SHIPPING DOCUMENTS

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

Alliance Project No. : Q2834

Client Contact Information	Bottle Order ID : **B2508016**	Courier : F. GALDUN	1 of 2 COCs
Client ID : **GFEL01** Project ID : ~~73[redacted] 2nd Ave, Brooklyn, NY~~		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: 64 2ND ST. BROOKLYN, NY	Individual Certified	
City : **Lake Hiawatha**			
State : **NJ**	Analysis Turnaround Time 7 DAYS		
Zip Code : **07034**	Standard : 10[redacted]ys **OR**	Data Package Type : RESULTS ONLY	
Country :	Rush (Specify): 7 **Days**	EDD Type : PDF	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
IA1	8/12/25	8:10	10:10	30	7	75	75	-30	-7.1	10579	10609	6 L	50	VL042598.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 : NJ

Canisters Shiped by: Sam FedEx	Date/Time: 8/11/25	Canisters Received by: CP	Date/Time: 8/12/25 10:52		
Samples Relinquished by:	Date/Time: 8/12/25	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by:	Date/Time:		B2508016 - 5

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Alliance Project No. : 2 2834

Client Contact Information	Bottle Order ID : **B2508016**	Courier : FGALDUN	2 of 2 COCs
Client ID : **GFEL01** Project ID : **739 Nostrand Ave, Brooklyn, NY**		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: 64 2ND ST. BROOKLYN, NY	Batch Certified	
City : **Lake Hiawatha**			
State : **NJ**	Analysis Turnaround Time 7 DAY		
Zip Code : **07034**	Standard : ~~10 Business days~~ **OR**	Data Package Type : RESULTS ONLY	
Country :	Rush (Specify): 7 **Days**	EDD Type : PDF	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum In Field ("Hg) (Start)	Can Vacuum In Field ("Hg). (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambinet Air	Soil Gas
SV1	8/12/25	8:09	10:09	-30	-5	74	75	-30	-5.9	10226	10604	6 L	50	VL042598.D	/		/

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: 8/11/25	Canisters Received by:		Date/Time: 8/12/25 0852	
Samples Relinquished by:	Date/Time: 8/12/25	Received by:		Date/Time:	B2508016 - 3
Relinquished by:	Date/Time:	Received by:		Date/Time:	

Date

PCE
TCE
cis-1,2-DCE
1,1-DCE
1,1,1-TCA
VINYL CHLORIDE
BENZENE
ETHYLBENZENE
NAPHTHALENE
CYCLOHEXANE
2,2,4-TRIMETHYLPENTANE
1,2,4-TRIMETHYLBENZENE
1,3,5-TRIMETHYLBENZENE
O-XYLENE
M,P-XYLENE
HEPTANE
HEXANE
TOLUENE

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

Laboratory Certification

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

QA Control Code: A2070148

DEP-077
Rev. 3/04

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:
Location: 284 Sheffield Street, Mountainside, NJ 7092
Title: Sample Custodian
Field Sample Seal No.: Q2834
Date Broken: 8/12/2025
Case No.: 64 2nd St., Brooklyn, NY
Analytical Parameter/Fraction: TO-15
Military Time Seal Broken: 10:52:00

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q2834-01	IA1		
Q2834-02	SV1		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
8/12/25	12:00	Signature	Signature	
		Printed Name Casanova Eric	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*

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q2834	**OrderDate:**	8/12/2025 11:20:00 AM
Client:	GFE LLC	**Project:**	64 2nd St., Brooklyn, NY
Contact:	Frank Galdun	**Location:**	--Select--,Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2834-01	**IA1**	**Air**			**08/12/25**			**08/12/25**
			VOCMS Group2	TO-15			08/13/25	
Q2834-02	**SV1**	**Air**			**08/12/25**			**08/13/25**
			VOCMS Group2	TO-15			08/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2834

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**IA1**							
Q2834-01	IA1	Air	Heptane	1.48	J	0.70	2.05	ug/m3
Q2834-01	IA1	Air	2,2,4-Trimethylpentane	1.92	J	0.65	2.34	ug/m3
Q2834-01	IA1	Air	Benzene	0.89	J	0.26	1.60	ug/m3
Q2834-01	IA1	Air	Toluene	17.7		0.60	1.88	ug/m3
Q2834-01	IA1	Air	Tetrachloroethene	2.44		0.14	0.20	ug/m3
Q2834-01	IA1	Air	Ethyl Benzene	1.61	J	0.83	2.17	ug/m3
Q2834-01	IA1	Air	m/p-Xylene	6.95		1.78	4.34	ug/m3
Q2834-01	IA1	Air	o-Xylene	3.52		0.91	2.17	ug/m3
Q2834-01	IA1	Air	1,3,5-Trimethylbenzene	3.39		0.88	2.46	ug/m3
Q2834-01	IA1	Air	1,2,4-Trimethylbenzene	8.85		0.88	2.46	ug/m3
Q2834-01	IA1	Air	Naphthalene	1.73		0.050	0.52	ug/m3
Q2834-01	IA1	Air	Hexane	12.3		0.56	1.76	ug/m3
			Total Voc :	62.8				
			Total Concentration:	62.8				
Client ID:	**SV1**							
Q2834-02	SV1	Air	Heptane	7.38	J	6.97	20.5	ug/m3
Q2834-02	SV1	Air	Toluene	20.7		6.03	18.8	ug/m3
Q2834-02	SV1	Air	Tetrachloroethene	3.25		1.02	2.03	ug/m3
Q2834-02	SV1	Air	Hexane	45.1		5.64	17.6	ug/m3
			Total Voc :	76.5				
			Total Concentration:	76.5				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2834

Client: GFE LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2794-01DUP	IA1DUP	1-Bromo-4-Fluorobenzene	10	10.3	103		65	135
Q2834-01	IA1	1-Bromo-4-Fluorobenzene	10	10.4	104		65	135
Q2834-02	SV1	1-Bromo-4-Fluorobenzene	10	10.2	102		65	135
VL0813ABL01	VL0813ABL01	1-Bromo-4-Fluorobenzene	10	10.0	100		65	135
VL0813ABS01	VL0813ABS01	1-Bromo-4-Fluorobenzene	10	10.1	101		65	135

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2834 **Analytical Method:** SWTO-15

Client: GFE LLC **Datafile :** VL042851.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0813ABS01	Vinyl Chloride	10	8.70	ppbv	87			70	130	
	Heptane	10	9.10	ppbv	91			70	130	
	1,1-Dichloroethene	10	9.40	ppbv	94			70	130	
	Cyclohexane	10	9.30	ppbv	93			70	130	
	cis-1,2-Dichloroethene	10	9.20	ppbv	92			70	130	
	1,1,1-Trichloroethane	10	9.40	ppbv	94			70	130	
	2,2,4-Trimethylpentane	10	9.00	ppbv	90			70	130	
	Benzene	10	9.40	ppbv	94			70	130	
	Trichloroethene	10	8.90	ppbv	89			70	130	
	Toluene	10	9.20	ppbv	92			70	130	
	Tetrachloroethene	10	8.40	ppbv	84			70	130	
	Ethyl Benzene	10	9.40	ppbv	94			70	130	
	m/p-Xylene	20	18.8	ppbv	94			70	130	
	o-Xylene	10	9.30	ppbv	93			70	130	
	1,3,5-Trimethylbenzene	10	9.20	ppbv	92			70	130	
	1,2,4-Trimethylbenzene	10	9.00	ppbv	90			70	130	
	Naphthalene	10	8.90	ppbv	89			70	130	
	Hexane	10	9.20	ppbv	92			70	130	

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Duplicate Sample Summary

Lab Sample Id :	Q2794-01DUP		Q2794-01	
Client Id :	IA1DUP		IA1	
DF :	1		1	
Datafile :	VL042856.D		VL042855.D	
Anal Date & Time :	08/13/2025	17:43	08/13/2025	17:05

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trimethylbenzene	1.8	1.9	5.4
1,3,5-Trimethylbenzene	0.49	0.48	2.1
2,2,4-Trimethylpentane	2.3	2.3	0
Benzene	1.3	1.2	8
cis-1,2-Dichloroethene	0	0	0
Cyclohexane	1	1	0
Ethyl Benzene	1.7	1.6	6.1
Heptane	1.6	1.6	0
Hexane	2.4	2.3	4.3
m/p-Xylene	5.4	5.2	3.8
Naphthalene	1.1	1	9.5
o-Xylene	2.1	2	4.9
Tetrachloroethene	0.05	0.05	0
Toluene	11	10.9	0.91
Trichloroethene	0	0	0
Vinyl Chloride	0	0	0

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VOLATILE METHOD BLANK SUMMARY

Client ID: IA1DUP

Lab Name: Alliance Contract: GFEL01

Lab Code: ACE SDG NO.: Q2834

Lab File ID: VL042856.D Lab Sample ID: Q2794-01DUP

Date Analyzed: 08/13/2025 Time Analyzed: 17:43

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

Instrument ID: MSVOA_L

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
IA1DUP	Q2794-01DUP	VL042856.D	08/13/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VL0813ABL01

Lab Name: Alliance | Contract: GFEL01

Lab Code: ACE | SDG NO.: Q2834

Lab File ID: VL042850.D | Lab Sample ID: VL0813ABL01

Date Analyzed: 08/13/2025 | Time Analyzed: 13:46

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
VL0813ABS01	VL0813ABS01	VL042851.D	08/13/2025
IA1	Q2834-01	VL042861.D	08/13/2025
SV1	Q2834-02	VL042862.D	08/13/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GFEL01

Lab Code: ACE | SDG NO.: Q2834

Lab File ID: VL042841.D | BFB Injection Date: 08/13/2025

Instrument ID: MSVOA_L | BFB Injection Time: 07:45

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	20.8
75	30.0 - 66.0% of mass 95	53.1
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	0.3 (0.4) 1
174	50.0 - 120.0% of mass 95	62
175	4.0 - 9.0% of mass 174	4.5 (7.3) 1
176	93.0 - 101.0% of mass 174	60 (96.7) 1
177	5.0 - 9.0% of mass 176	3.7 (6.1) 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	VL042842.D	08/13/2025	08:30
VSTDICC002	VSTDICC002	VL042843.D	08/13/2025	09:06
VSTDICC001	VSTDICC001	VL042844.D	08/13/2025	09:41
VSTDICC0.5	VSTDICC0.5	VL042845.D	08/13/2025	10:17
VSTDICC0.1	VSTDICC0.1	VL042846.D	08/13/2025	10:53
VSTDICC0.03	VSTDICC0.03	VL042847.D	08/13/2025	11:30
VSTDICC015	VSTDICC015	VL042848.D	08/13/2025	12:06
VL0813ABL01	VL0813ABL01	VL042850.D	08/13/2025	13:46
VL0813ABS01	VL0813ABS01	VL042851.D	08/13/2025	14:32
IA1DUP	Q2794-01DUP	VL042856.D	08/13/2025	17:43
IA1	Q2834-01	VL042861.D	08/13/2025	20:49
SV1	Q2834-02	VL042862.D	08/13/2025	21:26

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GFEL01

Lab Code: ACE SDG NO.: Q2834

Lab File ID: VL042842.D Date Analyzed: 08/13/2025

Instrument ID: MSVOA_L Time Analyzed: 08:30

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	133104	2.79	413632	3.97	370372	8.89
UPPER LIMIT	186346	3.12	579085	4.30	518521	9.22
LOWER LIMIT	79862.4	2.46	248179	3.64	222223	8.56
EPA SAMPLE NO.						
IA1DUP	128396	2.79	393431	3.97	334635	8.90
IA1	126603	2.80	371881	3.98	316310	8.90
SV1	126696	2.79	384213	3.97	328630	8.89
VL0813ABL01	119946	2.79	373094	3.97	324853	8.89
VL0813ABS01	116881	2.79	368200	3.97	322291	8.90

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:	08/12/25
Project:	64 2nd St., Brooklyn, NY	Date Received:	08/12/25
Client Sample ID:	IA1	SDG No.:	Q2834
Lab Sample ID:	Q2834-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042861.D	1		08/13/25 20:49	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
142-82-5	Heptane	0.36	1.48	J	0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.41	1.92	J	0.65	2.34	ug/m3
71-43-2	Benzene	0.28	0.89	J	0.26	1.60	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
108-88-3	Toluene	4.70	17.7		0.60	1.88	ug/m3
127-18-4	Tetrachloroethene	0.36	2.44		0.14	0.20	ug/m3
100-41-4	Ethyl Benzene	0.37	1.61	J	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	1.60	6.95		1.78	4.34	ug/m3
95-47-6	o-Xylene	0.81	3.52		0.91	2.17	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.69	3.39		0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85		0.88	2.46	ug/m3
91-20-3	Naphthalene	0.33	1.73		0.050	0.52	ug/m3
110-54-3	Hexane	3.50	12.3		0.56	1.76	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135	104%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	127000		2.8			
540-36-3	1,4-Difluorobenzene	372000		3.975			
3114-55-4	Chlorobenzene-d5	316000		8.898			

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\VL081325\
Data File : VL042861.D
Acq On : 13 Aug 2025 20:49
Operator : SY/MD
Sample : Q2834-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 02:22:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	126603	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	371881	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	316310	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	247433	10.430	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	7873	0.424	ppbv	98
3) Chlorodifluoromethane	1.479	51	10823m	0.528	ppbv	
4) Chloromethane	1.534	50	3451	0.461	ppbv	95
9) Propene	1.489	41	7453	0.841	ppbv	89
10) Heptane	5.001	43	8615m	0.363	ppbv	
11) Trichlorofluoromethane	1.884	101	4312	0.236	ppbv	85
13) Ethanol	1.729	45	59666	73.674	ppbv	94
15) Acetone	1.842	43	492169	29.388	ppbv	99
17) tert-Butyl alcohol	2.052	59	4433	0.223	ppbv #	71
19) Isopropyl Alcohol	1.894	45	63612	6.359	ppbv #	1
20) Methylene Chloride	2.068	84	55916	7.970	ppbv	89
26) Hexane	2.836	57	65075	3.478	ppbv #	55
29) Chloroform	2.865	83	3856m	0.144	ppbv	
30) Cyclohexane	3.871	84	3194m	0.195	ppbv	
34) 2-Butanone	2.567	43	51523	2.052	ppbv	99
35) Carbon Tetrachloride	3.771	117	1901m	0.074	ppbv	
36) Benzene	3.667	78	9832	0.276	ppbv	98
37) 1,2-Dichloroethane	3.230	62	6821	0.367	ppbv	98
41) Tetrahydrofuran	3.072	42	8649m	0.618	ppbv	
44) 2,2,4-Trimethylpentane	4.658	57	24827	0.411	ppbv #	82
50) 4-Methyl-2-Pentanone	5.787	43	23984m	0.707	ppbv	
52) Tetrachloroethene	8.247	164	4663m	0.362	ppbv	
53) Toluene	6.953	91	197342m	4.661	ppbv	
58) Ethyl Benzene	9.370	91	20426	0.366	ppbv	97
59) m/p-Xylene	9.545	91	71285	1.629	ppbv #	100
60) o-Xylene	9.976	91	35539	0.807	ppbv	97
61) Styrene	9.885	104	10873	0.527	ppbv	95
64) n-propylbenzene	11.002	120	3809	0.232	ppbv	80
65) tert-Butylbenzene	11.549	119	11019	0.194	ppbv #	41
69) p-Isopropyltoluene	11.937	119	38968	0.570	ppbv	95
72) 4-Ethyltoluene	11.134	105	20240	0.379	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.215	105	31153	0.687	ppbv	90
74) 1,2,4-Trimethylbenzene	11.545	105	90034	1.808	ppbv #	61
79) Naphthalene	13.523	128	15027	0.333	ppbv #	87

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

Quantitation Report (QT Reviewed)

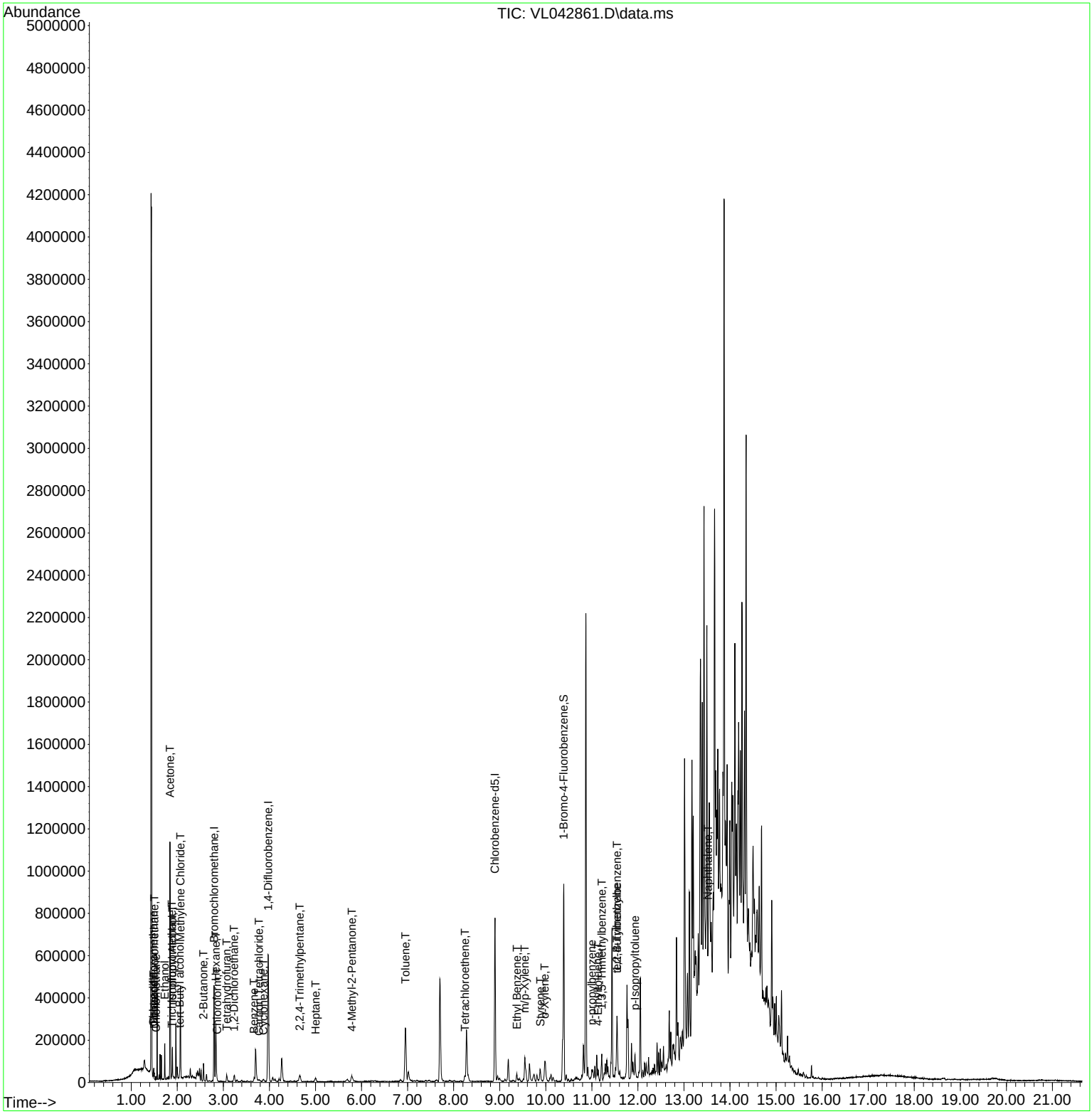
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042861.D
Acq On : 13 Aug 2025 20:49
Operator : SY/MD
Sample : Q2834-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

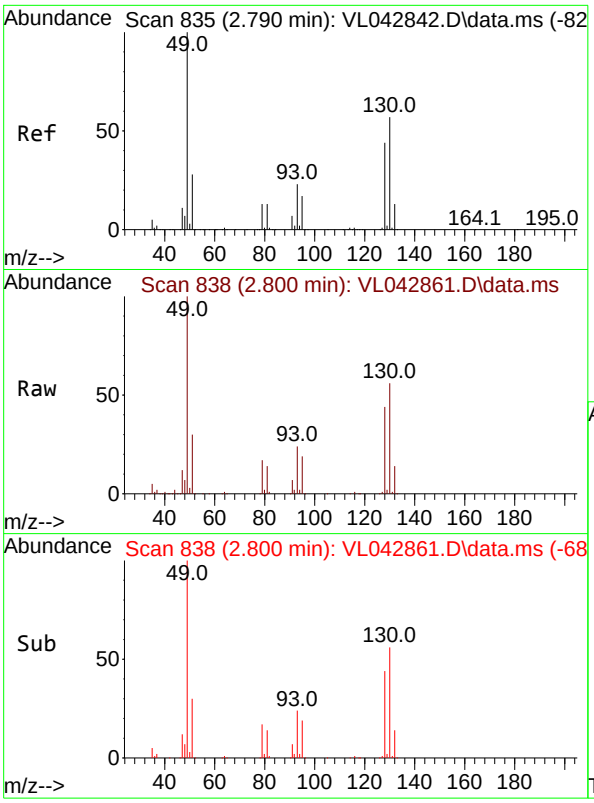
Quant Time: Aug 14 02:22:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

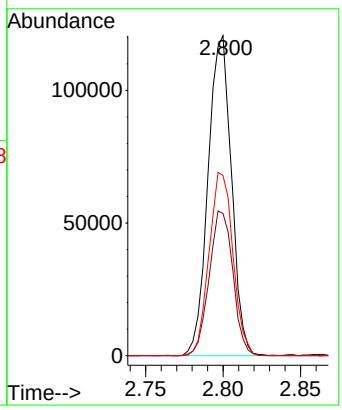




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 49 Resp: 12660

Ion	Ratio	Lower	Upper
49	100		
128	45.8	23.7	71.1
130	58.5	30.6	91.6



Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

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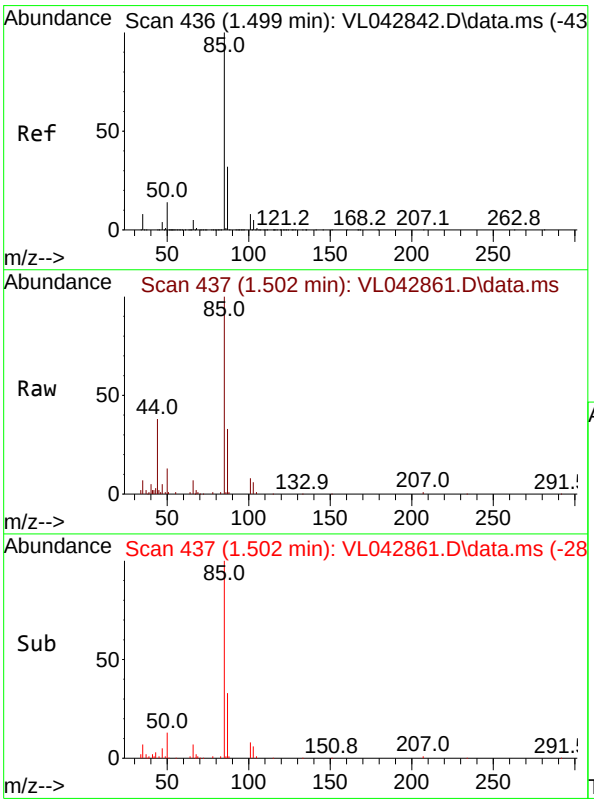
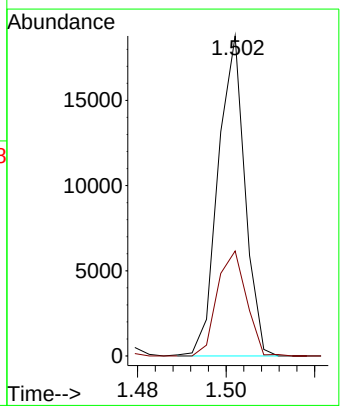
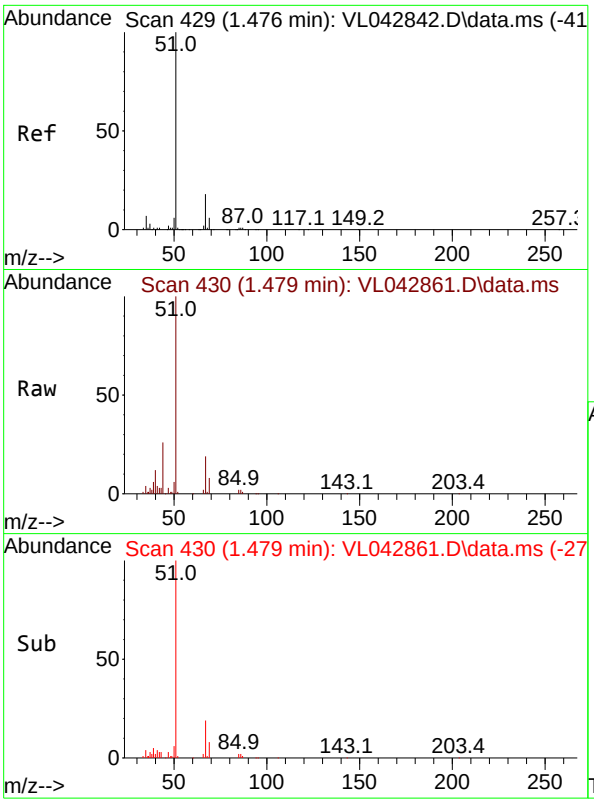


#2
Dichlorodifluoromethane
Concen: 0.424 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 85 Resp: 7873

Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.3	37.9

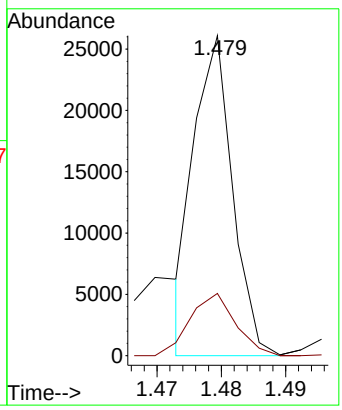




#3
Chlorodifluoromethane
Concen: 0.528 ppbv m
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 51 Resp: 1082

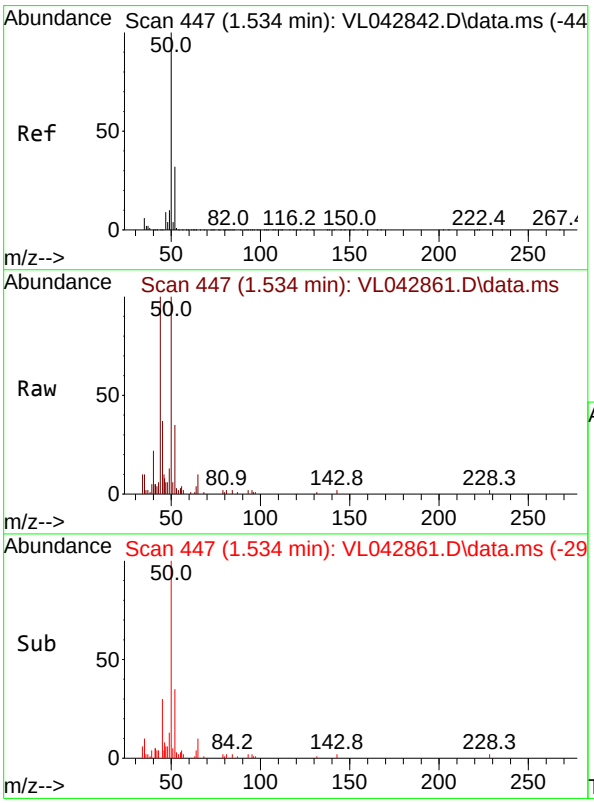
Ion	Ratio	Lower	Upper
51	100		
67	23.6	14.9	22.3#



Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

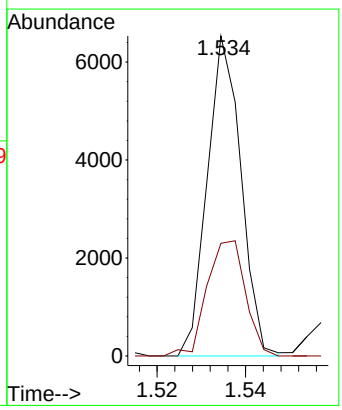
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

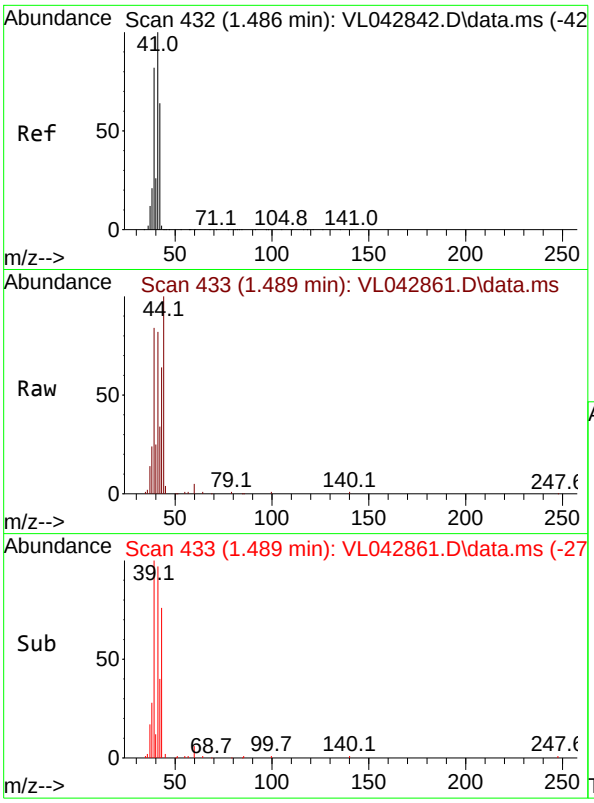


#4
Chloromethane
Concen: 0.461 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 50 Resp: 3451

Ion	Ratio	Lower	Upper
50	100		
52	35.2	25.9	38.9





#9
Propene
Concen: 0.841 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

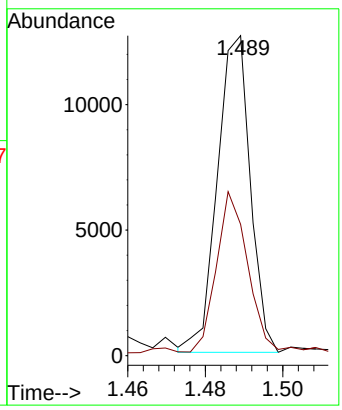
Tgt Ion: 41 Resp: 745

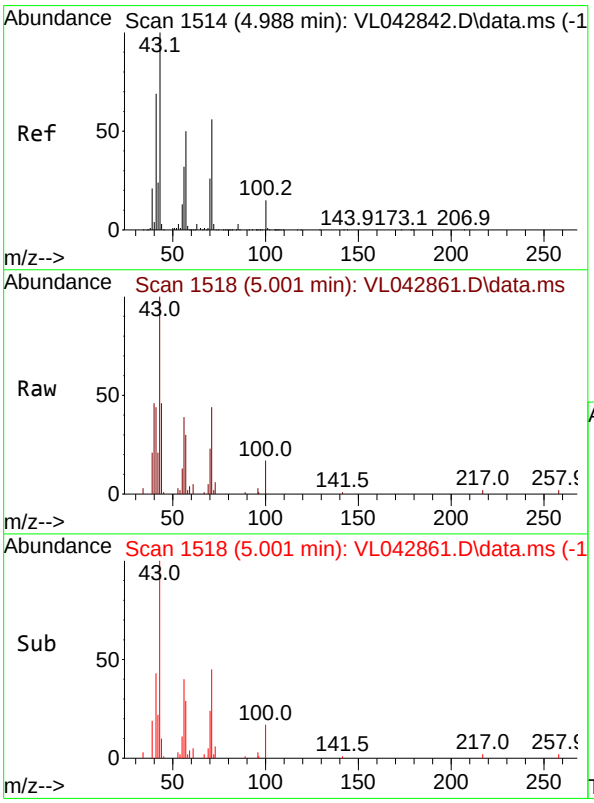
Ion	Ratio	Lower	Upper
41	100		
42	57.8	53.0	79.4

Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

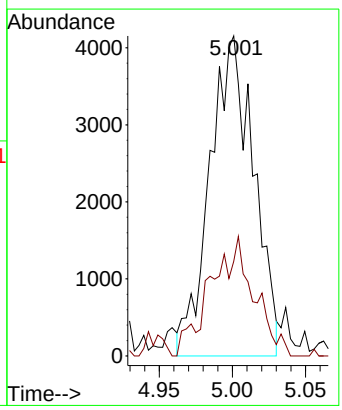


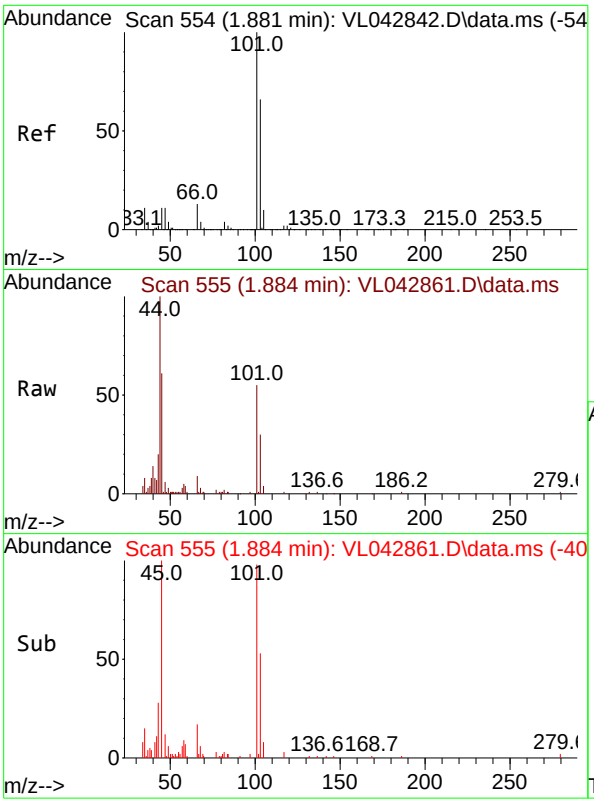


#10
Heptane
Concen: 0.363 ppbv m
RT: 5.001 min Scan# 1518
Delta R.T. 0.013 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 43 Resp: 8615

Ion	Ratio	Lower	Upper
43	100		
57	41.0	41.4	62.0#

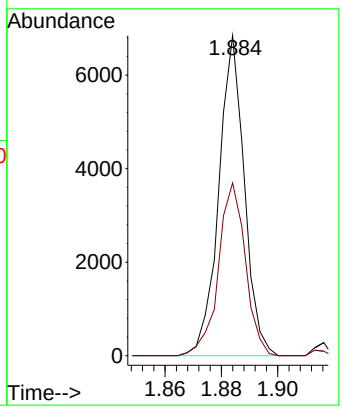




#11
Trichlorofluoromethane
Concen: 0.236 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:101 Resp: 431

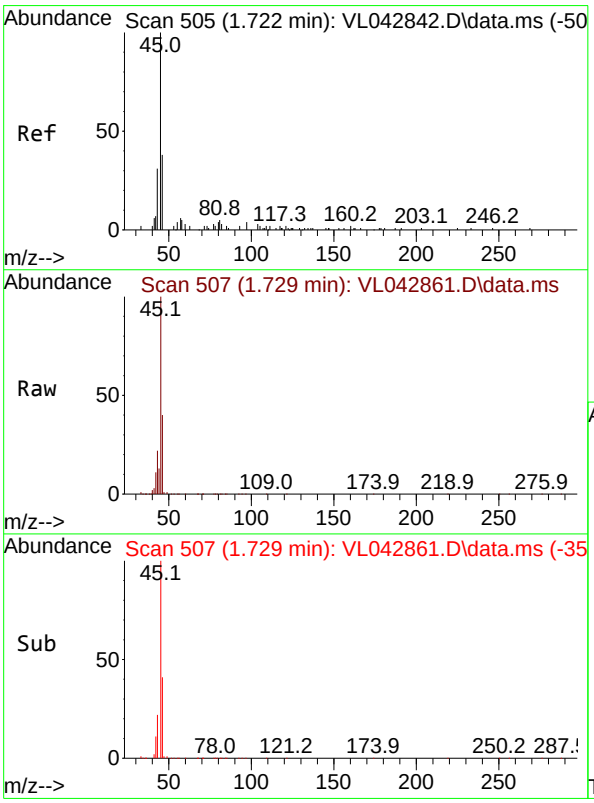
Ion	Ratio	Lower	Upper
101	100		
103	54.0	52.5	78.7



Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

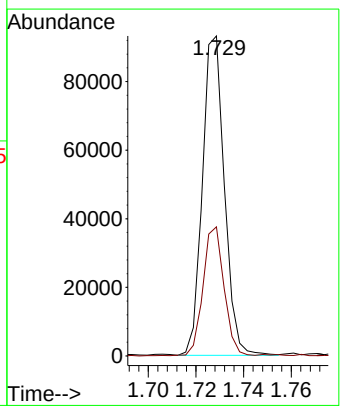
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

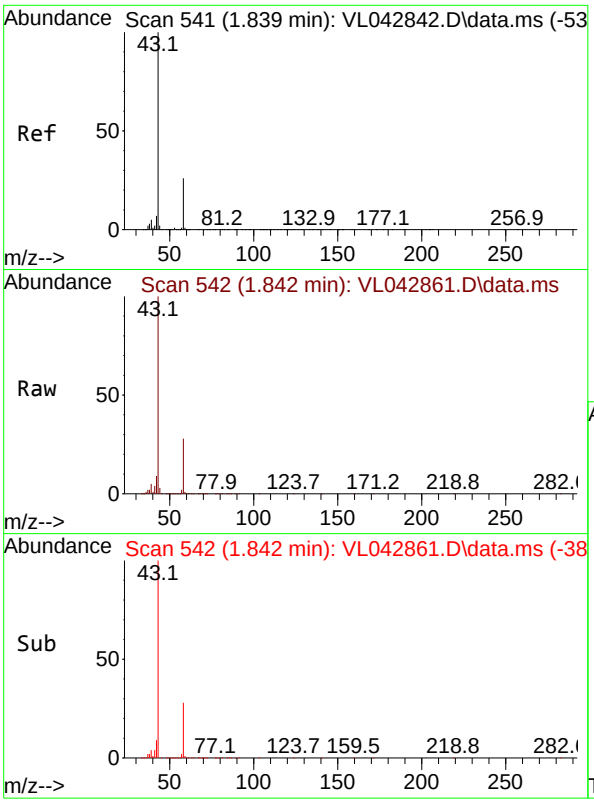


#13
Ethanol
Concen: 73.674 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 45 Resp: 59666

Ion	Ratio	Lower	Upper
45	100		
46	39.6	17.5	69.9





#15
Acetone
Concen: 29.388 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

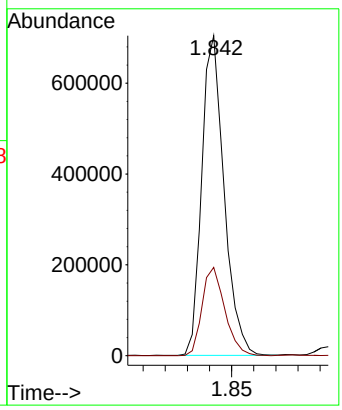
Tgt Ion: 43 Resp: 49216

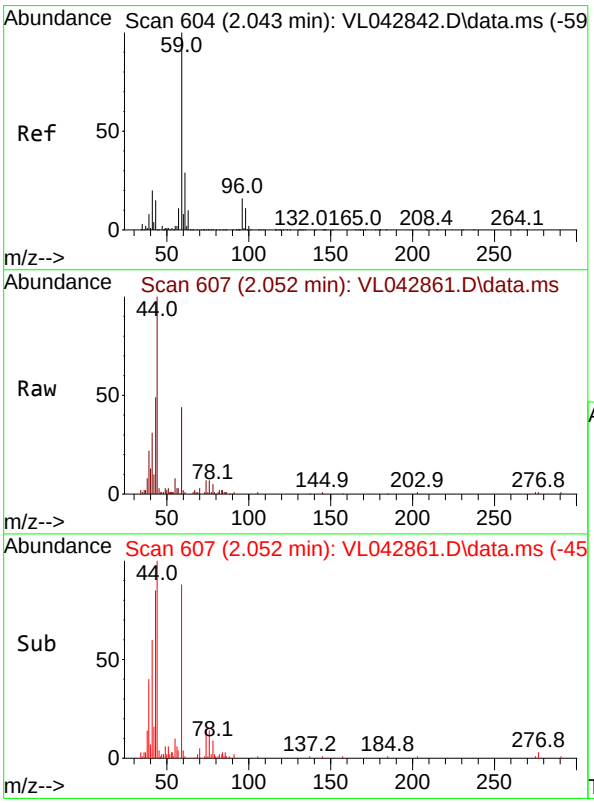
Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.4	33.6

Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

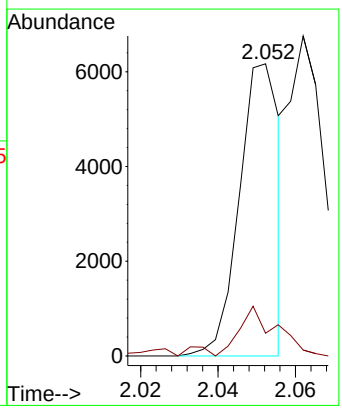


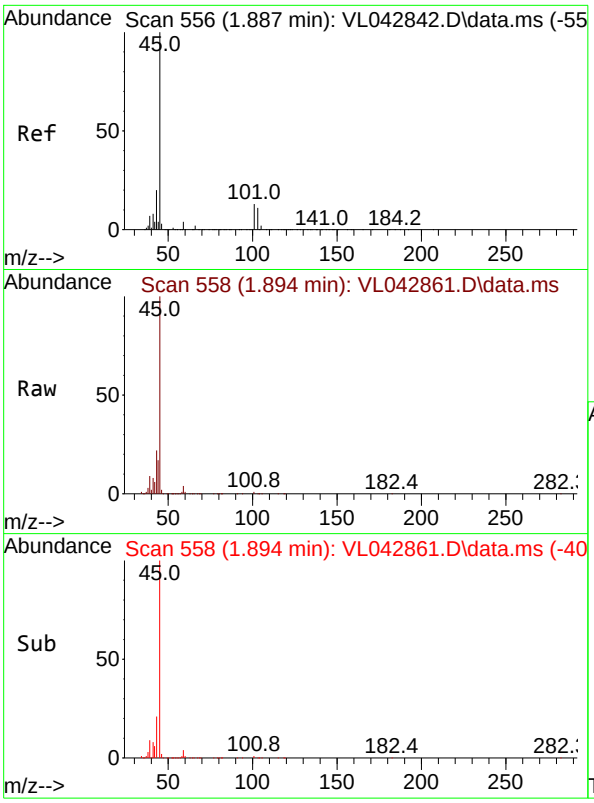


#17
tert-Butyl alcohol
Concen: 0.223 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.010 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 59 Resp: 4433

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.4#





#19
Isopropyl Alcohol
Concen: 6.359 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 45 Resp: 6361

Ion	Ratio	Lower	Upper
45	100		
58	220.4	32.7	49.1#

Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
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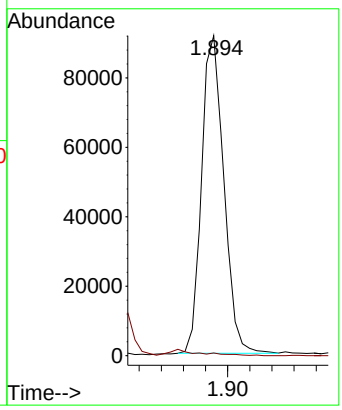
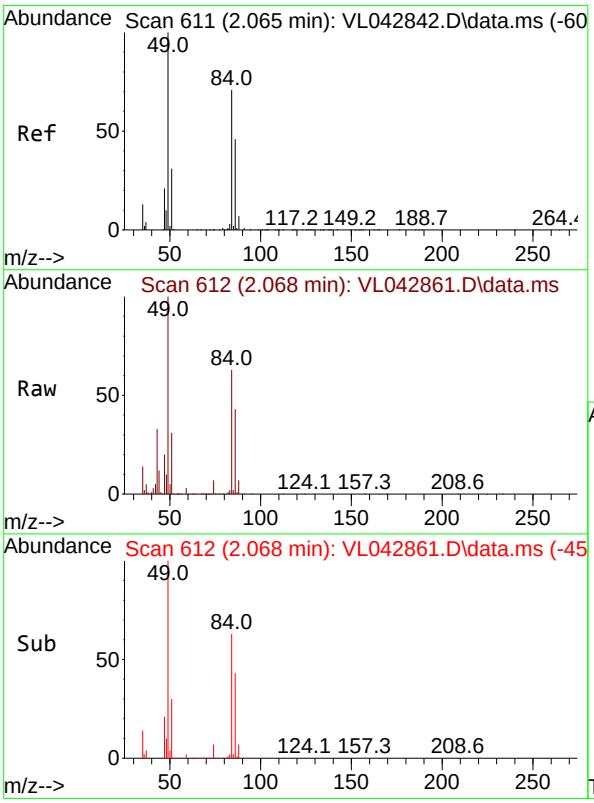
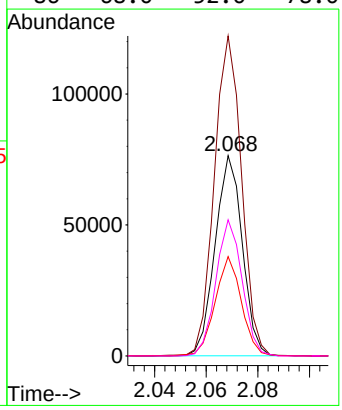


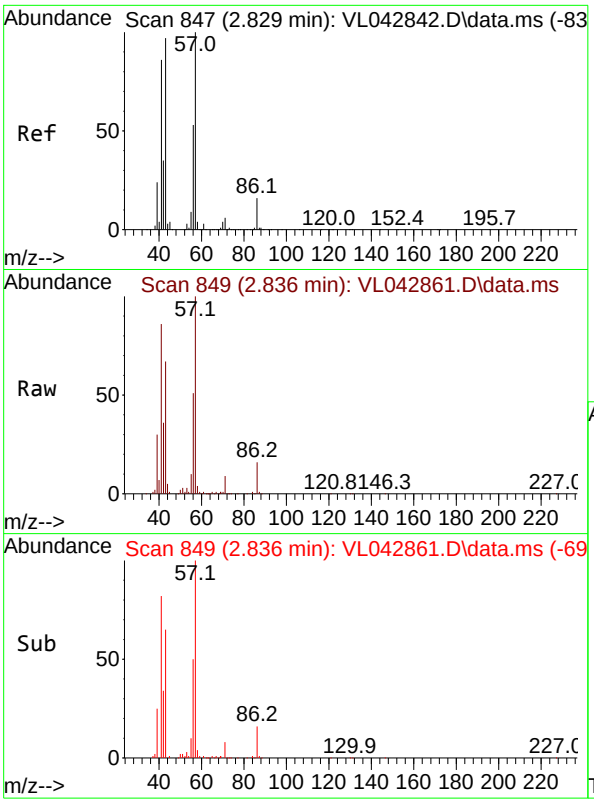


#20
Methylene Chloride
Concen: 7.970 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 84 Resp: 55916

Ion	Ratio	Lower	Upper
84	100		
49	159.5	112.3	168.5
51	49.5	36.0	54.0
86	68.0	52.0	78.0

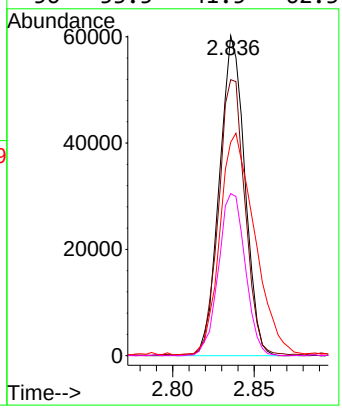




#26
Hexane
Concen: 3.478 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 57 Resp: 6507

Ion	Ratio	Lower	Upper
57	100		
41	90.0	68.6	103.0
43	96.7	168.5	252.7#
56	53.5	41.5	62.3



Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

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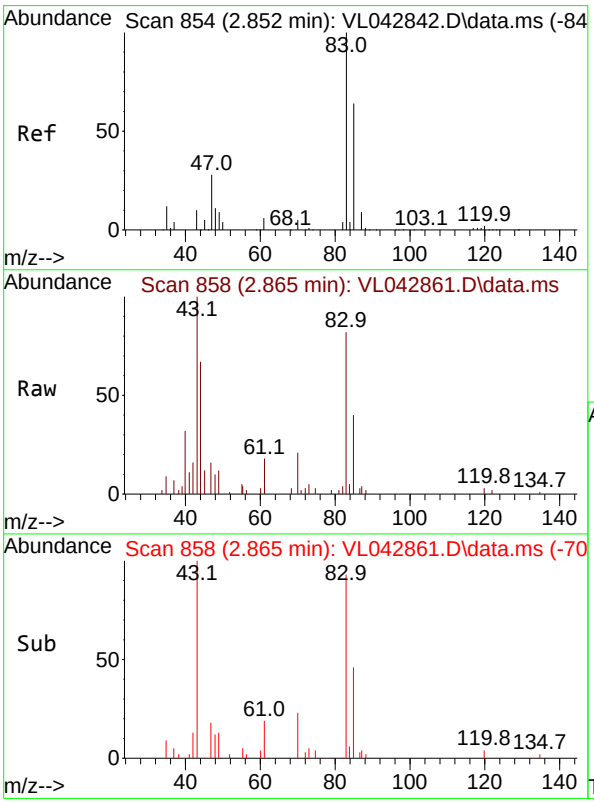
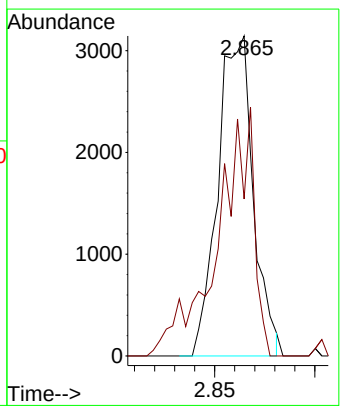
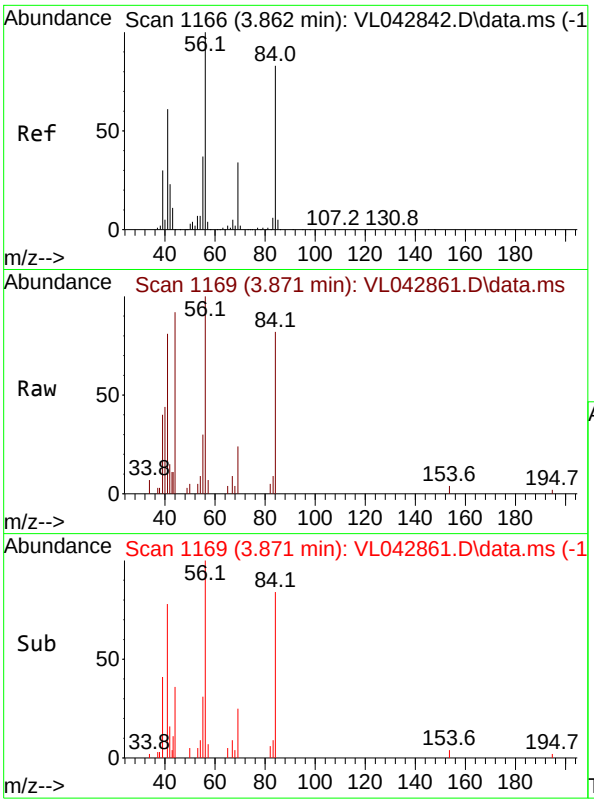


#29
Chloroform
Concen: 0.144 ppbv m
RT: 2.865 min Scan# 858
Delta R.T. 0.013 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 83 Resp: 3856

Ion	Ratio	Lower	Upper
83	100		
85	49.1	51.1	76.7#





#30
Cyclohexane
Concen: 0.195 ppbv m
RT: 3.871 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 84 Resp: 319

Ion	Ratio	Lower	Upper
84	100		
56	0.0	98.8	148.2#
41	0.0	61.3	91.9#

Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

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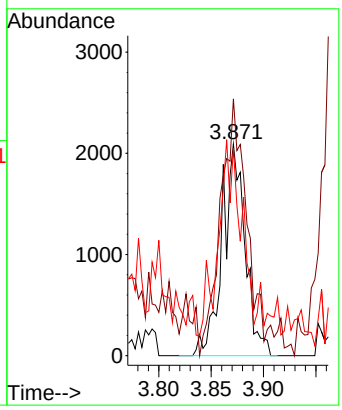
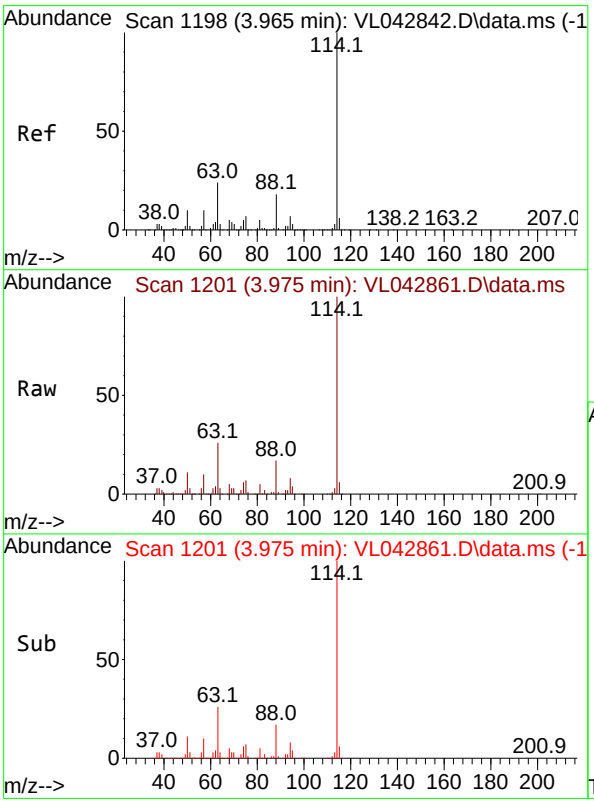
Supervised By :Mahesh Dadoda 08/18/2025

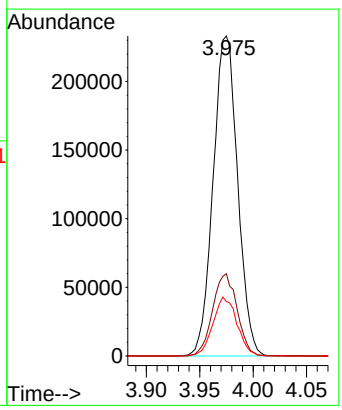


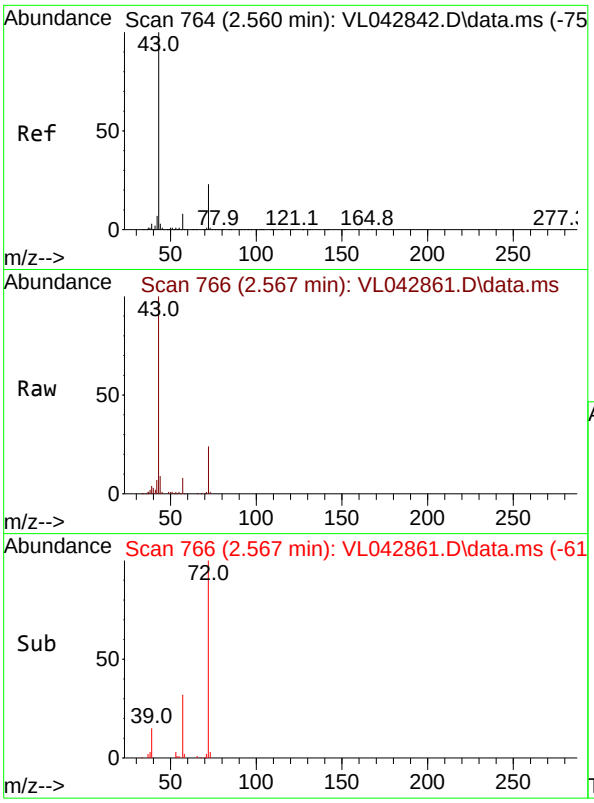


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.010 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:114 Resp: 371881

Ion	Ratio	Lower	Upper
114	100		
63	25.7	19.7	29.5
88	18.0	14.4	21.6





#34
2-Butanone
Concen: 2.052 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 43 Resp: 5152

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.6	28.0

Instrument :
MSVOA_L
ClientSampleId :
IA1

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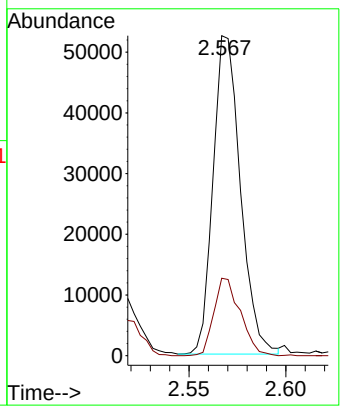
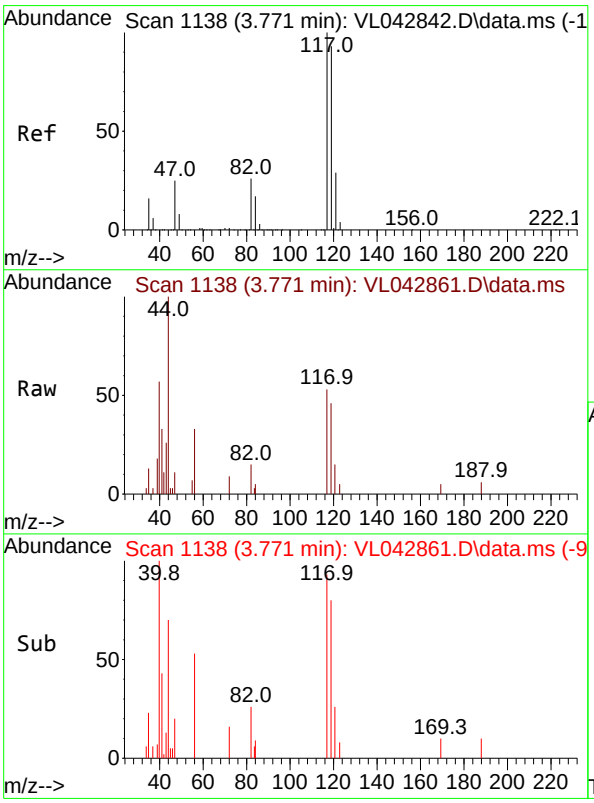
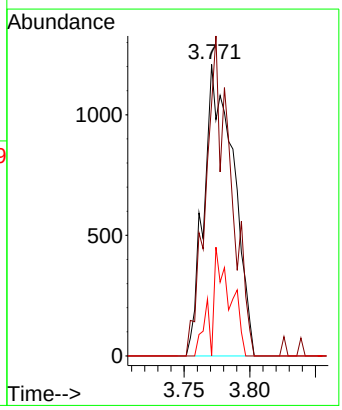


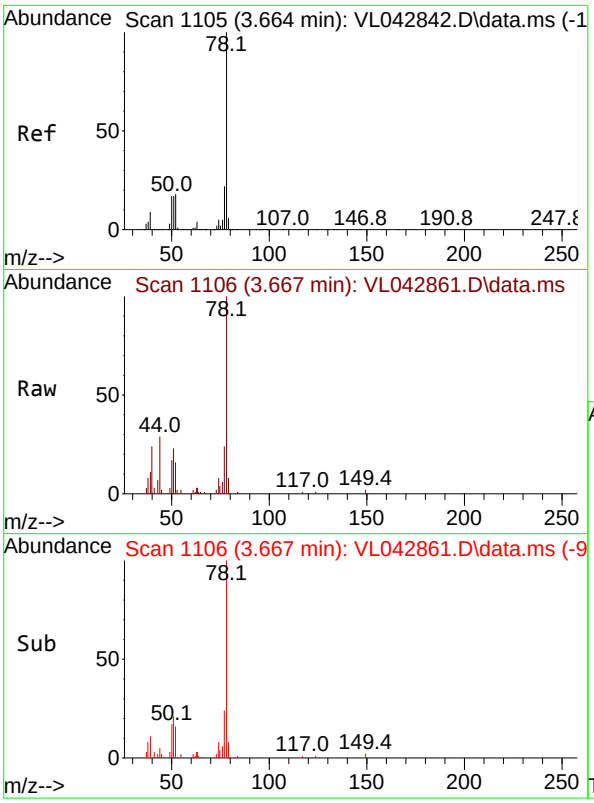


#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 3.771 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:117 Resp: 1901

Ion	Ratio	Lower	Upper
117	100		
119	86.7	74.7	112.1
121	0.0	23.2	34.8#

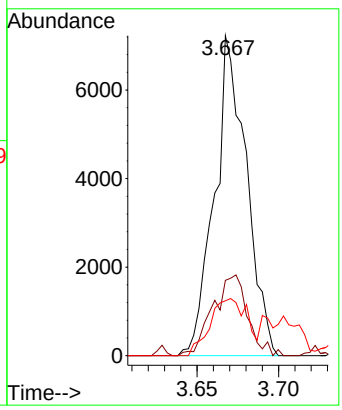




#36
Benzene
Concen: 0.276 ppbv
RT: 3.667 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 78 Resp: 983

Ion	Ratio	Lower	Upper
78	100		
77	23.5	17.7	26.5
50	17.1	13.9	20.9



Instrument :
MSVOA_L
ClientSampleId :
IA1

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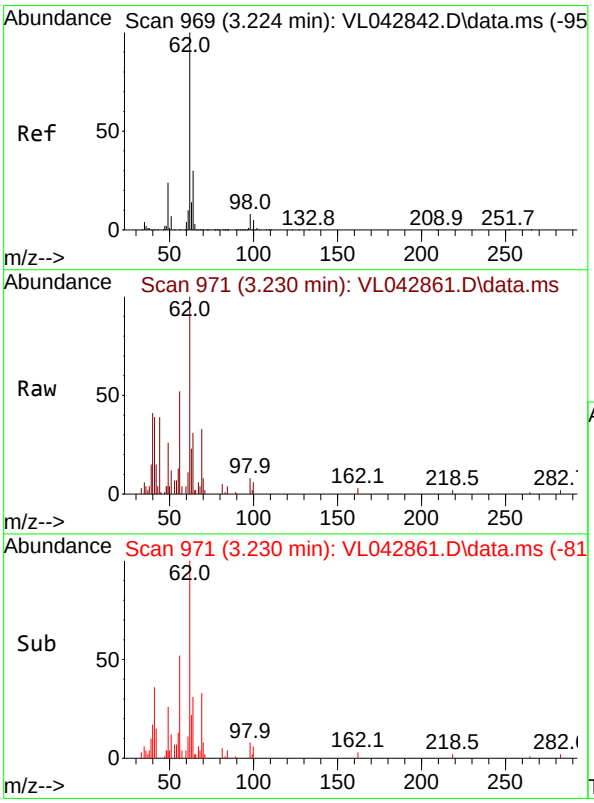
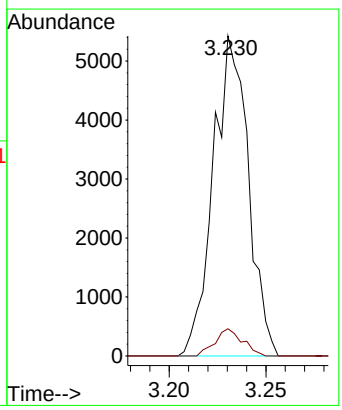
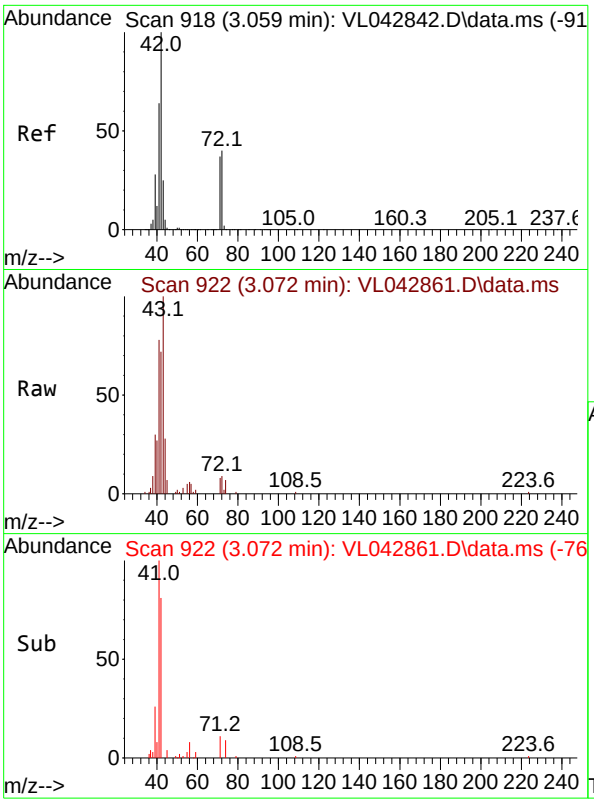


#37
1,2-Dichloroethane
Concen: 0.367 ppbv
RT: 3.230 min Scan# 971
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 62 Resp: 6821

Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.9	8.9





#41
Tetrahydrofuran
Concen: 0.618 ppbv m
RT: 3.072 min Scan# 9
Delta R.T. 0.013 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 42 Resp: 864

Ion	Ratio	Lower	Upper
42	100		
72	16.5	32.6	48.8#
71	0.0	30.0	45.0#

Instrument :
MSVOA_L
ClientSampleId :
IA1

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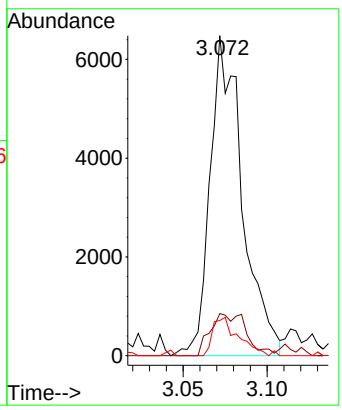
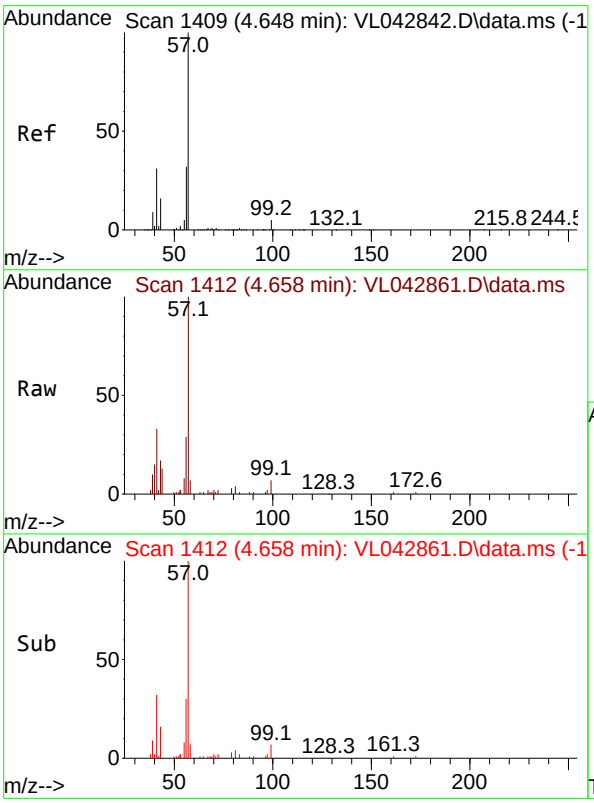
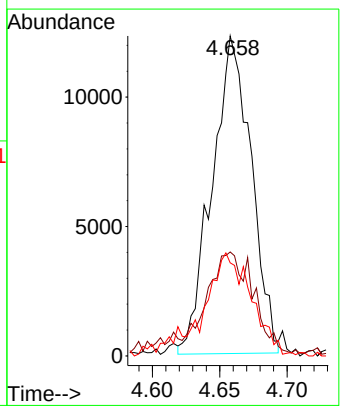


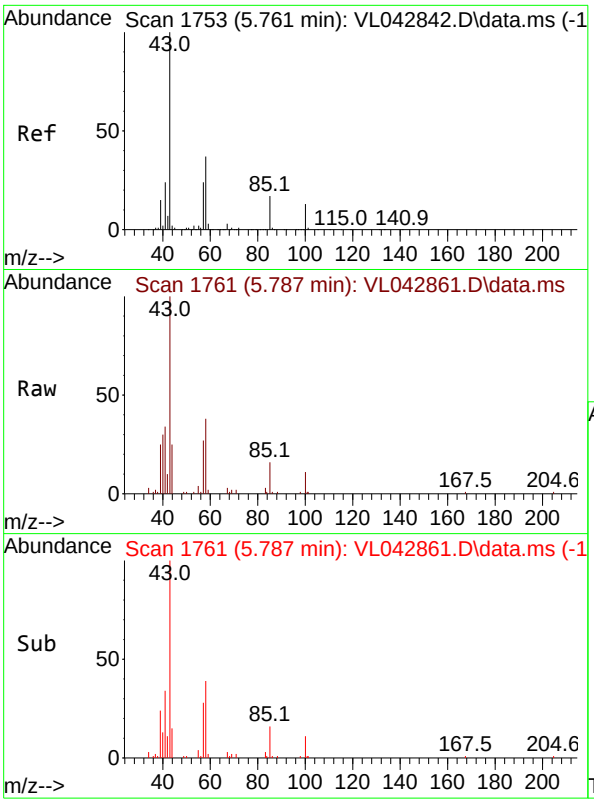


#44
2,2,4-Trimethylpentane
Concen: 0.411 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. 0.010 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 57 Resp: 24827

Ion	Ratio	Lower	Upper
57	100		
41	41.7	24.8	37.2#
56	41.1	25.5	38.3#

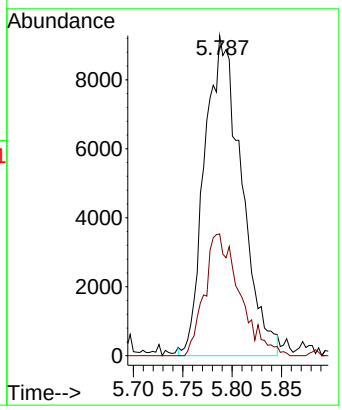




#50
4-Methyl-2-Pentanone
Concen: 0.707 ppbv m
RT: 5.787 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 43 Resp: 2398

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.8	44.8#



Instrument :
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ClientSampleId :
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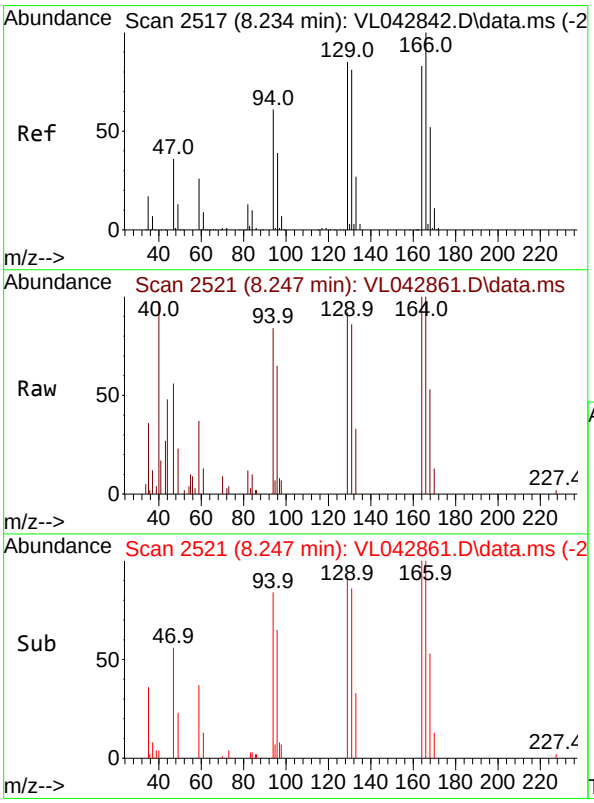
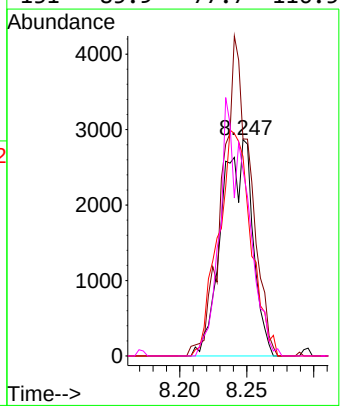
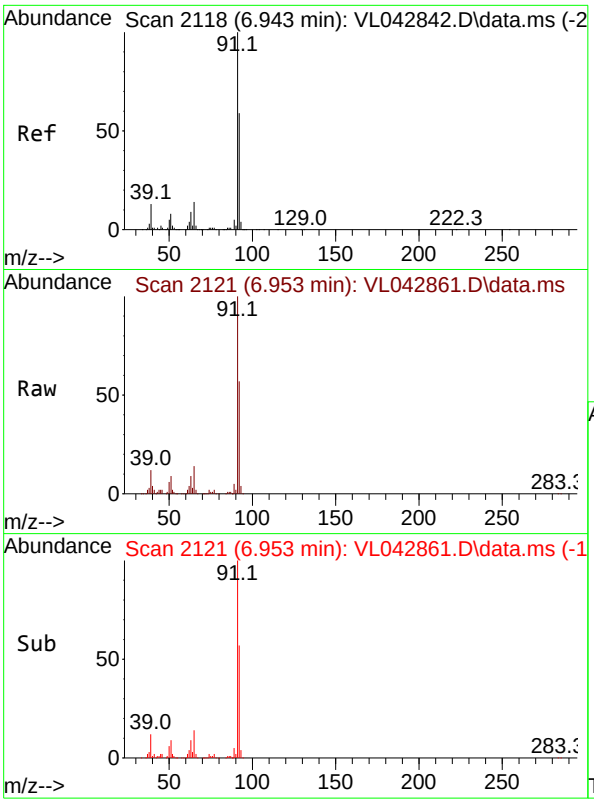


#52
Tetrachloroethene
Concen: 0.362 ppbv m
RT: 8.247 min Scan# 2521
Delta R.T. 0.013 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:164 Resp: 4663

Ion	Ratio	Lower	Upper
164	100		
166	100.3	96.5	144.7
129	92.1	81.8	122.6
131	85.9	77.7	116.5





#53
Toluene
Concen: 4.661 ppbv m
RT: 6.953 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 91 Resp: 19734

Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.8	71.6

Instrument :
MSVOA_L
ClientSampleId :
IA1

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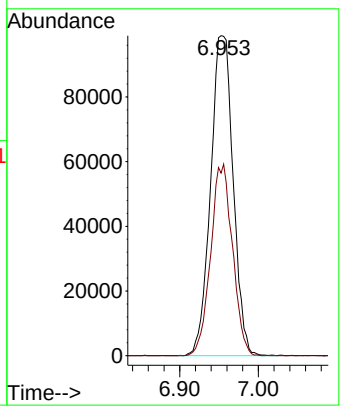
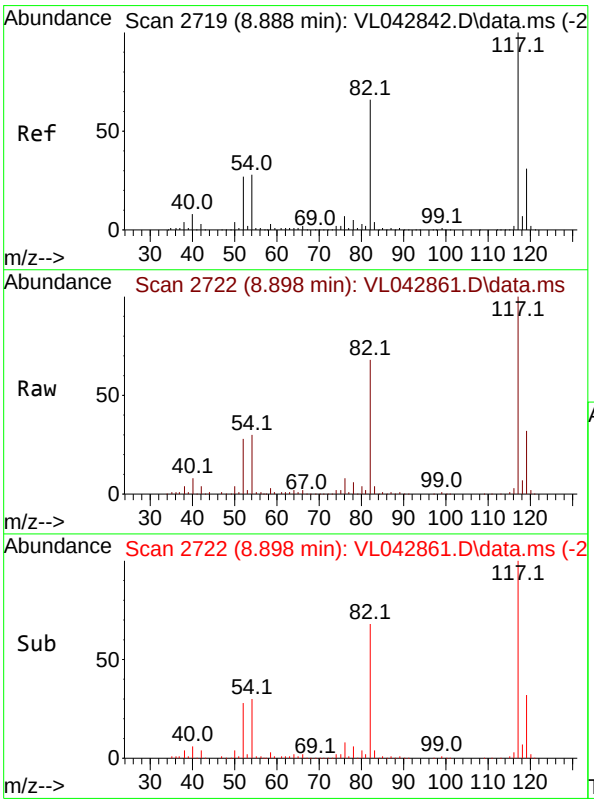
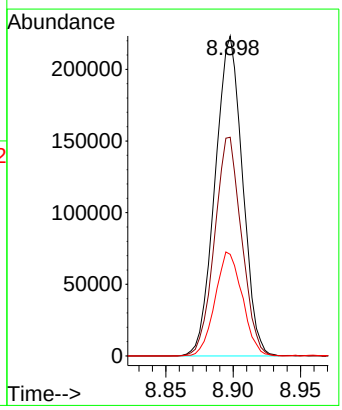


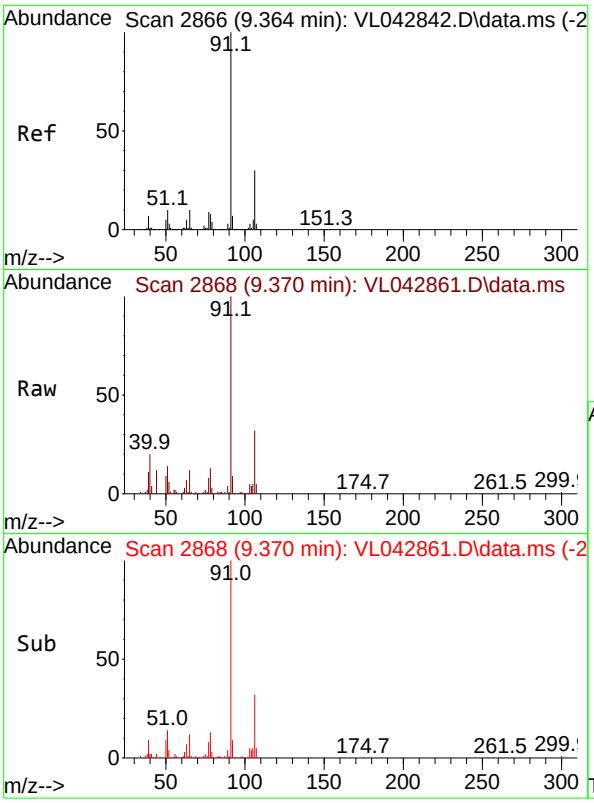


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. 0.010 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:117 Resp: 316310

Ion	Ratio	Lower	Upper
117	100		
82	67.4	54.6	81.8
119	32.3	25.9	38.9





#58
Ethyl Benzene
Concen: 0.366 ppbv
RT: 9.370 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 91 Resp: 2042

Ion	Ratio	Lower	Upper
91	100		
106	31.5	23.9	35.9

Instrument :
MSVOA_L
ClientSampleId :
IA1

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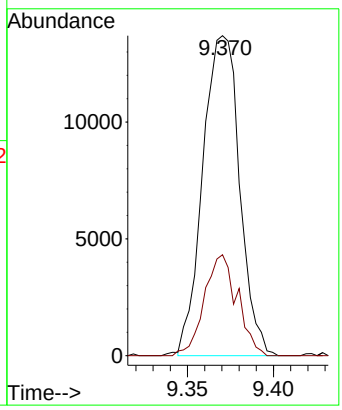
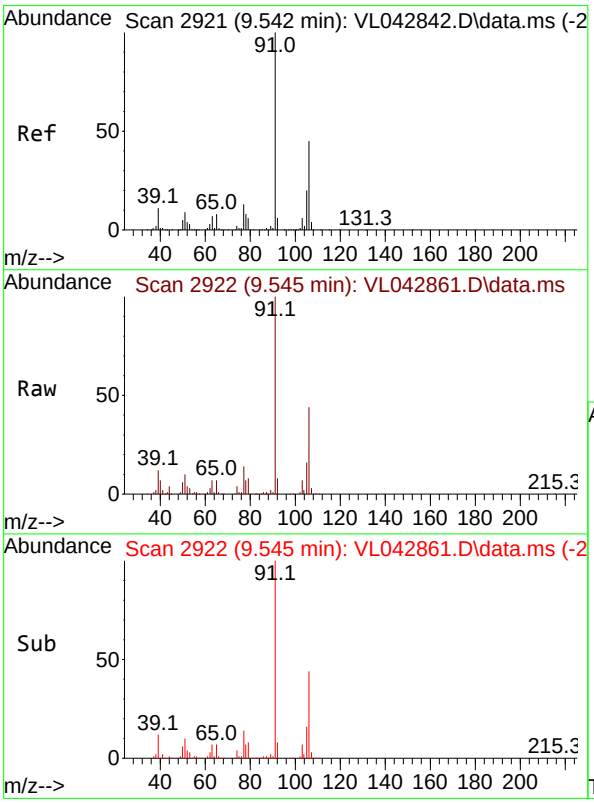
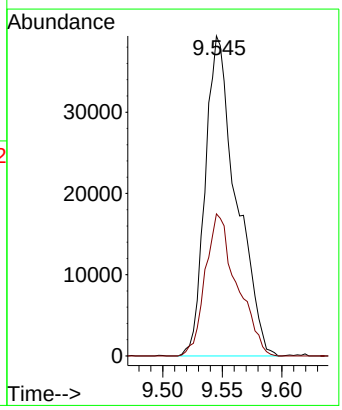


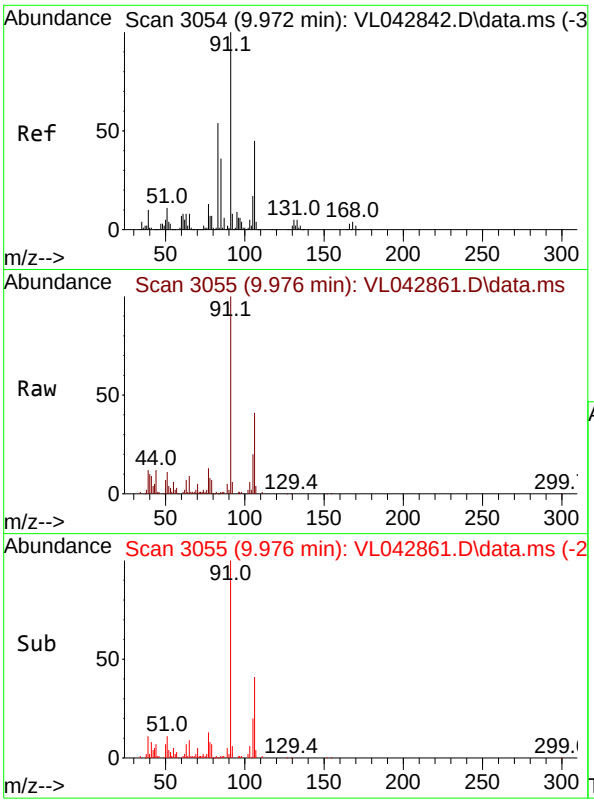


#59
m/p-Xylene
Concen: 1.629 ppbv
RT: 9.545 min Scan# 2922
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 91 Resp: 71285

Ion	Ratio	Lower	Upper
91	100		
106	45.2	0.0	0.0#

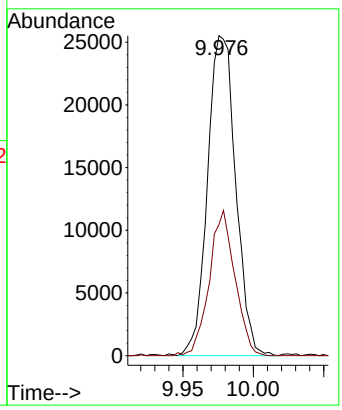




#60
o-Xylene
Concen: 0.807 ppbv
RT: 9.976 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 91 Resp: 3553

Ion	Ratio	Lower	Upper
91	100		
106	41.4	21.8	65.4



Instrument :
MSVOA_L
ClientSampleId :
IA1

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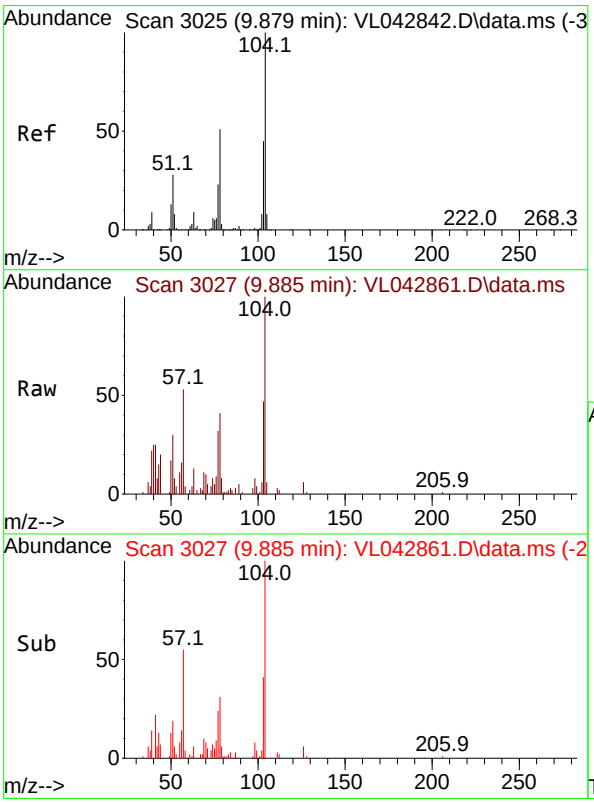
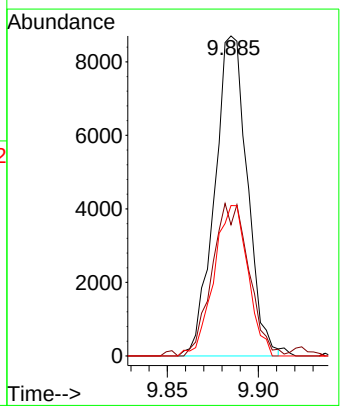
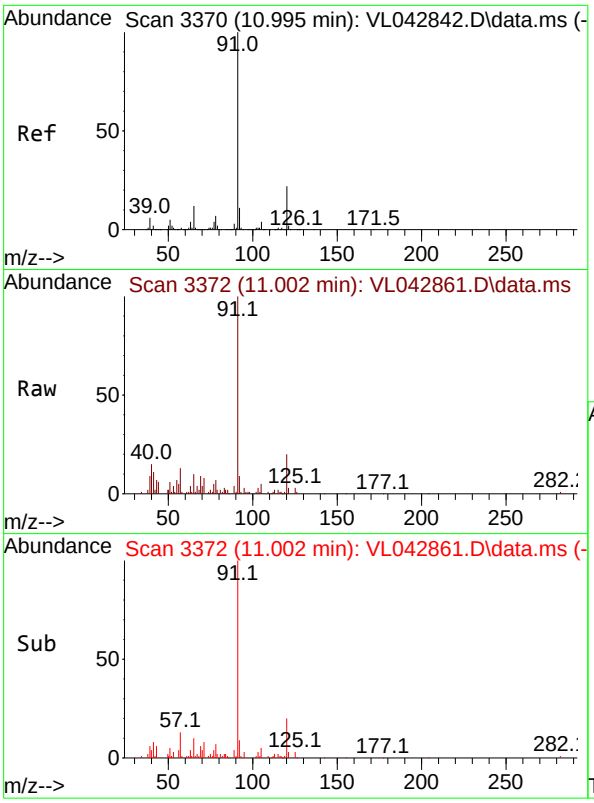


#61
Styrene
Concen: 0.527 ppbv
RT: 9.885 min Scan# 3027
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:104 Resp: 10873

Ion	Ratio	Lower	Upper
104	100		
78	55.5	40.6	61.0
103	48.8	37.7	56.5

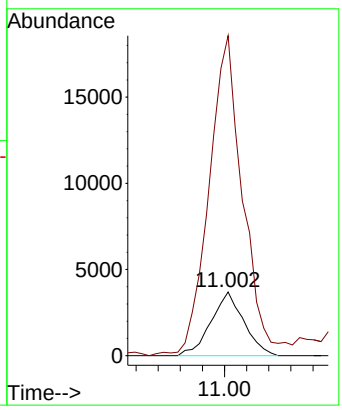




#64
n-propylbenzene
Concen: 0.232 ppbv
RT: 11.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:120 Resp: 380

Ion	Ratio	Lower	Upper
120	100		
91	522.1	375.8	563.6



Instrument :
MSVOA_L
ClientSampleId :
IA1

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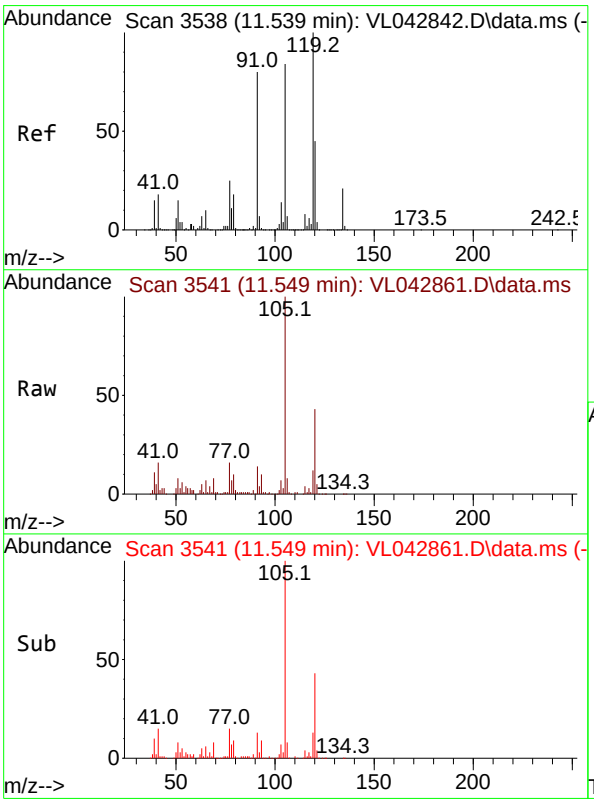
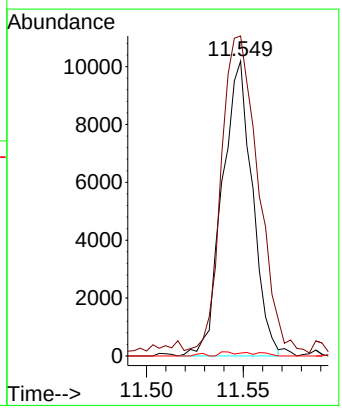
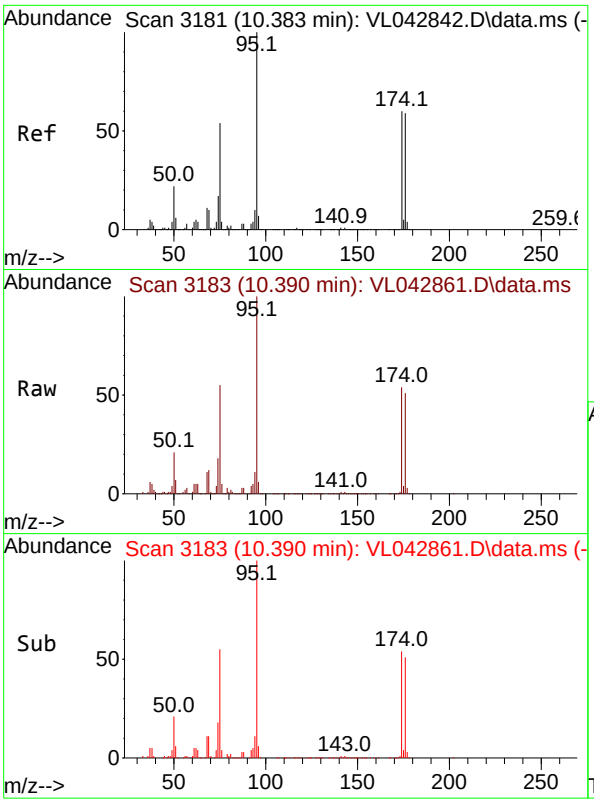


#65
tert-Butylbenzene
Concen: 0.194 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.010 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:119 Resp: 11019

Ion	Ratio	Lower	Upper
119	100		
91	135.5	63.9	95.9#
134	0.0	17.0	25.4#

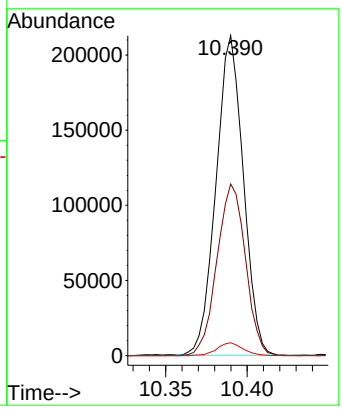




#68
1-Bromo-4-Fluorobenzene
Concen: 10.430 ppbv
RT: 10.390 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion: 95 Resp: 24743

Ion	Ratio	Lower	Upper
95	100		
174	56.1	48.4	72.6
175	3.9	3.8	5.8



Instrument :
MSVOA_L
ClientSampleId :
IA1

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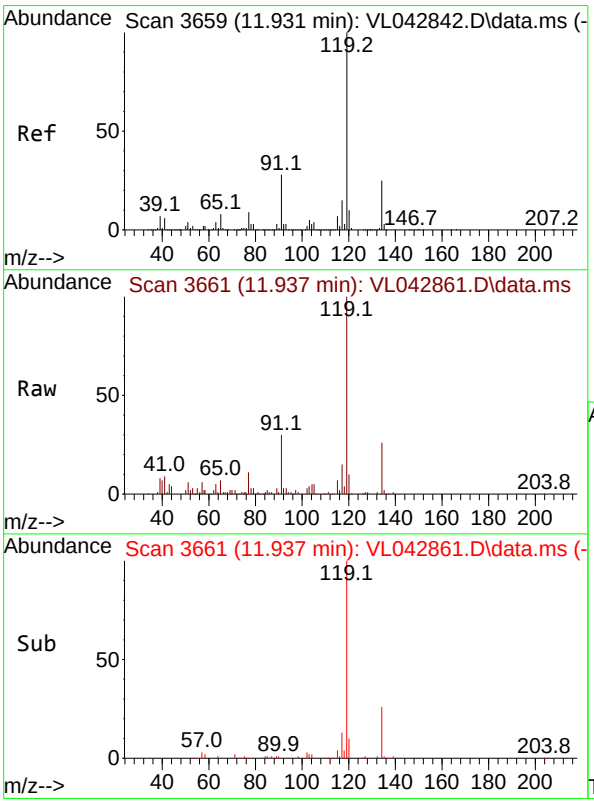
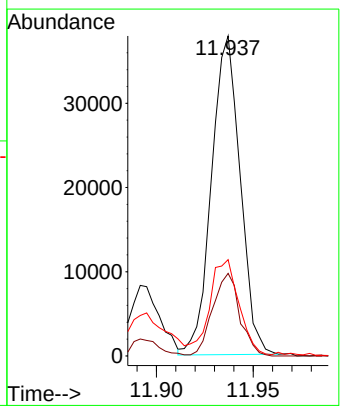
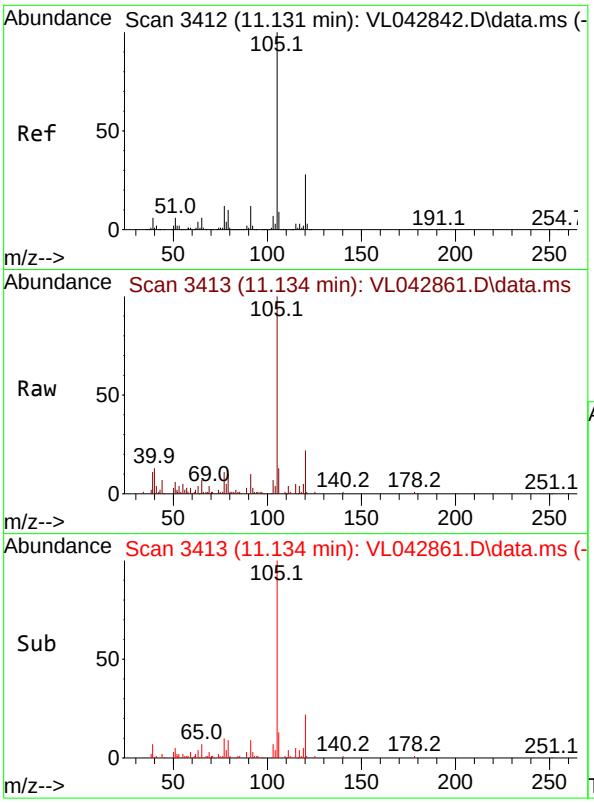


#69
p-Isopropyltoluene
Concen: 0.570 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:119 Resp: 38968

Ion	Ratio	Lower	Upper
119	100		
134	24.5	20.6	30.8
91	31.8	22.6	34.0

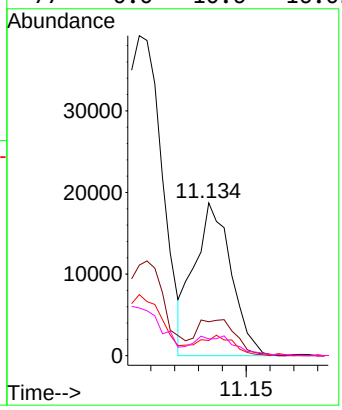




#72
4-Ethyltoluene
Concen: 0.379 ppbv
RT: 11.134 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:105 Resp: 2024

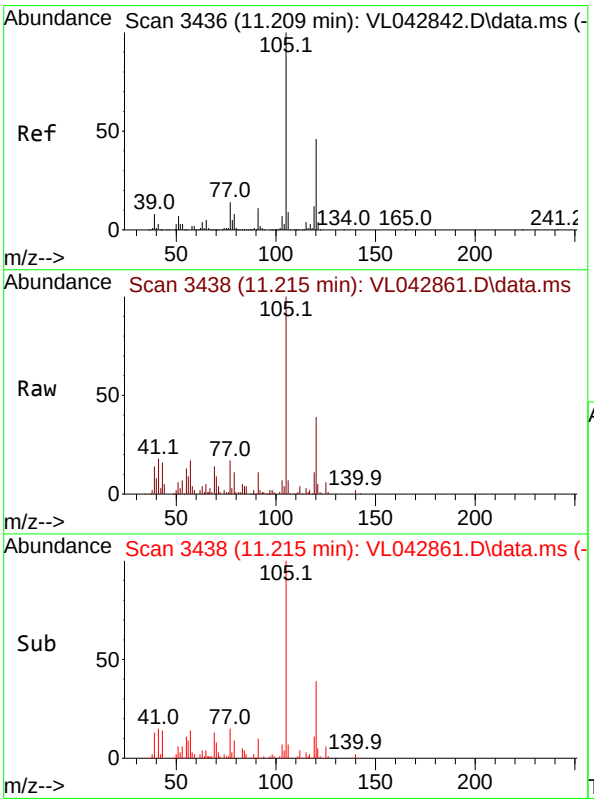
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.2#
91	0.0	9.8	14.6#
77	0.0	10.6	16.0#



Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
APPROVED

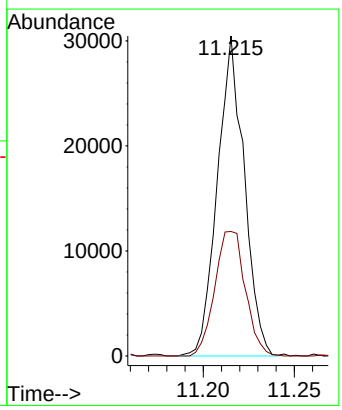
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

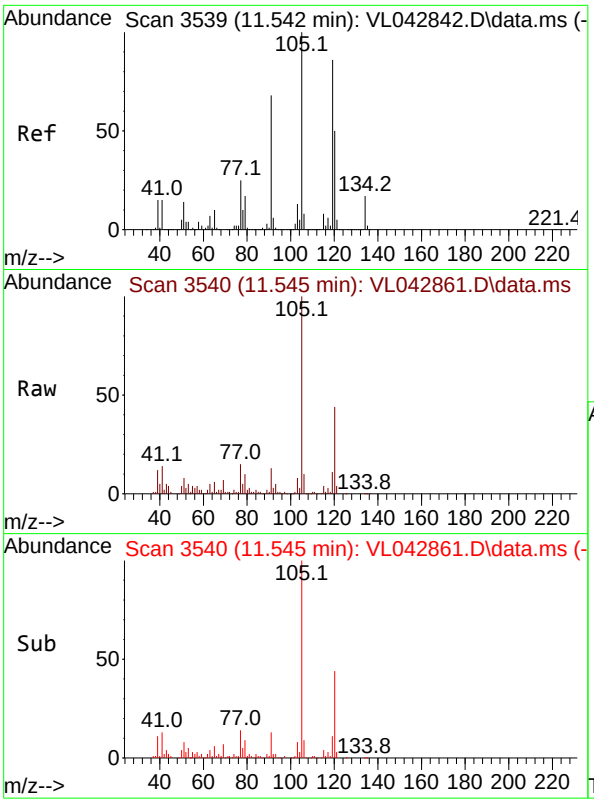


#73
1,3,5-Trimethylbenzene
Concen: 0.687 ppbv
RT: 11.215 min Scan# 3438
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:105 Resp: 31153

Ion	Ratio	Lower	Upper
105	100		
120	38.9	36.6	54.8

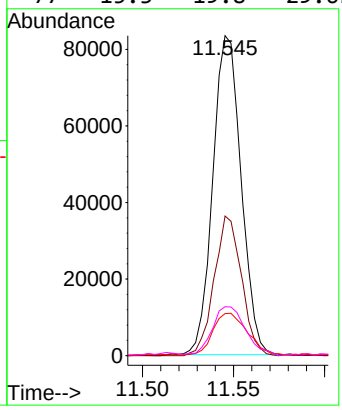




#74
1,2,4-Trimethylbenzene
Concen: 1.808 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:105 Resp: 9003

Ion	Ratio	Lower	Upper
105	100		
120	43.8	39.8	59.6
91	13.0	54.2	81.4#
77	15.3	19.8	29.6#



Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations
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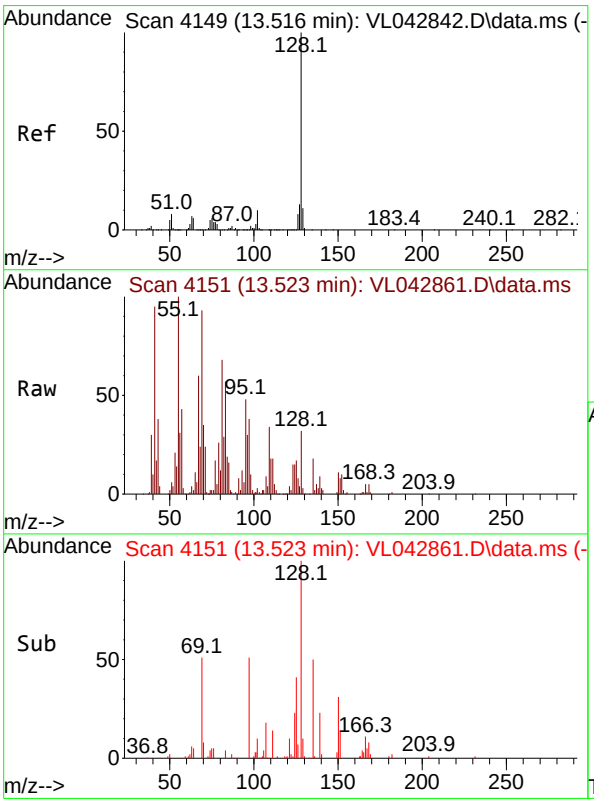
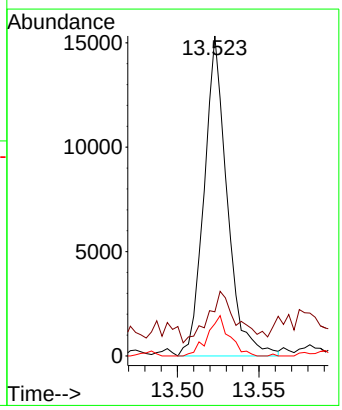


#79
Naphthalene
Concen: 0.333 ppbv
RT: 13.523 min Scan# 4151
Delta R.T. 0.006 min
Lab File: VL042861.D
Acq: 13 Aug 2025 20:49

Tgt Ion:128 Resp: 15027

Ion	Ratio	Lower	Upper
128	100		
127	4.6	10.6	16.0#
129	10.0	8.9	13.3



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

Report of Analysis

Client:	GFE LLC	Date Collected:	08/12/25
Project:	64 2nd St., Brooklyn, NY	Date Received:	08/13/25
Client Sample ID:	SV1	SDG No.:	Q2834
Lab Sample ID:	Q2834-02	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042862.D	10		08/13/25 21:26	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.25	0.64	U	0.64	0.77	ug/m3
142-82-5	Heptane	1.80	7.38	J	6.97	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.50	5.95	U	5.95	19.8	ug/m3
110-82-7	Cyclohexane	2.20	7.57	U	7.57	17.2	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	U	3.93	19.8	ug/m3
71-55-6	1,1,1-Trichloroethane	0.16	0.87	U	0.87	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	U	6.54	23.4	ug/m3
71-43-2	Benzene	0.79	2.52	U	2.52	16.0	ug/m3
79-01-6	Trichloroethene	0.24	1.29	U	1.29	1.61	ug/m3
108-88-3	Toluene	5.50	20.7		6.03	18.8	ug/m3
127-18-4	Tetrachloroethene	0.48	3.25		1.02	2.03	ug/m3
100-41-4	Ethyl Benzene	1.90	8.25	U	8.25	21.7	ug/m3
179601-23-1	m/p-Xylene	4.10	17.8	U	17.8	43.4	ug/m3
95-47-6	o-Xylene	2.10	9.12	U	9.12	21.7	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	U	8.85	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	U	8.85	24.6	ug/m3
91-20-3	Naphthalene	0.13	0.68	U	0.68	5.24	ug/m3
110-54-3	Hexane	12.8	45.1		5.64	17.6	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.2			65 - 135	102%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	127000		2.793			
540-36-3	1,4-Difluorobenzene	384000		3.968			
3114-55-4	Chlorobenzene-d5	329000		8.891			

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\VL081325\
Data File : VL042862.D
Acq On : 13 Aug 2025 21:26
Operator : SY/MD
Sample : Q2834-02 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	126696	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	384213	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	328630	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	250839	10.178	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.800%			
Target Compounds						Qvalue
9) Propene	1.489	41	1229	0.139	ppbv #	79
10) Heptane	4.991	43	4289m	0.181	ppbv	
13) Ethanol	1.722	45	96985	119.666	ppbv	90
15) Acetone	1.839	43	87245	5.206	ppbv	97
17) tert-Butyl alcohol	2.049	59	8016	0.403	ppbv #	87
19) Isopropyl Alcohol	1.890	45	3151	0.315	ppbv #	1
20) Methylene Chloride	2.065	84	2362	0.336	ppbv	94
26) Hexane	2.832	57	23928	1.278	ppbv #	43
34) 2-Butanone	2.567	43	9355	0.361	ppbv	94
52) Tetrachloroethene	8.234	164	633m	0.048	ppbv	
53) Toluene	6.949	91	23951	0.548	ppbv	99
59) m/p-Xylene	9.545	91	4739m	0.104	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042862.D
Acq On : 13 Aug 2025 21:26
Operator : SY/MD
Sample : Q2834-02 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
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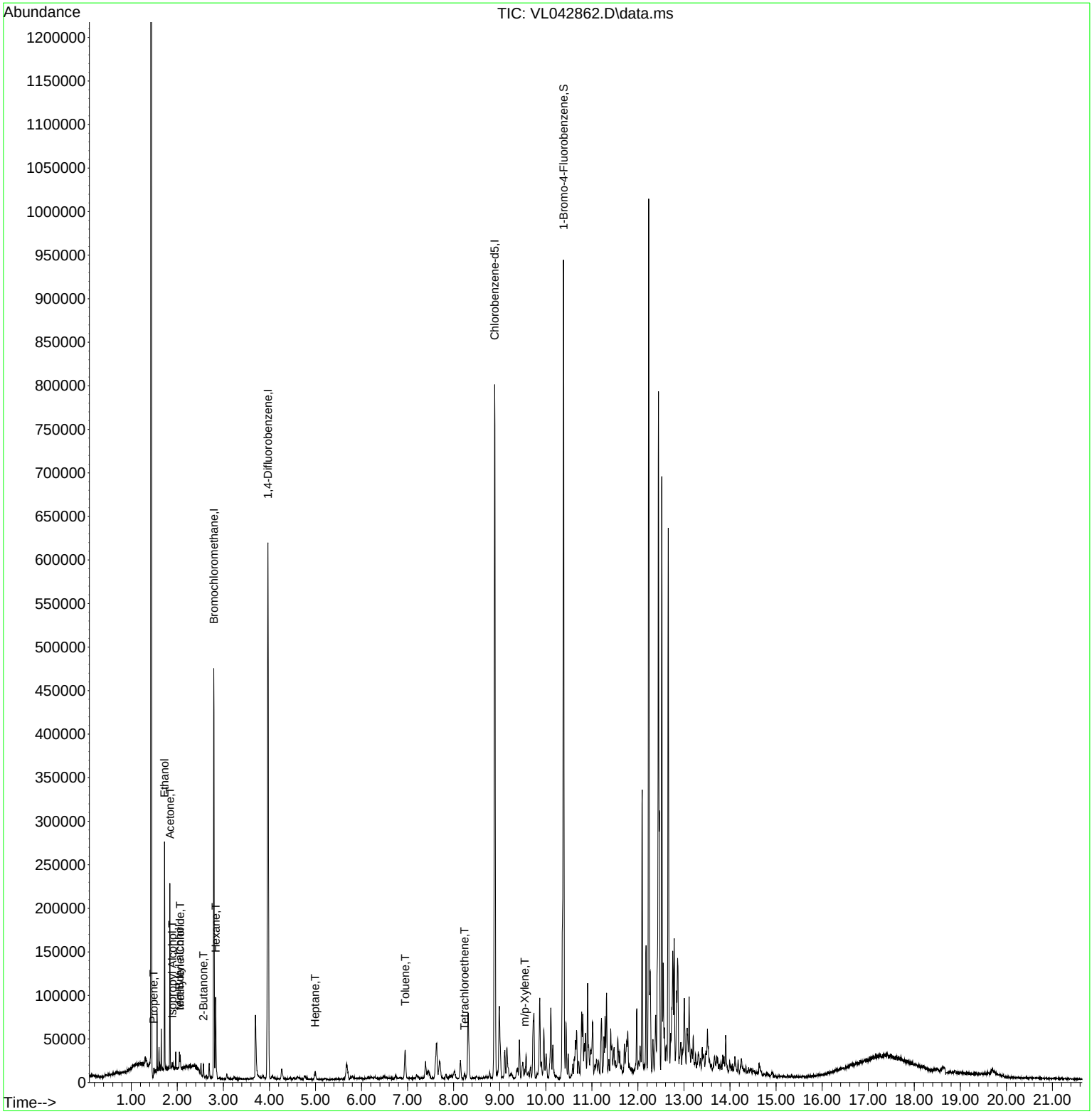

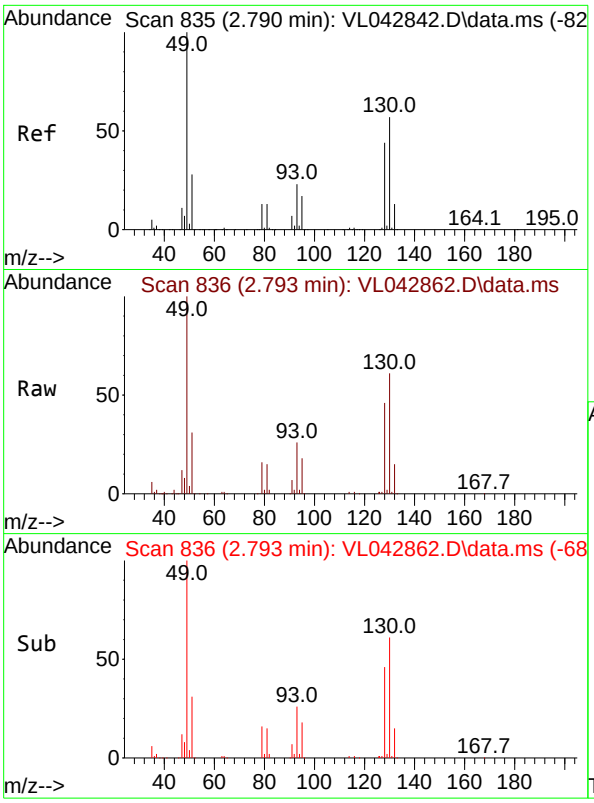

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 49 Resp: 12669

Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.7	71.1
130	61.2	30.6	91.6

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
APPROVED

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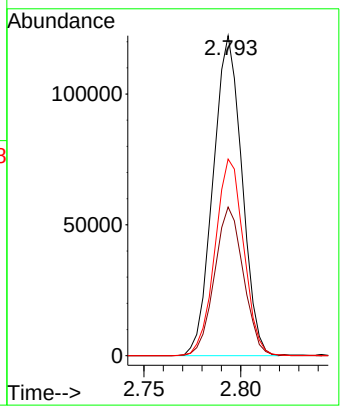
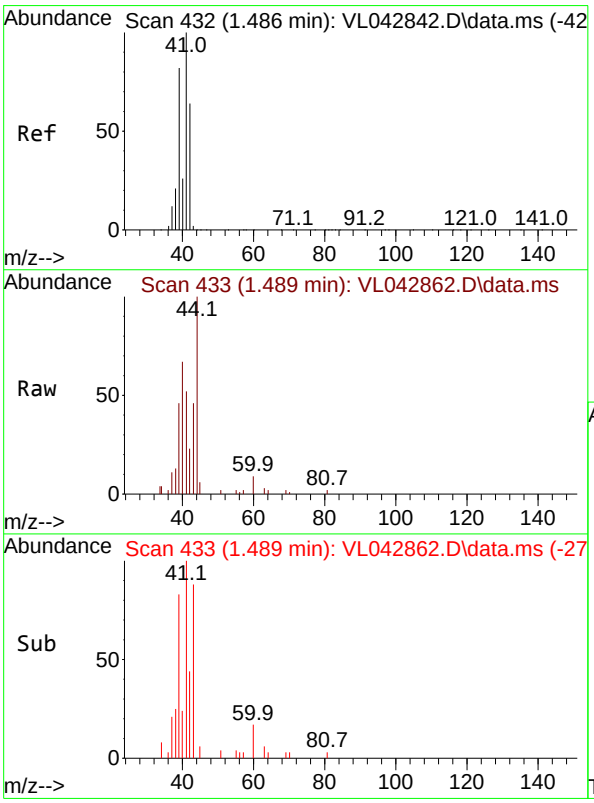
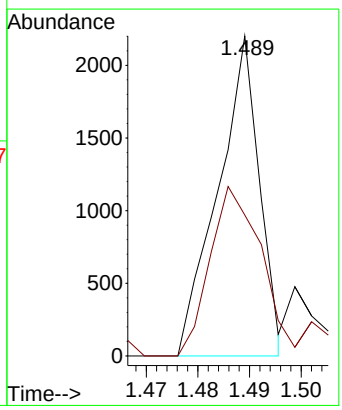


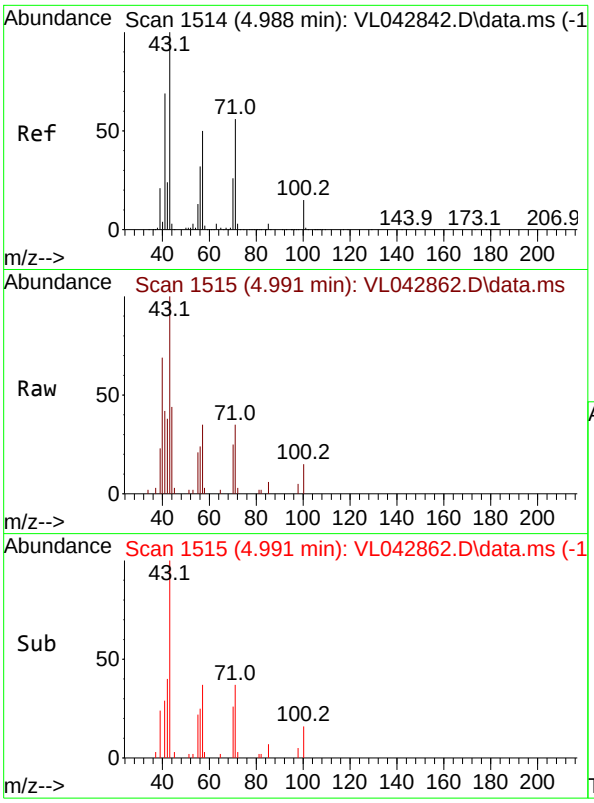


#9
Propene
Concen: 0.139 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 41 Resp: 1229

Ion	Ratio	Lower	Upper
41	100		
42	82.6	53.0	79.4#

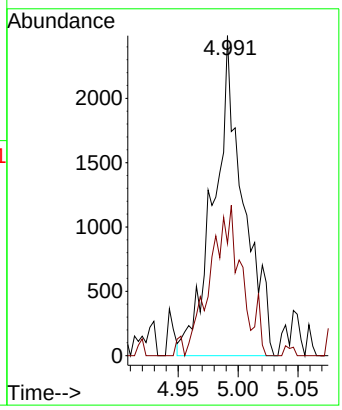




#10
Heptane
Concen: 0.181 ppbv m
RT: 4.991 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 43 Resp: 428

Ion	Ratio	Lower	Upper
43	100		
57	50.5	41.4	62.0



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
APPROVED

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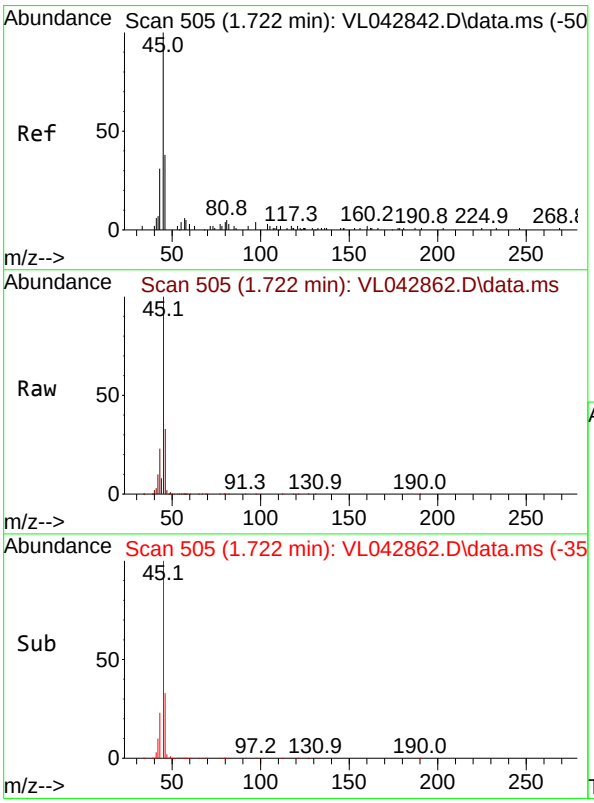
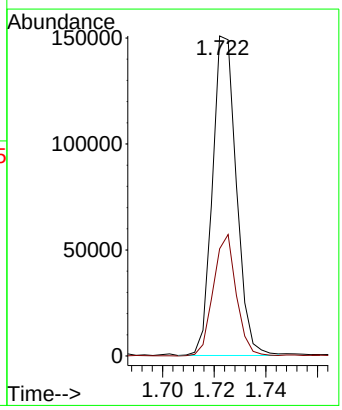
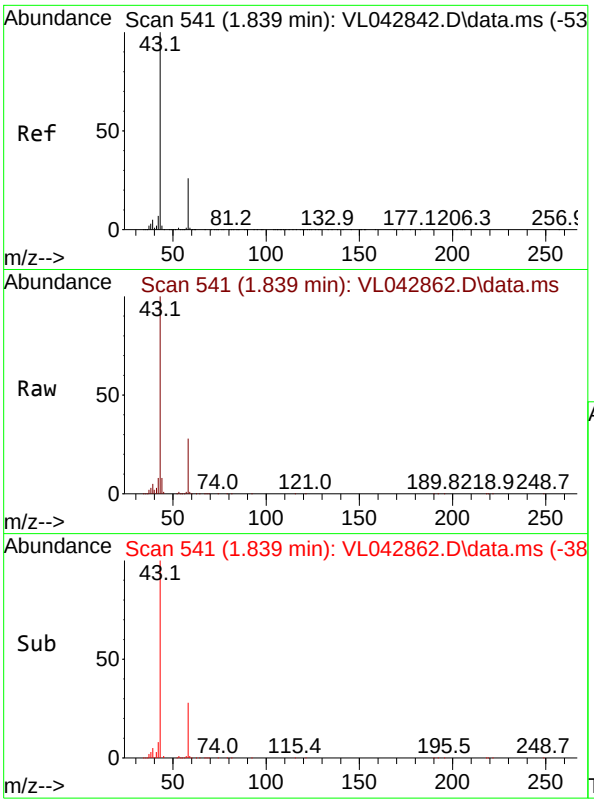


#13
Ethanol
Concen: 119.666 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 45 Resp: 96985

Ion	Ratio	Lower	Upper
45	100		
46	37.1	17.5	69.9





#15
Acetone
Concen: 5.206 ppbv
RT: 1.839 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 43 Resp: 8724

Ion	Ratio	Lower	Upper
43	100		
58	29.5	22.4	33.6

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
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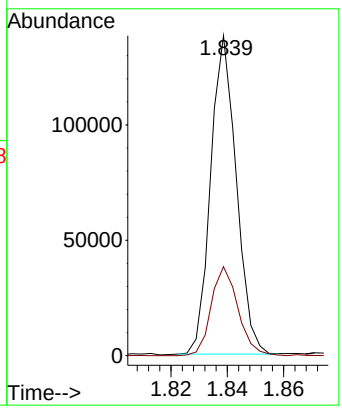
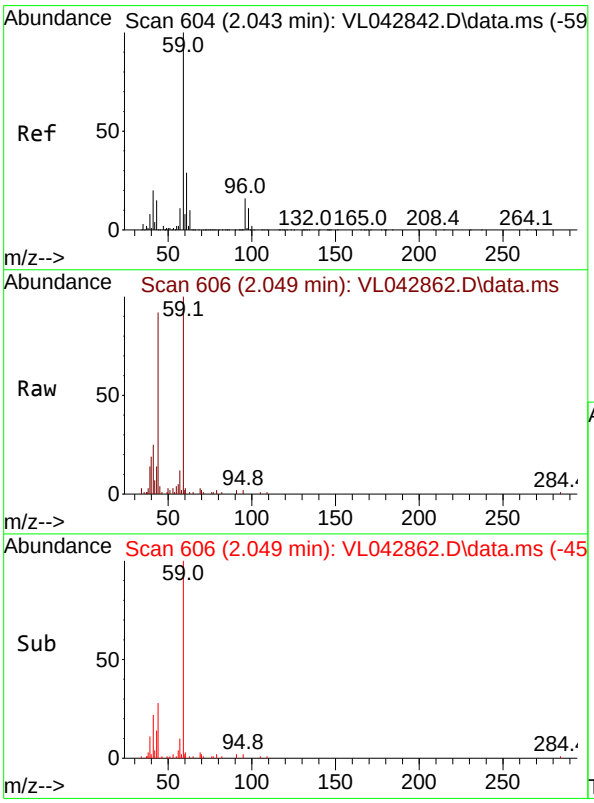
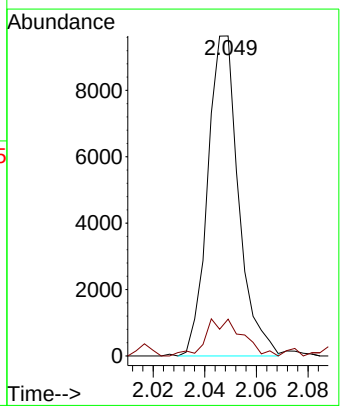


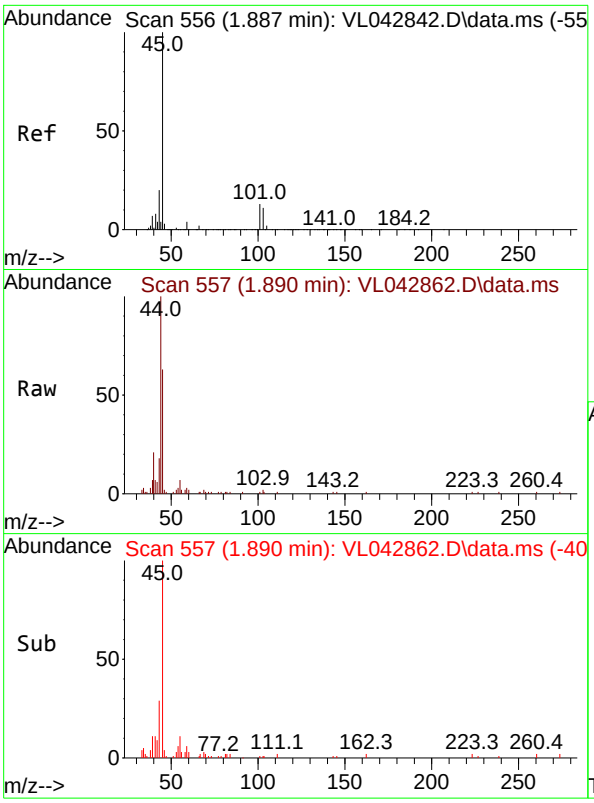


#17
tert-Butyl alcohol
Concen: 0.403 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.006 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 59 Resp: 8016

Ion	Ratio	Lower	Upper
59	100		
57	16.3	9.0	13.4#





#19
Isopropyl Alcohol
Concen: 0.315 ppbv
RT: 1.890 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 45 Resp: 315

Ion	Ratio	Lower	Upper
45	100		
58	818.1	32.7	49.1#

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
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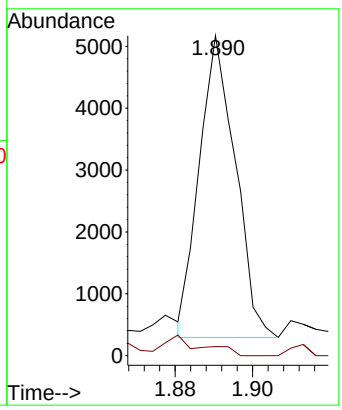
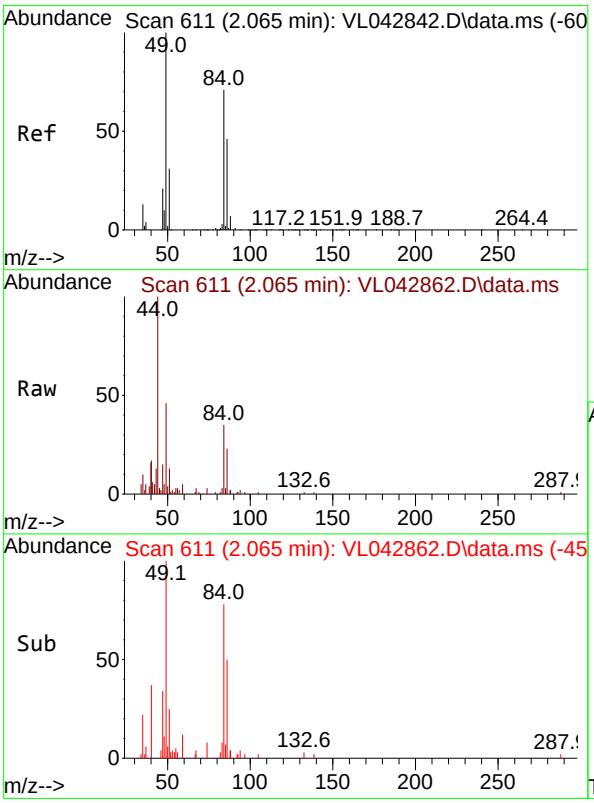
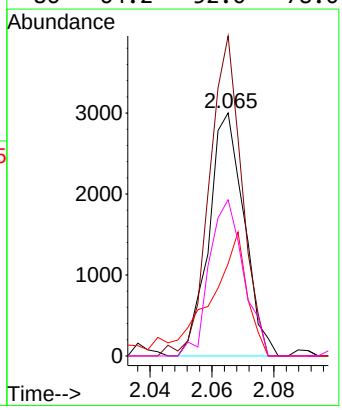


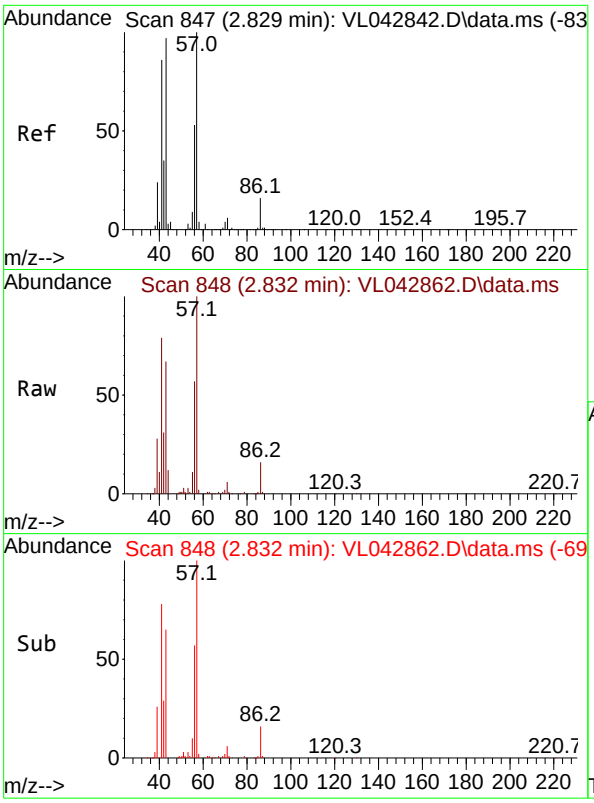


#20
Methylene Chloride
Concen: 0.336 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 84 Resp: 2362

Ion	Ratio	Lower	Upper
84	100		
49	131.6	112.3	168.5
51	38.0	36.0	54.0
86	64.2	52.0	78.0

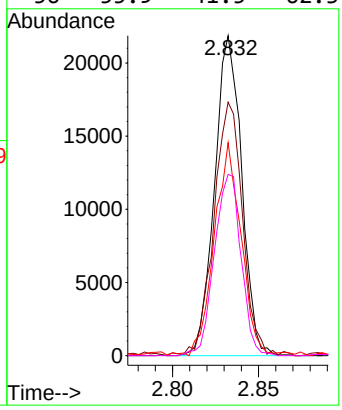




#26
Hexane
Concen: 1.278 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 57 Resp: 2392

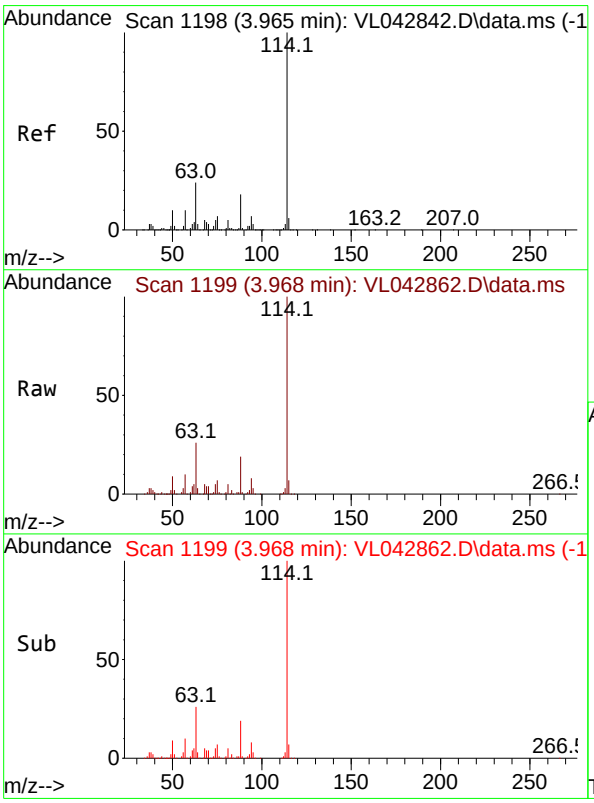
Ion	Ratio	Lower	Upper
57	100		
41	84.1	68.6	103.0
43	66.4	168.5	252.7#
56	55.9	41.5	62.3



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
APPROVED

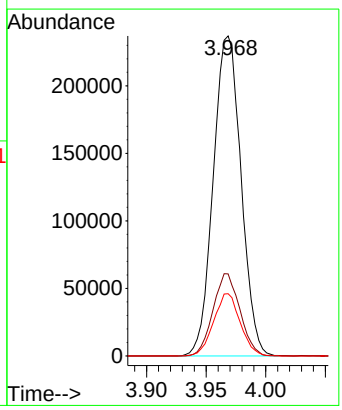
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

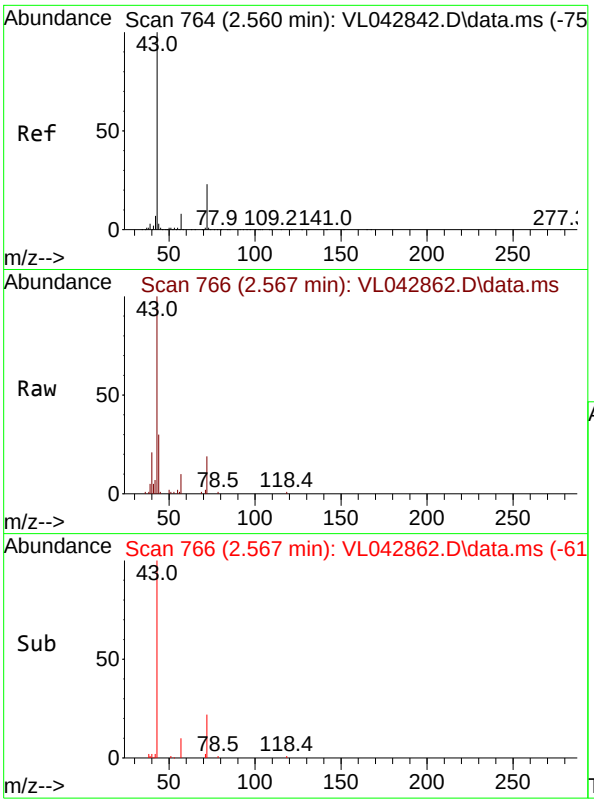


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion:114 Resp: 384213

Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.7	29.5
88	18.6	14.4	21.6

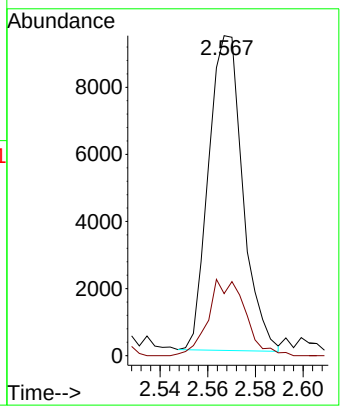




#34
2-Butanone
Concen: 0.361 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 43 Resp: 935

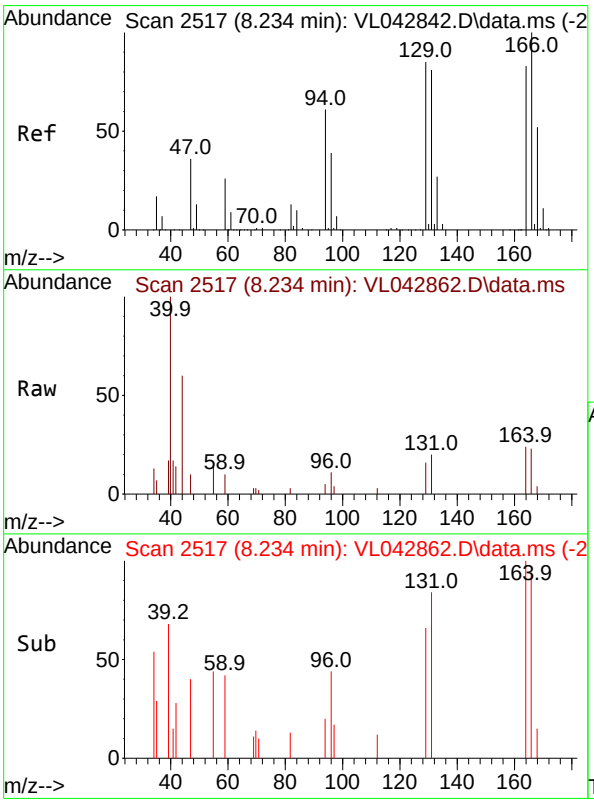
Ion	Ratio	Lower	Upper
43	100		
72	26.2	18.6	28.0



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
APPROVED

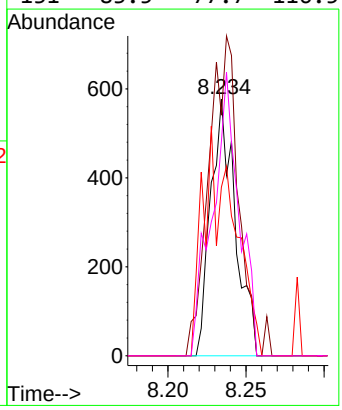
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

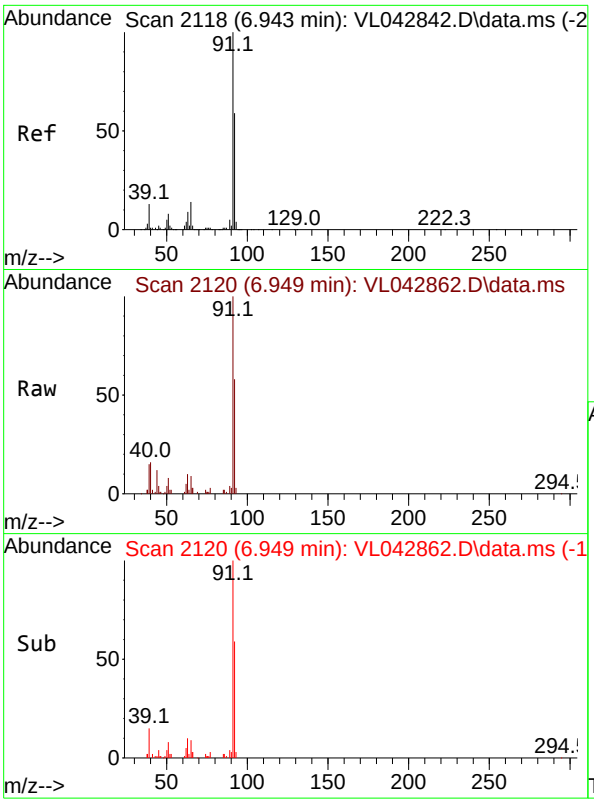


#52
Tetrachloroethene
Concen: 0.048 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. -0.000 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion:164 Resp: 633

Ion	Ratio	Lower	Upper
164	100		
166	93.8	96.5	144.7#
129	65.7	81.8	122.6#
131	83.5	77.7	116.5

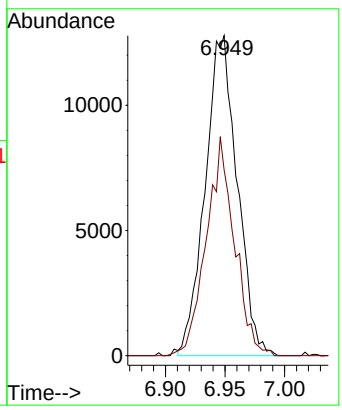




#53
Toluene
Concen: 0.548 ppbv
RT: 6.949 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 91 Resp: 2395

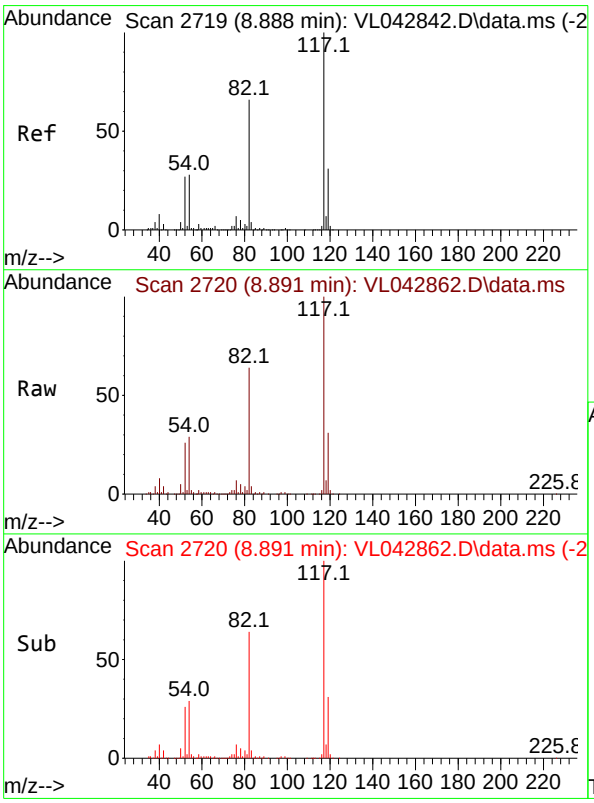
Ion	Ratio	Lower	Upper
91	100		
92	60.2	47.8	71.6



Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
APPROVED

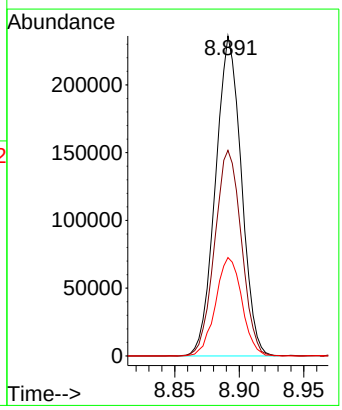
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

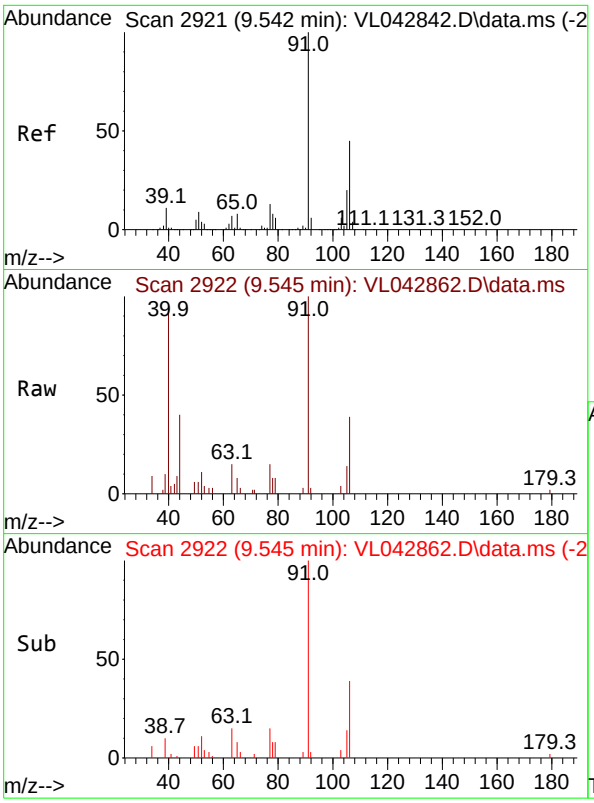


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion:117 Resp: 328630

Ion	Ratio	Lower	Upper
117	100		
82	66.5	54.6	81.8
119	31.3	25.9	38.9





#59
m/p-Xylene
Concen: 0.104 ppbv m
RT: 9.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

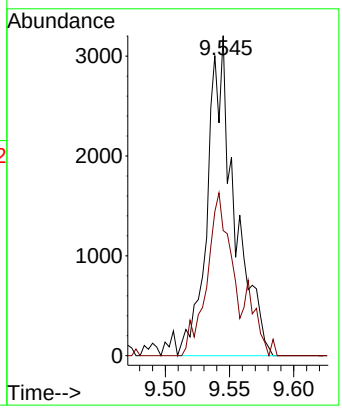
Tgt Ion: 91 Resp: 473

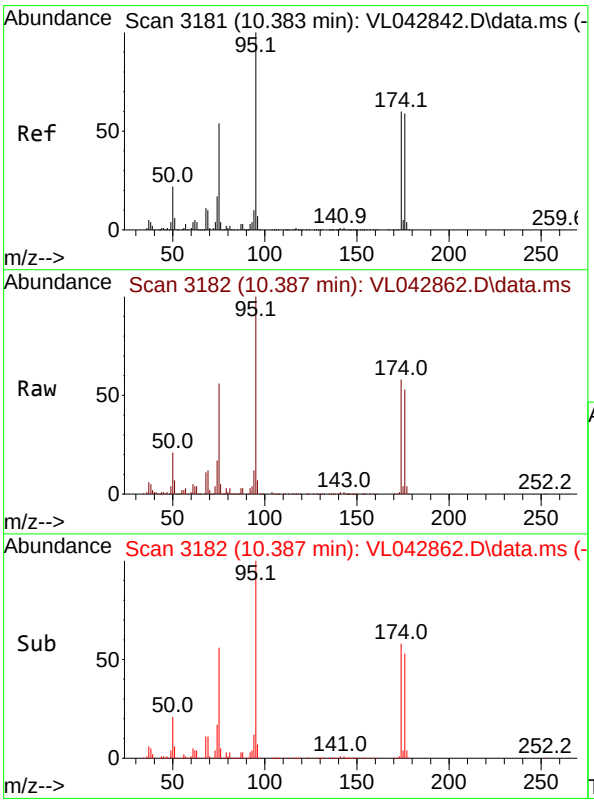
Ion	Ratio	Lower	Upper
91	100		
106	55.7	0.0	0.0

Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

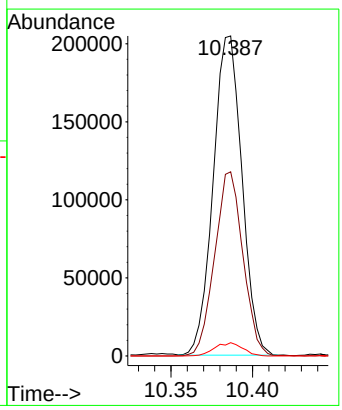




#68
1-Bromo-4-Fluorobenzene
Concen: 10.178 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042862.D
Acq: 13 Aug 2025 21:26

Tgt Ion: 95 Resp: 250839

Ion	Ratio	Lower	Upper
95	100		
174	56.7	48.4	72.6
175	4.1	3.8	5.8



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.: Q2834

Instrument ID: MSVOA_L Calibration Date(s): 08/13/2025 08/13/2025

Heated Purge: (Y/N) N Calibration Time(s): 08:30 12:06

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

LAB FILE ID: RRF010 = VL042842.D RRF002 = VL042843.D RRF001 = VL042844.D
RRF0.5 = VL042845.D RRF0.1 = VL042846.D RRF.03 = VL042847.D

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
Vinyl Chloride	0.502	0.550	0.559	0.593	0.639	0.728	0.582	13.7
Heptane	1.718	1.917	2.011	2.009			1.874	8
1,1-Dichloroethene	0.469	0.532	0.509	0.552			0.507	7.2
Cyclohexane	1.214	1.340	1.283	1.425			1.296	6.9
cis-1,2-Dichloroethene	1.346	1.524	1.524	1.625			1.476	8.1
1,1,1-Trichloroethane	1.999	2.215	2.148	2.209	2.528	2.448	2.230	8.7
2,2,4-Trimethylpentane	1.515	1.676	1.719	1.728			1.625	7.1
Benzene	0.912	0.990	0.978	1.013			0.958	5.3
Trichloroethene	0.399	0.453	0.448	0.501	0.448	0.416	0.437	8.3
Toluene	1.072	1.160	1.181	1.219			1.138	6.1
Tetrachloroethene	0.313	0.345	0.333	0.369	0.379	0.391	0.346	10.2
Ethyl Benzene	1.636	1.838	1.866	1.854			1.765	6.8
m/p-Xylene	1.283	1.455	1.454	1.447			1.383	6.8
o-Xylene	1.266	1.445	1.472	1.532			1.391	9.3
1,3,5-Trimethylbenzene	1.293	1.512	1.535	1.548			1.434	9.4
1,2,4-Trimethylbenzene	1.394	1.698	1.706	1.710			1.574	11.3
Naphthalene	1.315	1.746	1.647	1.383	1.174		1.427	15.5
1-Bromo-4-Fluorobenzene	0.755	0.744	0.760	0.755	0.746	0.736	0.750	1.1
Hexane	1.392	1.522	1.552	1.557			1.478	6.2

* 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 : VL081325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Aug 14 02:12:54 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042847.D 0.1 =VL042846.D 0.5 =VL042845.D 1 =VL042844.D 2 =VL042843.D 10 =VL042842.D 15 =VL042848.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.566	1.525	1.511	1.343	1.383	1.466	6.61
3)		Chlorodifluoro...			1.752	1.621	1.714	1.509	1.504	1.620	7.05
4)		Chloromethane			0.648	0.618	0.606	0.533	0.551	0.591	8.09
5)	T	Vinyl Chloride	0.728	0.639	0.593	0.559	0.550	0.502	0.507	0.582	13.72
6)	T	Bromomethane			0.248	0.268	0.239	0.203	0.206	0.233	12.06
7)		Chloroethane			0.266	0.240	0.219	0.202	0.210	0.227	11.46
8)	T	Dichlorotetraf...			1.273	1.235	1.245	1.122	1.122	1.199	6.02
9)	T	Propene			0.824	0.692	0.715	0.656	0.611	0.700	11.40
10)	T	Heptane			2.009	2.011	1.917	1.718	1.713	1.874	7.96
11)	T	Trichlorofluor...			1.614	1.533	1.467	1.271	1.345	1.446	9.59
12)	T	1,1,2-Trichlor...			1.259	1.202	1.189	1.047	1.066	1.152	7.95
13)		Ethanol			0.089	0.069	0.070	0.046	0.047	0.064	27.87
14)	T	Bromoethene			0.462	0.416	0.436	0.381	0.391	0.417	7.89
15)	T	Acetone			1.708	1.475	1.476	0.950	1.005	1.323	24.92
16)	T	1,3-Butadiene			0.783	0.633	0.579	0.500	0.503	0.600	19.47
17)		tert-Butyl alc...			1.920	1.660	1.557	1.371	1.335	1.569	15.14
18)	T	1,1-Dichloroet...			0.552	0.509	0.532	0.469	0.472	0.507	7.21
19)	T	Isopropyl Alcohol			0.976	0.847	0.799	0.649	0.679	0.790	16.79
20)	T	Methylene Chlo...			0.792	0.596	0.544	0.414	0.425	0.554	27.79
21)	T	Allyl Chloride			1.122	0.902	0.945	0.850	0.854	0.935	11.98
22)	T	trans-1,2-Dich...			0.630	0.613	0.604	0.537	0.546	0.586	7.10
23)	T	Vinyl Acetate			2.161	1.733	1.849	1.663	1.689	1.819	11.22
24)	T	1,1-Dichloroet...			1.317	1.223	1.185	1.040	1.088	1.171	9.38
25)	T	Ethyl Acetate			3.491	3.346	3.324	2.932	2.914	3.202	8.19
26)	T	Hexane			1.557	1.552	1.522	1.392	1.366	1.478	6.19
27)	T	Carbon Disulfide			1.504	1.513	1.511	1.314	1.348	1.438	6.84
28)	T	Methyl tert-Bu...			0.833	0.747	0.817	0.661	0.710	0.754	9.61
29)	T	Chloroform			2.299	2.183	2.166	1.932	1.970	2.110	7.32
30)	T	Cyclohexane			1.425	1.283	1.340	1.214	1.217	1.296	6.87
31)	T	cis-1,2-Dichlo...			1.625	1.524	1.524	1.346	1.362	1.476	8.06
32)	T	1,1,1-Trichlor...	2.448	2.528	2.209	2.148	2.215	1.999	2.063	2.230	8.69
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.753	0.702	0.700	0.610	0.611	0.675	9.33
35)	T	Carbon Tetrach...	0.736	0.738	0.682	0.700	0.692	0.636	0.643	0.689	5.84
36)	T	Benzene			1.013	0.978	0.990	0.912	0.896	0.958	5.33
37)	T	1,2-Dichloroet...			0.512	0.516	0.503	0.483	0.488	0.500	2.87
38)	T	Trichloroethene	0.416	0.448	0.501	0.448	0.453	0.399	0.397	0.437	8.35
39)	T	1,2-Dichloropr...			0.378	0.365	0.356	0.324	0.326	0.350	6.84

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL081325AIR.M

40)	T	1,4-Dioxane		0.189	0.185	0.166	0.148	0.144	0.166	12.22
41)	T	Tetrahydrofuran		0.395	0.389	0.392	0.355	0.351	0.376	5.64
42)	T	Bromodichlorom...		0.786	0.742	0.777	0.708	0.714	0.745	4.77
43)		Methyl Methacr...		0.427	0.402	0.415	0.368	0.362	0.394	7.31
44)	T	2,2,4-Trimethy...		1.728	1.719	1.676	1.515	1.489	1.625	7.06
45)	T	t-1,3-Dichloro...		0.450	0.464	0.456	0.428	0.427	0.445	3.73
46)	T	cis-1,3-Dichlo...		0.568	0.559	0.578	0.539	0.529	0.555	3.67
47)	T	1,1,2-Trichlor...		0.395	0.382	0.386	0.341	0.348	0.371	6.52
48)	T	Dibromochlorom...		0.596	0.605	0.632	0.584	0.581	0.600	3.44
49)	T	Bromoform		0.466	0.514	0.535	0.491	0.467	0.495	6.07
50)	T	4-Methyl-2-Pen...		0.960	0.917	0.946	0.881	0.859	0.913	4.67
51)	T	2-Hexanone		0.723	0.737	0.750	0.699	0.683	0.718	3.82
52)	T	Tetrachloroethene	0.391	0.379	0.369	0.333	0.345	0.313	0.295	0.346	10.19
53)	T	Toluene		1.219	1.180	1.160	1.072	1.061	1.138	6.09
54)	T	1,2-Dibromoethane	0.599	0.549	0.532	0.552	0.506	0.512	0.542	6.24
55)	I	Chlorobenzene-d5	----------ISTD----------							
56)		1,1,1,2-Tetrac...		0.534	0.549	0.551	0.476	0.476	0.517	7.39
57)	T	Chlorobenzene		1.026	0.990	0.994	0.878	0.866	0.951	7.68
58)	T	Ethyl Benzene		1.854	1.866	1.838	1.636	1.630	1.765	6.84
59)	T	m/p-Xylene		1.447	1.454	1.455	1.283	1.277	1.383	6.81
60)	T	o-Xylene		1.532	1.472	1.445	1.266	1.242	1.391	9.31
61)	T	Styrene		0.711	0.677	0.660	0.610	0.601	0.652	7.09
62)		Isopropylbenzene		2.149	2.194	2.133	1.852	1.838	2.033	8.53
63)	T	1,1,2,2-Tetrac...	0.881	0.774	0.795	0.784	0.772	0.674	0.677	0.765	9.39
64)		n-propylbenzene		0.570	0.528	0.549	0.475	0.472	0.519	8.47
65)		tert-Butylbenzene		1.907	1.991	1.910	1.605	1.549	1.793	11.19
66)	T	Benzyl Chloride		0.232	0.226	0.246	0.227	0.207	0.228	6.21
67)		sec-Butylbenzene		2.669	2.754	2.706	2.250	2.202	2.516	10.62
68)	S	1-Bromo-4-Fluo...	0.736	0.746	0.755	0.760	0.744	0.755	0.754	0.750	1.09
69)		p-Isopropyltol...		2.338	2.372	2.328	1.905	1.856	2.160	11.85
70)		n-Butylbenzene		2.234	2.303	2.333	1.927	1.915	2.142	9.58
71)		2-Chlorotoluene		1.709	1.719	1.641	1.418	1.408	1.579	9.77
72)	T	4-Ethyltoluene		1.738	1.806	1.784	1.563	1.543	1.687	7.39
73)	T	1,3,5-Trimethy...		1.548	1.535	1.512	1.293	1.283	1.434	9.37
74)	T	1,2,4-Trimethy...		1.710	1.706	1.698	1.394	1.365	1.574	11.33
75)	T	1,3-Dichlorobe...		0.937	0.946	0.967	0.831	0.795	0.895	8.59
76)	T	1,4-Dichlorobe...		0.966	0.946	0.978	0.833	0.803	0.905	8.93
77)	T	1,2-Dichlorobe...		0.937	0.956	0.947	0.781	0.761	0.876	11.03
78)	T	Hexachloro-1,3...		0.814	0.845	0.804	0.572	0.556	0.718	19.74
79)	T	Naphthalene	1.174	1.383	1.647	1.746	1.315	1.300	1.427	15.50
80)	T	Naphthalene,2-...		0.430	0.554	0.708	0.478	0.497	0.533	20.15
81)	T	1,2,4-Trichlor...		0.623	0.797	0.855	0.661	0.650	0.717	14.24

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	133104	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	413632	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	370372	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	279557	10.064	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	178799	9.166	ppbv	100
3) Chlorodifluoromethane	1.476	51	200866	9.306	ppbv	100
4) Chloromethane	1.534	50	70952	9.013	ppbv	100
5) Vinyl Chloride	1.583	62	66768	8.612	ppbv	100
6) Bromomethane	1.670	94	26964	8.698	ppbv	100
7) Chloroethane	1.706	64	26884	8.879	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	149341	9.355	ppbv	100
9) Propene	1.486	41	87352	9.380	ppbv	100
10) Heptane	4.988	43	228679	9.186	ppbv	100
11) Trichlorofluoromethane	1.881	101	169157	8.789	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	139340	9.083	ppbv	100
13) Ethanol	1.722	45	6172	6.690	ppbv	100
14) Bromoethene	1.784	108	50730	9.135	ppbv	100
15) Acetone	1.839	43	126419	7.180	ppbv	100
16) 1,3-Butadiene	1.612	39	66595	8.343	ppbv	100
17) tert-Butyl alcohol	2.043	59	182511	8.741	ppbv	100
18) 1,1-Dichloroethene	2.036	96	62397	9.252	ppbv	100
19) Isopropyl Alcohol	1.887	45	86367	8.213	ppbv	100
20) Methylene Chloride	2.065	84	55107	7.471	ppbv	100
21) Allyl Chloride	2.098	41	113105	9.093	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	71518	9.482	ppbv	100
23) Vinyl Acetate	2.467	43	221395	9.558	ppbv	100
24) 1,1-Dichloroethane	2.412	63	138444	8.885	ppbv	100
25) Ethyl Acetate	2.839	43	390295	9.159	ppbv	100
26) Hexane	2.829	57	185288	9.420	ppbv	100
27) Carbon Disulfide	2.153	76	174928	9.138	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	87929	8.767	ppbv	100
29) Chloroform	2.852	83	257176	9.158	ppbv	100
30) Cyclohexane	3.862	84	161540	9.367	ppbv	100
31) cis-1,2-Dichloroethene	2.726	61	179162	9.107	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	266021	8.946	ppbv	100
34) 2-Butanone	2.560	43	252300	9.033	ppbv	100
35) Carbon Tetrachloride	3.771	117	262983	9.222	ppbv	100
36) Benzene	3.664	78	377113	9.521	ppbv	100
37) 1,2-Dichloroethane	3.224	62	199762	9.653	ppbv	100
38) Trichloroethene	4.557	130	164881	9.115	ppbv	100
39) 1,2-Dichloropropane	4.324	63	133996	9.263	ppbv	100
40) 1,4-Dioxane	4.590	88	61378	9.064	ppbv #	100
41) Tetrahydrofuran	3.059	42	147025	9.442	ppbv	100
42) Bromodichloromethane	4.499	83	292909	9.499	ppbv	100
43) Methyl Methacrylate	4.891	69	152035	9.357	ppbv	100
44) 2,2,4-Trimethylpentane	4.648	57	626465	9.420	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	177207	9.616	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	222921	9.635	ppbv		100
47) 1,1,2-Trichloroethane	6.590	97	141105	9.215	ppbv		100
48) Dibromochloromethane	7.396	129	241553	9.739	ppbv		100
49) Bromoform	9.490	173	202975	9.923	ppbv		100
50) 4-Methyl-2-Pentanone	5.761	43	364306	9.616	ppbv		100
51) 2-Hexanone	7.441	43	289052	9.730	ppbv	#	100
52) Tetrachloroethene	8.234	164	129484	9.026	ppbv		100
53) Toluene	6.943	91	443400	9.407	ppbv		100
54) 1,2-Dibromoethane	7.661	107	209330	9.345	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.933	131	176135	9.196	ppbv		100
57) Chlorobenzene	8.930	112	325303	9.237	ppbv		100
58) Ethyl Benzene	9.364	91	605785	9.268	ppbv		100
59) m/p-Xylene	9.542	91	950548m	18.524	ppbv		
60) o-Xylene	9.972	91	469073	9.102	ppbv		100
61) Styrene	9.879	104	226056	9.362	ppbv		100
62) Isopropylbenzene	10.549	105	685983	9.108	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.972	83	249621	8.870	ppbv		100
64) n-propylbenzene	10.995	120	175986	9.158	ppbv		100
65) tert-Butylbenzene	11.539	119	594314	8.951	ppbv		100
66) Benzyl Chloride	11.620	91	84156	9.985	ppbv		100
67) sec-Butylbenzene	11.772	105	833378	8.943	ppbv		100
69) p-Isopropyltoluene	11.931	119	705700	8.820	ppbv		100
70) n-Butylbenzene	12.287	91	713713	8.995	ppbv		100
71) 2-Chlorotoluene	10.908	91	525235	8.981	ppbv		100
72) 4-Ethyltoluene	11.131	105	578931	9.267	ppbv		100
73) 1,3,5-Trimethylbenzene	11.209	105	478784	9.012	ppbv		100
74) 1,2,4-Trimethylbenzene	11.542	105	516253	8.853	ppbv		100
75) 1,3-Dichlorobenzene	11.613	146	307640	9.280	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	308542	9.203	ppbv		100
77) 1,2-Dichlorobenzene	11.953	146	289119	8.907	ppbv		100
78) Hexachloro-1,3-Butadiene	13.885	225	211996	7.968	ppbv		100
79) Naphthalene	13.516	128	487174	9.335	ppbv		100
80) Naphthalene,2-methyl-	14.462	142	176880	9.000	ppbv		100
81) 1,2,4-Trichlorobenzene	13.445	180	244998	9.220	ppbv		100

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

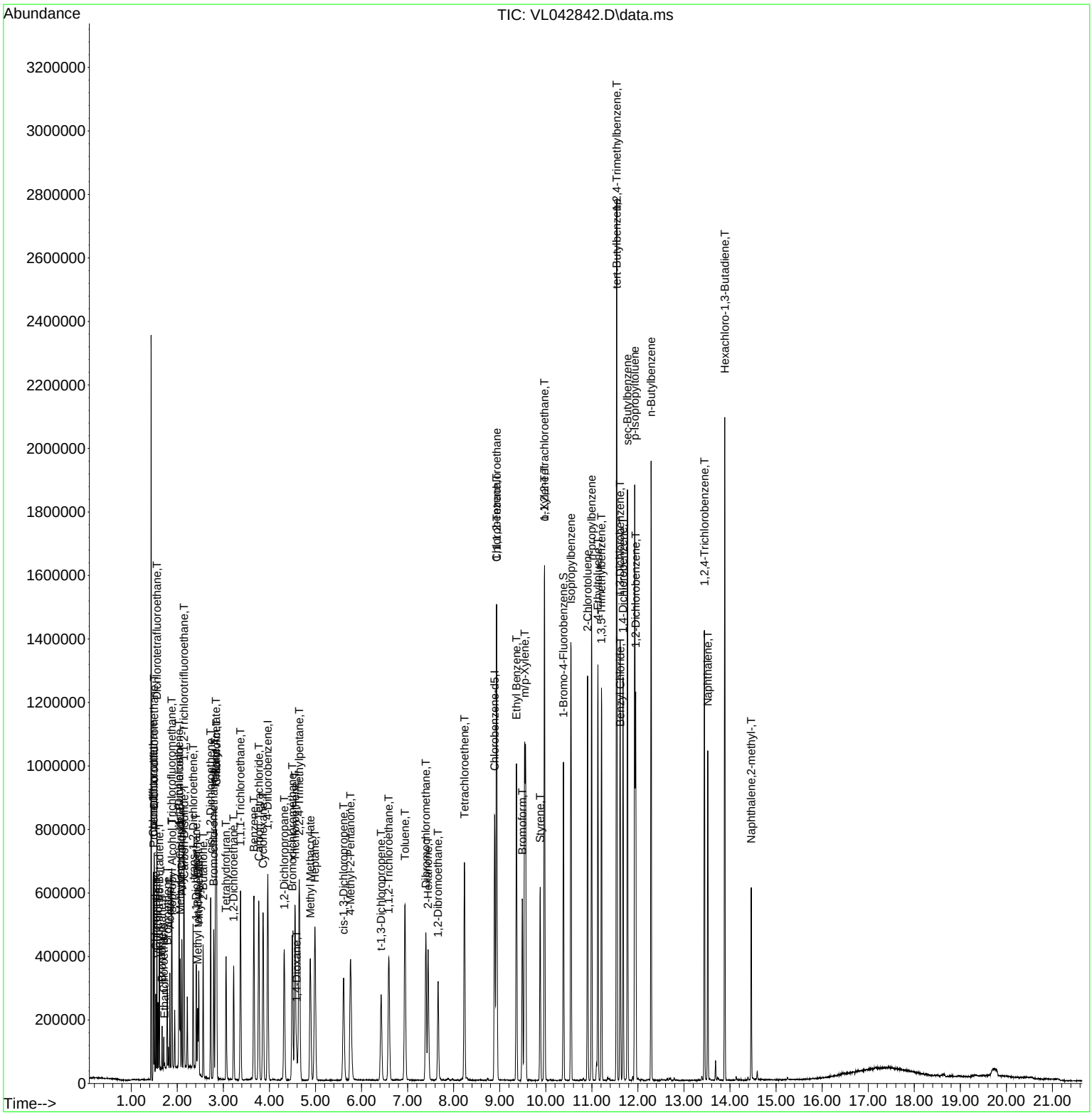
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042843.D
Acq On : 13 Aug 2025 09:06
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:46:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	130555	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	408144	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	363830	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	270774	9.923	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	39443	2.061	ppbv	99
3) Chlorodifluoromethane	1.480	51	44759	2.114	ppbv	96
4) Chloromethane	1.535	50	15826	2.050	ppbv	99
5) Vinyl Chloride	1.583	62	14358	1.888	ppbv	97
6) Bromomethane	1.670	94	6248	2.055	ppbv	97
7) Chloroethane	1.706	64	5717	1.925	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	32496	2.075	ppbv	98
9) Propene	1.486	41	18678	2.045	ppbv	89
10) Heptane	4.991	43	50062	2.050	ppbv	97
11) Trichlorofluoromethane	1.881	101	38308	2.029	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	31052	2.064	ppbv	99
13) Ethanol	1.725	45	1817m	2.008	ppbv	
14) Bromoethene	1.784	108	11376	2.089	ppbv	96
15) Acetone	1.839	43	38531	2.231	ppbv	96
16) 1,3-Butadiene	1.612	39	15122	1.932	ppbv	98
17) tert-Butyl alcohol	2.046	59	40652	1.985	ppbv	97
18) 1,1-Dichloroethene	2.039	96	13883	2.099	ppbv	95
19) Isopropyl Alcohol	1.891	45	20866	2.023	ppbv #	39
20) Methylene Chloride	2.065	84	14204	1.963	ppbv #	92
21) Allyl Chloride	2.101	41	24662	2.021	ppbv	96
22) trans-1,2-Dichloroethene	2.344	96	15773	2.132	ppbv	96
23) Vinyl Acetate	2.467	43	48269	2.125	ppbv #	98
24) 1,1-Dichloroethane	2.415	63	30931	2.024	ppbv	98
25) Ethyl Acetate	2.842	43	86804	2.077	ppbv	98
26) Hexane	2.832	57	39735	2.060	ppbv	94
27) Carbon Disulfide	2.156	76	39466	2.102	ppbv #	15
28) Methyl tert-Butyl Ether	2.444	73	21341	2.169	ppbv	96
29) Chloroform	2.855	83	56553	2.053	ppbv	95
30) Cyclohexane	3.868	84	34992	2.069	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	39783	2.062	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	57837	1.983	ppbv	100
34) 2-Butanone	2.564	43	57172	2.075	ppbv	98
35) Carbon Tetrachloride	3.771	117	56459	2.007	ppbv	97
36) Benzene	3.664	78	80781	2.067	ppbv	98
37) 1,2-Dichloroethane	3.227	62	41034	2.010	ppbv	97
38) Trichloroethene	4.561	130	36990	2.072	ppbv #	86
39) 1,2-Dichloropropane	4.328	63	29059	2.036	ppbv	98
40) 1,4-Dioxane	4.606	88	13510m	2.022	ppbv	
41) Tetrahydrofuran	3.062	42	31994	2.082	ppbv	97
42) Bromodichloromethane	4.503	83	63436	2.085	ppbv	97
43) Methyl Methacrylate	4.888	69	33851m	2.111	ppbv	
44) 2,2,4-Trimethylpentane	4.655	57	136794	2.085	ppbv	98
45) t-1,3-Dichloropropene	6.428	75	37248	2.048	ppbv	90

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042843.D
Acq On : 13 Aug 2025 09:06
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:46:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.609	75	47201m	2.067	ppbv		
47)	1,1,2-Trichloroethane	6.593	97	31477m	2.083	ppbv		
48)	Dibromochloromethane	7.399	129	51620	2.109	ppbv		100
49)	Bromoform	9.493	173	43662	2.163	ppbv		99
50)	4-Methyl-2-Pentanone	5.768	43	77225	2.066	ppbv		99
51)	2-Hexanone	7.451	43	61210	2.088	ppbv	#	98
52)	Tetrachloroethene	8.234	164	28166	1.990	ppbv		92
53)	Toluene	6.946	91	94690	2.036	ppbv		98
54)	1,2-Dibromoethane	7.665	107	45071	2.039	ppbv		98
56)	1,1,1,2-Tetrachloroethane	8.933	131	40090	2.131	ppbv		97
57)	Chlorobenzene	8.933	112	72296	2.090	ppbv		97
58)	Ethyl Benzene	9.364	91	133719	2.083	ppbv		99
59)	m/p-Xylene	9.558	91	211704m	4.200	ppbv		
60)	o-Xylene	9.972	91	105125	2.077	ppbv		100
61)	Styrene	9.879	104	48027	2.025	ppbv		96
62)	Isopropylbenzene	10.545	105	155223	2.098	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.972	83	56139	2.031	ppbv		98
64)	n-propylbenzene	10.995	120	39922	2.115	ppbv		97
65)	tert-Butylbenzene	11.536	119	139019	2.132	ppbv		99
66)	Benzyl Chloride	11.623	91	17893	2.161	ppbv		97
67)	sec-Butylbenzene	11.772	105	196899	2.151	ppbv		98
69)	p-Isopropyltoluene	11.931	119	169429	2.156	ppbv		99
70)	n-Butylbenzene	12.287	91	169768	2.178	ppbv		99
71)	2-Chlorotoluene	10.908	91	119382	2.078	ppbv		99
72)	4-Ethyltoluene	11.131	105	129786	2.115	ppbv		99
73)	1,3,5-Trimethylbenzene	11.212	105	110043	2.109	ppbv		99
74)	1,2,4-Trimethylbenzene	11.542	105	123554	2.157	ppbv		97
75)	1,3-Dichlorobenzene	11.613	146	70330	2.160	ppbv		100
76)	1,4-Dichlorobenzene	11.678	146	71160	2.161	ppbv		99
77)	1,2-Dichlorobenzene	11.953	146	68944	2.162	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.886	225	58509	2.239	ppbv		100
79)	Naphthalene	13.517	128	127025	2.478	ppbv		99
80)	Naphthalene,2-methyl-	14.462	142	51541	2.670	ppbv		100
81)	1,2,4-Trichlorobenzene	13.445	180	62216	2.384	ppbv		98

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

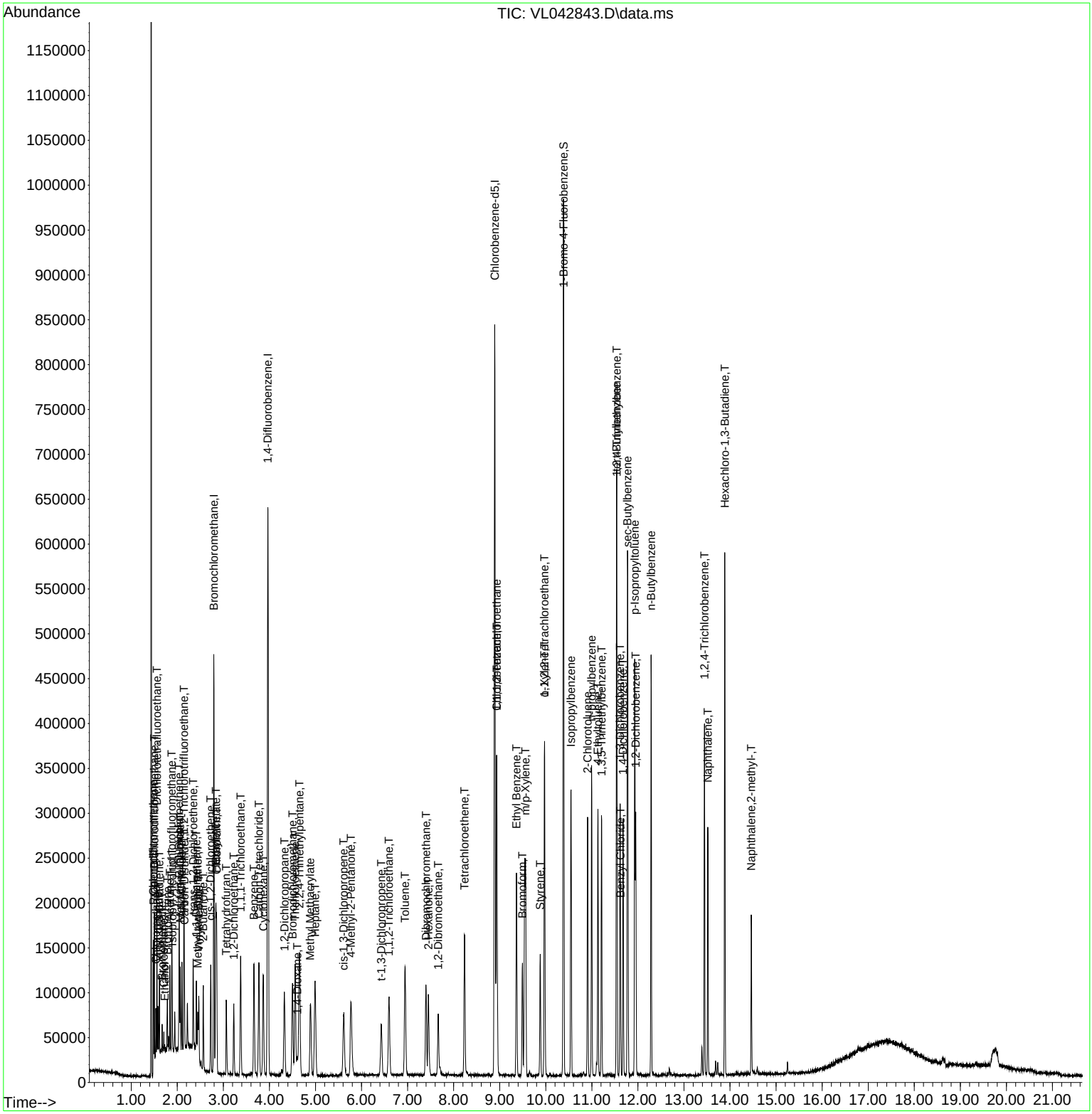
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042843.D
Acq On : 13 Aug 2025 09:06
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:46:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042844.D
Acq On : 13 Aug 2025 09:41
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:47:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	128542	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	400305	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	349577	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	265708	10.135	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	19603	1.041	ppbv	99
3) Chlorodifluoromethane	1.476	51	20833	0.999	ppbv	93
4) Chloromethane	1.535	50	7948	1.045	ppbv	96
5) Vinyl Chloride	1.583	62	7189	0.960	ppbv	96
6) Bromomethane	1.667	94	3446	1.151	ppbv	84
7) Chloroethane	1.706	64	3089	1.056	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	15872	1.030	ppbv	100
9) Propene	1.486	41	8897	0.989	ppbv	89
10) Heptane	4.985	43	25850m	1.075	ppbv	
11) Trichlorofluoromethane	1.881	101	19701	1.060	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	15446	1.043	ppbv	97
13) Ethanol	1.722	45	883m	0.991	ppbv	
14) Bromoethene	1.784	108	5343	0.996	ppbv #	78
15) Acetone	1.839	43	18961	1.115	ppbv	98
16) 1,3-Butadiene	1.609	39	8133	1.055	ppbv	98
17) tert-Butyl alcohol	2.046	59	21342	1.058	ppbv #	93
18) 1,1-Dichloroethene	2.040	96	6549	1.006	ppbv	93
19) Isopropyl Alcohol	1.888	45	10893	1.073	ppbv #	39
20) Methylene Chloride	2.062	84	7661	1.076	ppbv #	90
21) Allyl Chloride	2.098	41	11598	0.966	ppbv	88
22) trans-1,2-Dichloroethene	2.344	96	7882m	1.082	ppbv	
23) Vinyl Acetate	2.467	43	22270	0.996	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	15727	1.045	ppbv	98
25) Ethyl Acetate	2.842	43	43007	1.045	ppbv	98
26) Hexane	2.829	57	19944	1.050	ppbv	92
27) Carbon Disulfide	2.153	76	19450	1.052	ppbv #	2
28) Methyl tert-Butyl Ether	2.444	73	9600	0.991	ppbv #	88
29) Chloroform	2.852	83	28055	1.034	ppbv	97
30) Cyclohexane	3.865	84	16492	0.990	ppbv	90
31) cis-1,2-Dichloroethene	2.723	61	19591	1.031	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	27607	0.961	ppbv	97
34) 2-Butanone	2.564	43	28105	1.040	ppbv	98
35) Carbon Tetrachloride	3.768	117	28008	1.015	ppbv	93
36) Benzene	3.661	78	39137	1.021	ppbv #	94
37) 1,2-Dichloroethane	3.224	62	20645	1.031	ppbv	97
38) Trichloroethene	4.555	130	17921	1.024	ppbv #	89
39) 1,2-Dichloropropane	4.325	63	14595m	1.042	ppbv	
40) 1,4-Dioxane	4.603	88	7386m	1.127	ppbv	
41) Tetrahydrofuran	3.062	42	15552	1.032	ppbv	94
42) Bromodichloromethane	4.499	83	29683	0.995	ppbv	99
43) Methyl Methacrylate	4.885	69	16073m	1.022	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	68813m	1.069	ppbv	
45) t-1,3-Dichloropropene	6.419	75	18580m	1.042	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042844.D
Acq On : 13 Aug 2025 09:41
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:47:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.610	75	22372	0.999	ppbv		94
47)	1,1,2-Trichloroethane	6.597	97	15295	1.032	ppbv		86
48)	Dibromochloromethane	7.396	129	24214	1.009	ppbv		99
49)	Bromoform	9.490	173	20579	1.040	ppbv		98
50)	4-Methyl-2-Pentanone	5.768	43	36710	1.001	ppbv		98
51)	2-Hexanone	7.451	43	29487	1.026	ppbv	#	99
52)	Tetrachloroethene	8.235	164	13322	0.960	ppbv		90
53)	Toluene	6.946	91	47256	1.036	ppbv		99
54)	1,2-Dibromoethane	7.665	107	21280	0.982	ppbv		99
56)	1,1,1,2-Tetrachloroethane	8.930	131	19176	1.061	ppbv		96
57)	Chlorobenzene	8.930	112	34617	1.041	ppbv	#	91
58)	Ethyl Benzene	9.361	91	65223	1.057	ppbv		95
59)	m/p-Xylene	9.558	91	101634m	2.098	ppbv		
60)	o-Xylene	9.969	91	51445	1.058	ppbv		99
61)	Styrene	9.879	104	23660	1.038	ppbv		100
62)	Isopropylbenzene	10.546	105	76708	1.079	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.969	83	27410	1.032	ppbv		98
64)	n-propylbenzene	10.995	120	18462	1.018	ppbv		90
65)	tert-Butylbenzene	11.536	119	69617	1.111	ppbv		99
66)	Benzyl Chloride	11.617	91	7900	0.993	ppbv		98
67)	sec-Butylbenzene	11.772	105	96288	1.095	ppbv		98
69)	p-Isopropyltoluene	11.931	119	82934	1.098	ppbv		99
70)	n-Butylbenzene	12.287	91	80511	1.075	ppbv		99
71)	2-Chlorotoluene	10.908	91	60086	1.089	ppbv		100
72)	4-Ethyltoluene	11.131	105	63147	1.071	ppbv		99
73)	1,3,5-Trimethylbenzene	11.206	105	53676	1.070	ppbv		95
74)	1,2,4-Trimethylbenzene	11.539	105	59633	1.083	ppbv		96
75)	1,3-Dichlorobenzene	11.610	146	33061	1.057	ppbv		98
76)	1,4-Dichlorobenzene	11.675	146	33064	1.045	ppbv		96
77)	1,2-Dichlorobenzene	11.950	146	33404	1.090	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.886	225	29555	1.177	ppbv		95
79)	Naphthalene	13.517	128	57580	1.169	ppbv		97
80)	Naphthalene,2-methyl-	14.462	142	19375	1.045	ppbv		96
81)	1,2,4-Trichlorobenzene	13.442	180	27861	1.111	ppbv		99

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

Quantitation Report (QT Reviewed)

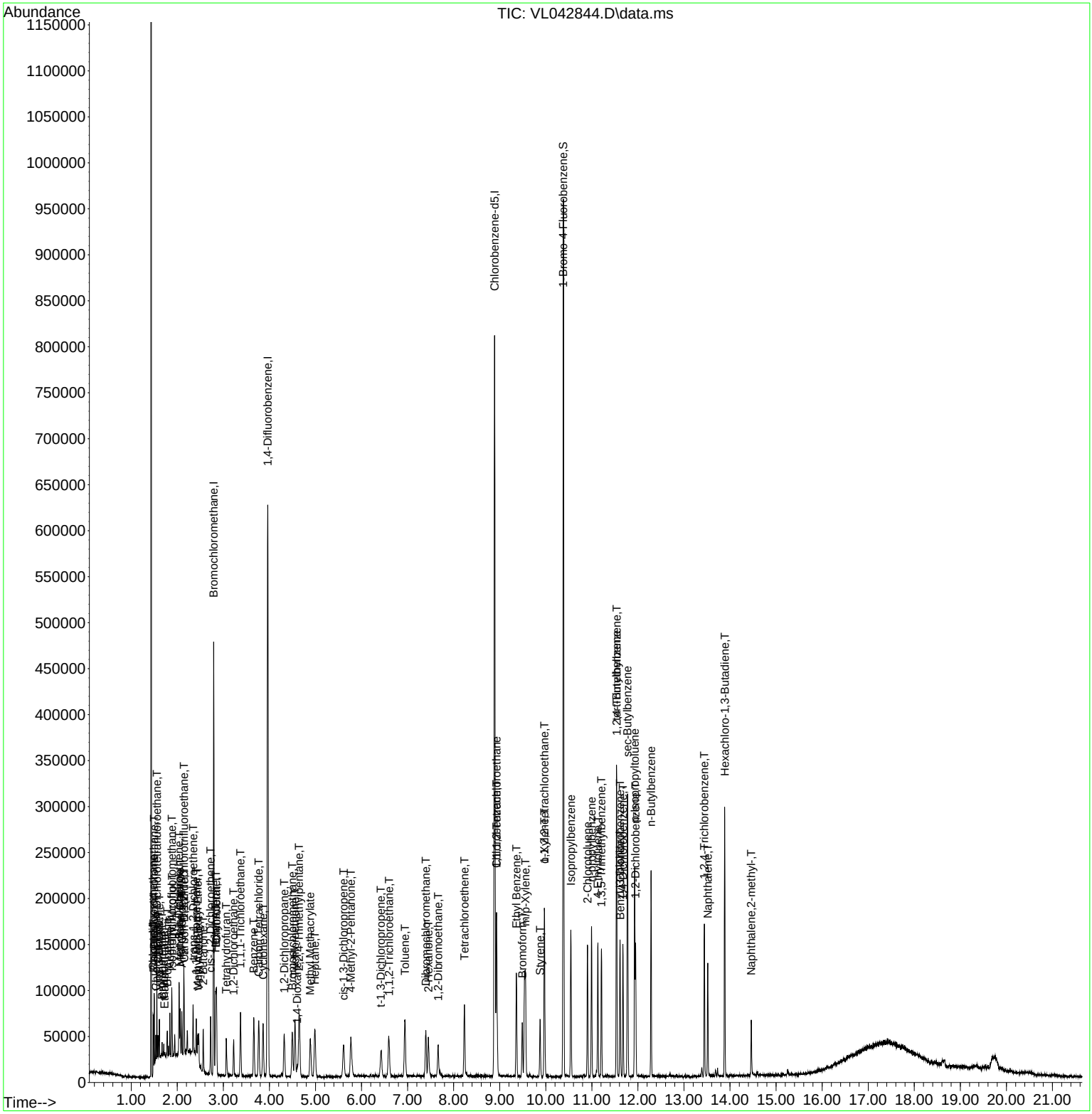
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042844.D
Acq On : 13 Aug 2025 09:41
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:47:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042845.D
Acq On : 13 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:48:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	126879	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	396264	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	348005	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	262663	10.064	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	9937	0.534	ppbv	100
3) Chlorodifluoromethane	1.479	51	11115	0.540	ppbv	96
4) Chloromethane	1.538	50	4112	0.548	ppbv	90
5) Vinyl Chloride	1.586	62	3762	0.509	ppbv	94
6) Bromomethane	1.674	94	1576	0.533	ppbv	82
7) Chloroethane	1.709	64	1690	0.586	ppbv #	85
8) Dichlorotetrafluoroethane	1.557	85	8079	0.531	ppbv	95
9) Propene	1.489	41	5225	0.589	ppbv	91
10) Heptane	4.998	43	12747	0.537	ppbv	93
11) Trichlorofluoromethane	1.884	101	10238	0.558	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	7984	0.546	ppbv	98
13) Ethanol	1.725	45	562	0.639	ppbv #	1
14) Bromoethene	1.787	108	2932	0.554	ppbv #	85
15) Acetone	1.842	43	10836	0.646	ppbv	98
16) 1,3-Butadiene	1.612	39	4970	0.653	ppbv	99
17) tert-Butyl alcohol	2.049	59	12182	0.612	ppbv #	89
18) 1,1-Dichloroethene	2.039	96	3501	0.545	ppbv	92
19) Isopropyl Alcohol	1.891	45	6194	0.618	ppbv #	56
20) Methylene Chloride	2.069	84	5025	0.715	ppbv	90
21) Allyl Chloride	2.104	41	7120	0.600	ppbv #	76
22) trans-1,2-Dichloroethene	2.350	96	3996	0.556	ppbv	96
23) Vinyl Acetate	2.470	43	13709	0.621	ppbv #	98
24) 1,1-Dichloroethane	2.418	63	8354	0.562	ppbv #	96
25) Ethyl Acetate	2.845	43	22148	0.545	ppbv #	96
26) Hexane	2.832	57	9879	0.527	ppbv	85
27) Carbon Disulfide	2.156	76	9539	0.523	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	5284	0.553	ppbv #	62
29) Chloroform	2.858	83	14586	0.545	ppbv	100
30) Cyclohexane	3.868	84	9037	0.550	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	10308	0.550	ppbv #	86
32) 1,1,1-Trichloroethane	3.379	97	14011	0.494	ppbv	97
34) 2-Butanone	2.567	43	14923	0.558	ppbv	100
35) Carbon Tetrachloride	3.774	117	13507	0.494	ppbv	97
36) Benzene	3.671	78	20073	0.529	ppbv	98
37) 1,2-Dichloroethane	3.230	62	10141	0.512	ppbv #	93
38) Trichloroethene	4.564	130	9918	0.572	ppbv #	88
39) 1,2-Dichloropropane	4.334	63	7491	0.541	ppbv	86
40) 1,4-Dioxane	4.613	88	3743m	0.577	ppbv	
41) Tetrahydrofuran	3.072	42	7827	0.525	ppbv	93
42) Bromodichloromethane	4.509	83	15580	0.527	ppbv #	94
43) Methyl Methacrylate	4.897	69	8461m	0.544	ppbv	
44) 2,2,4-Trimethylpentane	4.661	57	34237m	0.537	ppbv	
45) t-1,3-Dichloropropene	6.435	75	8911m	0.505	ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042845.D
Acq On : 13 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:48:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.622	75	11259m	0.508	ppbv		
47)	1,1,2-Trichloroethane	6.603	97	7835m	0.534	ppbv		
48)	Dibromochloromethane	7.406	129	11805	0.497	ppbv		100
49)	Bromoform	9.497	173	9232	0.471	ppbv		95
50)	4-Methyl-2-Pentanone	5.778	43	19028m	0.524	ppbv		
51)	2-Hexanone	7.458	43	14329	0.503	ppbv	#	99
52)	Tetrachloroethene	8.244	164	7304	0.531	ppbv	#	87
53)	Toluene	6.956	91	24155m	0.535	ppbv		
54)	1,2-Dibromoethane	7.668	107	10873	0.507	ppbv		90
56)	1,1,1,2-Tetrachloroethane	8.940	131	9300	0.517	ppbv	#	1
57)	Chlorobenzene	8.937	112	17845	0.539	ppbv	#	96
58)	Ethyl Benzene	9.370	91	32261	0.525	ppbv		99
59)	m/p-Xylene	9.561	91	50372m	1.045	ppbv		
60)	o-Xylene	9.979	91	26662	0.551	ppbv		100
61)	Styrene	9.885	104	12379	0.546	ppbv		95
62)	Isopropylbenzene	10.552	105	37401	0.529	ppbv		98
63)	1,1,2,2-Tetrachloroethane	9.976	83	13828	0.523	ppbv		95
64)	n-propylbenzene	10.998	120	9922	0.550	ppbv		98
65)	tert-Butylbenzene	11.542	119	33183	0.532	ppbv		97
66)	Benzyl Chloride	11.626	91	4039	0.510	ppbv	#	97
67)	sec-Butylbenzene	11.778	105	46433	0.530	ppbv		96
69)	p-Isopropyltoluene	11.934	119	40686	0.541	ppbv		99
70)	n-Butylbenzene	12.290	91	38867	0.521	ppbv		99
71)	2-Chlorotoluene	10.911	91	29736	0.541	ppbv		97
72)	4-Ethyltoluene	11.138	105	30234	0.515	ppbv		97
73)	1,3,5-Trimethylbenzene	11.212	105	26942	0.540	ppbv		99
74)	1,2,4-Trimethylbenzene	11.545	105	29750	0.543	ppbv		94
75)	1,3-Dichlorobenzene	11.617	146	16311	0.524	ppbv		95
76)	1,4-Dichlorobenzene	11.681	146	16803	0.533	ppbv		98
77)	1,2-Dichlorobenzene	11.956	146	16306	0.535	ppbv		97
78)	Hexachloro-1,3-Butadiene	13.885	225	14165	0.567	ppbv		99
79)	Naphthalene	13.520	128	24056	0.491	ppbv		96
80)	Naphthalene,2-methyl-	14.465	142	7482	0.405	ppbv		95
81)	1,2,4-Trichlorobenzene	13.449	180	10844	0.434	ppbv		97

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

Quantitation Report (QT Reviewed)

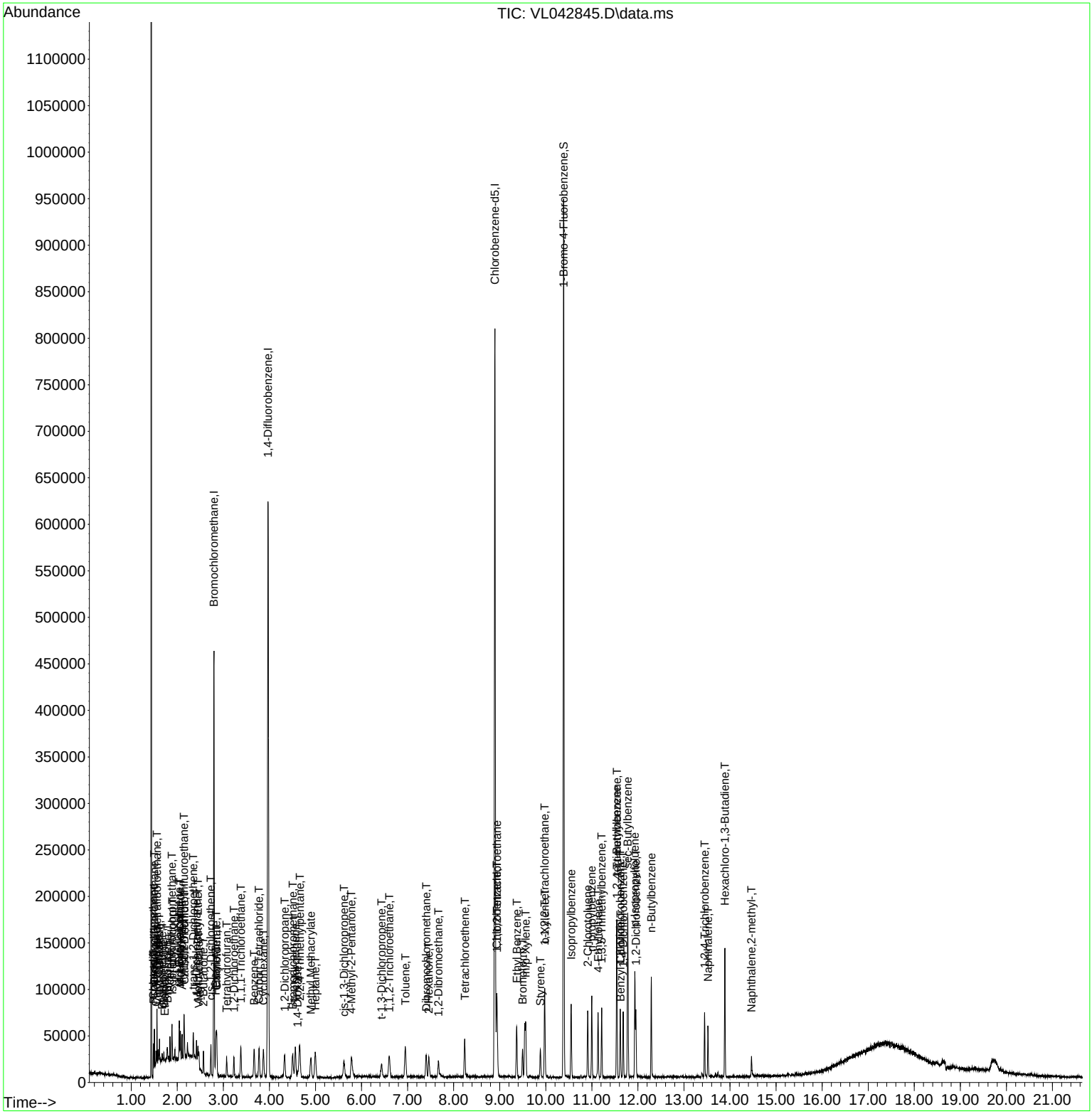
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042845.D
Acq On : 13 Aug 2025 10:17
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:48:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042846.D
Acq On : 13 Aug 2025 10:53
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:49:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	123711	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	390520	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	345073	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	257439	9.948	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.500%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	790	0.110	ppbv #	86
32) 1,1,1-Trichloroethane	3.373	97	3128m	0.113	ppbv	
35) Carbon Tetrachloride	3.774	117	2883	0.107	ppbv	89
38) Trichloroethene	4.557	130	1748m	0.102	ppbv	
52) Tetrachloroethene	8.234	164	1479m	0.109	ppbv	
54) 1,2-Dibromoethane	7.665	107	2339m	0.111	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.972	83	2672	0.102	ppbv	99
79) Naphthalene	13.520	128	4051m	0.083	ppbv	

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

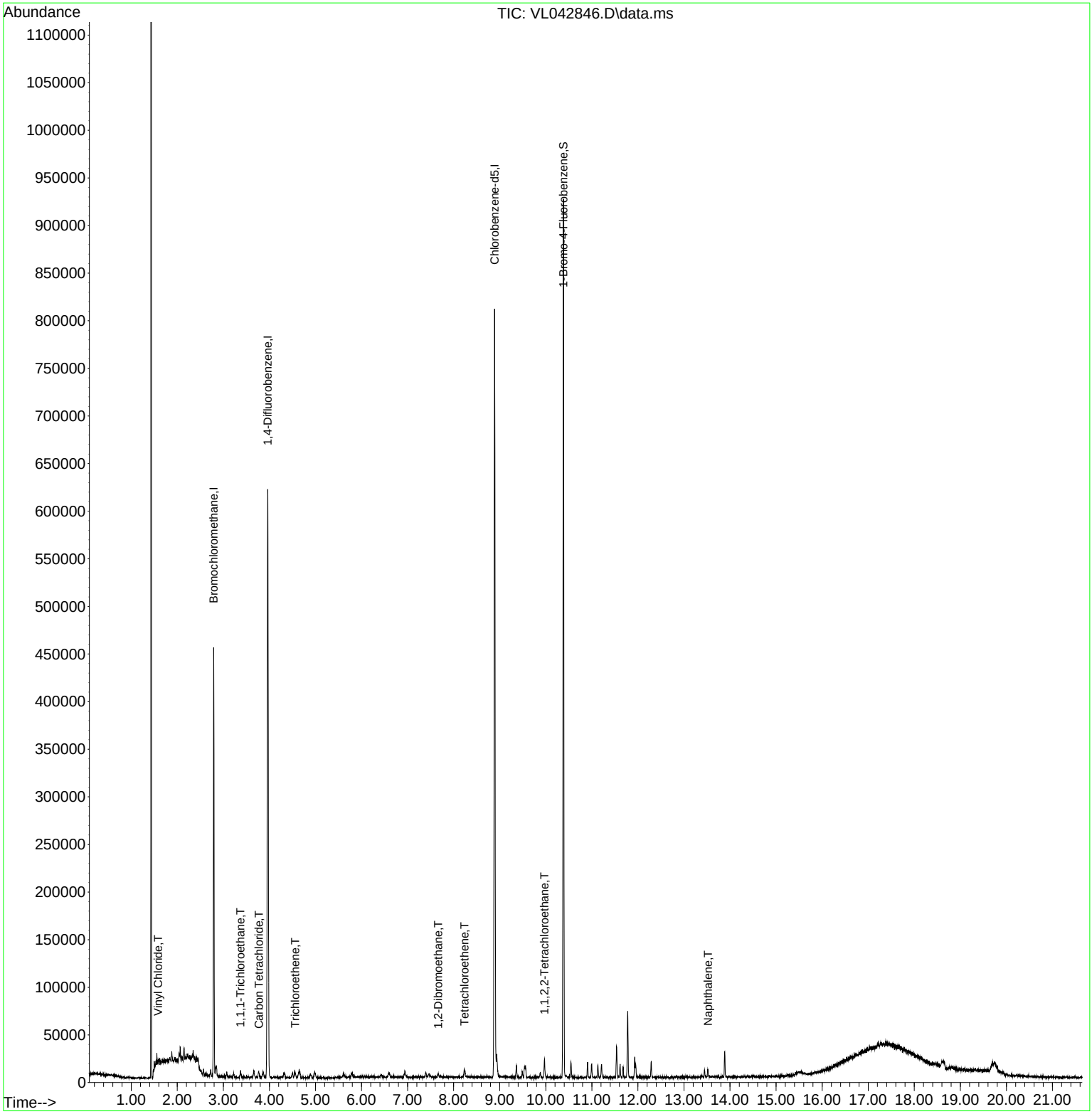
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042846.D
Acq On : 13 Aug 2025 10:53
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:49:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042847.D
Acq On : 13 Aug 2025 11:30
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:50:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	122705	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	390076	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	339700	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	250082	9.816	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.200%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	268	0.037	ppbv	# 81
32) 1,1,1-Trichloroethane	3.379	97	901m	0.033	ppbv	
35) Carbon Tetrachloride	3.774	117	861m	0.032	ppbv	
38) Trichloroethene	4.573	130	487m	0.029	ppbv	
52) Tetrachloroethene	8.241	164	458m	0.034	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.979	83	898m	0.035	ppbv	

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

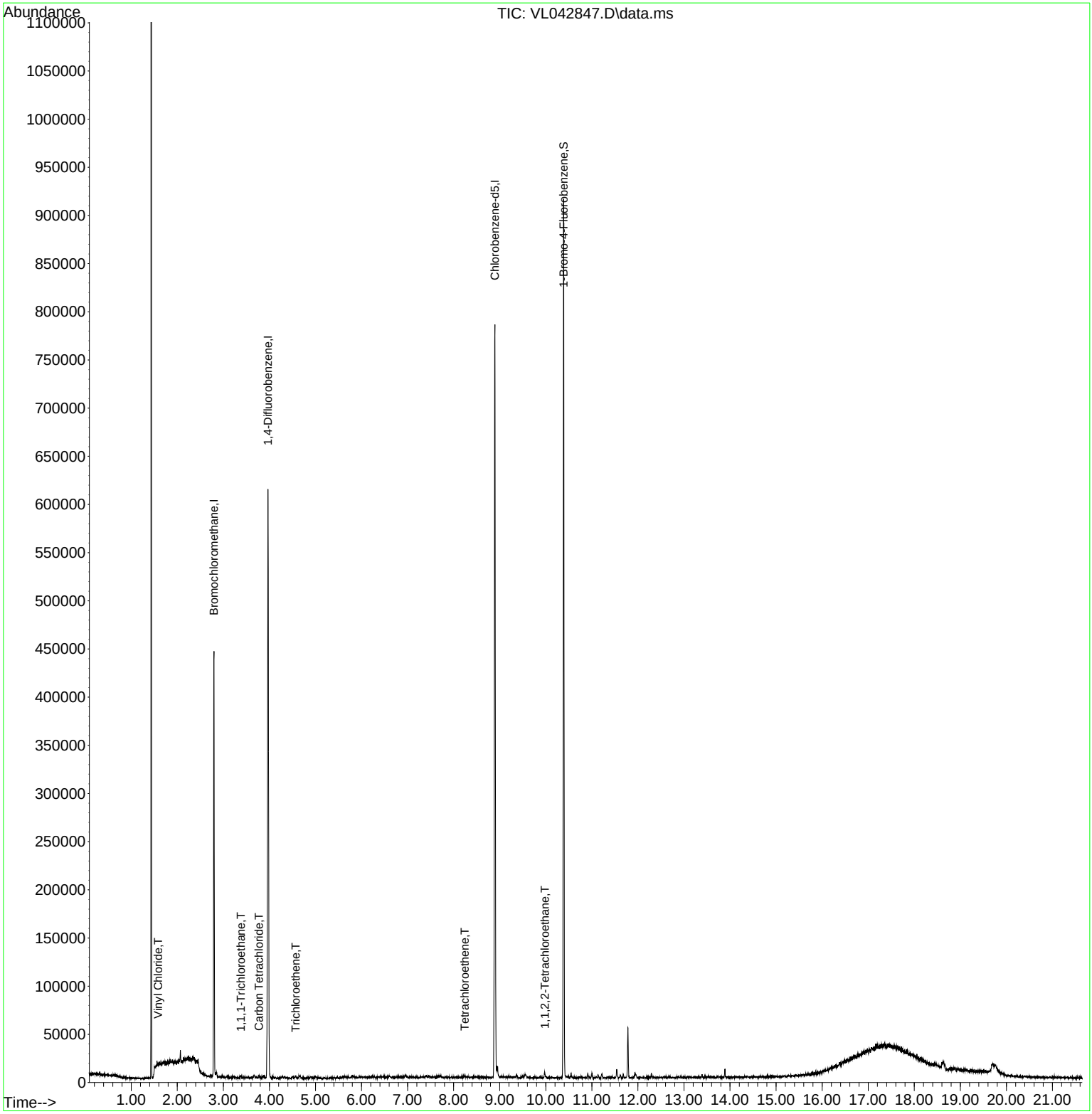
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042847.D
Acq On : 13 Aug 2025 11:30
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:50:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042848.D
Acq On : 13 Aug 2025 12:06
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	122073	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	380877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	337876	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	254655	10.050	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	253151	14.150	ppbv	99
3) Chlorodifluoromethane	1.480	51	275350	13.910	ppbv	99
4) Chloromethane	1.535	50	100974	13.986	ppbv	99
5) Vinyl Chloride	1.583	62	92812	13.053	ppbv	100
6) Bromomethane	1.671	94	37740	13.275	ppbv	96
7) Chloroethane	1.706	64	38398	13.828	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	205386	14.029	ppbv	98
9) Propene	1.486	41	111824	13.094	ppbv	99
10) Heptane	4.988	43	313734	13.742	ppbv	99
11) Trichlorofluoromethane	1.881	101	246354	13.957	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	195231	13.877	ppbv	99
13) Ethanol	1.722	45	8534	10.086	ppbv	98
14) Bromoethene	1.784	108	71671	14.072	ppbv	99
15) Acetone	1.839	43	184116	11.402	ppbv	100
16) 1,3-Butadiene	1.612	39	92068	12.577	ppbv	100
17) tert-Butyl alcohol	2.043	59	244441	12.765	ppbv	100
18) 1,1-Dichloroethene	2.036	96	86349	13.961	ppbv	97
19) Isopropyl Alcohol	1.887	45	124270	12.885	ppbv	99
20) Methylene Chloride	2.065	84	77749	11.494	ppbv	97
21) Allyl Chloride	2.101	41	156318	13.703	ppbv	95
22) trans-1,2-Dichloroethene	2.344	96	100064	14.465	ppbv	95
23) Vinyl Acetate	2.467	43	309236	14.557	ppbv	98
24) 1,1-Dichloroethane	2.412	63	199276	13.944	ppbv	98
25) Ethyl Acetate	2.839	43	533600	13.653	ppbv	99
26) Hexane	2.833	57	250189	13.869	ppbv	98
27) Carbon Disulfide	2.153	76	246868	14.062	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	129978	14.131	ppbv	91
29) Chloroform	2.855	83	360661	14.003	ppbv	99
30) Cyclohexane	3.865	84	222820	14.088	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	249376	13.821	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	377739	13.851	ppbv	100
34) 2-Butanone	2.561	43	348815	13.563	ppbv	99
35) Carbon Tetrachloride	3.771	117	367354	13.990	ppbv	97
36) Benzene	3.664	78	511811	14.033	ppbv	99
37) 1,2-Dichloroethane	3.224	62	278934	14.639	ppbv	99
38) Trichloroethene	4.558	130	227091	13.634	ppbv	96
39) 1,2-Dichloropropane	4.325	63	186277	13.984	ppbv	95
40) 1,4-Dioxane	4.593	88	82385	13.212	ppbv #	91
41) Tetrahydrofuran	3.056	42	200751	14.001	ppbv	99
42) Bromodichloromethane	4.499	83	408089	14.372	ppbv	97
43) Methyl Methacrylate	4.888	69	206590	13.808	ppbv	99
44) 2,2,4-Trimethylpentane	4.652	57	850847	13.895	ppbv	99
45) t-1,3-Dichloropropene	6.428	75	244117	14.387	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042848.D
Acq On : 13 Aug 2025 12:06
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	cis-1,3-Dichloropropene	5.616	75	302339	14.191	ppbv	98
47)	1,1,2-Trichloroethane	6.597	97	199067	14.118	ppbv	98
48)	Dibromochloromethane	7.399	129	331947	14.535	ppbv	99
49)	Bromoform	9.494	173	266732	14.162	ppbv	100
50)	4-Methyl-2-Pentanone	5.758	43	490917	14.073	ppbv	100
51)	2-Hexanone	7.448	43	389940	14.255	ppbv	100
52)	Tetrachloroethene	8.238	164	168712	12.772	ppbv	98
53)	Toluene	6.943	91	605941	13.961	ppbv	100
54)	1,2-Dibromoethane	7.665	107	292327	14.173	ppbv	97
56)	1,1,1,2-Tetrachloroethane	8.934	131	241293	13.810	ppbv	99
57)	Chlorobenzene	8.934	112	439109	13.668	ppbv	99
58)	Ethyl Benzene	9.364	91	826316	13.859	ppbv	99
59)	m/p-Xylene	9.561	91	1294381m	27.650	ppbv	
60)	o-Xylene	9.973	91	629445	13.389	ppbv	100
61)	Styrene	9.882	104	304560	13.827	ppbv	99
62)	Isopropylbenzene	10.549	105	931574	13.559	ppbv	99
63)	1,1,2,2-Tetrachloroethane	9.973	83	342890	13.356	ppbv	98
64)	n-propylbenzene	10.999	120	239209	13.646	ppbv	98
65)	tert-Butylbenzene	11.539	119	785250	12.965	ppbv	98
66)	Benzyl Chloride	11.623	91	104698	13.617	ppbv	99
67)	sec-Butylbenzene	11.775	105	1115979	13.127	ppbv	100
69)	p-Isopropyltoluene	11.931	119	940888	12.891	ppbv	98
70)	n-Butylbenzene	12.287	91	970700	13.410	ppbv	100
71)	2-Chlorotoluene	10.911	91	713696	13.378	ppbv	99
72)	4-Ethyltoluene	11.134	105	782057	13.722	ppbv	99
73)	1,3,5-Trimethylbenzene	11.212	105	650280	13.418	ppbv	99
74)	1,2,4-Trimethylbenzene	11.546	105	691709	13.003	ppbv	95
75)	1,3-Dichlorobenzene	11.617	146	402850	13.321	ppbv	99
76)	1,4-Dichlorobenzene	11.678	146	407214	13.314	ppbv	98
77)	1,2-Dichlorobenzene	11.953	146	385866	13.031	ppbv	99
78)	Hexachloro-1,3-Butadiene	13.886	225	281581	11.602	ppbv	99
79)	Naphthalene	13.517	128	658732	13.837	ppbv	100
80)	Naphthalene,2-methyl-	14.462	142	251753	14.042	ppbv	100
81)	1,2,4-Trichlorobenzene	13.445	180	329641	13.599	ppbv	100

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

Quantitation Report (QT Reviewed)

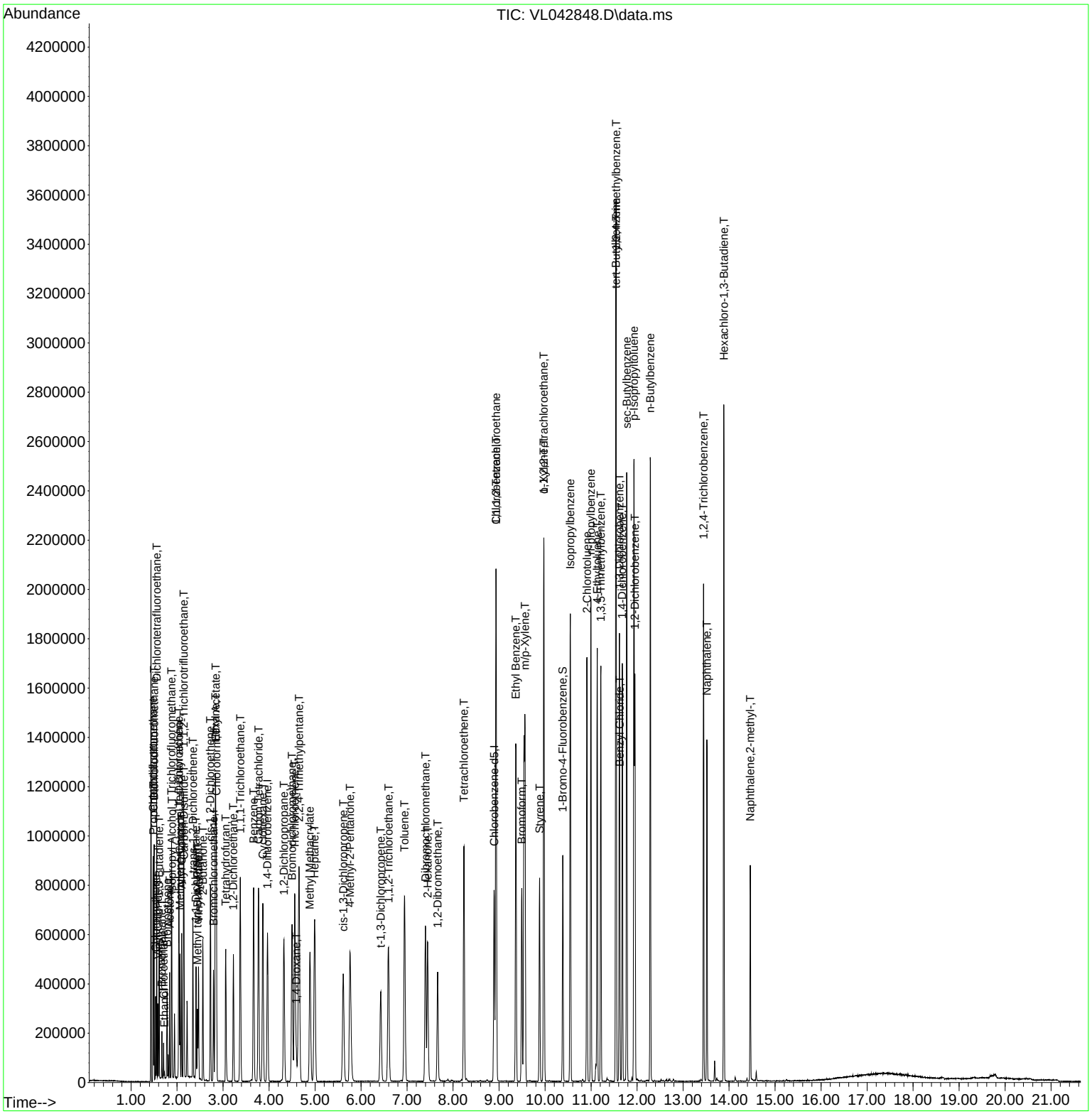
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042848.D
Acq On : 13 Aug 2025 12:06
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	122486	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	374448	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	333493	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	252268	10.086	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	163446	9.105	ppbv	96
3) Chlorodifluoromethane	1.476	51	185078	9.327	ppbv	100
4) Chloromethane	1.535	50	63634	8.784	ppbv	100
5) Vinyl Chloride	1.583	62	58729	8.232	ppbv	96
6) Bromomethane	1.670	94	25105	8.801	ppbv	97
7) Chloroethane	1.706	64	23293	8.360	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	135845	9.248	ppbv	99
9) Propene	1.483	41	76457	8.922	ppbv	97
10) Heptane	4.988	43	206333	8.990	ppbv	99
11) Trichlorofluoromethane	1.881	101	154211	8.707	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	124558	8.824	ppbv	99
13) Ethanol	1.722	45	6016	7.678	ppbv	96
14) Bromoethene	1.784	108	46528	9.105	ppbv	98
15) Acetone	1.839	43	119723	7.389	ppbv	99
16) 1,3-Butadiene	1.612	39	60853	8.285	ppbv	99
17) tert-Butyl alcohol	2.043	59	166457	8.663	ppbv	99
18) 1,1-Dichloroethene	2.036	96	56397	9.087	ppbv	94
19) Isopropyl Alcohol	1.887	45	78832	8.146	ppbv	98
20) Methylene Chloride	2.065	84	47793	7.041	ppbv	90
21) Allyl Chloride	2.098	41	102514	8.956	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	63932	8.904	ppbv	95
23) Vinyl Acetate	2.467	43	198083	8.891	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	127660	8.903	ppbv	99
25) Ethyl Acetate	2.839	43	362325	9.240	ppbv	99
26) Hexane	2.829	57	167364	9.246	ppbv	97
27) Carbon Disulfide	2.153	76	155729	8.841	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	82126	8.898	ppbv	92
29) Chloroform	2.855	83	242320	9.377	ppbv	99
30) Cyclohexane	3.865	84	147417	9.289	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	166268	9.196	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	252813	9.256	ppbv	99
34) 2-Butanone	2.561	43	230961	9.135	ppbv	100
35) Carbon Tetrachloride	3.771	117	244671	9.478	ppbv	95
36) Benzene	3.664	78	343952	9.592	ppbv	98
37) 1,2-Dichloroethane	3.224	62	187160	9.991	ppbv	100
38) Trichloroethene	4.558	130	150693	9.202	ppbv	96
39) 1,2-Dichloropropane	4.324	63	123566	9.436	ppbv	97
40) 1,4-Dioxane	4.590	88	55292	8.879	ppbv #	93
41) Tetrahydrofuran	3.059	42	132108	9.372	ppbv	99
42) Bromodichloromethane	4.499	83	270154	9.678	ppbv	99
43) Methyl Methacrylate	4.888	69	136329	9.229	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	565415	9.290	ppbv	100
45) t-1,3-Dichloropropene	6.428	75	160784	9.645	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	199988m	9.628	ppbv		
47) 1,1,2-Trichloroethane	6.597	97	132548	9.553	ppbv		99
48) Dibromochloromethane	7.399	129	217970	9.708	ppbv		100
49) Bromoform	9.493	173	174914	9.446	ppbv		99
50) 4-Methyl-2-Pentanone	5.765	43	322264	9.430	ppbv		100
51) 2-Hexanone	7.445	43	263321	9.791	ppbv	#	98
52) Tetrachloroethene	8.234	164	110828	8.544	ppbv		89
53) Toluene	6.946	91	398138	9.340	ppbv		100
54) 1,2-Dibromoethane	7.665	107	193340	9.535	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.937	131	160225	9.291	ppbv		99
57) Chlorobenzene	8.933	112	297375	9.378	ppbv		97
58) Ethyl Benzene	9.364	91	554015	9.414	ppbv		100
59) m/p-Xylene	9.561	91	865106m	18.754	ppbv		
60) o-Xylene	9.972	91	428721	9.239	ppbv		99
61) Styrene	9.879	104	203858	9.377	ppbv		100
62) Isopropylbenzene	10.549	105	624287	9.206	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.972	83	225237	8.826	ppbv		100
64) n-propylbenzene	10.998	120	158234	9.145	ppbv		97
65) tert-Butylbenzene	11.539	119	534795	8.946	ppbv		98
66) Benzyl Chloride	11.623	91	68533	9.031	ppbv		99
67) sec-Butylbenzene	11.775	105	762602	9.088	ppbv		100
69) p-Isopropyltoluene	11.934	119	634670	8.810	ppbv		98
70) n-Butylbenzene	12.287	91	647453	9.062	ppbv		99
71) 2-Chlorotoluene	10.908	91	485171	9.214	ppbv		98
72) 4-Ethyltoluene	11.131	105	525262	9.338	ppbv		100
73) 1,3,5-Trimethylbenzene	11.212	105	435705	9.108	ppbv		98
74) 1,2,4-Trimethylbenzene	11.542	105	469573	8.943	ppbv		94
75) 1,3-Dichlorobenzene	11.613	146	274876	9.209	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	270976	8.976	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	255347	8.736	ppbv		98
78) Hexachloro-1,3-Butadiene	13.886	225	186318	7.778	ppbv		97
79) Naphthalene	13.520	128	441940	9.284	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	145644	8.188	ppbv		98
81) 1,2,4-Trichlorobenzene	13.445	180	215715	9.016	ppbv		99

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

Quantitation Report (QT Reviewed)

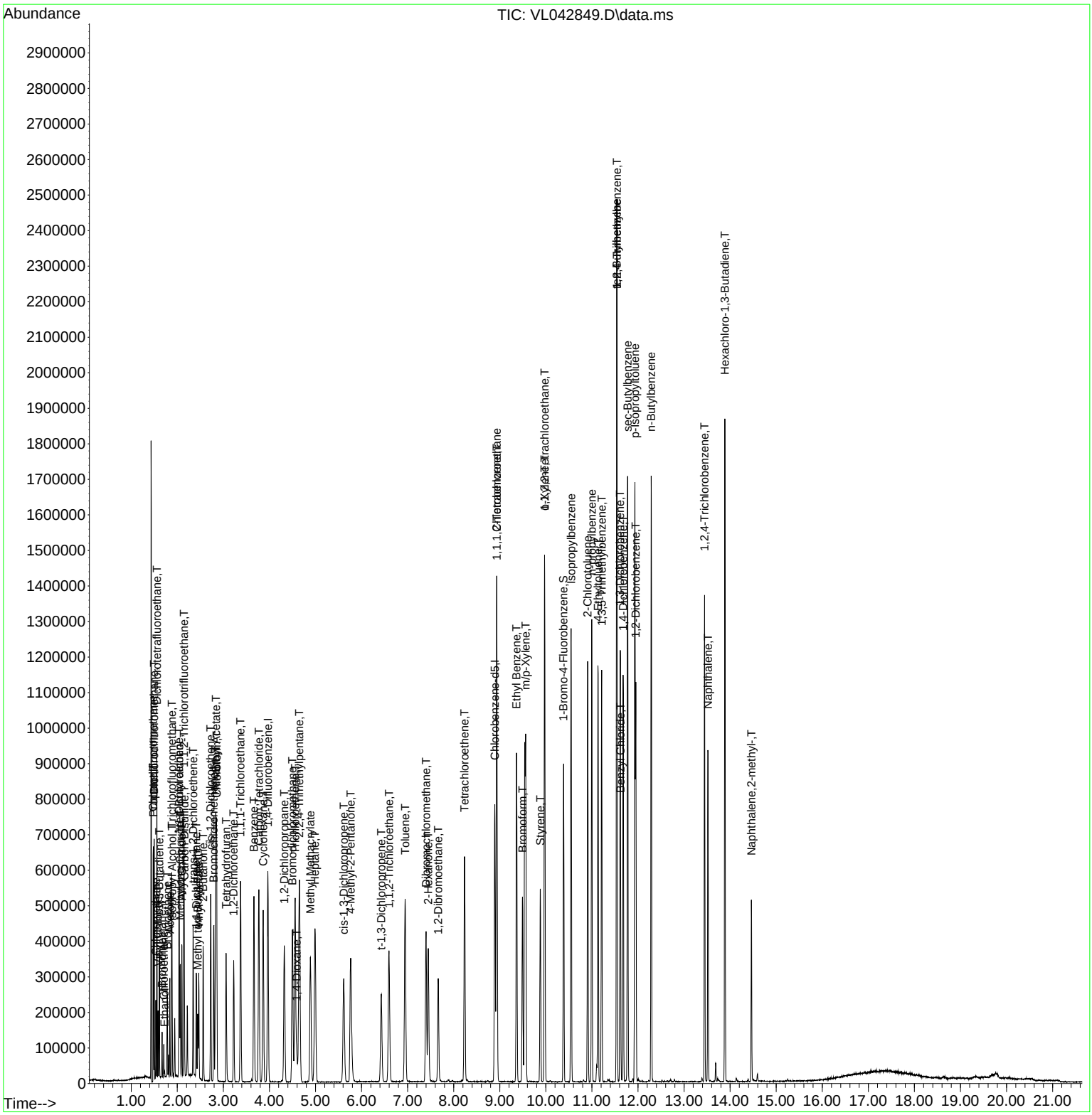
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 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	92	0.00
2	T	Dichlorodifluoromethane	1.466	1.334	9.0	91	0.00
3		Chlorodifluoromethane	1.620	1.511	6.7	92	0.00
4		Chloromethane	0.591	0.520	12.0	90	0.00
5	T	Vinyl Chloride	0.582	0.479	17.7	88	0.00
6	T	Bromomethane	0.233	0.205	12.0	93	0.00
7		Chloroethane	0.227	0.190	16.3	87	0.00
8	T	Dichlorotetrafluoroethane	1.199	1.109	7.5	91	0.00
9	T	Propene	0.700	0.624	10.9	88	0.00
10	T	Heptane	1.874	1.685	10.1	90	0.00
11	T	Trichlorofluoromethane	1.446	1.259	12.9	91	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.152	1.017	11.7	89	0.00
13		Ethanol	0.064	0.049#	23.4	97	0.00
14	T	Bromoethene	0.417	0.380	8.9	92	0.00
15	T	Acetone	1.323	0.977	26.2	95	0.00
16	T	1,3-Butadiene	0.600	0.497	17.2	91	0.00
17		tert-Butyl alcohol	1.569	1.359	13.4	91	0.00
18	T	1,1-Dichloroethene	0.507	0.460	9.3	90	0.00
19	T	Isopropyl Alcohol	0.790	0.644	18.5	91	0.00
20	T	Methylene Chloride	0.554	0.390	29.6	87	0.00
21	T	Allyl Chloride	0.935	0.837	10.5	91	0.00
22	T	trans-1,2-Dichloroethene	0.586	0.522	10.9	89	0.00
23	T	Vinyl Acetate	1.819	1.617	11.1	89	0.00
24	T	1,1-Dichloroethane	1.171	1.042	11.0	92	0.00
25	T	Ethyl Acetate	3.202	2.958	7.6	93	0.00
26	T	Hexane	1.478	1.366	7.6	90	0.00
27	T	Carbon Disulfide	1.438	1.271	11.6	89	0.00
28	T	Methyl tert-Butyl Ether	0.754	0.670	11.1	93	0.00
29	T	Chloroform	2.110	1.978	6.3	94	0.00
30	T	Cyclohexane	1.296	1.204	7.1	91	0.00
31	T	cis-1,2-Dichloroethene	1.476	1.357	8.1	93	0.00
32	T	1,1,1-Trichloroethane	2.230	2.064	7.4	95	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34	T	2-Butanone	0.675	0.617	8.6	92	0.00
35	T	Carbon Tetrachloride	0.689	0.653	5.2	93	0.00
36	T	Benzene	0.958	0.919	4.1	91	0.00
37	T	1,2-Dichloroethane	0.500	0.500	0.0	94	0.00
38	T	Trichloroethene	0.437	0.402	8.0	91	0.00
39	T	1,2-Dichloropropane	0.350	0.330	5.7	92	0.00
40	T	1,4-Dioxane	0.166	0.148	10.8	90	0.00
41	T	Tetrahydrofuran	0.376	0.353	6.1	90	0.00
42	T	Bromodichloromethane	0.745	0.721	3.2	92	0.00
43		Methyl Methacrylate	0.394	0.364	7.6	90	0.00
44	T	2,2,4-Trimethylpentane	1.625	1.510	7.1	90	0.00
45	T	t-1,3-Dichloropropene	0.445	0.429	3.6	91	0.00
46	T	cis-1,3-Dichloropropene	0.555	0.534	3.8	90	0.00
47	T	1,1,2-Trichloroethane	0.371	0.354	4.6	94	0.00
48	T	Dibromochloromethane	0.600	0.582	3.0	90	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 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	0.495	0.467	5.7	86	0.00
50	T	4-Methyl-2-Pentanone	0.913	0.861	5.7	88	0.00
51	T	2-Hexanone	0.718	0.703	2.1	91	0.00
52	T	Tetrachloroethene	0.346	0.296	14.5	86	0.00
53	T	Toluene	1.138	1.063	6.6	90	0.00
54	T	1,2-Dibromoethane	0.542	0.516	4.8	92	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	0.517	0.480	7.2	91	0.00
57	T	Chlorobenzene	0.951	0.892	6.2	91	0.00
58	T	Ethyl Benzene	1.765	1.661	5.9	91	0.00
59	T	m/p-Xylene	1.383	1.297	6.2	91	0.02
60	T	o-Xylene	1.391	1.286	7.5	91	0.00
61	T	Styrene	0.652	0.611	6.3	90	0.00
62		Isopropylbenzene	2.033	1.872	7.9	91	0.00
63	T	1,1,2,2-Tetrachloroethane	0.765	0.675	11.8	90	0.00
64		n-propylbenzene	0.519	0.474	8.7	90	0.00
65		tert-Butylbenzene	1.793	1.604	10.5	90	0.00
66	T	Benzyl Chloride	0.228	0.206	9.6	81	0.00
67		sec-Butylbenzene	2.516	2.287	9.1	92	0.00
68	S	1-Bromo-4-Fluorobenzene	0.750	0.756	-0.8	90	0.00
69		p-Isopropyltoluene	2.160	1.903	11.9	90	0.00
70		n-Butylbenzene	2.142	1.941	9.4	91	0.00
71		2-Chlorotoluene	1.579	1.455	7.9	92	0.00
72	T	4-Ethyltoluene	1.687	1.575	6.6	91	0.00
73	T	1,3,5-Trimethylbenzene	1.434	1.306	8.9	91	0.00
74	T	1,2,4-Trimethylbenzene	1.574	1.408	10.5	91	0.00
75	T	1,3-Dichlorobenzene	0.895	0.824	7.9	89	0.00
76	T	1,4-Dichlorobenzene	0.905	0.813	10.2	88	0.00
77	T	1,2-Dichlorobenzene	0.876	0.766	12.6	88	0.00
78	T	Hexachloro-1,3-Butadiene	0.718	0.559	22.1	88	0.00
79	T	Naphthalene	1.427	1.325	7.1	91	0.00
80	T	Naphthalene,2-methyl-	0.533	0.437	18.0	82	0.00
81	T	1,2,4-Trichlorobenzene	0.717	0.647	9.8	88	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\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 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	92	0.00
2	T	Dichlorodifluoromethane	10.000	9.105	8.9	91	0.00
3		Chlorodifluoromethane	10.000	9.327	6.7	92	0.00
4		Chloromethane	10.000	8.784	12.2	90	0.00
5	T	Vinyl Chloride	10.000	8.232	17.7	88	0.00
6	T	Bromomethane	10.000	8.801	12.0	93	0.00
7		Chloroethane	10.000	8.360	16.4	87	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.248	7.5	91	0.00
9	T	Propene	10.000	8.922	10.8	88	0.00
10	T	Heptane	10.000	8.990	10.1	90	0.00
11	T	Trichlorofluoromethane	10.000	8.707	12.9	91	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	8.824	11.8	89	0.00
13		Ethanol	10.000	7.678	23.2	97	0.00
14	T	Bromoethene	10.000	9.105	8.9	92	0.00
15	T	Acetone	10.000	7.389	26.1	95	0.00
16	T	1,3-Butadiene	10.000	8.285	17.1	91	0.00
17		tert-Butyl alcohol	10.000	8.663	13.4	91	0.00
18	T	1,1-Dichloroethene	10.000	9.087	9.1	90	0.00
19	T	Isopropyl Alcohol	10.000	8.146	18.5	91	0.00
20	T	Methylene Chloride	10.000	7.041	29.6	87	0.00
21	T	Allyl Chloride	10.000	8.956	10.4	91	0.00
22	T	trans-1,2-Dichloroethene	10.000	8.904	11.0	89	0.00
23	T	Vinyl Acetate	10.000	8.891	11.1	89	0.00
24	T	1,1-Dichloroethane	10.000	8.903	11.0	92	0.00
25	T	Ethyl Acetate	10.000	9.240	7.6	93	0.00
26	T	Hexane	10.000	9.246	7.5	90	0.00
27	T	Carbon Disulfide	10.000	8.841	11.6	89	0.00
28	T	Methyl tert-Butyl Ether	10.000	8.898	11.0	93	0.00
29	T	Chloroform	10.000	9.377	6.2	94	0.00
30	T	Cyclohexane	10.000	9.289	7.1	91	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.196	8.0	93	0.00
32	T	1,1,1-Trichloroethane	10.000	9.256	7.4	95	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	91	0.00
34	T	2-Butanone	10.000	9.135	8.7	92	0.00
35	T	Carbon Tetrachloride	10.000	9.478	5.2	93	0.00
36	T	Benzene	10.000	9.592	4.1	91	0.00
37	T	1,2-Dichloroethane	10.000	9.991	0.1	94	0.00
38	T	Trichloroethene	10.000	9.202	8.0	91	0.00
39	T	1,2-Dichloropropane	10.000	9.436	5.6	92	0.00
40	T	1,4-Dioxane	10.000	8.879	11.2	90	0.00
41	T	Tetrahydrofuran	10.000	9.372	6.3	90	0.00
42	T	Bromodichloromethane	10.000	9.678	3.2	92	0.00
43		Methyl Methacrylate	10.000	9.229	7.7	90	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.290	7.1	90	0.00
45	T	t-1,3-Dichloropropene	10.000	9.645	3.6	91	0.00
46	T	cis-1,3-Dichloropropene	10.000	9.628	3.7	90	0.00
47	T	1,1,2-Trichloroethane	10.000	9.553	4.5	94	0.00
48	T	Dibromochloromethane	10.000	9.708	2.9	90	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042849.D
Acq On : 13 Aug 2025 12:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL081325

Quant Time: Aug 14 02:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	9.446	5.5	86	0.00
50	T	4-Methyl-2-Pentanone	10.000	9.430	5.7	88	0.00
51	T	2-Hexanone	10.000	9.791	2.1	91	0.00
52	T	Tetrachloroethene	10.000	8.544	14.6	86	0.00
53	T	Toluene	10.000	9.340	6.6	90	0.00
54	T	1,2-Dibromoethane	10.000	9.535	4.6	92	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.291	7.1	91	0.00
57	T	Chlorobenzene	10.000	9.378	6.2	91	0.00
58	T	Ethyl Benzene	10.000	9.414	5.9	91	0.00
59	T	m/p-Xylene	20.000	18.754	6.2	91	0.02
60	T	o-Xylene	10.000	9.239	7.6	91	0.00
61	T	Styrene	10.000	9.377	6.2	90	0.00
62		Isopropylbenzene	10.000	9.206	7.9	91	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	8.826	11.7	90	0.00
64		n-propylbenzene	10.000	9.145	8.6	90	0.00
65		tert-Butylbenzene	10.000	8.946	10.5	90	0.00
66	T	Benzyl Chloride	10.000	9.031	9.7	81	0.00
67		sec-Butylbenzene	10.000	9.088	9.1	92	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.086	-0.9	90	0.00
69		p-Isopropyltoluene	10.000	8.810	11.9	90	0.00
70		n-Butylbenzene	10.000	9.062	9.4	91	0.00
71		2-Chlorotoluene	10.000	9.214	7.9	92	0.00
72	T	4-Ethyltoluene	10.000	9.338	6.6	91	0.00
73	T	1,3,5-Trimethylbenzene	10.000	9.108	8.9	91	0.00
74	T	1,2,4-Trimethylbenzene	10.000	8.943	10.6	91	0.00
75	T	1,3-Dichlorobenzene	10.000	9.209	7.9	89	0.00
76	T	1,4-Dichlorobenzene	10.000	8.976	10.2	88	0.00
77	T	1,2-Dichlorobenzene	10.000	8.736	12.6	88	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	7.778	22.2	88	0.00
79	T	Naphthalene	10.000	9.284	7.2	91	0.00
80	T	Naphthalene,2-methyl-	10.000	8.188	18.1	82	0.00
81	T	1,2,4-Trichlorobenzene	10.000	9.016	9.8	88	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.: Q2834
Instrument ID: MSVOA_L
Calibration Date/Time: 08/13/2025 08:30
Lab File ID: VL042842.D
Init. Calib. Date(s): 08/13/2025 08/13/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 08:30 12:06
GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Vinyl Chloride	0.582	0.502		-13.75	
Heptane	1.874	1.718		-8.32	
1,1-Dichloroethene	0.507	0.469		-7.49	
Cyclohexane	1.296	1.214		-6.33	
cis-1,2-Dichloroethene	1.476	1.346		-8.81	
1,1,1-Trichloroethane	2.230	1.999		-10.36	
2,2,4-Trimethylpentane	1.625	1.515		-6.77	
Benzene	0.958	0.912		-4.8	
Trichloroethene	0.437	0.399		-8.7	
Toluene	1.138	1.072		-5.8	
Tetrachloroethene	0.346	0.313		-9.54	
Ethyl Benzene	1.765	1.636		-7.31	
m/p-Xylene	1.383	1.283		-7.23	
o-Xylene	1.391	1.266		-8.99	
1,3,5-Trimethylbenzene	1.434	1.293		-9.83	
1,2,4-Trimethylbenzene	1.574	1.394		-11.44	
Naphthalene	1.427	1.315		-7.85	
1-Bromo-4-Fluorobenzene	0.750	0.755		0.67	
Hexane	1.478	1.392		-5.82	

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\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	133104	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	413632	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	370372	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	279557	10.064	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	178799	9.166	ppbv	100
3) Chlorodifluoromethane	1.476	51	200866	9.306	ppbv	100
4) Chloromethane	1.534	50	70952	9.013	ppbv	100
5) Vinyl Chloride	1.583	62	66768	8.612	ppbv	100
6) Bromomethane	1.670	94	26964	8.698	ppbv	100
7) Chloroethane	1.706	64	26884	8.879	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	149341	9.355	ppbv	100
9) Propene	1.486	41	87352	9.380	ppbv	100
10) Heptane	4.988	43	228679	9.186	ppbv	100
11) Trichlorofluoromethane	1.881	101	169157	8.789	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	139340	9.083	ppbv	100
13) Ethanol	1.722	45	6172	6.690	ppbv	100
14) Bromoethene	1.784	108	50730	9.135	ppbv	100
15) Acetone	1.839	43	126419	7.180	ppbv	100
16) 1,3-Butadiene	1.612	39	66595	8.343	ppbv	100
17) tert-Butyl alcohol	2.043	59	182511	8.741	ppbv	100
18) 1,1-Dichloroethene	2.036	96	62397	9.252	ppbv	100
19) Isopropyl Alcohol	1.887	45	86367	8.213	ppbv	100
20) Methylene Chloride	2.065	84	55107	7.471	ppbv	100
21) Allyl Chloride	2.098	41	113105	9.093	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	71518	9.482	ppbv	100
23) Vinyl Acetate	2.467	43	221395	9.558	ppbv	100
24) 1,1-Dichloroethane	2.412	63	138444	8.885	ppbv	100
25) Ethyl Acetate	2.839	43	390295	9.159	ppbv	100
26) Hexane	2.829	57	185288	9.420	ppbv	100
27) Carbon Disulfide	2.153	76	174928	9.138	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	87929	8.767	ppbv	100
29) Chloroform	2.852	83	257176	9.158	ppbv	100
30) Cyclohexane	3.862	84	161540	9.367	ppbv	100
31) cis-1,2-Dichloroethene	2.726	61	179162	9.107	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	266021	8.946	ppbv	100
34) 2-Butanone	2.560	43	252300	9.033	ppbv	100
35) Carbon Tetrachloride	3.771	117	262983	9.222	ppbv	100
36) Benzene	3.664	78	377113	9.521	ppbv	100
37) 1,2-Dichloroethane	3.224	62	199762	9.653	ppbv	100
38) Trichloroethene	4.557	130	164881	9.115	ppbv	100
39) 1,2-Dichloropropane	4.324	63	133996	9.263	ppbv	100
40) 1,4-Dioxane	4.590	88	61378	9.064	ppbv #	100
41) Tetrahydrofuran	3.059	42	147025	9.442	ppbv	100
42) Bromodichloromethane	4.499	83	292909	9.499	ppbv	100
43) Methyl Methacrylate	4.891	69	152035	9.357	ppbv	100
44) 2,2,4-Trimethylpentane	4.648	57	626465	9.420	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	177207	9.616	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	222921	9.635	ppbv		100
47) 1,1,2-Trichloroethane	6.590	97	141105	9.215	ppbv		100
48) Dibromochloromethane	7.396	129	241553	9.739	ppbv		100
49) Bromoform	9.490	173	202975	9.923	ppbv		100
50) 4-Methyl-2-Pentanone	5.761	43	364306	9.616	ppbv		100
51) 2-Hexanone	7.441	43	289052	9.730	ppbv	#	100
52) Tetrachloroethene	8.234	164	129484	9.026	ppbv		100
53) Toluene	6.943	91	443400	9.407	ppbv		100
54) 1,2-Dibromoethane	7.661	107	209330	9.345	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.933	131	176135	9.196	ppbv		100
57) Chlorobenzene	8.930	112	325303	9.237	ppbv		100
58) Ethyl Benzene	9.364	91	605785	9.268	ppbv		100
59) m/p-Xylene	9.542	91	950548m	18.524	ppbv		
60) o-Xylene	9.972	91	469073	9.102	ppbv		100
61) Styrene	9.879	104	226056	9.362	ppbv		100
62) Isopropylbenzene	10.549	105	685983	9.108	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.972	83	249621	8.870	ppbv		100
64) n-propylbenzene	10.995	120	175986	9.158	ppbv		100
65) tert-Butylbenzene	11.539	119	594314	8.951	ppbv		100
66) Benzyl Chloride	11.620	91	84156	9.985	ppbv		100
67) sec-Butylbenzene	11.772	105	833378	8.943	ppbv		100
69) p-Isopropyltoluene	11.931	119	705700	8.820	ppbv		100
70) n-Butylbenzene	12.287	91	713713	8.995	ppbv		100
71) 2-Chlorotoluene	10.908	91	525235	8.981	ppbv		100
72) 4-Ethyltoluene	11.131	105	578931	9.267	ppbv		100
73) 1,3,5-Trimethylbenzene	11.209	105	478784	9.012	ppbv		100
74) 1,2,4-Trimethylbenzene	11.542	105	516253	8.853	ppbv		100
75) 1,3-Dichlorobenzene	11.613	146	307640	9.280	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	308542	9.203	ppbv		100
77) 1,2-Dichlorobenzene	11.953	146	289119	8.907	ppbv		100
78) Hexachloro-1,3-Butadiene	13.885	225	211996	7.968	ppbv		100
79) Naphthalene	13.516	128	487174	9.335	ppbv		100
80) Naphthalene,2-methyl-	14.462	142	176880	9.000	ppbv		100
81) 1,2,4-Trichlorobenzene	13.445	180	244998	9.220	ppbv		100

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

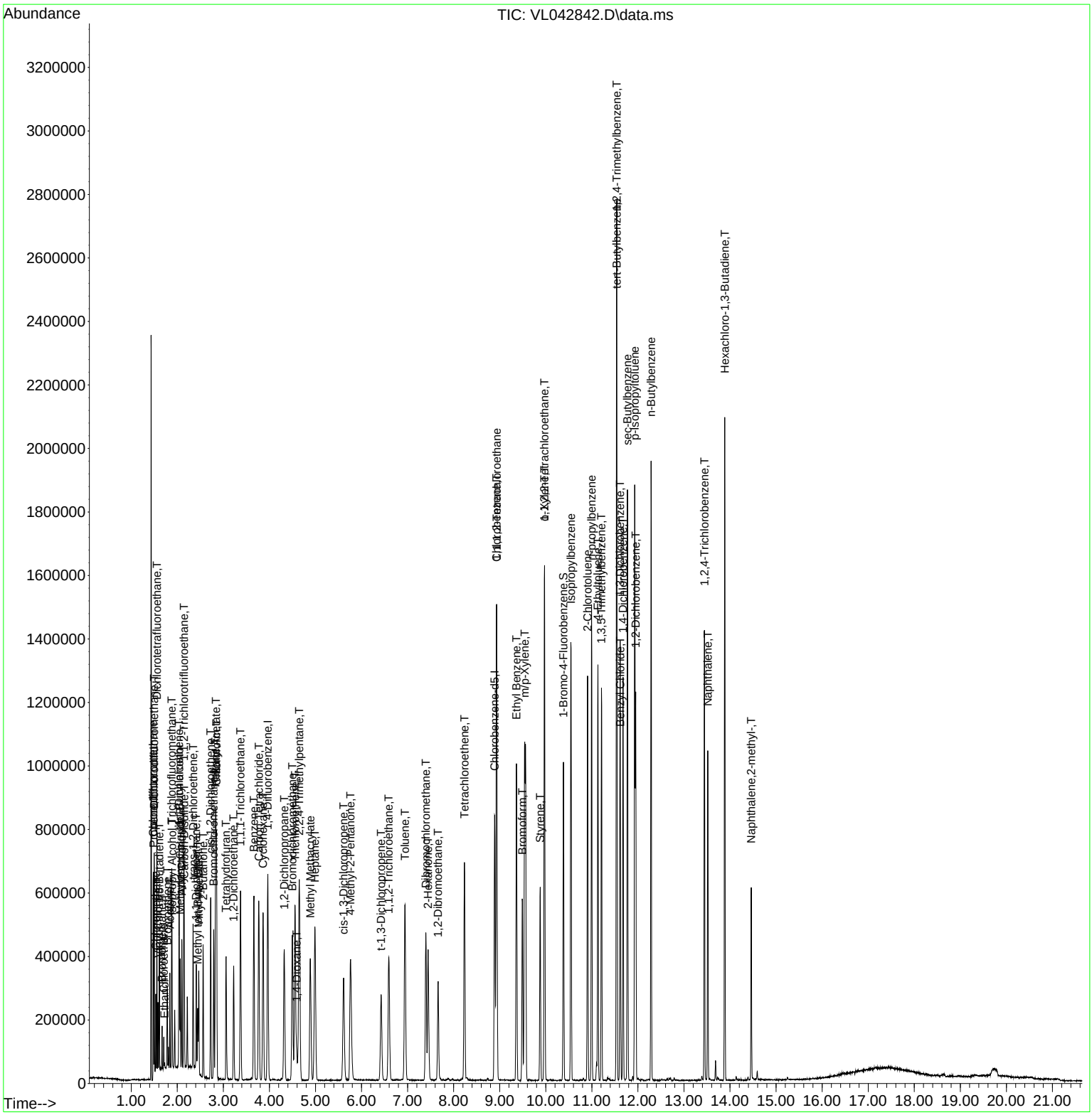
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042842.D
Acq On : 13 Aug 2025 08:30
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 01:45:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



QC SAMPLE DATA

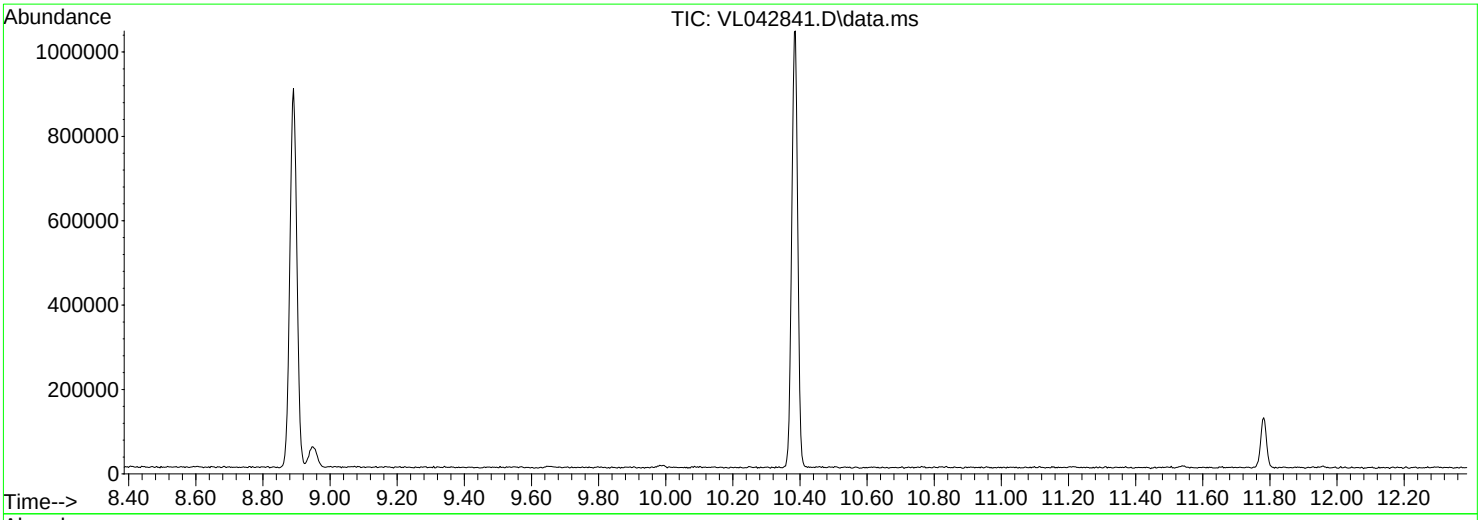
BFB

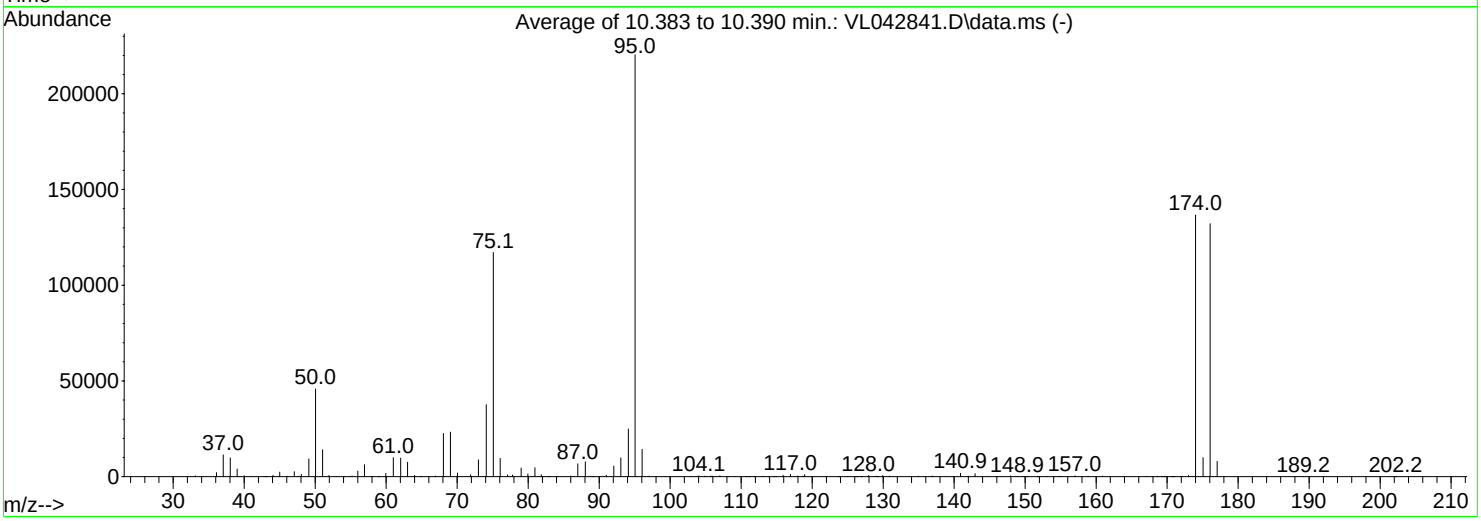
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042841.D
Acq On : 13 Aug 2025 07:45
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Aug 14 02:12:54 2025





AutoFind: Scans 3181, 3182, 3183; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.8	45819	PASS
75	95	30	66	53.1	117101	PASS
95	95	100	100	100.0	220336	PASS
96	95	5	9	6.5	14308	PASS
173	174	0.00	2	0.4	581	PASS
174	95	50	120	62.0	136669	PASS
175	174	4	9	7.3	9984	PASS
176	174	93	101	96.7	132147	PASS
177	176	5	9	6.1	8054	PASS

Average of 10.383 to 10.390 min.: VL042841.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	435	45.00	2327	54.85	120	64.00	68
36.10	2065	46.05	279	55.20	357	64.80	3
37.05	11354	47.05	2620	56.00	2948	65.95	9
38.05	9819	47.70	280	56.95	6253	66.90	32
39.00	4004	48.05	1145	57.90	171	68.05	22548
40.00	533	49.10	9251	58.10	91	69.05	23213
40.95	49	50.05	45819	58.90	22	70.05	1937
42.00	227	51.05	14036	59.95	1687	71.90	1041
42.80	161	51.95	671	61.00	9948	73.00	8793
43.05	39	52.95	188	62.05	9678	74.10	37600
44.05	666	53.95	37	63.00	7566	75.10	117101

Instrument :
MSVOA_L
ClientSampleId :
BFB

Average of 10.383 to 10.390 min.: VL042841.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
76.05	9555	87.00	6682	98.15	54	109.10	102
77.10	918	88.05	7760	99.30	64	110.70	18
77.80	815	88.80	77	102.95	130	111.15	1
79.00	4555	89.10	20	103.80	231	111.85	129
79.95	1463	91.00	725	104.05	430	112.95	69
80.95	4661	92.05	5511	104.85	224	113.20	121
81.85	1009	93.05	9746	105.05	89	113.80	17
82.80	45	94.10	24915	105.70	222	114.60	40
83.10	154	95.05	220336	105.90	378	115.00	164
84.10	59	96.05	14308	107.00	405	115.90	792
86.00	343	97.05	232	108.25	56	116.95	1160

Average of 10.383 to 10.390 min.: VL042841.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
117.95	357	127.95	629	138.85	68	147.95	426
118.70	248	128.70	103	139.80	86	148.90	159
118.95	989	129.00	282	140.05	107	149.70	172
120.00	35	129.20	46	140.90	1771	149.90	92
121.95	196	129.95	557	141.95	222	150.20	25
123.70	34	130.90	241	142.95	1603	151.70	42
124.00	187	131.95	49	143.90	46	152.10	65
125.00	93	134.00	75	144.75	112	152.90	115
125.90	42	134.95	263	145.80	52	153.10	90
126.30	20	135.85	80	146.05	101	154.10	102
126.90	38	136.90	300	146.70	83	154.70	65

Average of 10.383 to 10.390 min.: VL042841.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
154.90	185	170.60	19	189.20	100		
155.10	115	170.90	27	202.20	25		
157.00	453	171.05	82				
158.85	271	171.90	66				
160.90	247	172.20	170				
167.10	83	173.00	581				
168.00	69	174.00	136669				
168.60	43	175.05	9984				
169.20	47	176.05	132147				
169.60	20	177.05	8054				
170.05	75	177.95	182				

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

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	64 2nd St., Brooklyn, NY	Date Received:	
Client Sample ID:	VL0813ABL01	SDG No.:	Q2834
Lab Sample ID:	VL0813ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042850.D	1		08/13/25 13:46	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
142-82-5	Heptane	0.17	0.70	U	0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.15	0.59	U	0.59	1.98	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	0.080	0.26	U	0.26	1.60	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
108-88-3	Toluene	0.16	0.60	U	0.60	1.88	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	0.41	1.78	U	1.78	4.34	ug/m3
95-47-6	o-Xylene	0.21	0.91	U	0.91	2.17	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52	ug/m3
110-54-3	Hexane	0.16	0.56	U	0.56	1.76	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.0			65 - 135	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	120000		2.793			
540-36-3	1,4-Difluorobenzene	373000		3.968			
3114-55-4	Chlorobenzene-d5	325000		8.891			

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\VL081325\
Data File : VL042850.D
Acq On : 13 Aug 2025 13:46
Operator : SY/MD
Sample : VL0813ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABL01

Quant Time: Aug 14 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

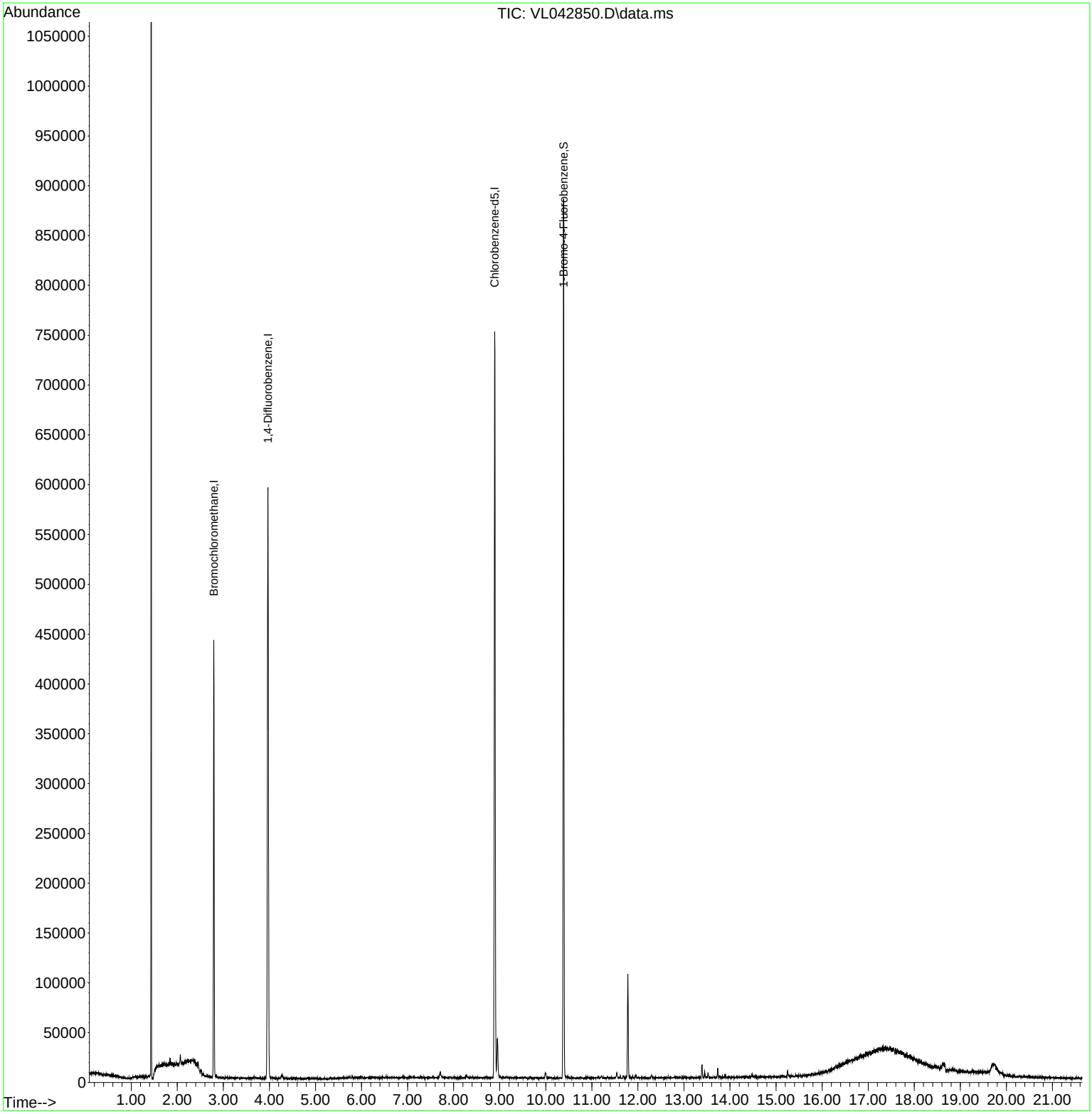
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	119946	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	373094	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	324853	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	243776	10.006	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.100%			
Target Compounds						Qvalue

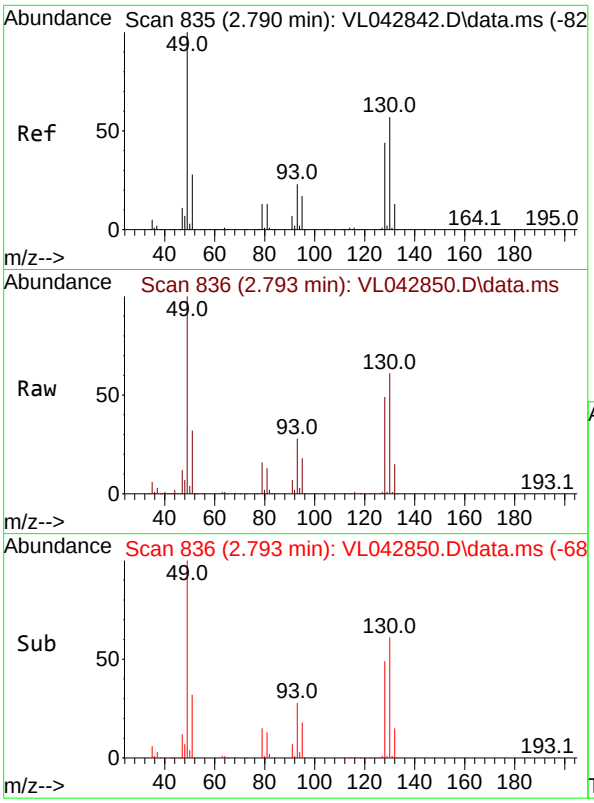
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042850.D
Acq On : 13 Aug 2025 13:46
Operator : SY/MD
Sample : VL0813ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABL01

Quant Time: Aug 14 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration



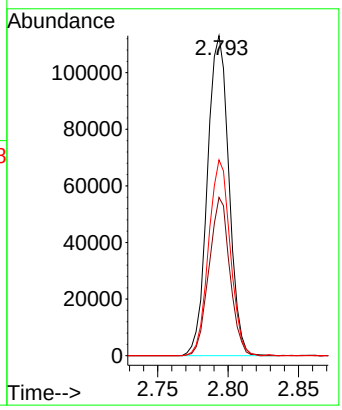


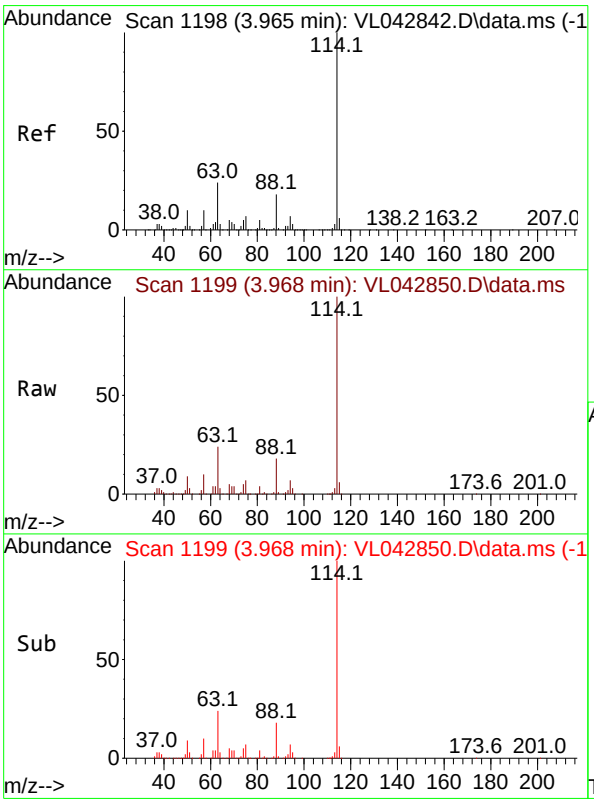
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABL01

Tgt Ion: 49 Resp: 119946

Ion	Ratio	Lower	Upper
49	100		
128	48.0	23.7	71.1
130	61.5	30.6	91.6

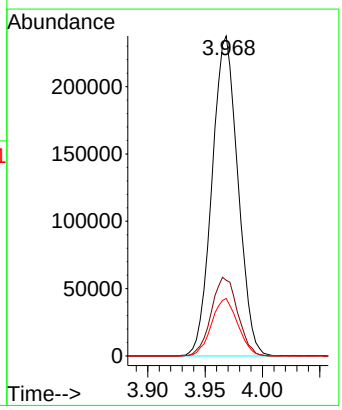


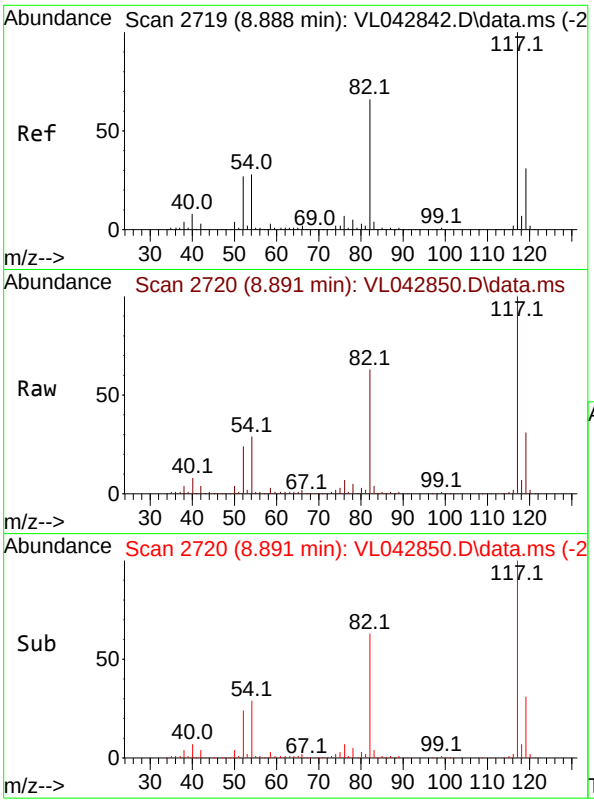


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Tgt Ion:114 Resp: 373094

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.7	29.5
88	18.2	14.4	21.6



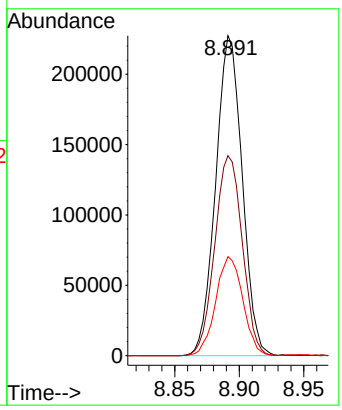


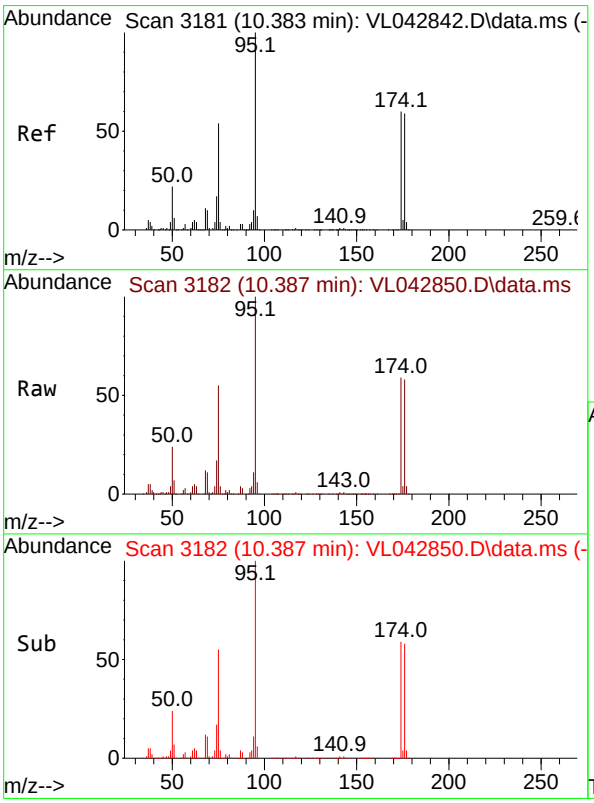
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABL01

Tgt Ion:117 Resp: 324853

Ion	Ratio	Lower	Upper
117	100		
82	64.9	54.6	81.8
119	31.9	25.9	38.9

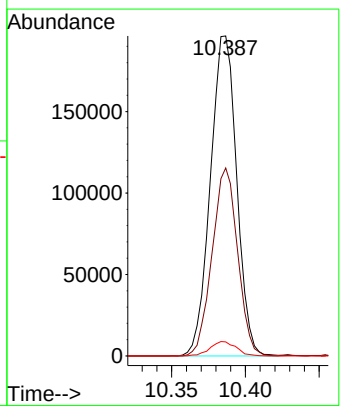




#68
1-Bromo-4-Fluorobenzene
Concen: 10.006 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042850.D
Acq: 13 Aug 2025 13:46

Tgt Ion: 95 Resp: 243776

Ion	Ratio	Lower	Upper
95	100		
174	57.2	48.4	72.6
175	4.5	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:	64 2nd St., Brooklyn, NY	Date Received:	
Client Sample ID:	VL0813ABS01	SDG No.:	Q2834
Lab Sample ID:	VL0813ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group2
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042851.D	1		08/13/25 14:32	VL081325

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	8.70	22.2		0.080	0.080	ug/m3
142-82-5	Heptane	9.10	37.3		0.70	2.05	ug/m3
75-35-4	1,1-Dichloroethene	9.40	37.3		0.59	1.98	ug/m3
110-82-7	Cyclohexane	9.30	32.0		0.76	1.72	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.20	36.5		0.40	1.98	ug/m3
71-55-6	1,1,1-Trichloroethane	9.40	51.3		0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.00	42.0		0.65	2.34	ug/m3
71-43-2	Benzene	9.40	30.0		0.26	1.60	ug/m3
79-01-6	Trichloroethene	8.90	47.8		0.11	0.16	ug/m3
108-88-3	Toluene	9.20	34.7		0.60	1.88	ug/m3
127-18-4	Tetrachloroethene	8.40	57.0		0.14	0.20	ug/m3
100-41-4	Ethyl Benzene	9.40	40.8		0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	18.8	81.7		1.78	4.34	ug/m3
95-47-6	o-Xylene	9.30	40.4		0.91	2.17	ug/m3
108-67-8	1,3,5-Trimethylbenzene	9.20	45.2		0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	9.00	44.3		0.88	2.46	ug/m3
91-20-3	Naphthalene	8.90	46.6		0.050	0.52	ug/m3
110-54-3	Hexane	9.20	32.4		0.56	1.76	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.1			65 - 135	101%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	117000		2.793			
540-36-3	1,4-Difluorobenzene	368000		3.968			
3114-55-4	Chlorobenzene-d5	322000		8.895			

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\VL081325\
Data File : VL042851.D
Acq On : 13 Aug 2025 14:32
Operator : SY/MD
Sample : VL0813ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 02:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	116881	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	368200	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	322291	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	244955	10.134	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	159958	9.338	ppbv	100
3) Chlorodifluoromethane	1.479	51	177225	9.360	ppbv	100
4) Chloromethane	1.534	50	62240	9.004	ppbv	99
5) Vinyl Chloride	1.583	62	59335	8.716	ppbv	99
6) Bromomethane	1.670	94	23152	8.505	ppbv	97
7) Chloroethane	1.706	64	23657	8.898	ppbv	91
8) Dichlorotetrafluoroethane	1.557	85	132763	9.471	ppbv	95
9) Propene	1.486	41	71030	8.686	ppbv	97
10) Heptane	4.991	43	199706	9.118	ppbv	98
11) Trichlorofluoromethane	1.881	101	153519	9.084	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	123905	9.198	ppbv	97
13) Ethanol	1.725	45	5608	7.501	ppbv	100
14) Bromoethene	1.784	108	45076	9.244	ppbv	98
15) Acetone	1.839	43	115155	7.448	ppbv	100
16) 1,3-Butadiene	1.612	39	58958	8.412	ppbv	99
17) tert-Butyl alcohol	2.043	59	158939	8.668	ppbv	99
18) 1,1-Dichloroethene	2.036	96	55494	9.371	ppbv	97
19) Isopropyl Alcohol	1.890	45	78860	8.540	ppbv	100
20) Methylene Chloride	2.065	84	48184	7.439	ppbv	90
21) Allyl Chloride	2.101	41	96710	8.854	ppbv	95
22) trans-1,2-Dichloroethene	2.347	96	62464	9.117	ppbv	94
23) Vinyl Acetate	2.467	43	206801	9.728	ppbv	99
24) 1,1-Dichloroethane	2.415	63	123052	8.993	ppbv	98
25) Ethyl Acetate	2.842	43	344281	9.200	ppbv	99
26) Hexane	2.832	57	159005	9.206	ppbv	97
27) Carbon Disulfide	2.156	76	153403	9.126	ppbv #	91
28) Methyl tert-Butyl Ether	2.444	73	84816	9.630	ppbv	93
29) Chloroform	2.855	83	234067	9.492	ppbv	99
30) Cyclohexane	3.865	84	140375	9.270	ppbv	99
31) cis-1,2-Dichloroethene	2.725	61	158712	9.199	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	245800	9.431	ppbv	100
34) 2-Butanone	2.560	43	224149	9.016	ppbv	100
35) Carbon Tetrachloride	3.771	117	235598	9.281	ppbv	96
36) Benzene	3.664	78	330026	9.360	ppbv	99
37) 1,2-Dichloroethane	3.227	62	181878	9.874	ppbv	98
38) Trichloroethene	4.557	130	144018	8.944	ppbv	95
39) 1,2-Dichloropropane	4.324	63	119442	9.275	ppbv	97
40) 1,4-Dioxane	4.593	88	54081m	8.832	ppbv	
41) Tetrahydrofuran	3.059	42	127578	9.204	ppbv	98
42) Bromodichloromethane	4.502	83	261380	9.522	ppbv	98
43) Methyl Methacrylate	4.894	69	131335	9.042	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	540935	9.039	ppbv	100
45) t-1,3-Dichloropropene	6.431	75	152588	9.309	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042851.D
Acq On : 13 Aug 2025 14:32
Operator : SY/MD
Sample : VL0813ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	cis-1,3-Dichloropropene	5.613	75	189646	9.285	ppbv	98
47)	1,1,2-Trichloroethane	6.597	97	127667	9.357	ppbv	97
48)	Dibromochloromethane	7.402	129	207804	9.412	ppbv	100
49)	Bromoform	9.493	173	168015	9.228	ppbv	100
50)	4-Methyl-2-Pentanone	5.768	43	312046	9.286	ppbv	100
51)	2-Hexanone	7.448	43	248690	9.404	ppbv	98
52)	Tetrachloroethene	8.238	164	107577	8.434	ppbv	94
53)	Toluene	6.949	91	386291	9.216	ppbv	100
54)	1,2-Dibromoethane	7.665	107	184932	9.275	ppbv	97
56)	1,1,1,2-Tetrachloroethane	8.937	131	156352	9.381	ppbv	98
57)	Chlorobenzene	8.933	112	285789	9.326	ppbv	98
58)	Ethyl Benzene	9.367	91	534013	9.389	ppbv	99
59)	m/p-Xylene	9.565	91	837335m	18.783	ppbv	
60)	o-Xylene	9.976	91	417423	9.308	ppbv	100
61)	Styrene	9.882	104	197790	9.414	ppbv	99
62)	Isopropylbenzene	10.548	105	607606	9.271	ppbv	98
63)	1,1,2,2-Tetrachloroethane	9.972	83	221716	8.990	ppbv	100
64)	n-propylbenzene	10.998	120	153914	9.205	ppbv	98
65)	tert-Butylbenzene	11.539	119	518992	8.983	ppbv	98
66)	Benzyl Chloride	11.623	91	62299	8.494	ppbv	99
67)	sec-Butylbenzene	11.775	105	741280	9.141	ppbv	99
69)	p-Isopropyltoluene	11.934	119	612316	8.795	ppbv	98
70)	n-Butylbenzene	12.290	91	629840	9.122	ppbv	98
71)	2-Chlorotoluene	10.911	91	467569	9.188	ppbv	98
72)	4-Ethyltoluene	11.134	105	505391	9.297	ppbv	99
73)	1,3,5-Trimethylbenzene	11.212	105	425759	9.210	ppbv	97
74)	1,2,4-Trimethylbenzene	11.545	105	456933	9.005	ppbv	97
75)	1,3-Dichlorobenzene	11.617	146	259541	8.997	ppbv	98
76)	1,4-Dichlorobenzene	11.681	146	261302	8.957	ppbv	99
77)	1,2-Dichlorobenzene	11.956	146	250432	8.866	ppbv	99
78)	Hexachloro-1,3-Butadiene	13.889	225	173363	7.488	ppbv	98
79)	Naphthalene	13.520	128	410796	8.930	ppbv	99
80)	Naphthalene,2-methyl-	14.462	142	145644	8.473	ppbv	98
81)	1,2,4-Trichlorobenzene	13.445	180	204023	8.824	ppbv	99

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

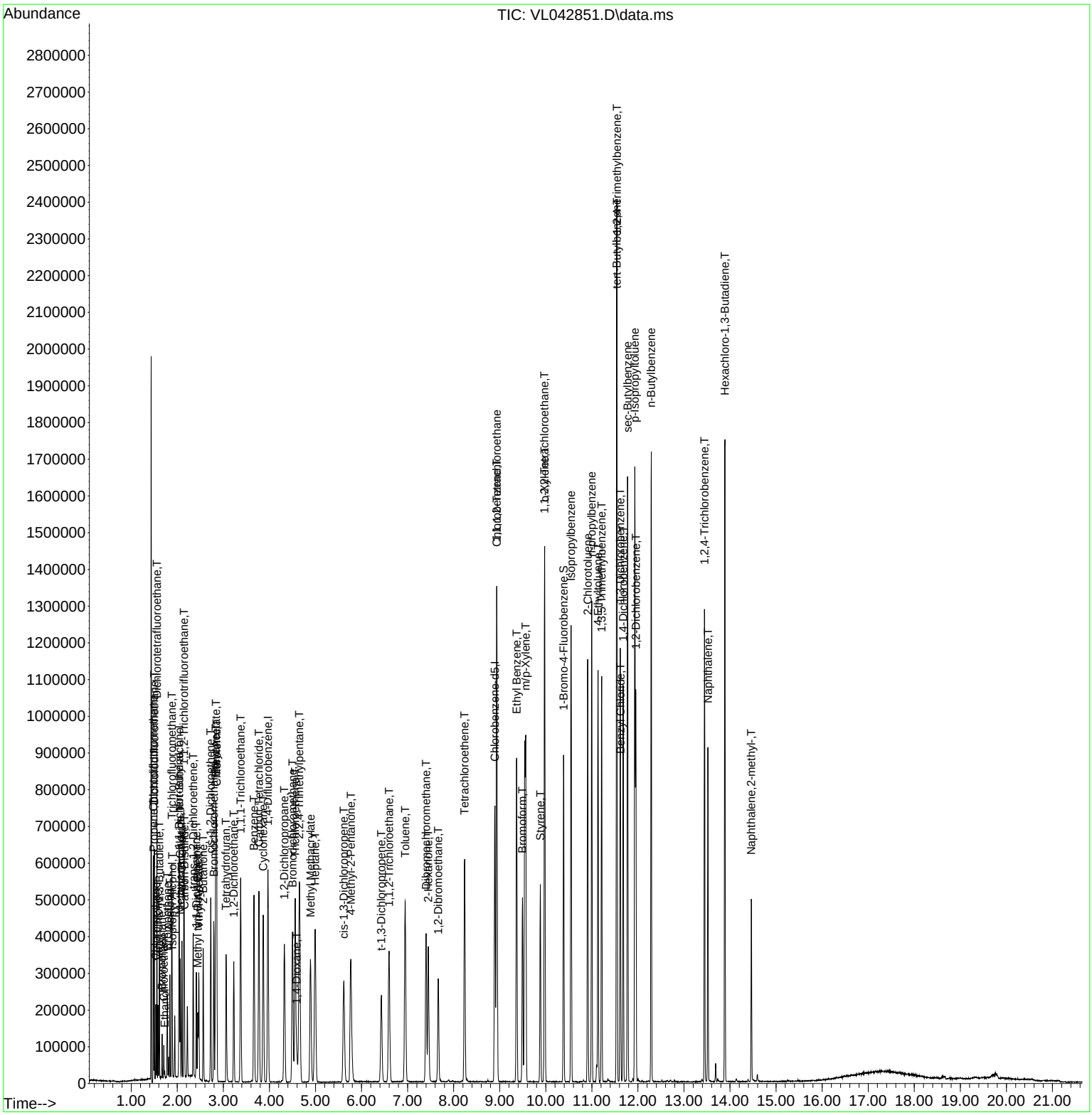
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042851.D
Acq On : 13 Aug 2025 14:32
Operator : SY/MD
Sample : VL0813ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 02:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0813ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



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

Manual Integration Report

Sequence:	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042842.D	m/p-Xylene	SAM	8/14/2025 7:48:06 AM	MMDadoda	8/18/2025 8:42:07 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	1,1,2-Trichloroethane	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	1,4-Dioxane	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	Ethanol	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	m/p-Xylene	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC002	VL042843.D	Methyl Methacrylate	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	1,2-Dichloropropane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	1,4-Dioxane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	2,2,4-Trimethylpentane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	Ethanol	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	Heptane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	m/p-Xylene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VL042844.D	Methyl Methacrylate	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	t-1,3-Dichloropropene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC001	VL042844.D	trans-1,2-Dichloroethene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	1,1,2-Trichloroethane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	1,4-Dioxane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	2,2,4-Trimethylpentane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	4-Methyl-2-Pentanone	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	m/p-Xylene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	Methyl Methacrylate	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	t-1,3-Dichloropropene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.5	VL042845.D	Toluene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software
VSTDICC0.1	VL042846.D	1,1,1-Trichloroethane	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.1	VL042846.D	1,2-Dibromoethane	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software
VSTDICC0.1	VL042846.D	Naphthalene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software
VSTDICC0.1	VL042846.D	Tetrachloroethene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software
VSTDICC0.1	VL042846.D	Trichloroethene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software
VSTDICC0.03	VL042847.D	1,1,1-Trichloroethane	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software
VSTDICC0.03	VL042847.D	1,1,2,2-Tetrachloroethane	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software
VSTDICC0.03	VL042847.D	Carbon Tetrachloride	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software
VSTDICC0.03	VL042847.D	Tetrachloroethene	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software
VSTDICC0.03	VL042847.D	Trichloroethene	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software
VSTDICC015	VL042848.D	m/p-Xylene	SAM	8/14/2025 7:49:35 AM	MMDadoda	8/18/2025 8:42:35 AM	Peak Integrated by Software
VSTDICV010	VL042849.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:48:28 AM	MMDadoda	8/18/2025 8:42:37 AM	Peak Integrated by Software
VSTDICV010	VL042849.D	m/p-Xylene	SAM	8/14/2025 7:48:28 AM	MMDadoda	8/18/2025 8:42:37 AM	Peak Integrated by Software
VL0813ABS01	VL042851.D	1,4-Dioxane	SAM	8/14/2025 7:49:08 AM	MMDadoda	8/18/2025 8:42:38 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VL0813ABS01	VL042851.D	m/p-Xylene	SAM	8/14/2025 7:49:08 AM	MMDadoda	8/18/2025 8:42:38 AM	Peak Integrated by Software
Q2794-01DUP	VL042856.D	4-Methyl-2-Pentanone	SAM	8/14/2025 7:49:41 AM	MMDadoda	8/18/2025 8:42:53 AM	Peak Integrated by Software
Q2794-01DUP	VL042856.D	Carbon Tetrachloride	SAM	8/14/2025 7:49:41 AM	MMDadoda	8/18/2025 8:42:53 AM	Peak Integrated by Software
Q2794-01DUP	VL042856.D	Cyclohexane	SAM	8/14/2025 7:49:41 AM	MMDadoda	8/18/2025 8:42:53 AM	Peak Integrated by Software
Q2794-01DUP	VL042856.D	Hexane	SAM	8/14/2025 7:49:41 AM	MMDadoda	8/18/2025 8:42:53 AM	Peak Integrated by Software
Q2794-01DUP	VL042856.D	Methyl Methacrylate	SAM	8/14/2025 7:49:41 AM	MMDadoda	8/18/2025 8:42:53 AM	Peak Integrated by Software
Q2794-01DUP	VL042856.D	Propene	SAM	8/14/2025 7:49:41 AM	MMDadoda	8/18/2025 8:42:53 AM	Peak Integrated by Software
Q2794-01DUP	VL042856.D	Styrene	SAM	8/14/2025 7:49:41 AM	MMDadoda	8/18/2025 8:42:53 AM	Peak Integrated by Software
Q2794-01DUP	VL042856.D	tert-Butyl alcohol	SAM	8/14/2025 7:49:41 AM	MMDadoda	8/18/2025 8:42:53 AM	Peak Integrated by Software
Q2794-01DUP	VL042856.D	Tetrachloroethene	SAM	8/14/2025 7:49:41 AM	MMDadoda	8/18/2025 8:42:53 AM	Peak Integrated by Software
Q2834-01	VL042861.D	4-Methyl-2-Pentanone	SAM	8/14/2025 7:48:54 AM	MMDadoda	8/18/2025 8:43:10 AM	Peak Integrated by Software
Q2834-01	VL042861.D	Carbon Tetrachloride	SAM	8/14/2025 7:48:54 AM	MMDadoda	8/18/2025 8:43:10 AM	Peak Integrated by Software
Q2834-01	VL042861.D	Chlorodifluoromethane	SAM	8/14/2025 7:48:54 AM	MMDadoda	8/18/2025 8:43:10 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2834-01	VL042861.D	Chloroform	SAM	8/14/2025 7:48:54 AM	MMDadoda	8/18/2025 8:43:10 AM	Peak Integrated by Software
Q2834-01	VL042861.D	Heptane	SAM	8/14/2025 7:48:54 AM	MMDadoda	8/18/2025 8:43:10 AM	Peak Integrated by Software
Q2834-01	VL042861.D	Tetrachloroethene	SAM	8/14/2025 7:48:54 AM	MMDadoda	8/18/2025 8:43:10 AM	Peak Integrated by Software
Q2834-01	VL042861.D	Tetrahydrofuran	SAM	8/14/2025 7:48:54 AM	MMDadoda	8/18/2025 8:43:10 AM	Peak Integrated by Software
Q2834-01	VL042861.D	Toluene	SAM	8/14/2025 7:48:54 AM	MMDadoda	8/18/2025 8:43:10 AM	Peak Integrated by Software
Q2834-02	VL042862.D	Heptane	SAM	8/14/2025 7:48:59 AM	MMDadoda	8/18/2025 8:43:12 AM	Peak Integrated by Software
Q2834-02	VL042862.D	m/p-Xylene	SAM	8/14/2025 7:48:59 AM	MMDadoda	8/18/2025 8:43:12 AM	Peak Integrated by Software
Q2834-02	VL042862.D	Tetrachloroethene	SAM	8/14/2025 7:48:59 AM	MMDadoda	8/18/2025 8:43:12 AM	Peak Integrated by Software
VSTDCCC010	VL042864.D	m/p-Xylene	SAM	8/14/2025 7:47:54 AM	MMDadoda	8/18/2025 8:43:18 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 # VL081325

Review By	Semsettin Yesilyurt	Review On	8/14/2025 7:50:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:43:31 AM				
SubDirectory	VL081325	HP Acquire Method	TO15AIR.M		HP Processing Method	VL081325AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2655
Initial Calibration Stds	AP2650,AP2652,AP2653
CCC	AP2650
Internal Standard/PEM	AP2655
ICV/I.BLK	AP2654
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042841.D	13 Aug 2025 07:45	SY/MD	Ok
2	VSTDICCC010	VL042842.D	13 Aug 2025 08:30	SY/MD	Ok,M
3	VSTDICC002	VL042843.D	13 Aug 2025 09:06	SY/MD	Ok,M
4	VSTDICC001	VL042844.D	13 Aug 2025 09:41	SY/MD	Ok,M
5	VSTDICC0.5	VL042845.D	13 Aug 2025 10:17	SY/MD	Ok,M
6	VSTDICC0.1	VL042846.D	13 Aug 2025 10:53	SY/MD	Ok,M
7	VSTDICC0.03	VL042847.D	13 Aug 2025 11:30	SY/MD	Ok,M
8	VSTDICC015	VL042848.D	13 Aug 2025 12:06	SY/MD	Ok,M
9	VSTDICV010	VL042849.D	13 Aug 2025 12:56	SY/MD	Ok,M
10	VL0813ABL01	VL042850.D	13 Aug 2025 13:46	SY/MD	Ok
11	VL0813ABS01	VL042851.D	13 Aug 2025 14:32	SY/MD	Ok,M
12	Q2727-01DL2	VL042852.D	13 Aug 2025 15:10	SY/MD	Ok
13	Q2126-14 0.1 PPB LOQ	VL042853.D	13 Aug 2025 15:49	SY/MD	Ok,M
14	QC080725 CAN10282	VL042854.D	13 Aug 2025 16:27	SY/MD	Ok
15	Q2794-01	VL042855.D	13 Aug 2025 17:05	SY/MD	Dilution
16	Q2794-01DUP	VL042856.D	13 Aug 2025 17:43	SY/MD	Ok,M
17	Q2794-01DL	VL042857.D	13 Aug 2025 18:21	SY/MD	Ok,M
18	Q2794-02	VL042858.D	13 Aug 2025 18:58	SY/MD	Ok,M
19	Q2794-02DL	VL042859.D	13 Aug 2025 19:35	SY/MD	Not Ok
20	QC081125 CAN 10280	VL042860.D	13 Aug 2025 20:12	SY/MD	Ok
21	Q2834-01	VL042861.D	13 Aug 2025 20:49	SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL081325

Review By	Semsettin Yesilyurt	Review On	8/14/2025 7:50:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:43:31 AM				
SubDirectory	VL081325	HP Acquire Method	TO15AIR.M		HP Processing Method	VL081325AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2655
Initial Calibration Stds	AP2650,AP2652,AP2653
CCC	AP2650
Internal Standard/PEM	AP2655
ICV/I.BLK	AP2654
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2834-02	VL042862.D	13 Aug 2025 21:26	SY/MD	Ok,M
23	Q2834-02DL	VL042863.D	13 Aug 2025 22:02	SY/MD	Not Ok
24	VSTDCCC010	VL042864.D	13 Aug 2025 22:39	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL081325

Review By	Semsettin Yesilyurt	Review On	8/14/2025 7:50:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:43:31 AM		
SubDirectory	VL081325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL081325AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2655
Initial Calibration Stds	AP2650,AP2652,AP2653
CCC	AP2650
Internal Standard/PEM	AP2655
ICV/I.BLK	AP2654
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042841.D	13 Aug 2025 07:45		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042842.D	13 Aug 2025 08:30		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042843.D	13 Aug 2025 09:06		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042844.D	13 Aug 2025 09:41		SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042845.D	13 Aug 2025 10:17		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042846.D	13 Aug 2025 10:53		SY/MD	Ok,M
7	VSTDICC0.03	VSTDICC0.03	VL042847.D	13 Aug 2025 11:30		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042848.D	13 Aug 2025 12:06		SY/MD	Ok,M
9	VSTDICV010	ICVVL081325	VL042849.D	13 Aug 2025 12:56		SY/MD	Ok,M
10	VL0813ABL01	VL0813ABL01	VL042850.D	13 Aug 2025 13:46		SY/MD	Ok
11	VL0813ABS01	VL0813ABS01	VL042851.D	13 Aug 2025 14:32		SY/MD	Ok,M
12	Q2727-01DL2	AE073-1100DL2	VL042852.D	13 Aug 2025 15:10		SY/MD	Ok
13	Q2126-14 0.1 PPB LOQ	LOQ-AIR-02-QT2-2025	VL042853.D	13 Aug 2025 15:49		SY/MD	Ok,M
14	QC080725 CAN10282	QC080725 CAN10282	VL042854.D	13 Aug 2025 16:27		SY/MD	Ok
15	Q2794-01	IA1	VL042855.D	13 Aug 2025 17:05	Need 10X	SY/MD	Dilution
16	Q2794-01DUP	IA1DUP	VL042856.D	13 Aug 2025 17:43		SY/MD	Ok,M
17	Q2794-01DL	IA1DL	VL042857.D	13 Aug 2025 18:21		SY/MD	Ok,M
18	Q2794-02	OA1	VL042858.D	13 Aug 2025 18:58		SY/MD	Ok,M

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 # VL081325

Review By	Semsettin Yesilyurt	Review On	8/14/2025 7:50:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:43:31 AM		
SubDirectory	VL081325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL081325AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2655
Initial Calibration Stds	AP2650,AP2652,AP2653
CCC	AP2650
Internal Standard/PEM	AP2655
ICV/I.BLK	AP2654
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2794-02DL	OA1DL	VL042859.D	13 Aug 2025 19:35	Not Required	SY/MD	Not Ok
20	QC081125 CAN 10280	QC081125 CAN 10280	VL042860.D	13 Aug 2025 20:12		SY/MD	Ok
21	Q2834-01	IA1	VL042861.D	13 Aug 2025 20:49		SY/MD	Ok,M
22	Q2834-02	SV1	VL042862.D	13 Aug 2025 21:26		SY/MD	Ok,M
23	Q2834-02DL	SV1DL	VL042863.D	13 Aug 2025 22:02	Not Required	SY/MD	Not Ok
24	VSTDCCC010	VSTDCCC010EC	VL042864.D	13 Aug 2025 22:39		SY/MD	Ok,M

M : Manual Integration

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Alliance Project No. : _____

Client Contact Information	Bottle Order ID : **B2508016**	Courier : F. GALDUN	1 of 2 COCs
Client ID : **GFEL01** Project ID : ~~739 [illegible] Ave, Brooklyn, NY~~		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: 64 2ND ST. BROOKLYN, NY	Individual Certified	
City : **Lake Hiawatha**	Analysis Turnaround Time 7 DAYS		
State : **NJ**	Standard : 10 [illegible] ys **OR**	Data Package Type : RESULTS ONLY	
Zip Code : **07034**	Rush (Specify): 7 **Days**	EDD Type : PDF	
Country :			

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15	Indoor/Ambinet Air	Soil Gas
IA1	8/12/25	8:10	10:10	30	7	75	75	-30	-7.1	10579	10609	6 L	50	VL042598.D	/	/	

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 : NJ

Canisters Shiped by: SAM FEDEX	Date/Time: 08/11/25	Canisters Received by: CP	Date/Time: 8/12/25 10:52		
Samples Relinquished by:	Date/Time: 8/12/25	Received by:	Date/Time:		B2508016 - 5
Relinquished by:	Date/Time:	Received by:	Date/Time:		

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 : **B2508016**	Courier : F GALDUN	2 of 2 COCs
Client ID : **GFEL01** Project ID :	**739 Nostrand Ave, Brooklyn, NY**	Sampler Name(s) : FRANK GALDUN	
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: 64 2ND ST. BROOKLYN, NY	Batch Certified	
City : **Lake Hiawatha**			
State : **NJ**	Analysis Turnaround Time 7 DAY		
Zip Code : **07034**	Standard : ~~10 Business days~~ OR	Data Package Type : RESULTS ONLY	
Country :	Rush (Specify): 7 Days	EDD Type : PDF	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	Analysis: TO-15	Matrix: Indoor/Ambinet Air	Matrix: Soil Gas
SV1	8/12/25	9:09	10:09	-30	5	74	75	-30	-5.9	10226	10604	6 L	50	VL042598.D	/		/

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: 08/11/25	Canisters Received by:	Date/Time: 8/12/25 1052	
Samples Relinquished by:	Date/Time: 8/12/25	Received by:	Date/Time:	
Relinquished by:	Date/Time:	Received by:	Date/Time:	B2508016 - 3

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
~~NASE~~:
Field Sample Seal No.: Q2834
Case No.: 64 2nd St., Brooklyn, NY

Location: 284 Sheffield Street, Mountainside,NJ 7092
Title: Sample Custodian
Date Broken: 8/13/2025
Analytical Parameter/Fraction: TO-15
Military Time Seal Broken: 10:52:00

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q2834-01	IA1		
Q2834-02	SV1		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
8/12/25	12:00	Signature	Signature	
		Printed Name Cesanoza Eric	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*

CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

AIR SAMPLE PRESSURE & DILUTION LOGBOOK

Analyst Signature: _____ Supervisor Signature: _____

METHOD: TO-15 Pressure Gauge ID: AZ 55971

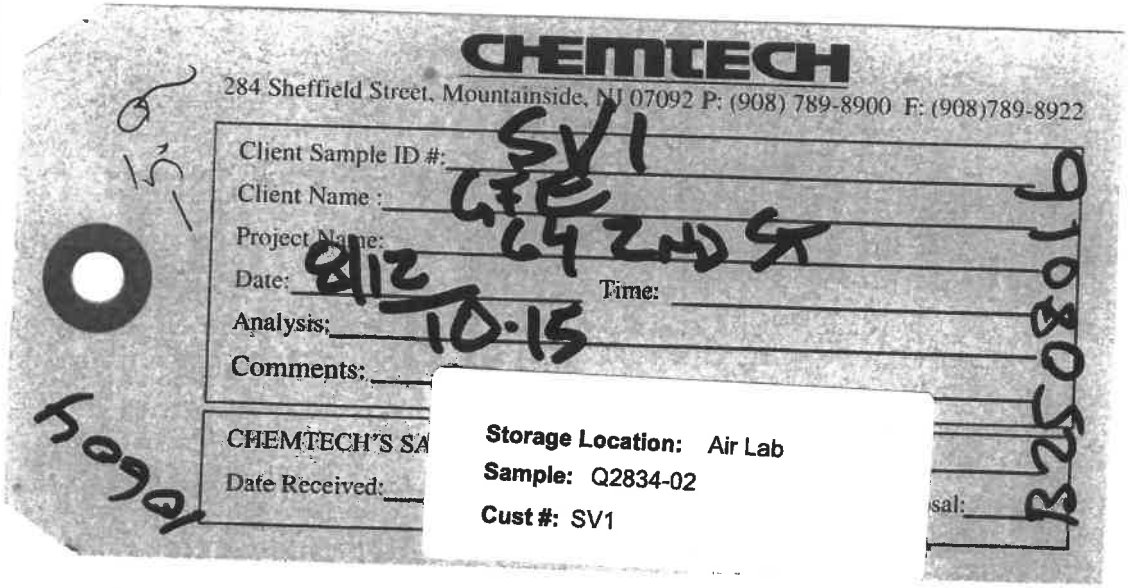
Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
07/28/25	Q2712-01	10607	12.4	-4.7				SM
	Q2712-02	10282	12.4	-4.7				
	Q2712-03	10320	12.2	-5.1				
	Q2712-04	10275	12.2	-5.1				
	Q2712-05	10445	12.4	-4.7				
	Q2712-06	10158	12.6	-4.3				
	Q2712-07	10300	13.0	-3.5				
8/01/25	Q2750-01	10280	12.4	-4.7				SM
	Q2750-02	10279	11.4	-6.7				
	Q2750-03	10601	11.4	-6.7				
	Q2750-04	10606	12.6	-4.3				
	Q2750-05	10492	11.6	-6.3				
	Q2750-06	10321	12.2	-5.1				
	Q2750-07	10198	12.0	-5.5				
	Q2750-08	10315	11.8	-5.9				
	Q2750-09	10590	11.4	-6.7				
	Q2750-10	10153	10.0	-9.6				
08/07/25	Q2794-01	10285	12.0	-5.5				SM
	Q2794-02	10333	12.2	-5.1				
08/12/25	Q2834-01	10609	11.2	-7.1				SM
	Q2834-02	10604	11.8	-5.9				SM

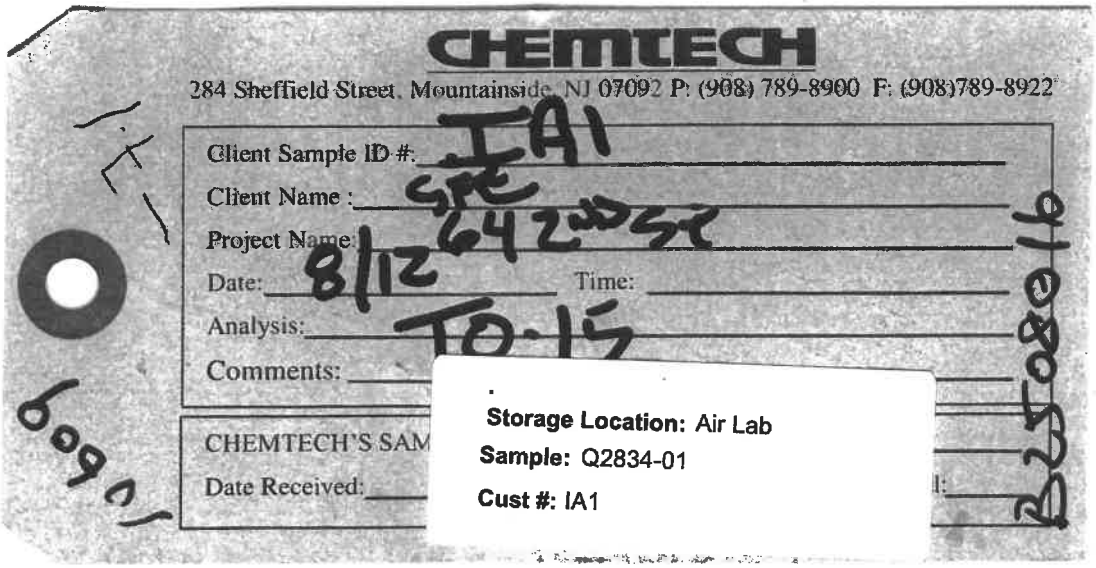
Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Process Report

Order ID : Q2834

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
08/12/2025	B2508016	Q2834-01	-7.1	10609	6 L	10579		C2505005	**VL042598.D** Seq :vl052925 TUNE : VL042578.D ICAL : VL042584.D CCAL : VL042579.D MB : VL042588.D
08/12/2025	B2508016	Q2834-02	-5.9	10604	6 L	10226		C2505005	**VL042598.D** Seq :vl052925 TUNE : VL042578.D ICAL : VL042584.D CCAL : VL042579.D MB : VL042588.D


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SV1
Client Name : GSE
Project Name: 642-20-SK
Date: 8/12 Time:
Analysis: TO-15
Comments:
CHEMTECH'S SA
Date Received:
sal:
Storage Location: Air Lab
Sample: Q2834-02
Cust #: SV1


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: IA1
Client Name : GSE
Project Name: 642-20-SK
Date: 8/12 Time:
Analysis: TO-15
Comments:
CHEMTECH'S SAM
Date Received:
Storage Location: Air Lab
Sample: Q2834-01
Cust #: IA1