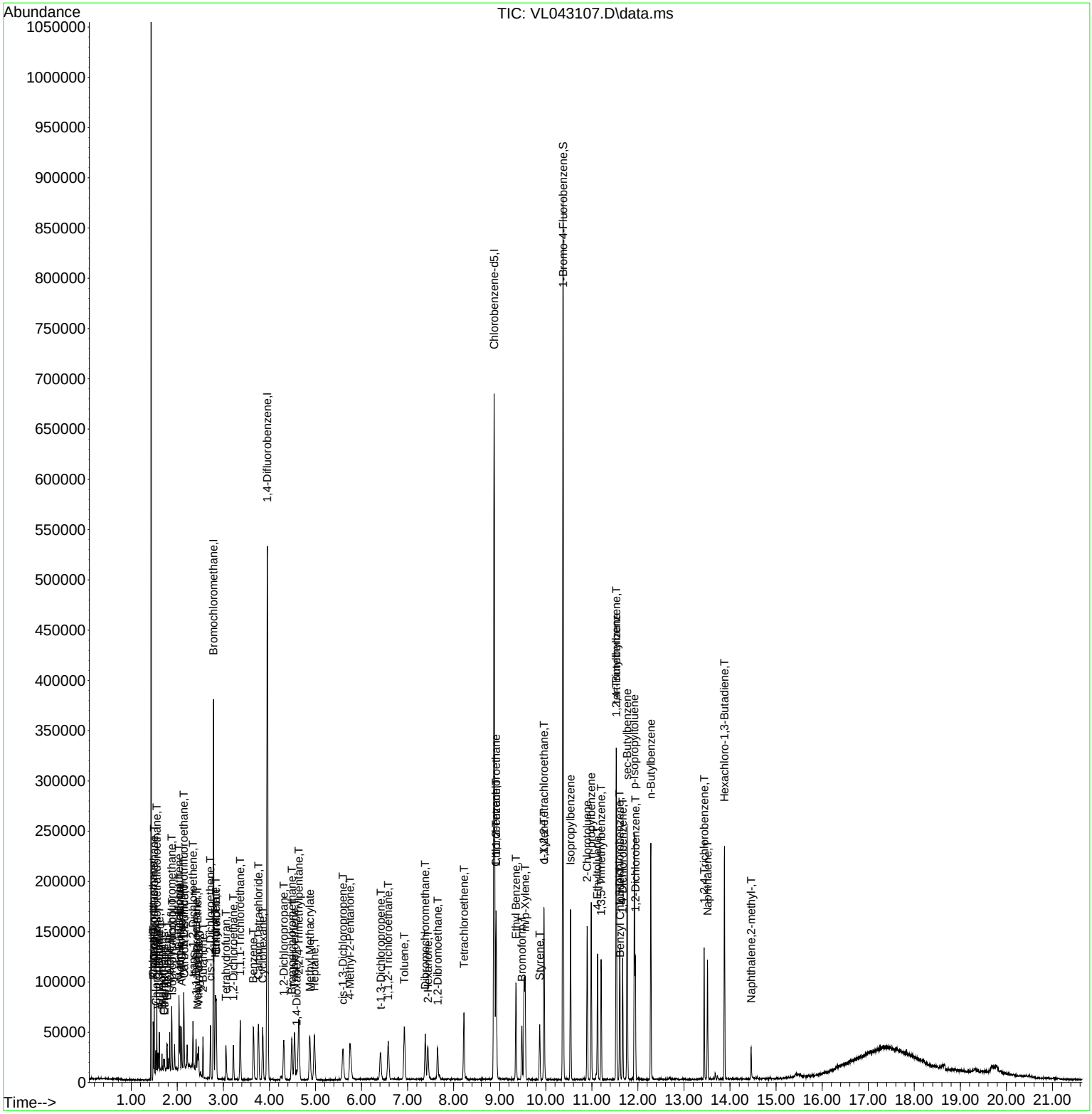
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043107.D
Acq On : 14 Oct 2025 12:01
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043108.D
Acq On : 14 Oct 2025 12:34
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	101636	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	336188	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	303445	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	232904	9.875	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	7851	0.543	ppbv	98
3) Chlorodifluoromethane	1.479	51	8497	0.543	ppbv #	89
4) Chloromethane	1.534	50	3254	0.568	ppbv #	88
5) Vinyl Chloride	1.583	62	2857	0.509	ppbv	96
6) Bromomethane	1.670	94	1709	0.555	ppbv	100
7) Chloroethane	1.706	64	1326	0.578	ppbv #	85
8) Dichlorotetrafluoroethane	1.557	85	5970	0.511	ppbv	92
9) Propene	1.486	41	3750	0.541	ppbv	92
10) Heptane	4.981	43	11097m	0.558	ppbv	
11) Trichlorofluoromethane	1.881	101	7672	0.543	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	6173	0.543	ppbv	100
13) Ethanol	1.725	45	1468	0.572	ppbv	86
14) Bromoethene	1.787	108	2444	0.578	ppbv #	90
15) Acetone	1.839	43	7931	0.576	ppbv #	88
16) 1,3-Butadiene	1.612	39	3962	0.607	ppbv	91
17) tert-Butyl alcohol	2.046	59	10213	0.543	ppbv #	88
18) 1,1-Dichloroethene	2.039	96	2636	0.531	ppbv	91
19) Isopropyl Alcohol	1.887	45	4932	0.578	ppbv #	43
20) Methylene Chloride	2.065	84	3750	0.693	ppbv #	75
21) Allyl Chloride	2.098	41	5575	0.551	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	3093	0.522	ppbv	98
23) Vinyl Acetate	2.467	43	10914	0.544	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	5942	0.519	ppbv	99
25) Ethyl Acetate	2.845	43	17918	0.527	ppbv #	96
26) Hexane	2.829	57	8908	0.569	ppbv	95
27) Carbon Disulfide	2.153	76	7230	0.504	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3770	0.529	ppbv #	47
29) Chloroform	2.852	83	12384	0.546	ppbv	100
30) Cyclohexane	3.862	84	7586m	0.556	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	7576	0.507	ppbv #	88
32) 1,1,1-Trichloroethane	3.373	97	12234	0.518	ppbv	97
34) 2-Butanone	2.564	43	12659	0.557	ppbv	99
35) Carbon Tetrachloride	3.768	117	11931	0.494	ppbv	87
36) Benzene	3.661	78	16376	0.517	ppbv	94
37) 1,2-Dichloroethane	3.224	62	9907	0.543	ppbv	99
38) Trichloroethene	4.554	130	6745	0.511	ppbv	95
39) 1,2-Dichloropropane	4.318	63	6032	0.521	ppbv #	80
40) 1,4-Dioxane	4.609	88	2794m	0.539	ppbv	
41) Tetrahydrofuran	3.065	42	7174m	0.565	ppbv	
42) Bromodichloromethane	4.496	83	13094	0.519	ppbv	96
43) Methyl Methacrylate	4.888	69	8412m	0.521	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	28494m	0.538	ppbv	
45) t-1,3-Dichloropropene	6.425	75	8030	0.498	ppbv	94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043108.D
Acq On : 14 Oct 2025 12:34
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	9973m	0.518	ppbv		
47) 1,1,2-Trichloroethane	6.587	97	6996	0.560	ppbv		92
48) Dibromochloromethane	7.393	129	10413	0.498	ppbv		96
49) Bromoform	9.487	173	8455	0.498	ppbv		96
50) 4-Methyl-2-Pentanone	5.771	43	16289m	0.520	ppbv		
51) 2-Hexanone	7.451	43	11485	0.491	ppbv	#	94
52) Tetrachloroethene	8.231	164	5863	0.513	ppbv	#	90
53) Toluene	6.936	91	20380	0.542	ppbv		99
54) 1,2-Dibromoethane	7.661	107	9586	0.486	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.930	131	10044	0.525	ppbv	#	1
57) Chlorobenzene	8.927	112	15318	0.540	ppbv		95
58) Ethyl Benzene	9.357	91	27330	0.521	ppbv		91
59) m/p-Xylene	9.539	91	44407m	1.068	ppbv		
60) o-Xylene	9.969	91	21745	0.530	ppbv		96
61) Styrene	9.878	104	9052	0.489	ppbv		96
62) Isopropylbenzene	10.542	105	38899	0.525	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	13653	0.497	ppbv		97
64) n-propylbenzene	10.992	120	10435	0.532	ppbv		99
65) tert-Butylbenzene	11.532	119	35537	0.543	ppbv		99
66) Benzyl Chloride	11.620	91	3477	0.476	ppbv	#	97
67) sec-Butylbenzene	11.769	105	50259	0.541	ppbv		100
69) p-Isopropyltoluene	11.927	119	41366	0.524	ppbv		99
70) n-Butylbenzene	12.283	91	39620	0.509	ppbv		98
71) 2-Chlorotoluene	10.901	91	29722	0.526	ppbv		98
72) 4-Ethyltoluene	11.128	105	26408	0.524	ppbv		98
73) 1,3,5-Trimethylbenzene	11.209	105	21754	0.523	ppbv		89
74) 1,2,4-Trimethylbenzene	11.539	105	25663	0.551	ppbv		93
75) 1,3-Dichlorobenzene	11.610	146	13697	0.507	ppbv		95
76) 1,4-Dichlorobenzene	11.675	146	14514	0.533	ppbv		99
77) 1,2-Dichlorobenzene	11.950	146	14324	0.548	ppbv		98
78) Hexachloro-1,3-Butadiene	13.885	225	11400	0.564	ppbv		98
79) Naphthalene	13.516	128	23247	0.483	ppbv	#	94
80) Naphthalene,2-methyl-	14.462	142	3874	0.305	ppbv	#	84
81) 1,2,4-Trichlorobenzene	13.442	180	8395	0.416	ppbv		98

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

Quantitation Report (QT Reviewed)

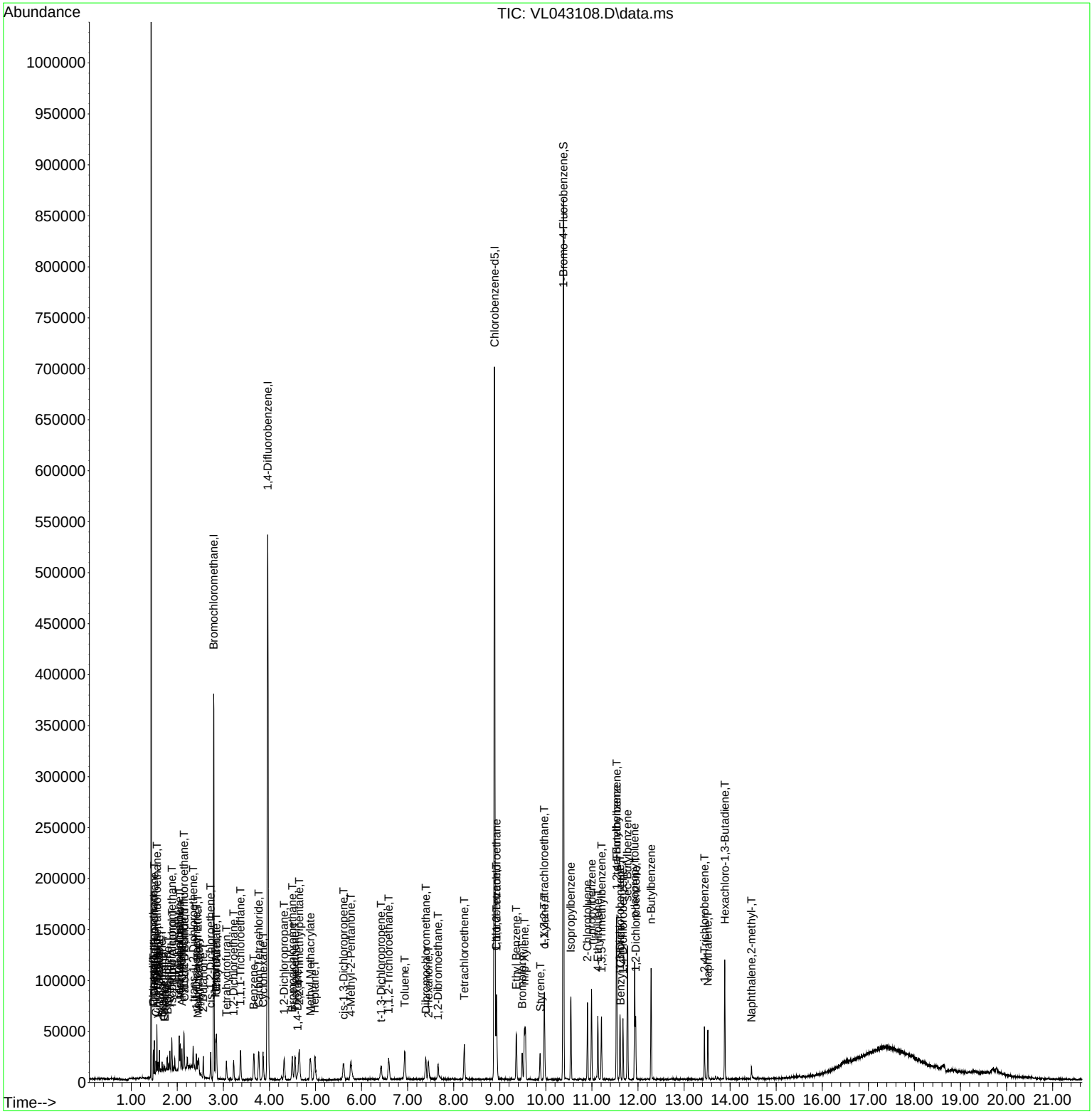
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043108.D
Acq On : 14 Oct 2025 12:34
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043109.D
Acq On : 14 Oct 2025 13:08
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	99997	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	332574	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	299676	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	233673	10.032	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.300%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	554	0.100	ppbv #	33
32) 1,1,1-Trichloroethane	3.373	97	2605m	0.112	ppbv	
35) Carbon Tetrachloride	3.761	117	2530m	0.106	ppbv	
38) Trichloroethene	4.561	130	1399m	0.107	ppbv	
52) Tetrachloroethene	8.231	164	1149m	0.102	ppbv	
54) 1,2-Dibromoethane	7.658	107	2201	0.113	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	3053	0.113	ppbv	90
79) Naphthalene	13.516	128	3792m	0.080	ppbv	

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

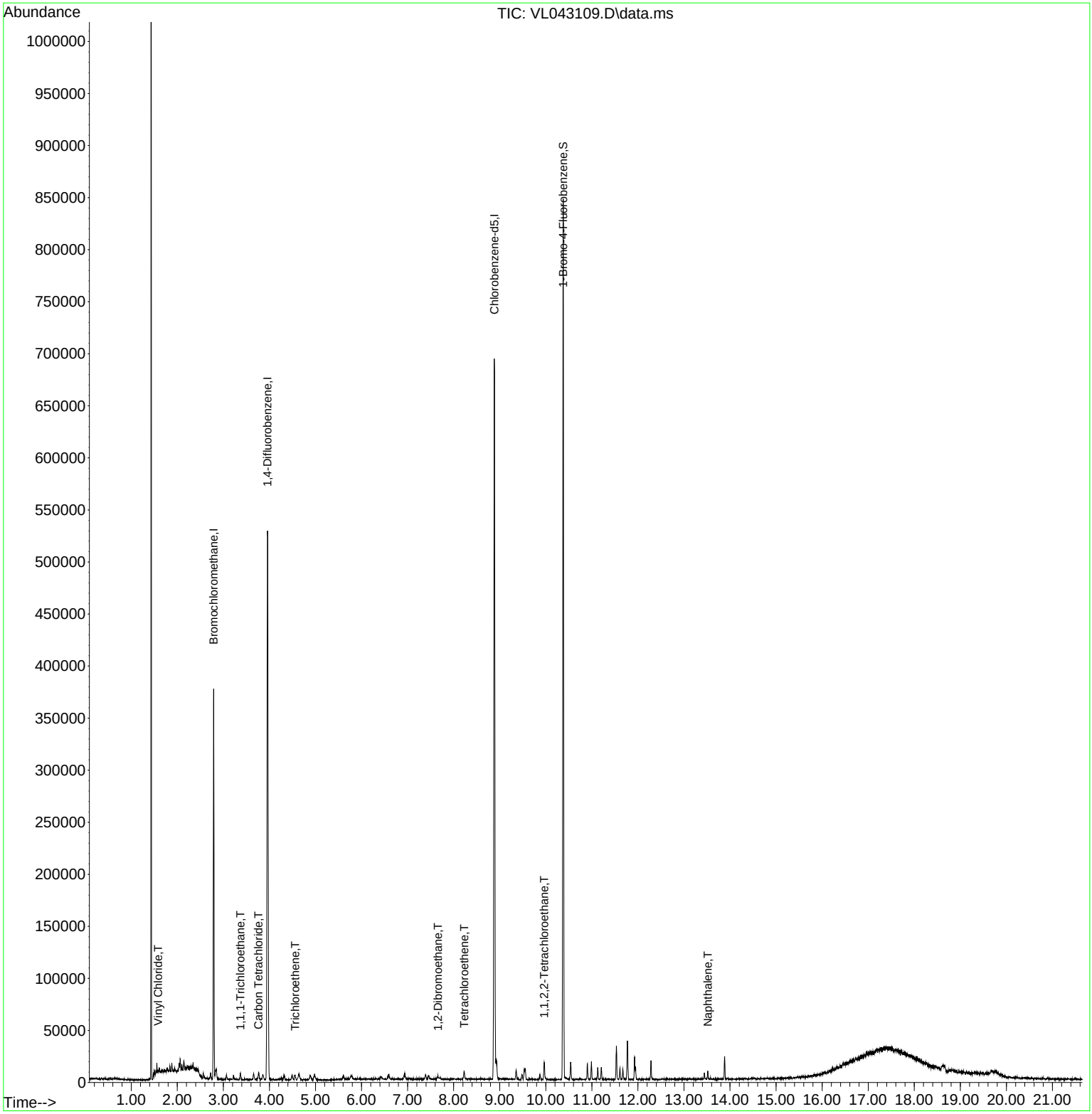
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043109.D
Acq On : 14 Oct 2025 13:08
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043110.D
Acq On : 14 Oct 2025 13:42
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	100058	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	328897	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	292884	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	224043	9.841	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.400%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	217	0.039	ppbv	# 78
32) 1,1,1-Trichloroethane	3.376	97	650m	0.028	ppbv	
35) Carbon Tetrachloride	3.761	117	742m	0.031	ppbv	
38) Trichloroethene	4.551	130	454m	0.035	ppbv	
52) Tetrachloroethene	8.218	164	349m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.969	83	904m	0.034	ppbv	

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

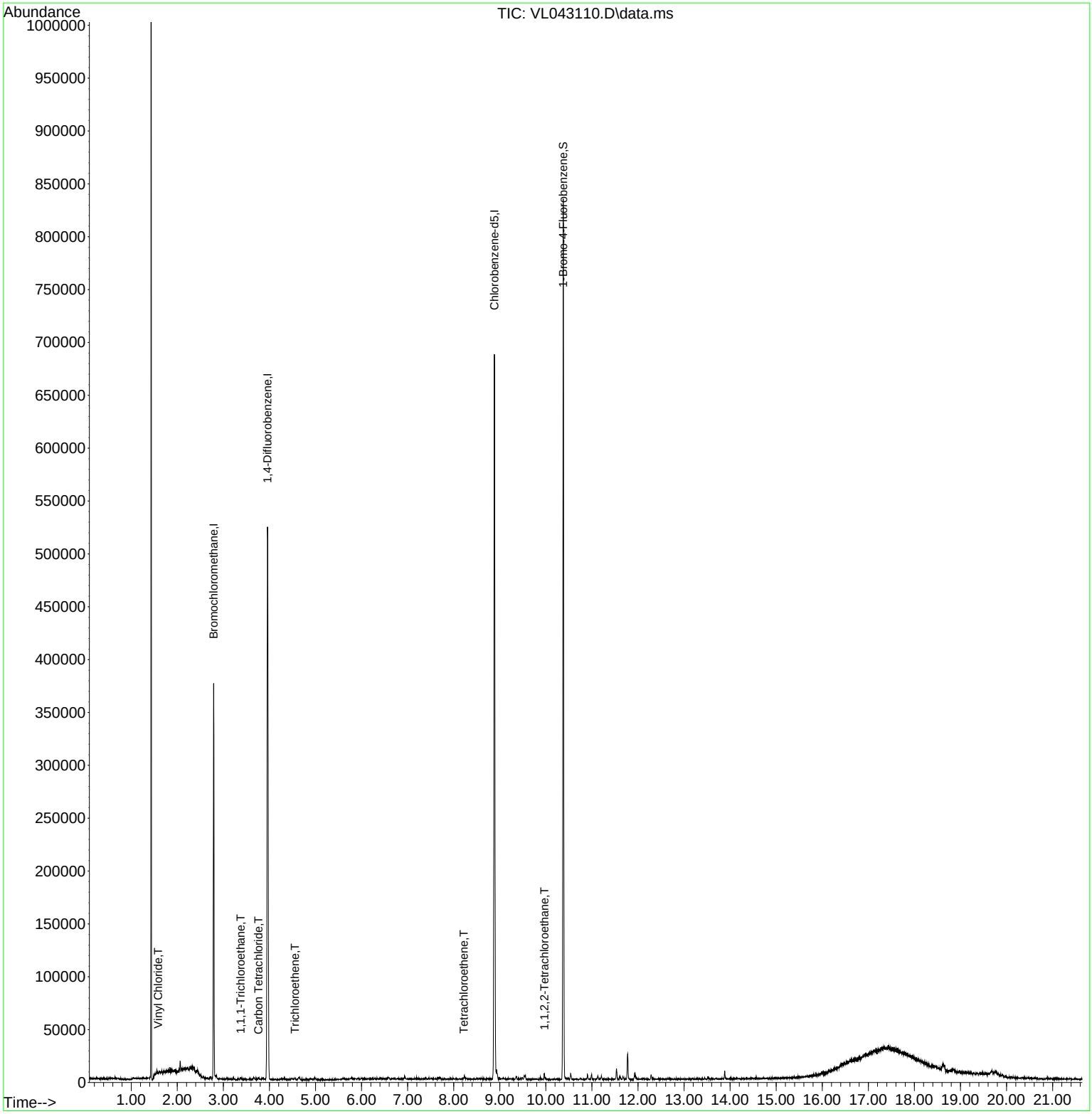
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043110.D
Acq On : 14 Oct 2025 13:42
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043111.D
Acq On : 14 Oct 2025 14:18
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	100858	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	321665	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	292542	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	233522	10.270	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	193353	13.485	ppbv	98
3) Chlorodifluoromethane	1.476	51	205650	13.255	ppbv	98
4) Chloromethane	1.534	50	72111	12.695	ppbv	98
5) Vinyl Chloride	1.583	62	69909	12.548	ppbv	99
6) Bromomethane	1.670	94	39756	13.013	ppbv	98
7) Chloroethane	1.706	64	27709	12.164	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	156753	13.526	ppbv	100
9) Propene	1.486	41	88451	12.854	ppbv	98
10) Heptane	4.985	43	249682	12.658	ppbv	99
11) Trichlorofluoromethane	1.881	101	191307	13.640	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	150640	13.341	ppbv	98
13) Ethanol	1.722	45	25828	10.148	ppbv	98
14) Bromoethene	1.784	108	54818	13.068	ppbv	99
15) Acetone	1.835	43	160069	11.710	ppbv	100
16) 1,3-Butadiene	1.612	39	80403	12.411	ppbv	98
17) tert-Butyl alcohol	2.039	59	237633	12.735	ppbv	99
18) 1,1-Dichloroethene	2.036	96	65634	13.333	ppbv	98
19) Isopropyl Alcohol	1.887	45	102035	12.051	ppbv	98
20) Methylene Chloride	2.065	84	60549	11.268	ppbv	90
21) Allyl Chloride	2.097	41	131539	13.105	ppbv	95
22) trans-1,2-Dichloroethene	2.343	96	76780	13.048	ppbv	97
23) Vinyl Acetate	2.463	43	288274	14.476	ppbv	98
24) 1,1-Dichloroethane	2.411	63	152663	13.428	ppbv	99
25) Ethyl Acetate	2.835	43	434350	12.884	ppbv	100
26) Hexane	2.829	57	199384	12.836	ppbv	98
27) Carbon Disulfide	2.152	76	192452	13.522	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	96464	13.650	ppbv	94
29) Chloroform	2.852	83	302154	13.425	ppbv	98
30) Cyclohexane	3.858	84	177947	13.133	ppbv	95
31) cis-1,2-Dichloroethene	2.722	61	203888	13.745	ppbv	97
32) 1,1,1-Trichloroethane	3.373	97	316442	13.500	ppbv	99
34) 2-Butanone	2.557	43	283134	13.020	ppbv	99
35) Carbon Tetrachloride	3.764	117	325078	14.056	ppbv	98
36) Benzene	3.661	78	415823	13.725	ppbv	99
37) 1,2-Dichloroethane	3.221	62	241983	13.865	ppbv	98
38) Trichloroethene	4.551	130	159136	12.590	ppbv	97
39) 1,2-Dichloropropane	4.318	63	147155	13.274	ppbv	95
40) 1,4-Dioxane	4.580	88	65323	13.180	ppbv #	94
41) Tetrahydrofuran	3.052	42	160247	13.200	ppbv	99
42) Bromodichloromethane	4.493	83	343817	14.234	ppbv	99
43) Methyl Methacrylate	4.881	69	210756	13.633	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	675770	13.340	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	218386	14.142	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043111.D
Acq On : 14 Oct 2025 14:18
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.606	75	258355	14.018	ppbv		98
47)	1,1,2-Trichloroethane	6.583	97	163113	13.638	ppbv		94
48)	Dibromochloromethane	7.393	129	280993	14.051	ppbv		100
49)	Bromoform	9.487	173	230561	14.184	ppbv		100
50)	4-Methyl-2-Pentanone	5.748	43	401849	13.396	ppbv		100
51)	2-Hexanone	7.435	43	317288	14.176	ppbv	#	99
52)	Tetrachloroethene	8.231	164	143954	13.177	ppbv		98
53)	Toluene	6.936	91	483870	13.457	ppbv		100
54)	1,2-Dibromoethane	7.655	107	254024	13.461	ppbv		98
56)	1,1,1,2-Tetrachloroethane	8.927	131	250303	13.573	ppbv		99
57)	Chlorobenzene	8.927	112	355301	12.983	ppbv		98
58)	Ethyl Benzene	9.357	91	676918	13.375	ppbv		97
59)	m/p-Xylene	9.555	91	1061952m	26.498	ppbv		
60)	o-Xylene	9.966	91	516660	13.063	ppbv		99
61)	Styrene	9.875	104	247585	13.867	ppbv		99
62)	Isopropylbenzene	10.542	105	931508	13.034	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.966	83	331423	12.515	ppbv		100
64)	n-propylbenzene	10.992	120	241719	12.775	ppbv		96
65)	tert-Butylbenzene	11.532	119	788234	12.490	ppbv		97
66)	Benzyl Chloride	11.620	91	97114	13.778	ppbv		99
67)	sec-Butylbenzene	11.769	105	1125489	12.566	ppbv		99
69)	p-Isopropyltoluene	11.930	119	959206	12.602	ppbv		99
70)	n-Butylbenzene	12.283	91	973466	12.979	ppbv		100
71)	2-Chlorotoluene	10.904	91	721827	13.242	ppbv		98
72)	4-Ethyltoluene	11.128	105	647315	13.310	ppbv		99
73)	1,3,5-Trimethylbenzene	11.205	105	534006	13.314	ppbv		98
74)	1,2,4-Trimethylbenzene	11.542	105	560932	12.498	ppbv	#	86
75)	1,3-Dichlorobenzene	11.610	146	339203	13.031	ppbv		99
76)	1,4-Dichlorobenzene	11.675	146	341936	13.027	ppbv		99
77)	1,2-Dichlorobenzene	11.950	146	318800	12.660	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.882	225	226294	11.606	ppbv		99
79)	Naphthalene	13.516	128	661098	14.260	ppbv		99
80)	Naphthalene,2-methyl-	14.458	142	212784	17.384	ppbv		98
81)	1,2,4-Trichlorobenzene	13.442	180	266712	13.698	ppbv		100

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

Quantitation Report (QT Reviewed)

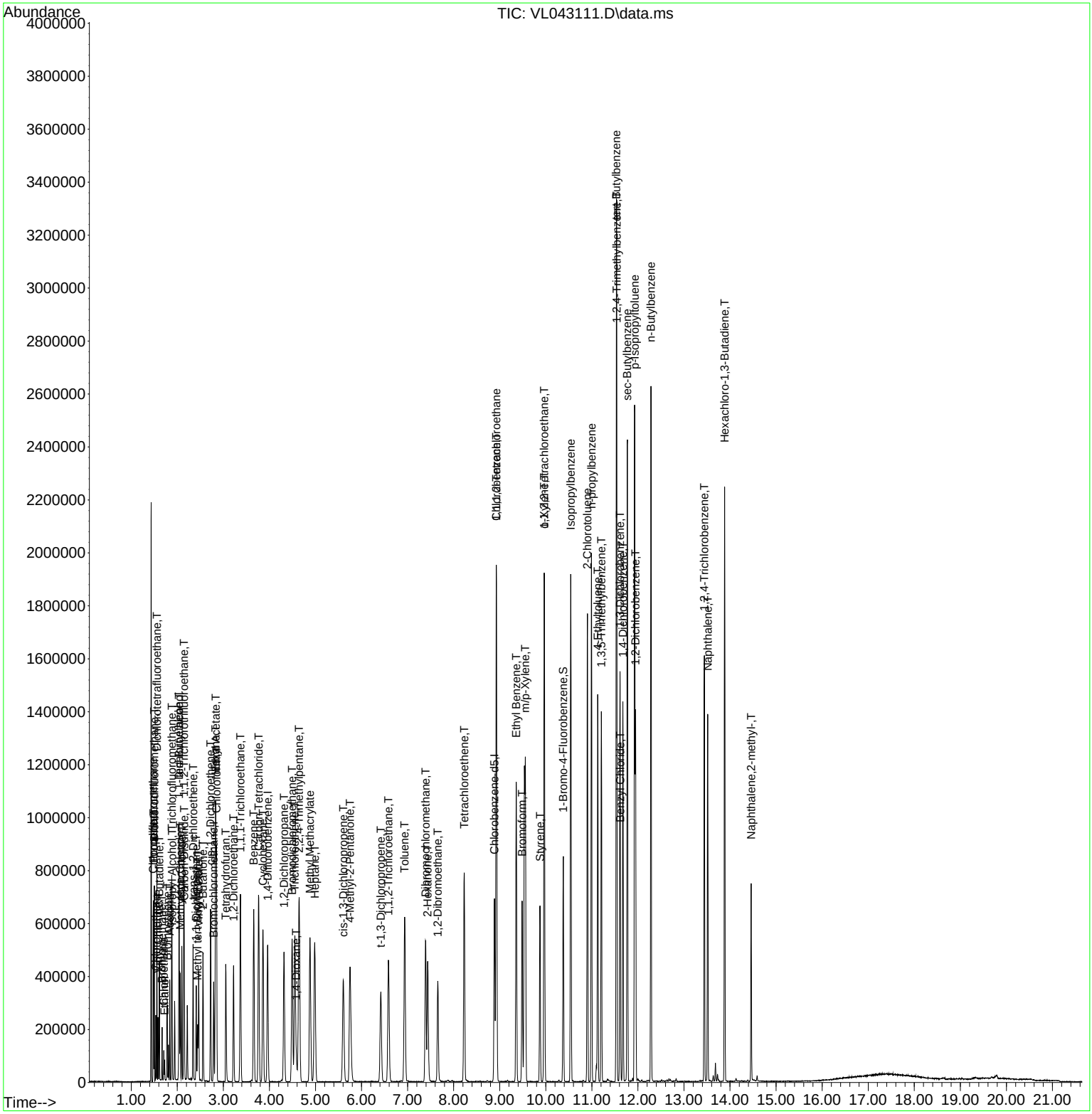
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043111.D
Acq On : 14 Oct 2025 14:18
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	97563	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	325610	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	291676	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	229010	10.101	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	130726	9.425	ppbv	98
3) Chlorodifluoromethane	1.479	51	138956	9.260	ppbv	99
4) Chloromethane	1.538	50	48722	8.867	ppbv	96
5) Vinyl Chloride	1.583	62	47005	8.722	ppbv	97
6) Bromomethane	1.670	94	26304	8.901	ppbv	98
7) Chloroethane	1.709	64	19138	8.685	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	107147	9.558	ppbv	99
9) Propene	1.486	41	59287	8.908	ppbv	98
10) Heptane	4.991	43	165341	8.629	ppbv	99
11) Trichlorofluoromethane	1.881	101	132447	9.762	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	102449	9.380	ppbv	98
13) Ethanol	1.725	45	17659m	7.173	ppbv	
14) Bromoethene	1.787	108	37835	9.324	ppbv	100
15) Acetone	1.839	43	108010	8.214	ppbv	99
16) 1,3-Butadiene	1.612	39	55493	8.855	ppbv	98
17) tert-Butyl alcohol	2.043	59	162672	9.012	ppbv	97
18) 1,1-Dichloroethene	2.039	96	46544	9.774	ppbv	93
19) Isopropyl Alcohol	1.887	45	67552	8.248	ppbv	97
20) Methylene Chloride	2.065	84	40319	7.757	ppbv	89
21) Allyl Chloride	2.101	41	88965	9.181	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	51295	9.011	ppbv	93
23) Vinyl Acetate	2.467	43	185329	9.621	ppbv	98
24) 1,1-Dichloroethane	2.415	63	102877	9.355	ppbv	98
25) Ethyl Acetate	2.839	43	292399	8.966	ppbv	100
26) Hexane	2.832	57	135463	9.015	ppbv	97
27) Carbon Disulfide	2.156	76	131064	9.520	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	67260	9.839	ppbv	97
29) Chloroform	2.852	83	204925	9.412	ppbv	95
30) Cyclohexane	3.865	84	119287	9.096	ppbv	96
31) cis-1,2-Dichloroethene	2.725	61	137462	9.580	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	219167	9.666	ppbv	98
34) 2-Butanone	2.560	43	188755	8.624	ppbv	99
35) Carbon Tetrachloride	3.771	117	217678	9.298	ppbv	96
36) Benzene	3.664	78	278365	9.077	ppbv	97
37) 1,2-Dichloroethane	3.224	62	161750	9.156	ppbv	98
38) Trichloroethene	4.557	130	108261	8.453	ppbv	96
39) 1,2-Dichloropropane	4.321	63	100580	8.971	ppbv	96
40) 1,4-Dioxane	4.587	88	41464	8.265	ppbv #	95
41) Tetrahydrofuran	3.056	42	104701	8.553	ppbv	99
42) Bromodichloromethane	4.496	83	228288	9.336	ppbv	96
43) Methyl Methacrylate	4.884	69	138593	8.898	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	452117	8.738	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	142964	9.146	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	170038	9.106	ppbv		95
47) 1,1,2-Trichloroethane	6.590	97	108965	9.000	ppbv		96
48) Dibromochloromethane	7.396	129	184757	9.127	ppbv		100
49) Bromoform	9.490	173	147759	8.980	ppbv		100
50) 4-Methyl-2-Pentanone	5.752	43	263070	8.709	ppbv		100
51) 2-Hexanone	7.441	43	203876	8.999	ppbv	#	99
52) Tetrachloroethene	8.231	164	96000	8.681	ppbv		97
53) Toluene	6.943	91	324944	8.928	ppbv		100
54) 1,2-Dibromoethane	7.661	107	167936	8.856	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.933	131	166059	9.031	ppbv		98
57) Chlorobenzene	8.930	112	239309	8.770	ppbv		99
58) Ethyl Benzene	9.361	91	450029	8.990	ppbv		99
59) m/p-Xylene	9.558	91	715191m	17.913	ppbv		
60) o-Xylene	9.969	91	348346	8.834	ppbv		100
61) Styrene	9.878	104	161979	9.099	ppbv		98
62) Isopropylbenzene	10.545	105	621758	8.726	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	215911	8.177	ppbv		100
64) n-propylbenzene	10.995	120	160411	8.503	ppbv		94
65) tert-Butylbenzene	11.536	119	532570	8.464	ppbv		98
66) Benzyl Chloride	11.620	91	58169	8.306	ppbv		98
67) sec-Butylbenzene	11.772	105	762711	8.541	ppbv		98
69) p-Isopropyltoluene	11.930	119	638261	8.411	ppbv		99
70) n-Butylbenzene	12.286	91	641547	8.579	ppbv		99
71) 2-Chlorotoluene	10.904	91	479799	8.828	ppbv		99
72) 4-Ethyltoluene	11.128	105	427034	8.807	ppbv		99
73) 1,3,5-Trimethylbenzene	11.209	105	354875	8.874	ppbv		95
74) 1,2,4-Trimethylbenzene	11.542	105	372506	8.324	ppbv		92
75) 1,3-Dichlorobenzene	11.610	146	219423	8.454	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	221364	8.458	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	204178	8.132	ppbv		98
78) Hexachloro-1,3-Butadiene	13.885	225	144646	7.440	ppbv		99
79) Naphthalene	13.516	128	389814	8.334	ppbv		99
80) Naphthalene,2-methyl-	14.458	142	123632	10.146	ppbv		97
81) 1,2,4-Trichlorobenzene	13.445	180	162553	8.373	ppbv		98

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

Quantitation Report (QT Reviewed)

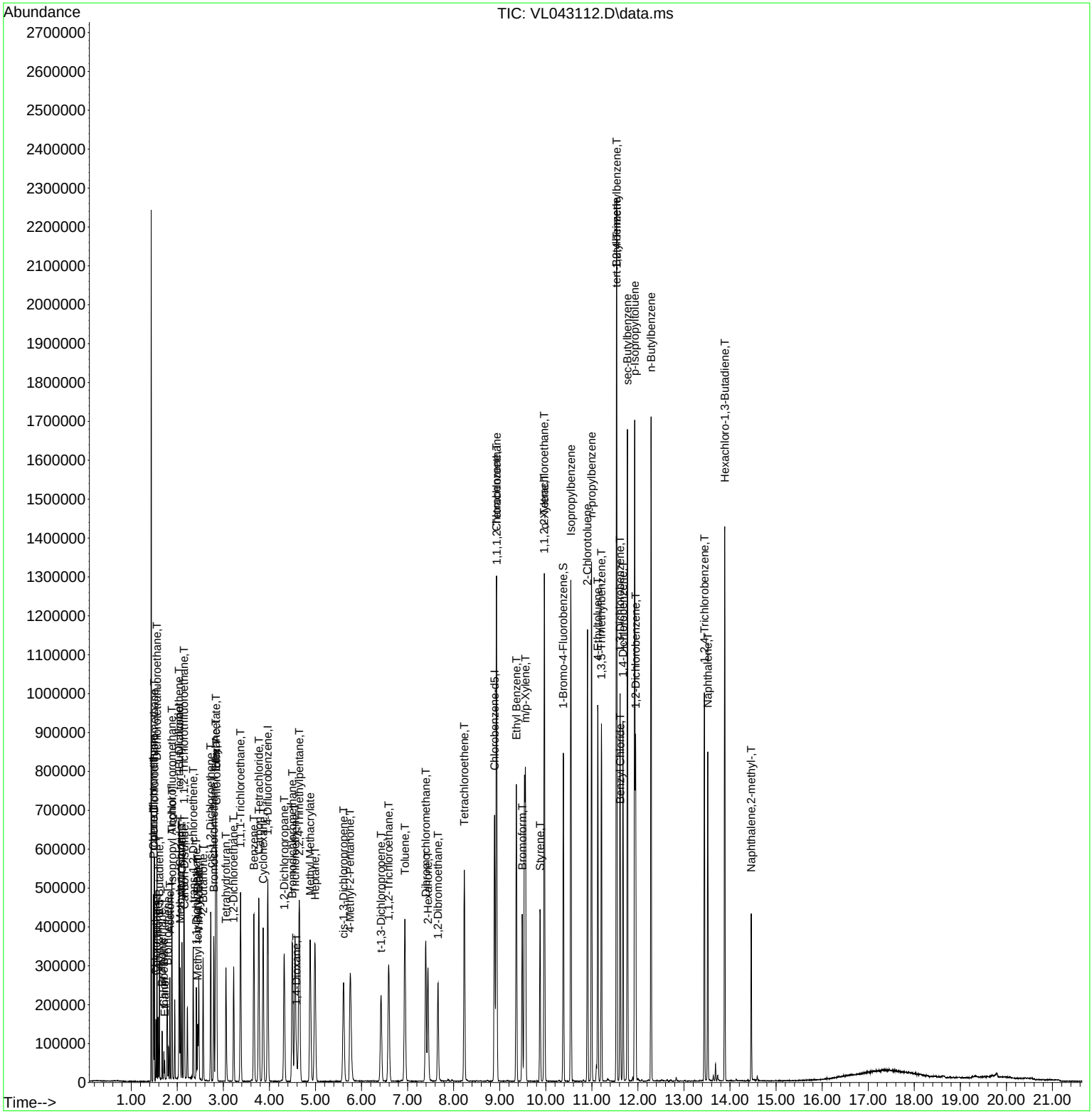
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 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	94	0.00
2	T	Dichlorodifluoromethane	1.422	1.340	5.8	98	0.00
3		Chlorodifluoromethane	1.538	1.424	7.4	92	0.00
4		Chloromethane	0.563	0.499	11.4	94	0.00
5	T	Vinyl Chloride	0.552	0.482	12.7	94	0.00
6	T	Bromomethane	0.303	0.270	10.9	97	0.00
7		Chloroethane	0.226	0.196	13.3	96	0.00
8	T	Dichlorotetrafluoroethane	1.149	1.098	4.4	99	0.00
9	T	Propene	0.682	0.608	10.9	87	0.00
10	T	Heptane	1.964	1.695	13.7	88	0.00
11	T	Trichlorofluoromethane	1.391	1.358	2.4	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.120	1.050	6.3	101	0.00
13		Ethanol	0.252	0.181	28.2	88	0.00
14	T	Bromoethene	0.416	0.388	6.7	98	0.00
15	T	Acetone	1.348	1.107	17.9	95	0.00
16	T	1,3-Butadiene	0.642	0.569	11.4	97	0.00
17		tert-Butyl alcohol	1.850	1.667	9.9	93	0.00
18	T	1,1-Dichloroethene	0.488	0.477	2.3	102	0.00
19	T	Isopropyl Alcohol	0.839	0.692	17.5	90	0.00
20	T	Methylene Chloride	0.533	0.413	22.5	96	0.00
21	T	Allyl Chloride	0.993	0.912	8.2	94	0.00
22	T	trans-1,2-Dichloroethene	0.583	0.526	9.8	97	0.00
23	T	Vinyl Acetate	1.974	1.900	3.7	110	0.00
24	T	1,1-Dichloroethane	1.127	1.054	6.5	96	0.00
25	T	Ethyl Acetate	3.342	2.997	10.3	90	0.00
26	T	Hexane	1.540	1.388	9.9	93	0.00
27	T	Carbon Disulfide	1.411	1.343	4.8	96	0.00
28	T	Methyl tert-Butyl Ether	0.701	0.689	1.7	110	0.00
29	T	Chloroform	2.232	2.100	5.9	97	0.00
30	T	Cyclohexane	1.344	1.223	9.0	95	0.00
31	T	cis-1,2-Dichloroethene	1.471	1.409	4.2	94	0.00
32	T	1,1,1-Trichloroethane	2.324	2.246	3.4	99	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
34	T	2-Butanone	0.672	0.580	13.7	91	0.00
35	T	Carbon Tetrachloride	0.719	0.669	7.0	98	0.00
36	T	Benzene	0.942	0.855	9.2	94	0.00
37	T	1,2-Dichloroethane	0.543	0.497	8.5	97	0.00
38	T	Trichloroethene	0.393	0.332	15.5	93	0.00
39	T	1,2-Dichloropropane	0.344	0.309	10.2	93	0.00
40	T	1,4-Dioxane	0.154	0.127	17.5	86	0.00
41	T	Tetrahydrofuran	0.376	0.322	14.4	89	0.00
42	T	Bromodichloromethane	0.751	0.701	6.7	96	0.00
43		Methyl Methacrylate	0.478	0.426	10.9	90	0.00
44	T	2,2,4-Trimethylpentane	1.589	1.389	12.6	91	0.00
45	T	t-1,3-Dichloropropene	0.480	0.439	8.5	91	0.00
46	T	cis-1,3-Dichloropropene	0.573	0.522	8.9	91	0.00
47	T	1,1,2-Trichloroethane	0.372	0.335	9.9	94	0.00
48	T	Dibromochloromethane	0.622	0.567	8.8	92	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 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	0.505	0.454	10.1	89	0.00
50	T	4-Methyl-2-Pentanone	0.928	0.808	12.9	88	0.00
51	T	2-Hexanone	0.696	0.626	10.1	86	0.00
52	T	Tetrachloroethene	0.340	0.295	13.2	90	0.00
53	T	Toluene	1.118	0.998	10.7	92	0.00
54	T	1,2-Dibromoethane	0.582	0.516	11.3	92	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
56		1,1,1,2-Tetrachloroethane	0.630	0.569	9.7	91	0.00
57	T	Chlorobenzene	0.936	0.820	12.4	91	0.00
58	T	Ethyl Benzene	1.716	1.543	10.1	91	0.00
59	T	m/p-Xylene	1.369	1.226	10.4	93	0.02
60	T	o-Xylene	1.352	1.194	11.7	92	0.00
61	T	Styrene	0.610	0.555	9.0	91	0.00
62		Isopropylbenzene	2.443	2.132	12.7	90	0.00
63	T	1,1,2,2-Tetrachloroethane	0.905	0.740	18.2	90	0.00
64		n-propylbenzene	0.647	0.550	15.0	88	0.00
65		tert-Butylbenzene	2.157	1.826	15.3	91	0.00
66	T	Benzyl Chloride	0.240	0.199	17.1	78	0.00
67		sec-Butylbenzene	3.062	2.615	14.6	91	0.00
68	S	1-Bromo-4-Fluorobenzene	0.777	0.785	-1.0	95	0.00
69		p-Isopropyltoluene	2.602	2.188	15.9	89	0.00
70		n-Butylbenzene	2.564	2.200	14.2	89	0.00
71		2-Chlorotoluene	1.863	1.645	11.7	91	0.00
72	T	4-Ethyltoluene	1.662	1.464	11.9	90	0.00
73	T	1,3,5-Trimethylbenzene	1.371	1.217	11.2	91	0.00
74	T	1,2,4-Trimethylbenzene	1.534	1.277	16.8	90	0.00
75	T	1,3-Dichlorobenzene	0.890	0.752	15.5	87	0.00
76	T	1,4-Dichlorobenzene	0.897	0.759	15.4	87	0.00
77	T	1,2-Dichlorobenzene	0.861	0.700	18.7	86	0.00
78	T	Hexachloro-1,3-Butadiene	0.667	0.496	25.6	84	0.00
79	T	Naphthalene	1.604	1.336	16.7	80	0.00
80	T	Naphthalene,2-methyl-	0.418	0.424	-1.4	84	0.00
81	T	1,2,4-Trichlorobenzene	0.666	0.557	16.4	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 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	94	0.00
2	T	Dichlorodifluoromethane	10.000	9.425	5.7	98	0.00
3		Chlorodifluoromethane	10.000	9.260	7.4	92	0.00
4		Chloromethane	10.000	8.867	11.3	94	0.00
5	T	Vinyl Chloride	10.000	8.722	12.8	94	0.00
6	T	Bromomethane	10.000	8.901	11.0	97	0.00
7		Chloroethane	10.000	8.685	13.1	96	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.558	4.4	99	0.00
9	T	Propene	10.000	8.908	10.9	87	0.00
10	T	Heptane	10.000	8.629	13.7	88	0.00
11	T	Trichlorofluoromethane	10.000	9.762	2.4	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.380	6.2	101	0.00
13		Ethanol	10.000	7.173	28.3	88	0.00
14	T	Bromoethene	10.000	9.324	6.8	98	0.00
15	T	Acetone	10.000	8.214	17.9	95	0.00
16	T	1,3-Butadiene	10.000	8.855	11.4	97	0.00
17		tert-Butyl alcohol	10.000	9.012	9.9	93	0.00
18	T	1,1-Dichloroethene	10.000	9.774	2.3	102	0.00
19	T	Isopropyl Alcohol	10.000	8.248	17.5	90	0.00
20	T	Methylene Chloride	10.000	7.757	22.4	96	0.00
21	T	Allyl Chloride	10.000	9.181	8.2	94	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.011	9.9	97	0.00
23	T	Vinyl Acetate	10.000	9.621	3.8	110	0.00
24	T	1,1-Dichloroethane	10.000	9.355	6.4	96	0.00
25	T	Ethyl Acetate	10.000	8.966	10.3	90	0.00
26	T	Hexane	10.000	9.015	9.8	93	0.00
27	T	Carbon Disulfide	10.000	9.520	4.8	96	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.839	1.6	110	0.00
29	T	Chloroform	10.000	9.412	5.9	97	0.00
30	T	Cyclohexane	10.000	9.096	9.0	95	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.580	4.2	94	0.00
32	T	1,1,1-Trichloroethane	10.000	9.666	3.3	99	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	95	0.00
34	T	2-Butanone	10.000	8.624	13.8	91	0.00
35	T	Carbon Tetrachloride	10.000	9.298	7.0	98	0.00
36	T	Benzene	10.000	9.077	9.2	94	0.00
37	T	1,2-Dichloroethane	10.000	9.156	8.4	97	0.00
38	T	Trichloroethene	10.000	8.453	15.5	93	0.00
39	T	1,2-Dichloropropane	10.000	8.971	10.3	93	0.00
40	T	1,4-Dioxane	10.000	8.265	17.3	86	0.00
41	T	Tetrahydrofuran	10.000	8.553	14.5	89	0.00
42	T	Bromodichloromethane	10.000	9.336	6.6	96	0.00
43		Methyl Methacrylate	10.000	8.898	11.0	90	0.00
44	T	2,2,4-Trimethylpentane	10.000	8.738	12.6	91	0.00
45	T	t-1,3-Dichloropropene	10.000	9.146	8.5	91	0.00
46	T	cis-1,3-Dichloropropene	10.000	9.106	8.9	91	0.00
47	T	1,1,2-Trichloroethane	10.000	9.000	10.0	94	0.00
48	T	Dibromochloromethane	10.000	9.127	8.7	92	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043112.D
Acq On : 14 Oct 2025 14:51
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 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	8.980	10.2	89	0.00
50	T	4-Methyl-2-Pentanone	10.000	8.709	12.9	88	0.00
51	T	2-Hexanone	10.000	8.999	10.0	86	0.00
52	T	Tetrachloroethene	10.000	8.681	13.2	90	0.00
53	T	Toluene	10.000	8.928	10.7	92	0.00
54	T	1,2-Dibromoethane	10.000	8.856	11.4	92	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	94	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.031	9.7	91	0.00
57	T	Chlorobenzene	10.000	8.770	12.3	91	0.00
58	T	Ethyl Benzene	10.000	8.990	10.1	91	0.00
59	T	m/p-Xylene	20.000	17.913	10.4	93	0.02
60	T	o-Xylene	10.000	8.834	11.7	92	0.00
61	T	Styrene	10.000	9.099	9.0	91	0.00
62		Isopropylbenzene	10.000	8.726	12.7	90	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	8.177	18.2	90	0.00
64		n-propylbenzene	10.000	8.503	15.0	88	0.00
65		tert-Butylbenzene	10.000	8.464	15.4	91	0.00
66	T	Benzyl Chloride	10.000	8.306	16.9	78	0.00
67		sec-Butylbenzene	10.000	8.541	14.6	91	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.101	-1.0	95	0.00
69		p-Isopropyltoluene	10.000	8.411	15.9	89	0.00
70		n-Butylbenzene	10.000	8.579	14.2	89	0.00
71		2-Chlorotoluene	10.000	8.828	11.7	91	0.00
72	T	4-Ethyltoluene	10.000	8.807	11.9	90	0.00
73	T	1,3,5-Trimethylbenzene	10.000	8.874	11.3	91	0.00
74	T	1,2,4-Trimethylbenzene	10.000	8.324	16.8	90	0.00
75	T	1,3-Dichlorobenzene	10.000	8.454	15.5	87	0.00
76	T	1,4-Dichlorobenzene	10.000	8.458	15.4	87	0.00
77	T	1,2-Dichlorobenzene	10.000	8.132	18.7	86	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	7.440	25.6	84	0.00
79	T	Naphthalene	10.000	8.334	16.7	80	0.00
80	T	Naphthalene,2-methyl-	10.000	10.146	-1.5	84	0.00
81	T	1,2,4-Trichlorobenzene	10.000	8.373	16.3	82	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GFEL01
Lab Code: ACE
SDG No.: Q3594
Instrument ID: MSVOA_L
Calibration Date/Time: 11/11/2025 08:15
Lab File ID: VL043180.D
Init. Calib. Date(s): 10/14/2025 10/14/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 10:31 14:18
GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Vinyl Chloride	0.552	0.463		-16.12	30
Heptane	1.964	1.850		-5.8	30
1,1-Dichloroethane	1.127	1.083		-3.9	30
Cyclohexane	1.344	1.209		-10.05	30
cis-1,2-Dichloroethene	1.471	1.466		-0.34	30
1,1,1-Trichloroethane	2.324	2.235		-3.83	30
2,2,4-Trimethylpentane	1.589	1.766		11.14	30
Benzene	0.942	1.033		9.66	30
Trichloroethene	0.393	0.390		-0.76	30
Toluene	1.118	1.136		1.61	30
Tetrachloroethene	0.340	0.349		2.65	30
Ethyl Benzene	1.716	1.841		7.28	30
m/p-Xylene	1.369	1.505		9.93	30
o-Xylene	1.352	1.482		9.61	30
1,3,5-Trimethylbenzene	1.371	1.514		10.43	30
1,2,4-Trimethylbenzene	1.534	1.653		7.76	30
Naphthalene	1.604	1.639		2.18	30
1-Bromo-4-Fluorobenzene	0.777	0.799		2.83	30
Hexane	1.540	1.502		-2.47	30

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043180.D
Acq On : 11 Nov 2025 08:15
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 12 00:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	132532	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	370924	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.898	117	319069	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	254836	10.275	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	183723	9.751	ppbv	98
3) Chlorodifluoromethane	1.483	51	202454	9.931	ppbv	100
4) Chloromethane	1.541	50	62541	8.379	ppbv	98
5) Vinyl Chloride	1.586	62	61391	8.386	ppbv	97
6) Bromomethane	1.677	94	38477	9.584	ppbv	100
7) Chloroethane	1.712	64	25756	8.605	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	147205	9.667	ppbv	91
9) Propene	1.489	41	79706	8.816	ppbv	99
10) Heptane	5.007	43	245150	9.418	ppbv	98
11) Trichlorofluoromethane	1.887	101	198142	10.751	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	152666	10.289	ppbv	97
13) Ethanol	1.729	45	22752	6.803	ppbv	97
14) Bromoethene	1.790	108	54128	9.820	ppbv	97
15) Acetone	1.842	43	152492	8.537	ppbv	100
16) 1,3-Butadiene	1.615	39	68719	8.072	ppbv	97
17) tert-Butyl alcohol	2.049	59	210931	8.602	ppbv	96
18) 1,1-Dichloroethene	2.046	96	65440	10.117	ppbv	91
19) Isopropyl Alcohol	1.894	45	89581	8.052	ppbv	91
20) Methylene Chloride	2.072	84	58402	8.271	ppbv	96
21) Allyl Chloride	2.107	41	114525	8.700	ppbv	95
22) trans-1,2-Dichloroethene	2.353	96	77870	10.071	ppbv	89
23) Vinyl Acetate	2.473	43	309477	11.827	ppbv #	97
24) 1,1-Dichloroethane	2.421	63	143474	9.604	ppbv	99
25) Ethyl Acetate	2.845	43	440087	9.935	ppbv	99
26) Hexane	2.842	57	199063	9.752	ppbv	99
27) Carbon Disulfide	2.162	76	186799	9.988	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	90840	9.782	ppbv	93
29) Chloroform	2.861	83	301692	10.201	ppbv	100
30) Cyclohexane	3.878	84	160214	8.993	ppbv	99
31) cis-1,2-Dichloroethene	2.735	61	194237	9.965	ppbv	99
32) 1,1,1-Trichloroethane	3.386	97	296240	9.618	ppbv	100
34) 2-Butanone	2.567	43	296563	11.894	ppbv	98
35) Carbon Tetrachloride	3.781	117	301277	11.297	ppbv	96
36) Benzene	3.677	78	383103	10.966	ppbv	98
37) 1,2-Dichloroethane	3.234	62	232445	11.550	ppbv	99
38) Trichloroethene	4.574	130	144831	9.926	ppbv	97
39) 1,2-Dichloropropane	4.337	63	140510	11.001	ppbv	96
40) 1,4-Dioxane	4.603	88	57730	10.101	ppbv #	96
41) Tetrahydrofuran	3.065	42	150298	10.778	ppbv	97
42) Bromodichloromethane	4.512	83	318665	11.440	ppbv	97
43) Methyl Methacrylate	4.904	69	182621	10.292	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	655191	11.116	ppbv	99
45) t-1,3-Dichloropropene	6.441	75	179639	10.088	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043180.D
Acq On : 11 Nov 2025 08:15
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 12 00:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.629	75	215528	10.132	ppbv		98
47)	1,1,2-Trichloroethane	6.606	97	152159	11.032	ppbv		97
48)	Dibromochloromethane	7.409	129	251658	10.913	ppbv		98
49)	Bromoform	9.500	173	214367	11.436	ppbv		99
50)	4-Methyl-2-Pentanone	5.778	43	366191m	10.642	ppbv		
51)	2-Hexanone	7.454	43	278490	10.790	ppbv	#	97
52)	Tetrachloroethene	8.244	164	129615	10.288	ppbv		95
53)	Toluene	6.956	91	421396	10.163	ppbv		98
54)	1,2-Dibromoethane	7.671	107	226943	10.505	ppbv		99
56)	1,1,1,2-Tetrachloroethane	8.940	131	231293	11.499	ppbv		97
57)	Chlorobenzene	8.940	112	326657	10.944	ppbv		99
58)	Ethyl Benzene	9.370	91	587375	10.726	ppbv		98
59)	m/p-Xylene	9.564	91	960668m	21.995	ppbv		
60)	o-Xylene	9.979	91	472838	10.961	ppbv		99
61)	Styrene	9.885	104	194324	9.979	ppbv		99
62)	Isopropylbenzene	10.555	105	856402	10.987	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.979	83	320460	11.095	ppbv		99
64)	n-propylbenzene	11.002	120	223050	10.808	ppbv		94
65)	tert-Butylbenzene	11.545	119	725442	10.539	ppbv		99
66)	Benzyl Chloride	11.626	91	67343	8.790	ppbv		100
67)	sec-Butylbenzene	11.782	105	1058230	10.832	ppbv		99
69)	p-Isopropyltoluene	11.940	119	878084	10.578	ppbv		99
70)	n-Butylbenzene	12.293	91	892212	10.907	ppbv		99
71)	2-Chlorotoluene	10.914	91	645588	10.859	ppbv		99
72)	4-Ethyltoluene	11.137	105	583156	10.994	ppbv		99
73)	1,3,5-Trimethylbenzene	11.215	105	483034	11.042	ppbv		95
74)	1,2,4-Trimethylbenzene	11.552	105	527359	10.773	ppbv	#	86
75)	1,3-Dichlorobenzene	11.620	146	323378	11.390	ppbv		99
76)	1,4-Dichlorobenzene	11.684	146	323615	11.304	ppbv		98
77)	1,2-Dichlorobenzene	11.960	146	308369	11.227	ppbv		97
78)	Hexachloro-1,3-Butadiene	13.892	225	215523	10.134	ppbv		99
79)	Naphthalene	13.526	128	523078	10.223	ppbv		98
80)	Naphthalene,2-methyl-	14.471	142	137671	10.328	ppbv		97
81)	1,2,4-Trichlorobenzene	13.452	180	229828	10.822	ppbv		100

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

Quantitation Report (QT Reviewed)

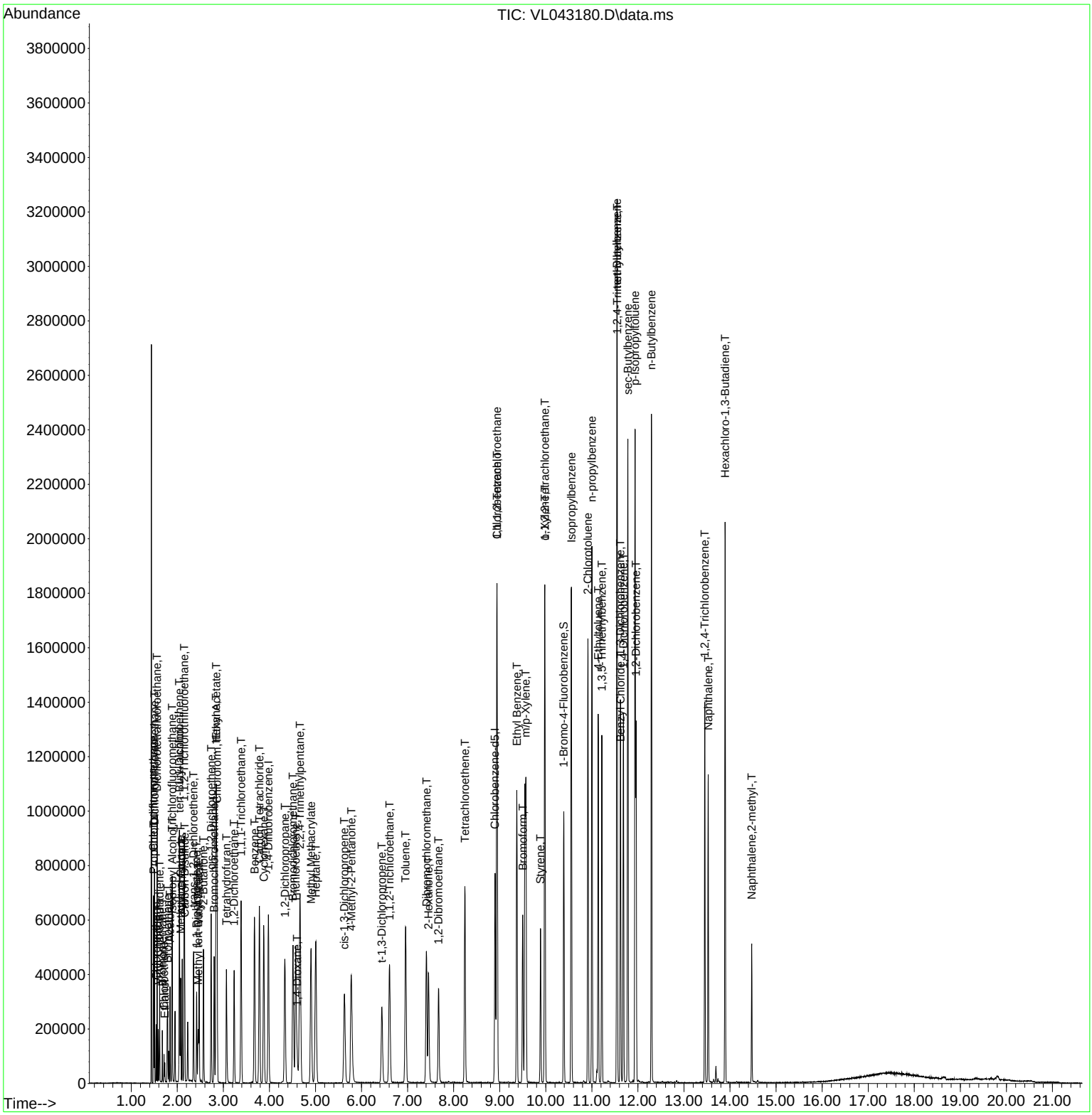
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043180.D
Acq On : 11 Nov 2025 08:15
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 12 00:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043180.D
Acq On : 11 Nov 2025 08:15
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 12 00:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 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	127	0.00
2	T	Dichlorodifluoromethane	1.422	1.386	2.5	138	0.00
3		Chlorodifluoromethane	1.538	1.528	0.7	134	0.00
4		Chloromethane	0.563	0.472	16.2	120	0.00
5	T	Vinyl Chloride	0.552	0.463	16.1	123	0.00
6	T	Bromomethane	0.303	0.290	4.3	142	0.00
7		Chloroethane	0.226	0.194	14.2	129	0.00
8	T	Dichlorotetrafluoroethane	1.149	1.111	3.3	136	0.00
9	T	Propene	0.682	0.601	11.9	117	0.00
10	T	Heptane	1.964	1.850	5.8	131	0.02
11	T	Trichlorofluoromethane	1.391	1.495	-7.5	153#	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.120	1.152	-2.9	150#	0.00
13		Ethanol	0.252	0.172	31.7#	114	0.00
14	T	Bromoethene	0.416	0.408	1.9	140	0.00
15	T	Acetone	1.348	1.151	14.6	134	0.00
16	T	1,3-Butadiene	0.642	0.519	19.2	120	0.00
17		tert-Butyl alcohol	1.850	1.592	13.9	120	0.00
18	T	1,1-Dichloroethene	0.488	0.494	-1.2	144	0.00
19	T	Isopropyl Alcohol	0.839	0.676	19.4	119	0.00
20	T	Methylene Chloride	0.533	0.441	17.3	138	0.00
21	T	Allyl Chloride	0.993	0.864	13.0	121	0.00
22	T	trans-1,2-Dichloroethene	0.583	0.588	-0.9	147	0.00
23	T	Vinyl Acetate	1.974	2.335	-18.3	183#	0.00
24	T	1,1-Dichloroethane	1.127	1.083	3.9	134	0.00
25	T	Ethyl Acetate	3.342	3.321	0.6	135	0.00
26	T	Hexane	1.540	1.502	2.5	136	0.01
27	T	Carbon Disulfide	1.411	1.409	0.1	137	0.00
28	T	Methyl tert-Butyl Ether	0.701	0.685	2.3	149	0.01
29	T	Chloroform	2.232	2.276	-2.0	143	0.00
30	T	Cyclohexane	1.344	1.209	10.0	127	0.02
31	T	cis-1,2-Dichloroethene	1.471	1.466	0.3	133	0.01
32	T	1,1,1-Trichloroethane	2.324	2.235	3.8	133	0.01
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.02
34	T	2-Butanone	0.672	0.800	-19.0	143	0.00
35	T	Carbon Tetrachloride	0.719	0.812	-12.9	136	0.01
36	T	Benzene	0.942	1.033	-9.7	129	0.02
37	T	1,2-Dichloroethane	0.543	0.627	-15.5	140	0.01
38	T	Trichloroethene	0.393	0.390	0.8	124	0.02
39	T	1,2-Dichloropropane	0.344	0.379	-10.2	130	0.02
40	T	1,4-Dioxane	0.154	0.156	-1.3	120	0.02
41	T	Tetrahydrofuran	0.376	0.405	-7.7	128	0.00
42	T	Bromodichloromethane	0.751	0.859	-14.4	134	0.02
43		Methyl Methacrylate	0.478	0.492	-2.9	119	0.02
44	T	2,2,4-Trimethylpentane	1.589	1.766	-11.1	131	0.02
45	T	t-1,3-Dichloropropene	0.480	0.484	-0.8	114	0.02
46	T	cis-1,3-Dichloropropene	0.573	0.581	-1.4	116	0.02
47	T	1,1,2-Trichloroethane	0.372	0.410	-10.2	132	0.02
48	T	Dibromochloromethane	0.622	0.678	-9.0	125	0.02

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043180.D
Acq On : 11 Nov 2025 08:15
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 12 00:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 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	0.505	0.578	-14.5	129	0.01
50	T	4-Methyl-2-Pentanone	0.928	0.987	-6.4	123	0.02
51	T	2-Hexanone	0.696	0.751	-7.9	118	0.02
52	T	Tetrachloroethene	0.340	0.349	-2.6	121	0.02
53	T	Toluene	1.118	1.136	-1.6	119	0.02
54	T	1,2-Dibromoethane	0.582	0.612	-5.2	125	0.01
55	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.01
56		1,1,1,2-Tetrachloroethane	0.630	0.725	-15.1	127	0.01
57	T	Chlorobenzene	0.936	1.024	-9.4	124	0.01
58	T	Ethyl Benzene	1.716	1.841	-7.3	119	0.01
59	T	m/p-Xylene	1.369	1.505	-9.9	126	0.03
60	T	o-Xylene	1.352	1.482	-9.6	125	0.00
61	T	Styrene	0.610	0.609	0.2	109	0.00
62		Isopropylbenzene	2.443	2.684	-9.9	124	0.01
63	T	1,1,2,2-Tetrachloroethane	0.905	1.004	-10.9	133	0.01
64		n-propylbenzene	0.647	0.699	-8.0	122	0.00
65		tert-Butylbenzene	2.157	2.274	-5.4	123	0.00
66	T	Benzyl Chloride	0.240	0.211	12.1	90	0.00
67		sec-Butylbenzene	3.062	3.317	-8.3	127	0.01
68	S	1-Bromo-4-Fluorobenzene	0.777	0.799	-2.8	106	0.00
69		p-Isopropyltoluene	2.602	2.752	-5.8	122	0.01
70		n-Butylbenzene	2.564	2.796	-9.0	124	0.00
71		2-Chlorotoluene	1.863	2.023	-8.6	123	0.00
72	T	4-Ethyltoluene	1.662	1.828	-10.0	123	0.00
73	T	1,3,5-Trimethylbenzene	1.371	1.514	-10.4	124	0.00
74	T	1,2,4-Trimethylbenzene	1.534	1.653	-7.8	128	0.01
75	T	1,3-Dichlorobenzene	0.890	1.014	-13.9	128	0.00
76	T	1,4-Dichlorobenzene	0.897	1.014	-13.0	127	0.00
77	T	1,2-Dichlorobenzene	0.861	0.966	-12.2	130	0.00
78	T	Hexachloro-1,3-Butadiene	0.667	0.675	-1.2	125	0.00
79	T	Naphthalene	1.604	1.639	-2.2	107	0.00
80	T	Naphthalene,2-methyl-	0.418	0.431	-3.1	93	0.01
81	T	1,2,4-Trichlorobenzene	0.666	0.720	-8.1	117	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043180.D
Acq On : 11 Nov 2025 08:15
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 12 00:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 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	127	0.00
2	T	Dichlorodifluoromethane	10.000	9.751	2.5	138	0.00
3		Chlorodifluoromethane	10.000	9.931	0.7	134	0.00
4		Chloromethane	10.000	8.379	16.2	120	0.00
5	T	Vinyl Chloride	10.000	8.386	16.1	123	0.00
6	T	Bromomethane	10.000	9.584	4.2	142	0.00
7		Chloroethane	10.000	8.605	13.9	129	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.667	3.3	136	0.00
9	T	Propene	10.000	8.816	11.8	117	0.00
10	T	Heptane	10.000	9.418	5.8	131	0.02
11	T	Trichlorofluoromethane	10.000	10.751	-7.5	153	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	10.289	-2.9	150	0.00
13		Ethanol	10.000	6.803	32.0#	114	0.00
14	T	Bromoethene	10.000	9.820	1.8	140	0.00
15	T	Acetone	10.000	8.537	14.6	134	0.00
16	T	1,3-Butadiene	10.000	8.072	19.3	120	0.00
17		tert-Butyl alcohol	10.000	8.602	14.0	120	0.00
18	T	1,1-Dichloroethene	10.000	10.117	-1.2	144	0.00
19	T	Isopropyl Alcohol	10.000	8.052	19.5	119	0.00
20	T	Methylene Chloride	10.000	8.271	17.3	138	0.00
21	T	Allyl Chloride	10.000	8.700	13.0	121	0.00
22	T	trans-1,2-Dichloroethene	10.000	10.071	-0.7	147	0.00
23	T	Vinyl Acetate	10.000	11.827	-18.3	183	0.00
24	T	1,1-Dichloroethane	10.000	9.604	4.0	134	0.00
25	T	Ethyl Acetate	10.000	9.935	0.6	135	0.00
26	T	Hexane	10.000	9.752	2.5	136	0.01
27	T	Carbon Disulfide	10.000	9.988	0.1	137	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.782	2.2	149	0.01
29	T	Chloroform	10.000	10.201	-2.0	143	0.00
30	T	Cyclohexane	10.000	8.993	10.1	127	0.02
31	T	cis-1,2-Dichloroethene	10.000	9.965	0.4	133	0.01
32	T	1,1,1-Trichloroethane	10.000	9.618	3.8	133	0.01
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	109	0.02
34	T	2-Butanone	10.000	11.894	-18.9	143	0.00
35	T	Carbon Tetrachloride	10.000	11.297	-13.0	136	0.01
36	T	Benzene	10.000	10.966	-9.7	129	0.02
37	T	1,2-Dichloroethane	10.000	11.550	-15.5	140	0.01
38	T	Trichloroethene	10.000	9.926	0.7	124	0.02
39	T	1,2-Dichloropropane	10.000	11.001	-10.0	130	0.02
40	T	1,4-Dioxane	10.000	10.101	-1.0	120	0.02
41	T	Tetrahydrofuran	10.000	10.778	-7.8	128	0.00
42	T	Bromodichloromethane	10.000	11.440	-14.4	134	0.02
43		Methyl Methacrylate	10.000	10.292	-2.9	119	0.02
44	T	2,2,4-Trimethylpentane	10.000	11.116	-11.2	131	0.02
45	T	t-1,3-Dichloropropene	10.000	10.088	-0.9	114	0.02
46	T	cis-1,3-Dichloropropene	10.000	10.132	-1.3	116	0.02
47	T	1,1,2-Trichloroethane	10.000	11.032	-10.3	132	0.02
48	T	Dibromochloromethane	10.000	10.913	-9.1	125	0.02

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043180.D
Acq On : 11 Nov 2025 08:15
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 12 00:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	11.436	-14.4	129	0.01
50	T	4-Methyl-2-Pentanone	10.000	10.642	-6.4	123	0.02
51	T	2-Hexanone	10.000	10.790	-7.9	118	0.02
52	T	Tetrachloroethene	10.000	10.288	-2.9	121	0.02
53	T	Toluene	10.000	10.163	-1.6	119	0.02
54	T	1,2-Dibromoethane	10.000	10.505	-5.1	125	0.01
55	I	Chlorobenzene-d5	10.000	10.000	0.0	103	0.01
56		1,1,1,2-Tetrachloroethane	10.000	11.499	-15.0	127	0.01
57	T	Chlorobenzene	10.000	10.944	-9.4	124	0.01
58	T	Ethyl Benzene	10.000	10.726	-7.3	119	0.01
59	T	m/p-Xylene	20.000	21.995	-10.0	126	0.03
60	T	o-Xylene	10.000	10.961	-9.6	125	0.00
61	T	Styrene	10.000	9.979	0.2	109	0.00
62		Isopropylbenzene	10.000	10.987	-9.9	124	0.01
63	T	1,1,2,2-Tetrachloroethane	10.000	11.095	-11.0	133	0.01
64		n-propylbenzene	10.000	10.808	-8.1	122	0.00
65		tert-Butylbenzene	10.000	10.539	-5.4	123	0.00
66	T	Benzyl Chloride	10.000	8.790	12.1	90	0.00
67		sec-Butylbenzene	10.000	10.832	-8.3	127	0.01
68	S	1-Bromo-4-Fluorobenzene	10.000	10.275	-2.8	106	0.00
69		p-Isopropyltoluene	10.000	10.578	-5.8	122	0.01
70		n-Butylbenzene	10.000	10.907	-9.1	124	0.00
71		2-Chlorotoluene	10.000	10.859	-8.6	123	0.00
72	T	4-Ethyltoluene	10.000	10.994	-9.9	123	0.00
73	T	1,3,5-Trimethylbenzene	10.000	11.042	-10.4	124	0.00
74	T	1,2,4-Trimethylbenzene	10.000	10.773	-7.7	128	0.01
75	T	1,3-Dichlorobenzene	10.000	11.390	-13.9	128	0.00
76	T	1,4-Dichlorobenzene	10.000	11.304	-13.0	127	0.00
77	T	1,2-Dichlorobenzene	10.000	11.227	-12.3	130	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	10.134	-1.3	125	0.00
79	T	Naphthalene	10.000	10.223	-2.2	107	0.00
80	T	Naphthalene,2-methyl-	10.000	10.328	-3.3	93	0.01
81	T	1,2,4-Trichlorobenzene	10.000	10.822	-8.2	117	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

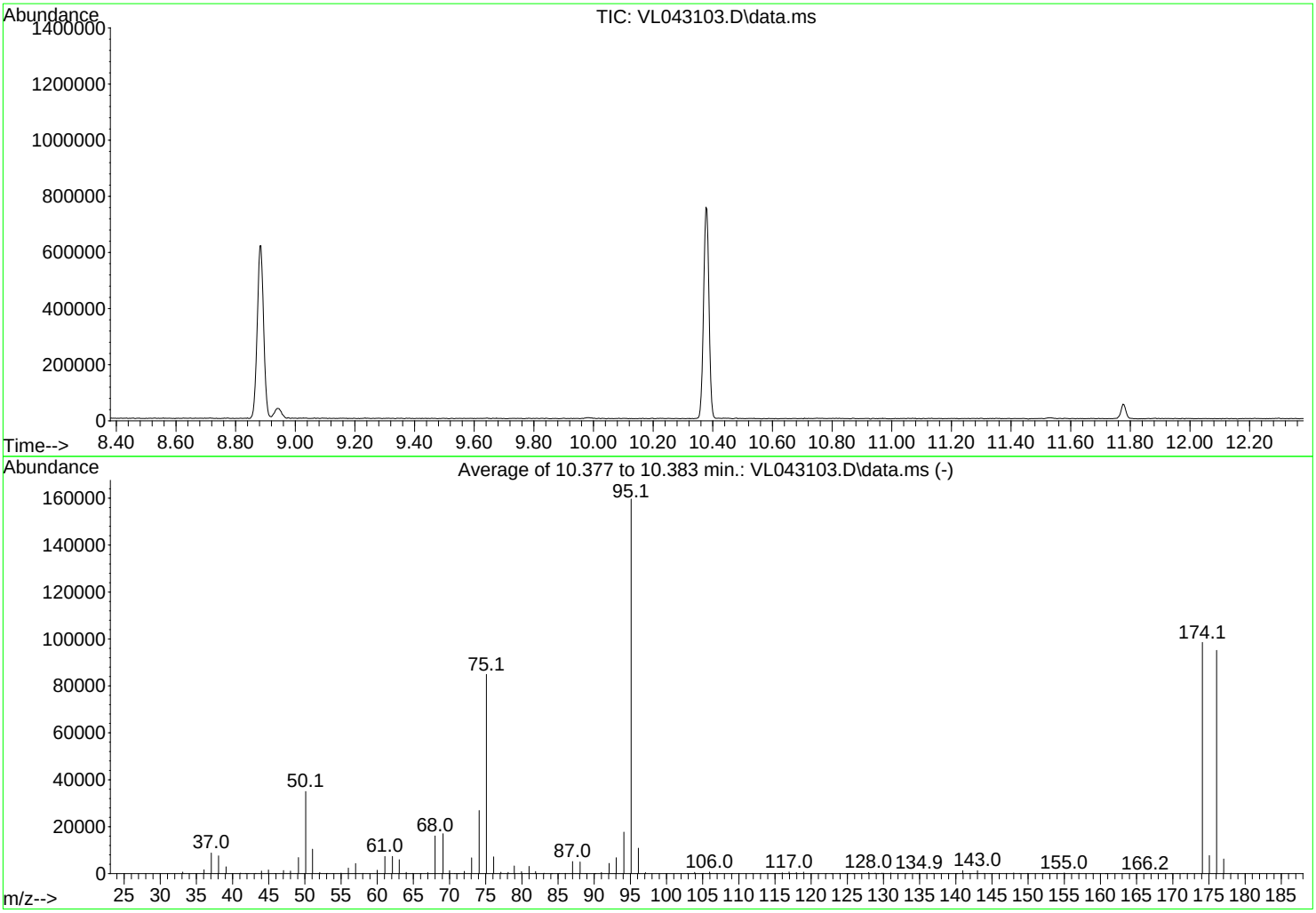
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043103.D
Acq On : 14 Oct 2025 08:42
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\VL101425AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Oct 15 02:12:58 2025



AutoFind: Scans 3179, 3180, 3181; Background Corrected with Scan 3159

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.9	35021	PASS
75	95	30	66	53.2	84899	PASS
95	95	100	100	100.0	159660	PASS
96	95	5	9	6.8	10862	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	61.7	98536	PASS
175	174	4	9	7.8	7669	PASS
176	174	93	101	96.5	95125	PASS
177	176	5	9	6.6	6237	PASS

Average of 10.377 to 10.383 min.: VL043103.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	678	45.90	92	57.00	4329	69.10	1705
36.05	1649	47.05	1356	58.05	156	70.00	125
37.05	8803	48.00	1116	60.00	1471	70.70	4
38.05	7582	49.10	6864	61.05	7364	70.90	6
39.10	2897	50.10	35021	62.10	7323	71.20	30
41.10	216	51.05	10411	63.05	5960	72.05	989
41.85	155	52.05	464	64.00	555	73.05	6713
42.20	51	53.05	99	64.90	107	74.10	26912
43.20	141	53.90	66	66.00	21	75.10	84899
44.00	1066	55.00	227	67.00	401	76.10	7154
44.95	1561	56.00	2392	68.00	16058	77.10	609

Instrument :
MSVOA_L
ClientSampleId :
BFB

Average of 10.377 to 10.383 min.: VL043103.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.10	547	88.80	66	104.90	96	116.95	731
78.95	3267	90.10	23	105.10	98	117.95	489
79.95	849	91.00	470	105.95	658	118.95	646
81.00	3075	92.05	4394	106.95	133	122.15	88
81.90	894	93.05	6769	109.15	79	122.80	36
83.05	174	94.10	17698	110.00	104	123.95	104
84.10	11	95.10	159660	111.90	140	124.80	48
85.15	151	96.10	10862	113.05	117	125.10	22
86.00	122	97.10	451	115.00	138	125.80	25
87.00	5156	102.90	75	115.60	71	127.95	496
88.05	4968	103.90	541	116.00	350	128.85	219

Average of 10.377 to 10.383 min.: VL043103.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.20	37	141.90	157	152.85	142	171.50	128
129.80	225	143.00	1303	154.05	106	172.05	103
130.00	213	143.90	121	155.00	312	174.10	98536
131.00	303	144.75	83	157.00	199	175.05	7669
133.10	19	145.10	42	158.95	159	176.05	95125
134.60	38	146.05	150	160.70	27	177.05	6237
134.95	203	147.00	115	160.90	91	178.05	186
136.70	112	148.00	286	166.20	19		
136.90	134	148.80	100	168.35	50		
140.10	20	149.95	150	169.80	113		
140.95	1257	152.00	23	170.65	62		

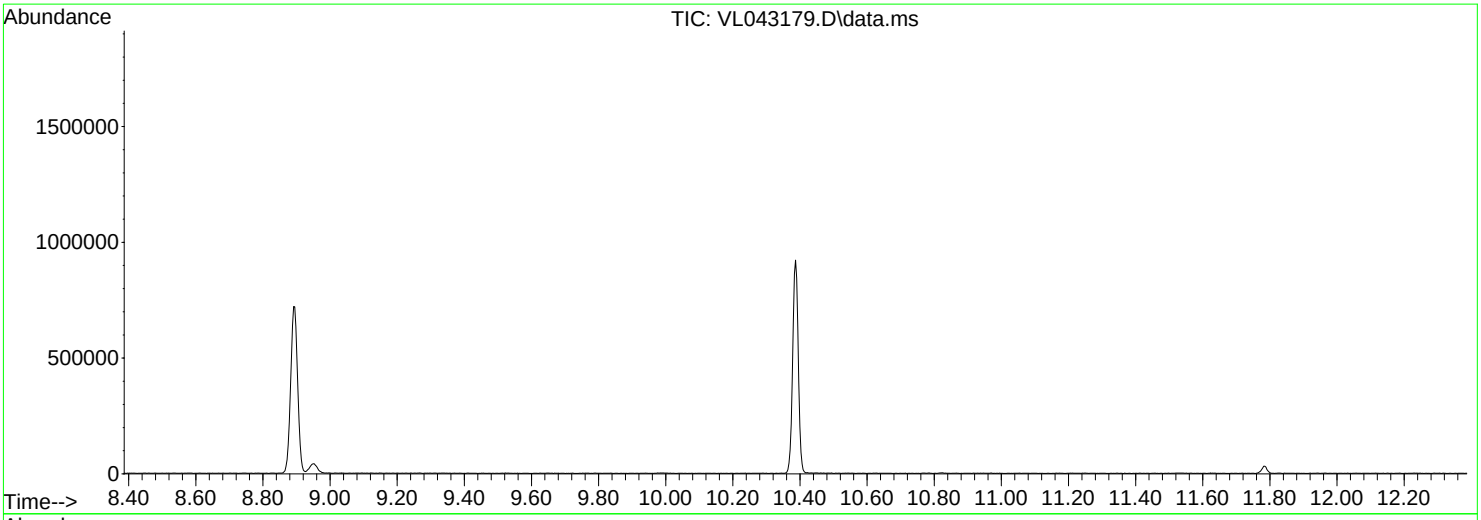
BFB

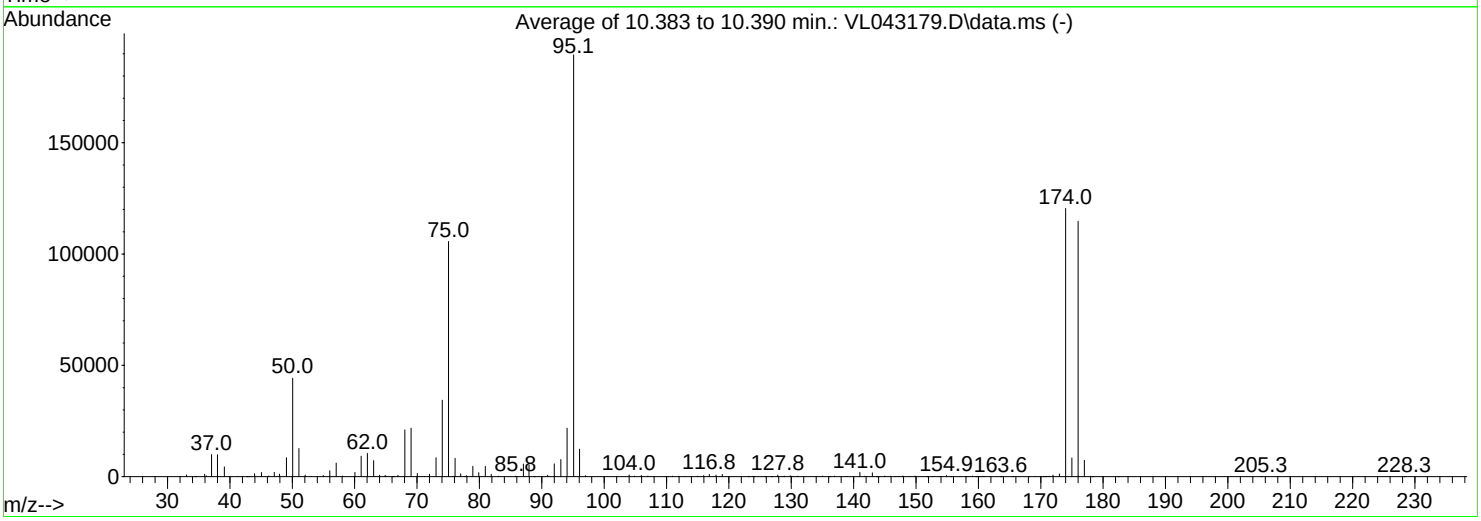
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043179.D
Acq On : 11 Nov 2025 07:30
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Oct 15 02:12:58 2025





AutoFind: Scans 3181, 3182, 3183; Background Corrected with Scan 3168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.3	44243	PASS
75	95	30	66	55.7	105627	PASS
95	95	100	100	100.0	189483	PASS
96	95	5	9	6.5	12377	PASS
173	174	0.00	2	1.0	1260	PASS
174	95	50	120	63.6	120448	PASS
175	174	4	9	7.0	8399	PASS
176	174	93	101	95.2	114699	PASS
177	176	5	9	6.4	7339	PASS

Average of 10.383 to 10.390 min.: VL043179.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.05	814	45.05	1844	56.00	2648	66.20	3
34.50	33	46.25	278	57.05	6120	66.95	59
35.95	1073	47.10	1977	58.05	261	68.05	2102
36.20	355	47.95	1147	60.05	1953	69.05	2181
37.05	9914	49.05	8494	61.05	9194	70.05	1417
38.00	9816	50.05	44243	62.05	10407	71.15	64
39.10	4381	51.05	12690	63.05	7207	72.00	1105
41.25	75	52.05	693	64.00	672	73.05	8513
42.70	31	53.05	104	64.90	562	74.05	34336
43.00	39	54.05	86	65.10	155	75.05	105627
43.95	1314	54.95	514	66.00	27	76.10	8302

Instrument :
MSVOA_L
ClientSampleId :
BFB

Average of 10.383 to 10.390 min.: VL043179.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.00	1276	88.80	33	107.00	279	123.10	36
77.70	215	90.95	655	109.85	91	123.75	97
77.95	405	92.00	5746	110.30	99	124.00	29
78.95	4651	93.05	7735	110.95	225	125.80	18
79.90	1769	94.05	21797	111.90	139	126.80	34
80.95	4595	95.10	189483	112.95	92	127.85	747
81.90	1050	96.05	12377	114.95	191	128.70	52
83.05	250	97.00	416	115.95	490	128.95	213
85.80	244	104.00	813	116.85	1033	129.85	407
87.05	5701	104.85	261	117.95	733	130.10	205
87.95	5305	105.95	594	118.95	979	131.05	203

Average of 10.383 to 10.390 min.: VL043179.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
135.00	289	145.00	275	154.90	539	165.50	19
136.10	37	145.90	193	155.60	37	168.10	18
136.95	278	146.70	46	157.05	172	169.10	52
138.90	108	147.00	76	158.00	19	169.90	100
139.95	126	147.90	323	159.05	287	170.40	39
141.00	1919	149.00	42	159.60	26	170.80	26
141.80	218	149.85	323	160.00	24	171.35	211
142.20	69	151.80	22	160.60	125	171.95	737
143.00	1726	152.70	74	160.80	97	173.00	1260
143.70	28	152.90	79	161.00	60	174.00	120448
144.10	69	153.70	42	163.60	35	175.00	8399

Average of 10.383 to 10.390 min.: VL043179.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.00	114699						
177.00	7339						
178.00	205						
178.30	38						
182.40	28						
205.30	18						
228.30	26						

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	74-16 Cypress Hill St, Glendale NY	Date Received:	
Client Sample ID:	VL1111ABL01	SDG No.:	Q3594
Lab Sample ID:	VL1111ABL01	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		11/11/25 09:01	VL111125
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05		11/11/25 09:01	VL111125
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02		11/11/25 09:01	VL111125
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72		11/11/25 09:01	VL111125
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98		11/11/25 09:01	VL111125
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16		11/11/25 09:01	VL111125
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	1	0.65	2.34		11/11/25 09:01	VL111125
71-43-2	Benzene	0.080	0.26	U	1	0.26	1.60		11/11/25 09:01	VL111125
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16		11/11/25 09:01	VL111125
108-88-3	Toluene	0.16	0.60	U	1	0.60	1.88		11/11/25 09:01	VL111125
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20		11/11/25 09:01	VL111125
100-41-4	Ethyl Benzene	0.19	0.83	U	1	0.83	2.17		11/11/25 09:01	VL111125
179601-23-1	m/p-Xylene	0.41	1.78	U	1	1.78	4.34		11/11/25 09:01	VL111125
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17		11/11/25 09:01	VL111125
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/11/25 09:01	VL111125
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/11/25 09:01	VL111125
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52		11/11/25 09:01	VL111125
110-54-3	Hexane	0.16	0.56	U	1	0.56	1.76		11/11/25 09:01	VL111125
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	9.70				65 - 135	97%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	133000								
540-36-3	1,4-Difluorobenzene	369000								
3114-55-4	Chlorobenzene-d5	303000								

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043181.D
Acq On : 11 Nov 2025 09:01
Operator : SY/MD
Sample : VL1111ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1111ABL01

Quant Time: Nov 12 00:13:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

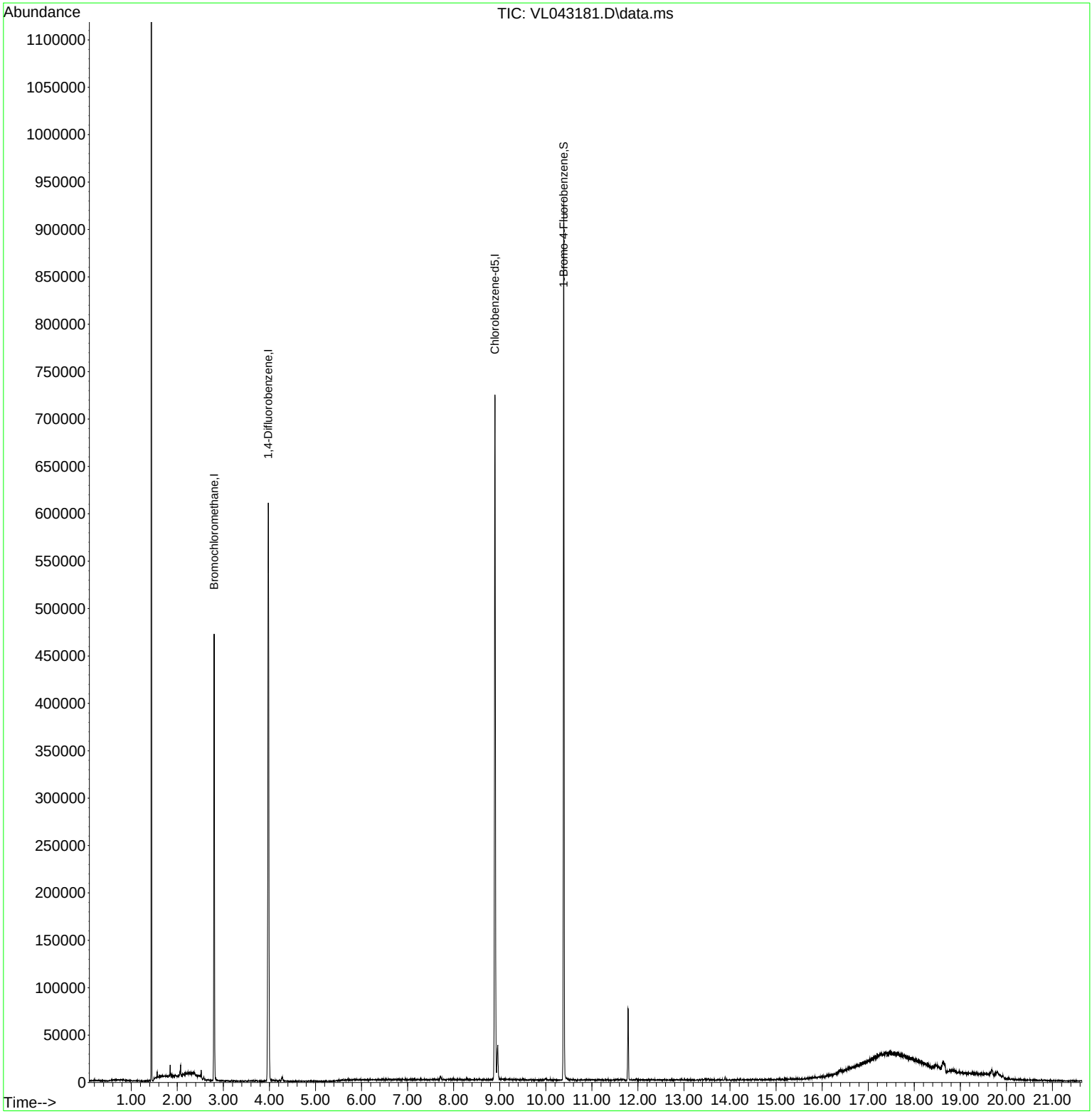
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	132756	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	368642	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.898	117	303422	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	228072	9.671	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.700%			
Target Compounds						Qvalue

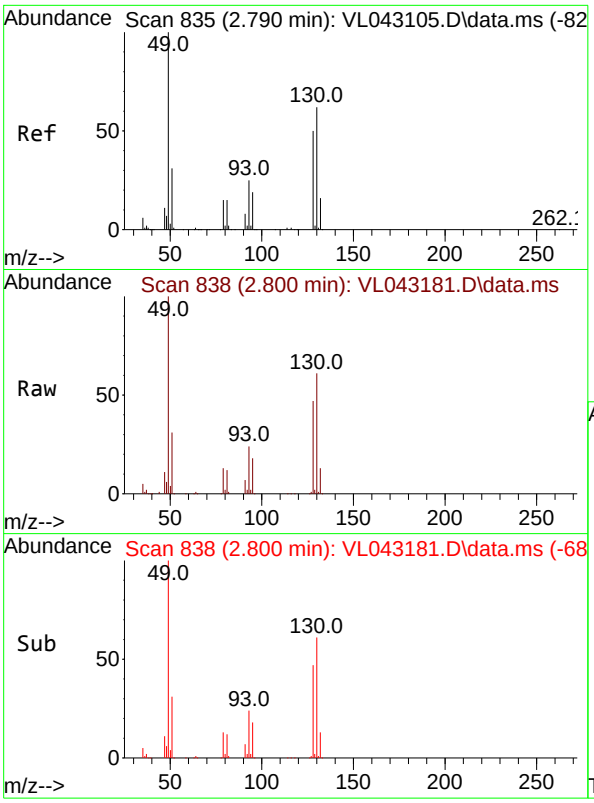
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043181.D
Acq On : 11 Nov 2025 09:01
Operator : SY/MD
Sample : VL1111ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1111ABL01

Quant Time: Nov 12 00:13:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



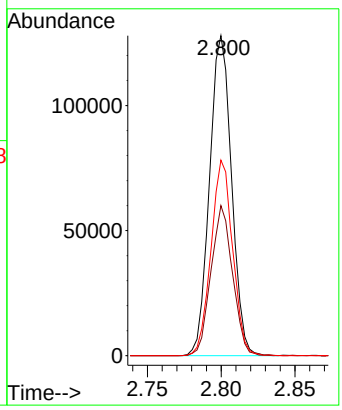


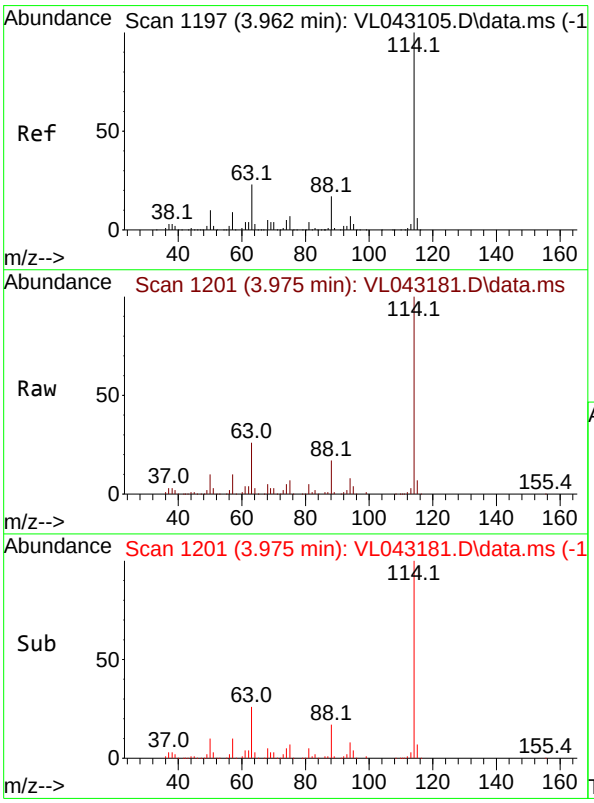
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL043181.D
Acq: 11 Nov 2025 09:01

Instrument :
MSVOA_L
ClientSampleId :
VL1111ABL01

Tgt Ion: 49 Resp: 132756

Ion	Ratio	Lower	Upper
49	100		
128	46.0	24.4	73.4
130	60.2	31.0	93.0

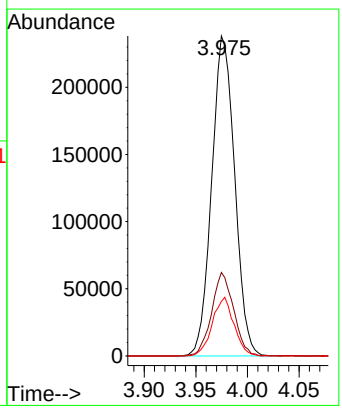


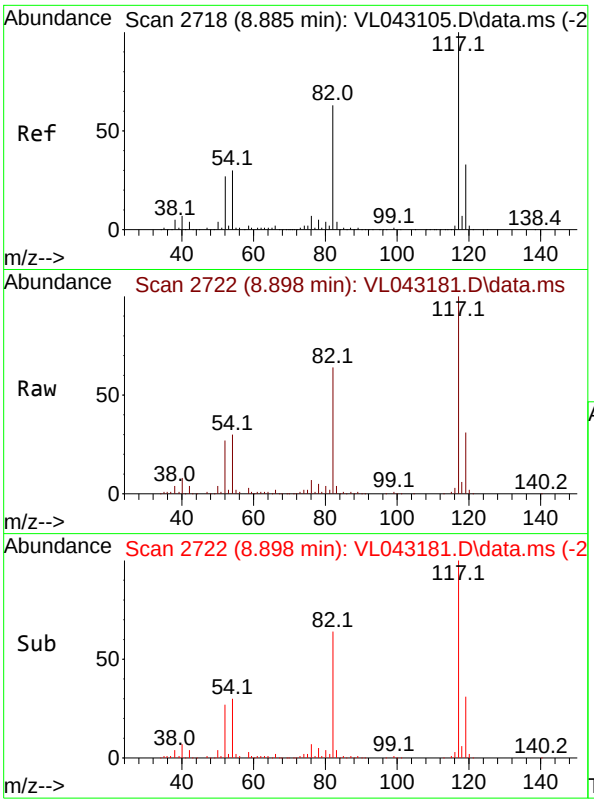


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.013 min
Lab File: VL043181.D
Acq: 11 Nov 2025 09:01

Tgt Ion:114 Resp: 368642

Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.3	28.9
88	17.3	13.9	20.9



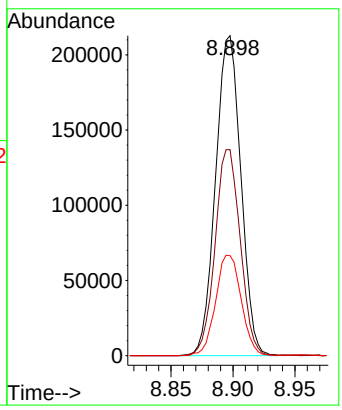


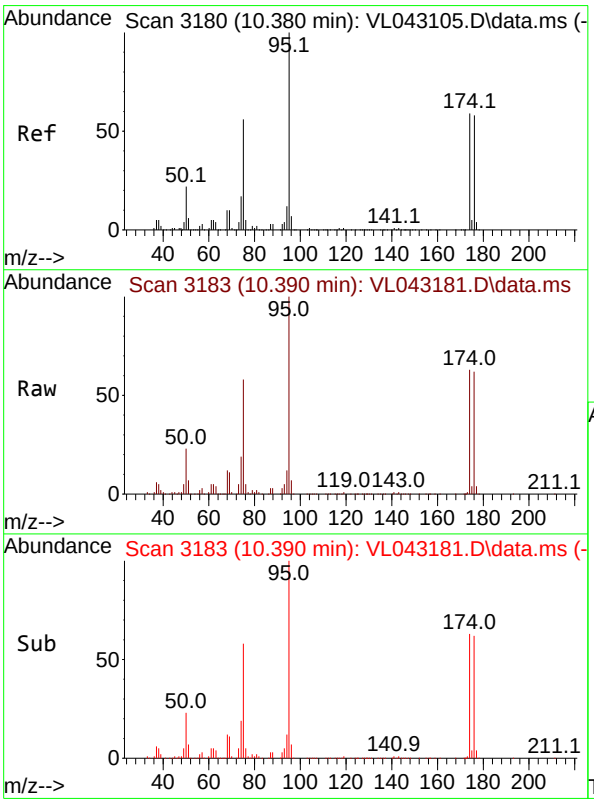
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043181.D
Acq: 11 Nov 2025 09:01

Instrument :
MSVOA_L
ClientSampleId :
VL1111ABL01

Tgt Ion:117 Resp: 303422

Ion	Ratio	Lower	Upper
117	100		
82	64.2	53.8	80.8
119	31.8	25.4	38.0

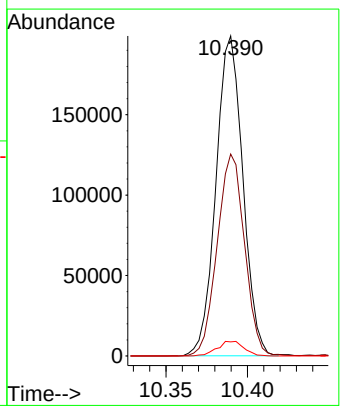




#68
1-Bromo-4-Fluorobenzene
Concen: 9.671 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.009 min
Lab File: VL043181.D
Acq: 11 Nov 2025 09:01

Tgt Ion: 95 Resp: 228072

Ion	Ratio	Lower	Upper
95	100		
174	64.5	48.3	72.5
175	4.6	3.8	5.8



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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	74-16 Cypress Hill St, Glendale NY	Date Received:	
Client Sample ID:	VL1111ABS01	SDG No.:	Q3594
Lab Sample ID:	VL1111ABS01	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	8.60	22.0		1	0.080	0.080		11/11/25 09:44	VL111125
142-82-5	Heptane	9.40	38.5		1	0.70	2.05		11/11/25 09:44	VL111125
75-34-3	1,1-Dichloroethane	9.70	39.3		1	0.53	2.02		11/11/25 09:44	VL111125
110-82-7	Cyclohexane	8.70	29.9		1	0.76	1.72		11/11/25 09:44	VL111125
156-59-2	cis-1,2-Dichloroethene	9.90	39.3		1	0.40	1.98		11/11/25 09:44	VL111125
71-55-6	1,1,1-Trichloroethane	9.50	51.8		1	0.11	0.16		11/11/25 09:44	VL111125
540-84-1	2,2,4-Trimethylpentane	11.0	51.4		1	0.65	2.34		11/11/25 09:44	VL111125
71-43-2	Benzene	11.0	35.1		1	0.26	1.60		11/11/25 09:44	VL111125
79-01-6	Trichloroethene	9.80	52.7		1	0.11	0.16		11/11/25 09:44	VL111125
108-88-3	Toluene	10.1	38.1		1	0.60	1.88		11/11/25 09:44	VL111125
127-18-4	Tetrachloroethene	10.3	69.8		1	0.14	0.20		11/11/25 09:44	VL111125
100-41-4	Ethyl Benzene	10.6	46.0		1	0.83	2.17		11/11/25 09:44	VL111125
179601-23-1	m/p-Xylene	21.9	95.1		1	1.78	4.34		11/11/25 09:44	VL111125
95-47-6	o-Xylene	10.9	47.3		1	0.91	2.17		11/11/25 09:44	VL111125
108-67-8	1,3,5-Trimethylbenzene	11.0	54.1		1	0.88	2.46		11/11/25 09:44	VL111125
95-63-6	1,2,4-Trimethylbenzene	10.7	52.6		1	0.88	2.46		11/11/25 09:44	VL111125
91-20-3	Naphthalene	10.2	53.5		1	0.050	0.52		11/11/25 09:44	VL111125
110-54-3	Hexane	9.60	33.8		1	0.56	1.76		11/11/25 09:44	VL111125
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	10.2				65 - 135	102%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	133000								
540-36-3	1,4-Difluorobenzene	372000								
3114-55-4	Chlorobenzene-d5	320000								

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043182.D
Acq On : 11 Nov 2025 09:44
Operator : SY/MD
Sample : VL1111ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 12 00:14:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1111ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	132945	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	371877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	319598	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	253333	10.198	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	185561	9.818	ppbv	98
3) Chlorodifluoromethane	1.479	51	202722	9.914	ppbv	100
4) Chloromethane	1.538	50	63651	8.501	ppbv	98
5) Vinyl Chloride	1.586	62	63342	8.625	ppbv	98
6) Bromomethane	1.673	94	38774	9.628	ppbv	92
7) Chloroethane	1.709	64	25107	8.362	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	145490	9.524	ppbv	90
9) Propene	1.489	41	77698	8.567	ppbv	100
10) Heptane	5.001	43	245906	9.418	ppbv	98
11) Trichlorofluoromethane	1.884	101	196430	10.625	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.149	101	153358	10.304	ppbv	95
13) Ethanol	1.725	45	22602	6.737	ppbv	95
14) Bromoethene	1.787	108	54349	9.829	ppbv	97
15) Acetone	1.842	43	153795	8.583	ppbv	100
16) 1,3-Butadiene	1.615	39	69585	8.148	ppbv	97
17) tert-Butyl alcohol	2.046	59	214991	8.741	ppbv	99
18) 1,1-Dichloroethene	2.042	96	66205	10.203	ppbv	86
19) Isopropyl Alcohol	1.890	45	92615	8.299	ppbv	93
20) Methylene Chloride	2.068	84	58288	8.229	ppbv	90
21) Allyl Chloride	2.104	41	113692	8.610	ppbv	95
22) trans-1,2-Dichloroethene	2.350	96	76058	9.806	ppbv	91
23) Vinyl Acetate	2.470	43	277590	10.575	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	145976	9.741	ppbv	99
25) Ethyl Acetate	2.842	43	437842	9.853	ppbv	99
26) Hexane	2.839	57	196817	9.612	ppbv	99
27) Carbon Disulfide	2.159	76	182505	9.728	ppbv	98
28) Methyl tert-Butyl Ether	2.447	73	78683	8.447	ppbv	95
29) Chloroform	2.858	83	299965	10.111	ppbv	97
30) Cyclohexane	3.871	84	154641	8.653	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	193687	9.906	ppbv	96
32) 1,1,1-Trichloroethane	3.379	97	294917	9.546	ppbv	99
34) 2-Butanone	2.564	43	295824	11.834	ppbv	99
35) Carbon Tetrachloride	3.777	117	300843	11.252	ppbv	95
36) Benzene	3.670	78	384993	10.992	ppbv	98
37) 1,2-Dichloroethane	3.230	62	231038	11.451	ppbv	98
38) Trichloroethene	4.564	130	143138	9.785	ppbv	95
39) 1,2-Dichloropropane	4.327	63	143822	11.232	ppbv	98
40) 1,4-Dioxane	4.596	88	58309	10.176	ppbv #	97
41) Tetrahydrofuran	3.062	42	151781	10.856	ppbv	97
42) Bromodichloromethane	4.506	83	317121	11.356	ppbv	99
43) Methyl Methacrylate	4.894	69	182788	10.275	ppbv	99
44) 2,2,4-Trimethylpentane	4.658	57	648709	10.978	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	176159	9.868	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043182.D
Acq On : 11 Nov 2025 09:44
Operator : SY/MD
Sample : VL1111ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 12 00:14:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1111ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.619	75	218429	10.243	ppbv		98
47)	1,1,2-Trichloroethane	6.596	97	149388	10.804	ppbv		97
48)	Dibromochloromethane	7.402	129	252486	10.921	ppbv		99
49)	Bromoform	9.493	173	214024	11.389	ppbv		100
50)	4-Methyl-2-Pentanone	5.768	43	366734	10.630	ppbv		98
51)	2-Hexanone	7.448	43	276033	10.668	ppbv	#	98
52)	Tetrachloroethene	8.241	164	130356	10.321	ppbv		95
53)	Toluene	6.949	91	418643	10.071	ppbv		98
54)	1,2-Dibromoethane	7.668	107	227323	10.496	ppbv		99
56)	1,1,1,2-Tetrachloroethane	8.936	131	233353	11.583	ppbv		99
57)	Chlorobenzene	8.933	112	323899	10.833	ppbv		98
58)	Ethyl Benzene	9.367	91	582083	10.612	ppbv		96
59)	m/p-Xylene	9.561	91	957056m	21.876	ppbv		
60)	o-Xylene	9.975	91	471216	10.905	ppbv		100
61)	Styrene	9.882	104	194333	9.963	ppbv		99
62)	Isopropylbenzene	10.548	105	849266	10.877	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.972	83	321950	11.128	ppbv		99
64)	n-propylbenzene	10.998	120	219996	10.643	ppbv		93
65)	tert-Butylbenzene	11.542	119	717705	10.409	ppbv		98
66)	Benzyl Chloride	11.626	91	65105	8.484	ppbv		99
67)	sec-Butylbenzene	11.778	105	1052044	10.751	ppbv		99
69)	p-Isopropyltoluene	11.934	119	871080	10.476	ppbv		99
70)	n-Butylbenzene	12.290	91	886686	10.821	ppbv		99
71)	2-Chlorotoluene	10.911	91	636102	10.682	ppbv		100
72)	4-Ethyltoluene	11.134	105	580283	10.922	ppbv		99
73)	1,3,5-Trimethylbenzene	11.212	105	480244	10.960	ppbv		95
74)	1,2,4-Trimethylbenzene	11.545	105	525205	10.711	ppbv		98
75)	1,3-Dichlorobenzene	11.616	146	319259	11.226	ppbv		99
76)	1,4-Dichlorobenzene	11.681	146	321653	11.217	ppbv		99
77)	1,2-Dichlorobenzene	11.956	146	305054	11.088	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.889	225	218622	10.263	ppbv		100
79)	Naphthalene	13.523	128	521984	10.185	ppbv		98
80)	Naphthalene,2-methyl-	14.468	142	137988	10.334	ppbv		97
81)	1,2,4-Trichlorobenzene	13.448	180	229167	10.773	ppbv		99

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

Quantitation Report (QT Reviewed)

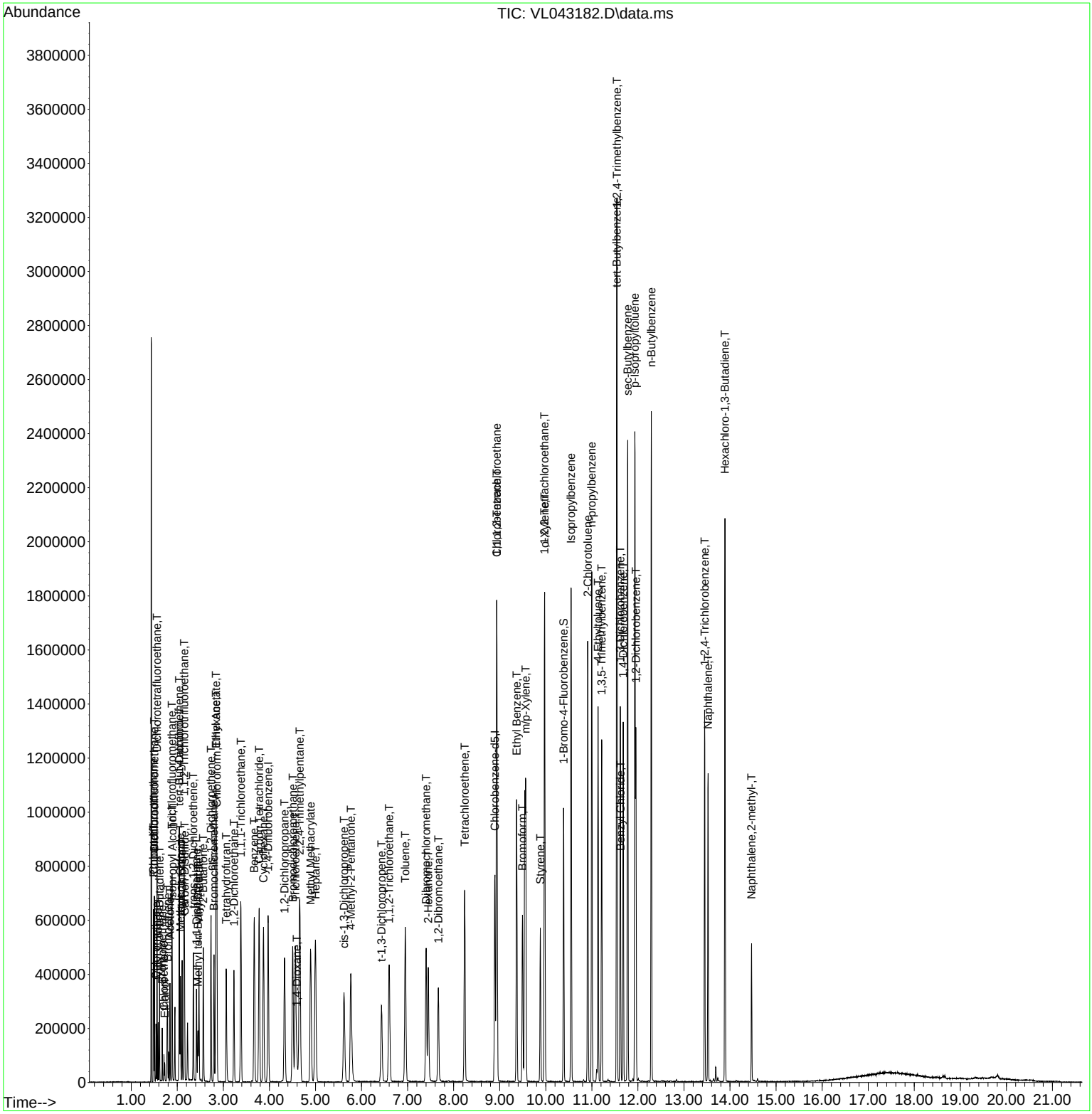
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
Data File : VL043182.D
Acq On : 11 Nov 2025 09:44
Operator : SY/MD
Sample : VL1111ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 12 00:14:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1111ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



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

Manual Integration Report

Sequence:	VL101425	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL043105.D	m/p-Xylene	sam	10/16/2025 4:38:08 AM	MMdadoda	10/16/2025 4:40:57 AM	Peak Integrated by Software
VSTDICC002	VL043106.D	1,4-Dioxane	sam	10/16/2025 4:38:12 AM	MMdadoda	10/16/2025 4:41:02 AM	Peak Integrated by Software
VSTDICC002	VL043106.D	cis-1,3-Dichloropropene	sam	10/16/2025 4:38:12 AM	MMdadoda	10/16/2025 4:41:02 AM	Peak Integrated by Software
VSTDICC002	VL043106.D	m/p-Xylene	sam	10/16/2025 4:38:12 AM	MMdadoda	10/16/2025 4:41:02 AM	Peak Integrated by Software
VSTDICC001	VL043107.D	1,4-Dioxane	sam	10/16/2025 4:38:18 AM	MMdadoda	10/16/2025 4:41:06 AM	Peak Integrated by Software
VSTDICC001	VL043107.D	4-Methyl-2-Pentanone	sam	10/16/2025 4:38:18 AM	MMdadoda	10/16/2025 4:41:06 AM	Peak Integrated by Software
VSTDICC001	VL043107.D	m/p-Xylene	sam	10/16/2025 4:38:18 AM	MMdadoda	10/16/2025 4:41:06 AM	Peak Integrated by Software
VSTDICC001	VL043107.D	t-1,3-Dichloropropene	sam	10/16/2025 4:38:18 AM	MMdadoda	10/16/2025 4:41:06 AM	Peak Integrated by Software
VSTDICC0.5	VL043108.D	1,4-Dioxane	sam	10/16/2025 4:38:22 AM	MMdadoda	10/16/2025 4:41:10 AM	Peak Integrated by Software
VSTDICC0.5	VL043108.D	2,2,4-Trimethylpentane	sam	10/16/2025 4:38:22 AM	MMdadoda	10/16/2025 4:41:10 AM	Peak Integrated by Software
VSTDICC0.5	VL043108.D	4-Methyl-2-Pentanone	sam	10/16/2025 4:38:22 AM	MMdadoda	10/16/2025 4:41:10 AM	Peak Integrated by Software
VSTDICC0.5	VL043108.D	cis-1,3-Dichloropropene	sam	10/16/2025 4:38:22 AM	MMdadoda	10/16/2025 4:41:10 AM	Peak Integrated by Software
VSTDICC0.5	VL043108.D	Cyclohexane	sam	10/16/2025 4:38:22 AM	MMdadoda	10/16/2025 4:41:10 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VL101425	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL043108.D	Heptane	sam	10/16/2025 4:38:22 AM	MMdadoda	10/16/2025 4:41:10 AM	Peak Integrated by Software
VSTDICC0.5	VL043108.D	m/p-Xylene	sam	10/16/2025 4:38:22 AM	MMdadoda	10/16/2025 4:41:10 AM	Peak Integrated by Software
VSTDICC0.5	VL043108.D	Methyl Methacrylate	sam	10/16/2025 4:38:22 AM	MMdadoda	10/16/2025 4:41:10 AM	Peak Integrated by Software
VSTDICC0.5	VL043108.D	Tetrahydrofuran	sam	10/16/2025 4:38:22 AM	MMdadoda	10/16/2025 4:41:10 AM	Peak Integrated by Software
VSTDICC0.1	VL043109.D	1,1,1-Trichloroethane	sam	10/16/2025 4:38:26 AM	MMdadoda	10/16/2025 4:41:15 AM	Peak Integrated by Software
VSTDICC0.1	VL043109.D	Carbon Tetrachloride	sam	10/16/2025 4:38:26 AM	MMdadoda	10/16/2025 4:41:15 AM	Peak Integrated by Software
VSTDICC0.1	VL043109.D	Naphthalene	sam	10/16/2025 4:38:26 AM	MMdadoda	10/16/2025 4:41:15 AM	Peak Integrated by Software
VSTDICC0.1	VL043109.D	Tetrachloroethene	sam	10/16/2025 4:38:26 AM	MMdadoda	10/16/2025 4:41:15 AM	Peak Integrated by Software
VSTDICC0.1	VL043109.D	Trichloroethene	sam	10/16/2025 4:38:26 AM	MMdadoda	10/16/2025 4:41:15 AM	Peak Integrated by Software
VSTDICC0.03	VL043110.D	1,1,1-Trichloroethane	sam	10/16/2025 4:38:31 AM	MMdadoda	10/16/2025 4:41:20 AM	Peak Integrated by Software
VSTDICC0.03	VL043110.D	1,1,2,2-Tetrachloroethane	sam	10/16/2025 4:38:31 AM	MMdadoda	10/16/2025 4:41:20 AM	Peak Integrated by Software
VSTDICC0.03	VL043110.D	Carbon Tetrachloride	sam	10/16/2025 4:38:31 AM	MMdadoda	10/16/2025 4:41:20 AM	Peak Integrated by Software
VSTDICC0.03	VL043110.D	Tetrachloroethene	sam	10/16/2025 4:38:31 AM	MMdadoda	10/16/2025 4:41:20 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VL101425	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.03	VL043110.D	Trichloroethene	sam	10/16/2025 4:38:31 AM	MMdadoda	10/16/2025 4:41:20 AM	Peak Integrated by Software
VSTDICC015	VL043111.D	m/p-Xylene	sam	10/16/2025 4:38:35 AM	MMdadoda	10/16/2025 4:41:24 AM	Peak Integrated by Software
VSTDICV010	VL043112.D	Ethanol	sam	10/16/2025 4:38:41 AM	MMdadoda	10/16/2025 4:41:28 AM	Peak Integrated by Software
VSTDICV010	VL043112.D	m/p-Xylene	sam	10/16/2025 4:38:41 AM	MMdadoda	10/16/2025 4:41:28 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VL111125	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL043180.D	4-Methyl-2-Pentanone	sam	11/13/2025 9:59:01 AM	MMDadoda	11/13/2025 11:54:28 AM	Peak Integrated by Software
VSTDCCC010	VL043180.D	m/p-Xylene	sam	11/13/2025 9:59:01 AM	MMDadoda	11/13/2025 11:54:28 AM	Peak Integrated by Software
VL1111ABS01	VL043182.D	m/p-Xylene	sam	11/13/2025 9:59:10 AM	MMDadoda	11/13/2025 11:54:31 AM	Peak Integrated by Software
Q3594-01	VL043183.D	Carbon Tetrachloride	sam	11/13/2025 9:58:16 AM	MMDadoda	11/13/2025 11:54:35 AM	Peak Integrated by Software
Q3594-01	VL043183.D	Chlorodifluoromethane	sam	11/13/2025 9:58:16 AM	MMDadoda	11/13/2025 11:54:35 AM	Peak Integrated by Software
Q3594-01	VL043183.D	Tetrachloroethene	sam	11/13/2025 9:58:16 AM	MMDadoda	11/13/2025 11:54:35 AM	Peak Integrated by Software
Q3594-01DUP	VL043184.D	4-Ethyltoluene	sam	11/13/2025 9:59:15 AM	MMDadoda	11/13/2025 11:54:40 AM	Peak Integrated by Software
Q3594-01DUP	VL043184.D	Acetone	sam	11/13/2025 9:59:15 AM	MMDadoda	11/13/2025 11:54:40 AM	Peak Integrated by Software
Q3594-01DUP	VL043184.D	Carbon Tetrachloride	sam	11/13/2025 9:59:15 AM	MMDadoda	11/13/2025 11:54:40 AM	Peak Integrated by Software
Q3594-01DUP	VL043184.D	Chlorodifluoromethane	sam	11/13/2025 9:59:15 AM	MMDadoda	11/13/2025 11:54:40 AM	Peak Integrated by Software
Q3594-01DUP	VL043184.D	Heptane	sam	11/13/2025 9:59:15 AM	MMDadoda	11/13/2025 11:54:40 AM	Peak Integrated by Software
Q3594-01DUP	VL043184.D	Tetrachloroethene	sam	11/13/2025 9:59:15 AM	MMDadoda	11/13/2025 11:54:40 AM	Peak Integrated by Software
Q3594-01DL	VL043185.D	2,2,4-Trimethylpentane	sam	11/13/2025 9:58:20 AM	MMDadoda	11/13/2025 11:54:43 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VL111125	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3594-01DL	VL043185.D	Acetone	sam	11/13/2025 9:58:20 AM	MMDadoda	11/13/2025 11:54:43 AM	Peak Integrated by Software
Q3594-01DL	VL043185.D	Cyclohexane	sam	11/13/2025 9:58:20 AM	MMDadoda	11/13/2025 11:54:43 AM	Peak Integrated by Software
Q3594-01DL	VL043185.D	Heptane	sam	11/13/2025 9:58:20 AM	MMDadoda	11/13/2025 11:54:43 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL101425

Review By	Semsettin Yesilyurt	Review On	10/14/2025 2:02:14 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/16/2025 4:41:37 AM				
SubDirectory	VL101425	HP Acquire Method	TO15AIR		HP Processing Method	VL101425AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2684
Initial Calibration Stds	AP2687,AP2688,AP2689
CCC	AP2687
Internal Standard/PEM	AP2684
ICV/I.BLK	AP2690
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043103.D	14 Oct 2025 08:42	SY/MD	Ok
2	VSTDICC0.5	VL043104.D	14 Oct 2025 09:57	SY/MD	Not Ok
3	VSTDICCC010	VL043105.D	14 Oct 2025 10:31	SY/MD	Ok,M
4	VSTDICC002	VL043106.D	14 Oct 2025 11:27	SY/MD	Ok,M
5	VSTDICC001	VL043107.D	14 Oct 2025 12:01	SY/MD	Ok,M
6	VSTDICC0.5	VL043108.D	14 Oct 2025 12:34	SY/MD	Ok,M
7	VSTDICC0.1	VL043109.D	14 Oct 2025 13:08	SY/MD	Ok,M
8	VSTDICC0.03	VL043110.D	14 Oct 2025 13:42	SY/MD	Ok,M
9	VSTDICC015	VL043111.D	14 Oct 2025 14:18	SY/MD	Ok,M
10	VSTDICV010	VL043112.D	14 Oct 2025 14:51	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL111125

Review By	Semsettin Yesilyurt	Review On	11/13/2025 9:59:48 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/13/2025 11:55:09 AM				
SubDirectory	VL111125	HP Acquire Method	TO15AIR		HP Processing Method	VL101425AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2684
Initial Calibration Stds	AP2687,AP2688,AP2689
CCC	AP2687
Internal Standard/PEM	AP2684
ICV/I.BLK	AP2690
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043179.D	11 Nov 2025 07:30	SY/MD	Ok
2	VSTDCCC010	VL043180.D	11 Nov 2025 08:15	SY/MD	Ok,M
3	VL1111ABL01	VL043181.D	11 Nov 2025 09:01	SY/MD	Ok
4	VL1111ABS01	VL043182.D	11 Nov 2025 09:44	SY/MD	Ok,M
5	Q3594-01	VL043183.D	11 Nov 2025 10:35	SY/MD	Dilution
6	Q3594-01DUP	VL043184.D	11 Nov 2025 11:09	SY/MD	Ok,M
7	Q3594-01DL	VL043185.D	11 Nov 2025 11:41	SY/MD	Ok,M
8	Q3530-15 0.45 MDL	VL043186.D	11 Nov 2025 12:13	SY/MD	Ok,M
9	Q3530-15 0.40 MDL	VL043187.D	11 Nov 2025 12:44	SY/MD	Ok,M
10	Q3530-15 0.1 MDL	VL043188.D	11 Nov 2025 13:16	SY/MD	Ok,M
11	Q3530-15 0.03 MDL	VL043189.D	11 Nov 2025 13:47	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL101425

Review By	Semsettin Yesilyurt	Review On	10/14/2025 2:02:14 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/16/2025 4:41:37 AM		
SubDirectory	VL101425	HP Acquire Method	TO15AIR	HP Processing Method	VL101425AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2684
Initial Calibration Stds	AP2687,AP2688,AP2689
CCC	AP2687
Internal Standard/PEM	AP2684
ICV/I.BLK	AP2690
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL043103.D	14 Oct 2025 08:42		SY/MD	Ok
2	VSTDICC0.5	VSTDICC0.5	VL043104.D	14 Oct 2025 09:57	not use	SY/MD	Not Ok
3	VSTDICCC010	VSTDICCC010	VL043105.D	14 Oct 2025 10:31		SY/MD	Ok,M
4	VSTDICC002	VSTDICC002	VL043106.D	14 Oct 2025 11:27		SY/MD	Ok,M
5	VSTDICC001	VSTDICC001	VL043107.D	14 Oct 2025 12:01		SY/MD	Ok,M
6	VSTDICC0.5	VSTDICC0.5	VL043108.D	14 Oct 2025 12:34		SY/MD	Ok,M
7	VSTDICC0.1	VSTDICC0.1	VL043109.D	14 Oct 2025 13:08		SY/MD	Ok,M
8	VSTDICC0.03	VSTDICC0.03	VL043110.D	14 Oct 2025 13:42		SY/MD	Ok,M
9	VSTDICC015	VSTDICC015	VL043111.D	14 Oct 2025 14:18		SY/MD	Ok,M
10	VSTDICV010	ICVVL101425	VL043112.D	14 Oct 2025 14:51		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL111125

Review By	Semsettin Yesilyurt	Review On	11/13/2025 9:59:48 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/13/2025 11:55:09 AM		
SubDirectory	VL111125	HP Acquire Method	TO15AIR	HP Processing Method	VL101425AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2684
Initial Calibration Stds	AP2687,AP2688,AP2689
CCC	AP2687
Internal Standard/PEM	AP2684
ICV/I.BLK	AP2690
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL043179.D	11 Nov 2025 07:30		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL043180.D	11 Nov 2025 08:15		SY/MD	Ok,M
3	VL1111ABL01	VL1111ABL01	VL043181.D	11 Nov 2025 09:01		SY/MD	Ok
4	VL1111ABS01	VL1111ABS01	VL043182.D	11 Nov 2025 09:44		SY/MD	Ok,M
5	Q3594-01	IA1A	VL043183.D	11 Nov 2025 10:35	Need 5X	SY/MD	Dilution
6	Q3594-01DUP	IA1ADUP	VL043184.D	11 Nov 2025 11:09		SY/MD	Ok,M
7	Q3594-01DL	IA1ADL	VL043185.D	11 Nov 2025 11:41		SY/MD	Ok,M
8	Q3530-15 0.45 MDL	MDL-AIR-03-QT4-2025	VL043186.D	11 Nov 2025 12:13		SY/MD	Ok,M
9	Q3530-15 0.40 MDL	MDL-AIR-03-QT4-2025	VL043187.D	11 Nov 2025 12:44		SY/MD	Ok,M
10	Q3530-15 0.1 MDL	MDL-AIR-03-QT4-2025	VL043188.D	11 Nov 2025 13:16		SY/MD	Ok,M
11	Q3530-15 0.03 MDL	MDL-AIR-03-QT4-2025	VL043189.D	11 Nov 2025 13:47		SY/MD	Ok,M

M : Manual Integration

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

Alliance Project No. : _____

Client Contact Information	Bottle Order ID : **B2511006**	Courier : F GALDUN	1 of 1 COCs
Client ID : **GFEL01** Project ID : ~~200 Reservoir St, Trenton NJ~~		Sampler Name(s) : FRANK GALDUN	Analysis / Matrix
Customer Name : **GFE LLC**	Project Manager : **FRANK GALDUN**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **58 Nokomis Ave**	Phone Number : **646-542-3465**		
	Fax Number : **973-334-1692**		
	Site Details: 74-16 CYPRESS HILLS RD GLENDALE, NY	Individual Certified	
City : **Lake Hiawatha**			
State : **NJ**	Analysis Turnaround Time 5 DAY		
Zip Code : **07034**	Standard : **10 ~~Business days~~** OR	Data Package Type : RESULTS ONLY	
Country :	Rush (Specify): 5 **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/Ambinet Air	Soil Gas		
IA1A	11/7/25	8:06	10:06	OVER 30	1	65	65	-30	-2.2	10226	10595	6 L	50	VL043082.D	1	1			

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

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

REPORT ONLY THOSE ANALYTES ON THE ATTACHED LIST

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low)

PID Readings: 0.0

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by:	Date/Time: 11/06/25	Canisters Received by:	Date/Time:		
Samples Relinquished by:	Date/Time: 11/10/25	Received by:	Date/Time: 11-10-25 1122		B2511006 - 1
Relinquished by:	Date/Time:	Received by:	Date/Time:		

REQUESTED ANALYTE LIST:

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

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

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

Laboratory: Chemtech
~~NAME~~:
Field Sample Seal No.: Q3594
Case No.: 74-16 Cypress Hill St, Glen

Location: 284 Sheffield Street, Mountainside, NJ 7092
Title: Sample Custodian
Date Broken: 11/10/2025
Military Time Seal Broken: 11:22:00
Analytical Parameter/Fraction: VOCMS Group2

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q3594-01	IA1A		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
11/10/25	13:00	Signature	Signature	
		Printed Name Cassandra Ferri	Printed Name Samantha Gerlach	
		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	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report) Yellow - Contractor Archive Pink - Sample Custodian - Interim Copy

CHEMTECH

284 Sheffield Street Mountainside, NJ 07092

AIR SAMPLE PRESSURE & DILUTION LOGBOOK

Analyst Signature: _____ Supervisor Signature: _____

METHOD: TO-15

Pressure Gauge ID: AZ 55971

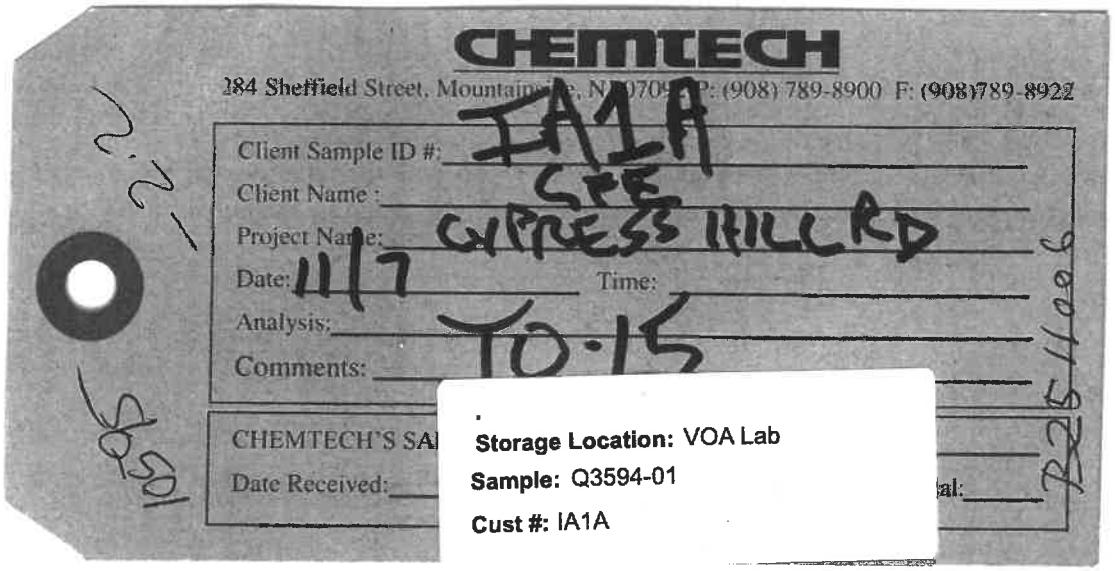
Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
11/10/15	Q3594-01	10595	13.6	-2.2				SV

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

Process Report

Order ID : Q3594

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
11/10/2025	B2511006	Q3594-01	-2.2	10595	6 L	10226		C2510001	**VL043082.D** Seq :VL100925 TUNE : VL043078.D ICAL : VL043037.D CCAL : VL043079.D MB : VL043080.D


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908) 789-8922
Client Sample ID #: IA1A
Client Name : SPE
Project Name: CYPRESS HILL RD
Date: 11/7 Time:
Analysis: TO-15
Comments:
CHEMTECH'S SA
Date Received:
Storage Location: VOA Lab
Sample: Q3594-01
Cust #: IA1A