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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : 141 JUNIPER DRIVE

RTP ENVIRONMENTAL

239 US Highway 22 East

Green Brook, NJ - 08812

Phone No: 732-968-9600

ORDER ID : Q3557

ATTENTION : David Gabel

Laboratory Certification ID # 20012

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Fax : 908 789 8922

Cover Page

Order ID : Q3557

Project ID : 141 JUNIPER DRIVE

Client : RTP Environmental

Lab Sample Number	Client Sample Number
Q3557-01	141-AA-1
Q3557-02	141-IA-1
Q3557-03	141-IA2
Q3557-04	141-SG-1
Q3557-05	141-SG-2

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 8:17 am, Nov 18, 2025

Date: 11/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

SHIPPING DOCUMENTS

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

Alliance Project No. : Q3557

Client Contact Information	Bottle Order ID : **B2510050**	Courier :	1 of 5 COCs
Client ID : **RTPE01** Project ID : ~~Air~~ 141 Juniper Drive		Sampler Name(s) :	
Customer Name : **RTP Environmental**	Project Manager : **David gabel**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :	Batch Certified	
City : **Green Brook**	Site Details:		
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** OR	Data Package Type : Regulatory	
Country :	Rush (Specify): ____ **Days**	EDD Type : Haz/Excel w/ conversion	

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)**	~~Ambient Interior~~ Temp. (F) (Start)	~~Ambient 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 (Table in excel.)	Analysis: TO-15	Matrix: Indoor/Ambinet Air	Matrix: Soil Gas
141-AA-1	11/4/25 to 11/5/25	8:13	8:13	-30	-6	54	44	-30	-4.7	10482	10296	6 L	4.16	VL042598.D	X	X	

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.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NJ

Canisters Shiped by: Sam	Date/Time: 11/03/25	Canisters Received by: CV	Date/Time: 11/3/25 8.00	B2510050 - 5	
Samples Relinquished by: CV	Date/Time: 11-5-25 1500	Received by: IT	Date/Time: 11-5-25 1500		
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. : Q3557

Client Contact Information	Bottle Order ID : **B2510050**	Courier :	2 of 5 COCs
Client ID : **RTPE01** Project ID : ~~Air~~ 141 Juniper Drive		Sampler Name(s) :	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **David gabel**	**AIR ANALYSIS CHAIN-OF-CUSTODY**	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :		
	Site Details:	**Batch Certified**	
City : **Green Brook**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** **OR**	Data Package Type : Regulatory	
Country :	Rush (Specify): ____ **Days**	EDD Type : HQZ (Excel w/ conversion table in excel)	

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		
141-IA-1	11/4/25 to 11/5/25	8:10	8:10	-30	-8	72	72	-30	-4.3	10520	10300	6 L	4.16	VL042942.D	X			X			

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15) Sed

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 11/03/25	Canisters Received by: CW	Date/Time: 11/3/25 8:00	**B2510050 - 6**
Samples Relinquished by: CW	Date/Time: 11.5.25 1500	Received by: IT	Date/Time: 11.5.25 1500	
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. : Q-3557

Client Contact Information	Bottle Order ID : **B2510050**	Courier :	3 of 5 COCs
Client ID : **RTPE01** Project ID : **Air** 141 Juniper Drive		Sampler Name(s) :	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **David gabel**	**AIR ANALYSIS CHAIN-OF-CUSTODY**	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :	**Individual Certified**	
City : **Green Brook**	Site Details:		
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** OR	Data Package Type : Regulatory	
Country :	Rush (Specify): _____ **Days**	EDD Type : Haz/Excel w/ conversion table in excel	

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
141-IA2	11/4/25 to 11/5/25	8:11	8:11	-30	-2	72	72	-30	-5.1	10236	10060	6 L	4.16	VL042942.D	X	X	

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.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 11/03/25	Canisters Received by: CW	Date/Time: 11/3/25 8:00		
Samples Relinquished by: CW	Date/Time: 11-5-25 1500	Received by: JT	Date/Time: 11-5-25 1500	**B2510050 - 1**	
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. : Q3557

Client Contact Information	Bottle Order ID : **B2510050**	Courier :	4 of 5 COCs
Client ID : **RTPE01** Project ID : ~~AIR~~ 141 Juniper Drive		Sampler Name(s) :	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **David gabel**	**AIR ANALYSIS CHAIN-OF-CUSTODY**	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :	**Batch Certified**	
City : **Green Brook**	Site Details:		
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** **OR**	Data Package Type :	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

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
141-SG-1	11/5/25	1046	1146	-18	-2	70	70	-30	-8.4	10543	10674	1.4 L	25	VL042989.D	X		X

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.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : Yes

Canisters Shiped by: Sam	Date/Time: 11/03/25	Canisters Received by: 11.5.25 1500	Date/Time: JT		
Samples Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by:	Date/Time:	**B2510050 - 11**	

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

Alliance Project No. : Q3557

Client Contact Information	Bottle Order ID : **B2510050**	Courier :	5 of 5 COCs
Client ID : **RTPE01** Project ID : Air 141 Juniper Drive		Sampler Name(s) :	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **David gabel**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :		
	Site Details:	Batch Certified	
City : **Green Brook**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** **OR**	Data Package Type :	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

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		
141-SG-2	11/5/25	1047	1147	-30	-4	70	70	-30	-9.6	10484	10428	1.4 L	25	VL042989.D	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15): Sut

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : Yes

Canisters Shiped by: Sam	Date/Time: 11/03/25	Canisters Received by: JT	Date/Time: 11.5.25 1500	B2510050 - 8
Samples Relinquished by:	Date/Time:	Received by:	Date/Time:	
Relinquished by:	Date/Time:	Received by:	Date/Time:	

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

Laboratory Certification

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

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

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

Laboratory: Chemtech
~~GORGE~~
Field Sample Seal No.: Q3557
Case No.: 141 JUNIPER DRIVE

Location: 284 Sheffield Street, Mountainside, NJ 7092
Title: Sample Custodian
Date Broken: 11/5/2025
Military Time Seal Broken: 15:00:00
Analytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q3557-01	141-AA-1		
Q3557-02	141-IA-1		
Q3557-03	141-IA2		
Q3557-04	141-SG-1		
Q3557-05	141-SG-2		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
11/6	1112	Signature [signature]	Signature [signature]	
		Printed Name GORGE N.	Printed Name [illegible]	
		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*

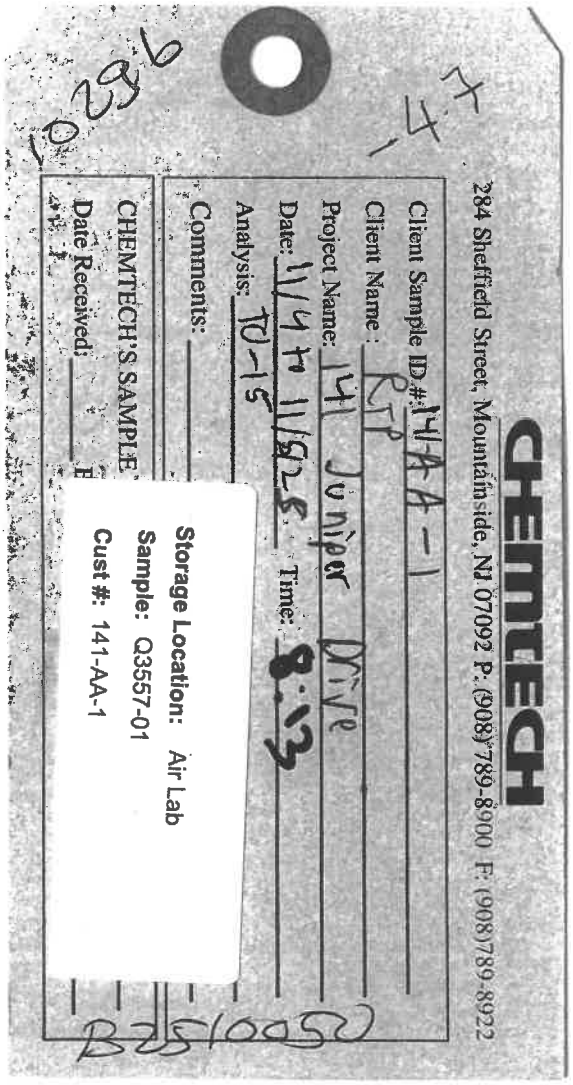
CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

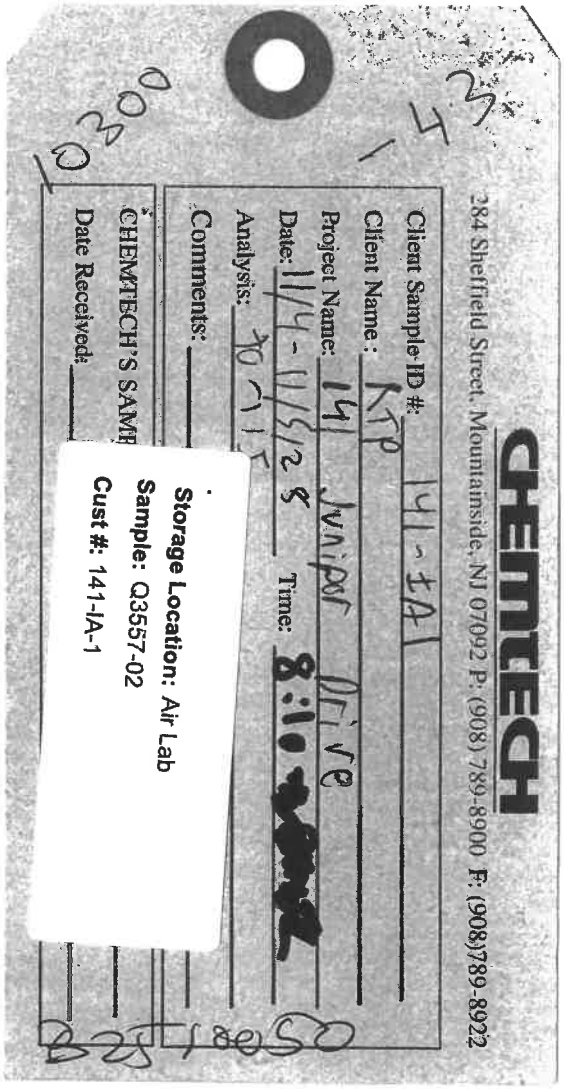
AIR SAMPLE PRESSURE & DILUTION LOGBOOK

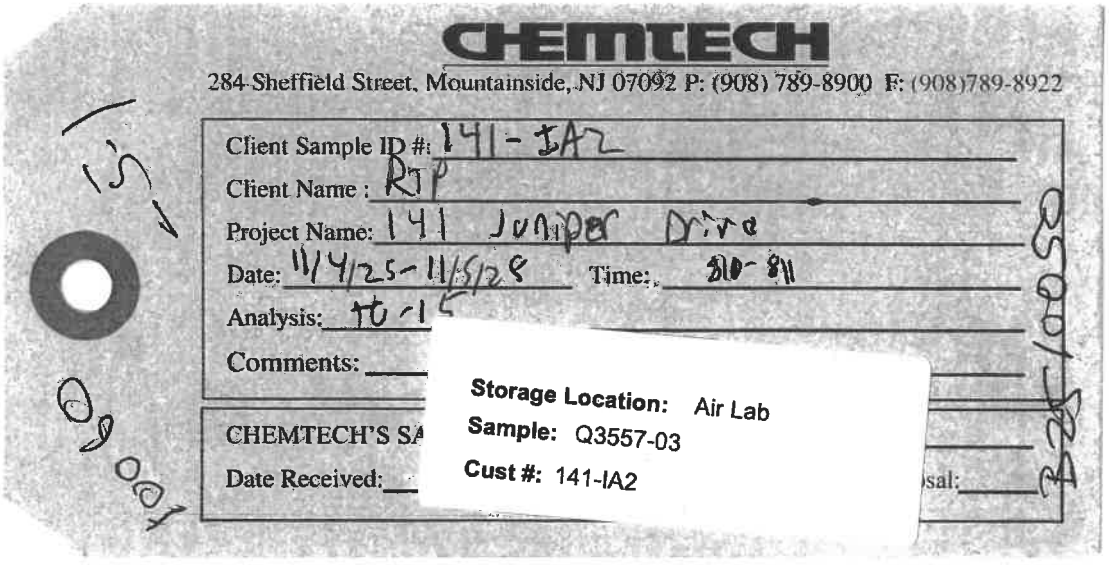
Analyst Signature: _____ Supervisor Signature: _____

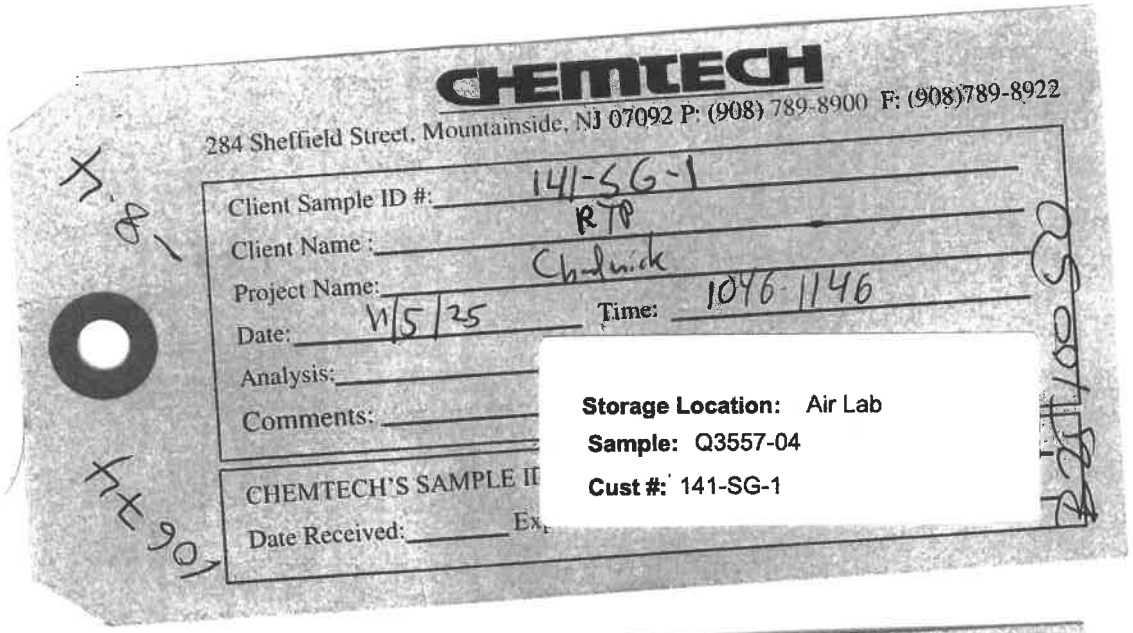
METHOD: TO-15 Pressure Gauge ID: AZ 55971

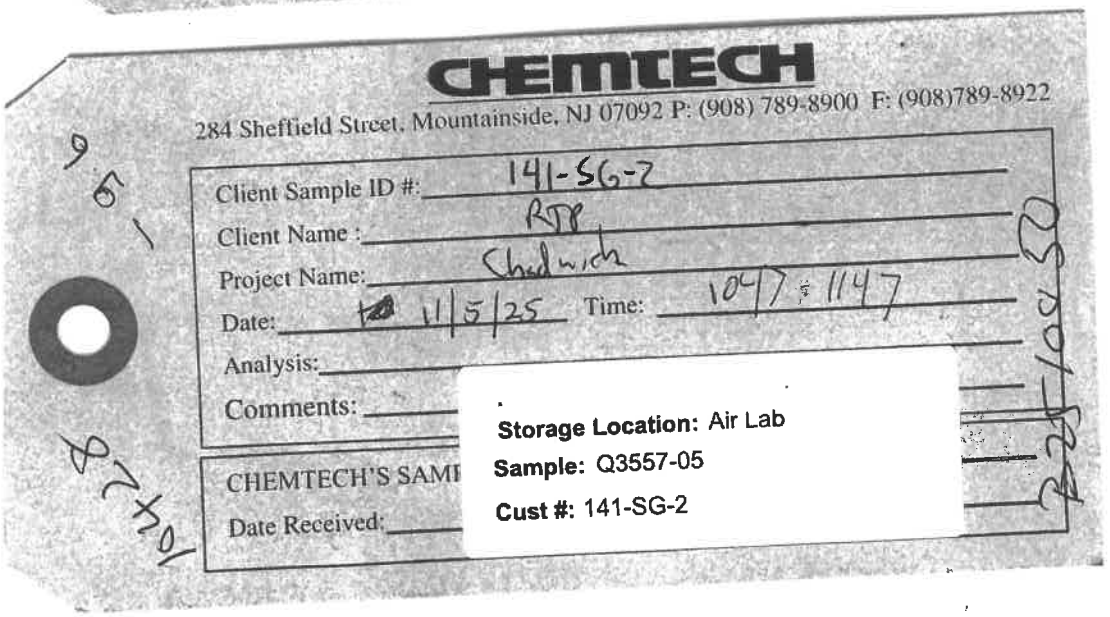
Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
10/08/25	Q3320-07	10311	12.6	-4.3				Cal
	Q3320-08	10588	12.0	-5.5				
	Q3320-09	10601	12.2	-5.1				
	Q3320-10	10604	12.2	-5.1				
	Q3320-11	10607	12.2	-5.1				
	Q3320-12	10333	12.2	-5.1				
	Q3320-13	10609	12.6	-4.3				
10/10/25	Q3320-02	10113	1.0		20		20x	Cal
11/05/25	Q3555-01	10153	11.8	-5.9				Cal
	Q3555-02	10492	13.6	-2.2				
	Q3555-03	10653	9.4	-10.8				
	Q3555-04	10423	9.4	-10.8				
	Q3556-01	10266	8.6	-12.4				
	Q3556-02	10283	12.0	-5.5				
	Q3556-03	10737	9.6	-10.4				
	Q3556-04	10752	9.6	-10.4				
	Q3557-01	10296	12.4	-4.7				
	Q3557-02	10300	12.6	-4.3				
	Q3557-03	10069	12.2	-5.1				
	Q3557-04	10674	10.6	-8.4				
	Q3557-05	10428	10.0	-9.6				


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: 141-AA-1
Client Name: RTP
Project Name: 141 Juniper Drive
Date: 11/4 to 11/5/25 Time: 8:13
Analysis: TO-15
Comments:
CHEMTECH'S SAMPLE
Date Received:
Storage Location: Air Lab
Sample: Q3557-01
Cust #: 141-AA-1


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: 141-IA1
Client Name: RTP
Project Name: 141 Juniper Drive
Date: 11/4-11/5/25 Time: 8:10
Analysis: TO-15
Comments:
CHEMTECH'S SAMP
Date Received:
Storage Location: Air Lab
Sample: Q3557-02
Cust #: 141-IA-1


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: 141-IA2
Client Name: RTP
Project Name: 141 Juniper Drive
Date: 11/4/25-11/5/25 Time: 8:10-8:11
Analysis: TO-15
Comments:
CHEMTECH'S SA
Date Received:
Storage Location: Air Lab
Sample: Q3557-03
Cust #: 141-IA2


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: 141-SG-1
Client Name: RTP
Project Name: Chadwick
Date: 11/5/25 Time: 1046 1146
Analysis:
Comments:
CHEMTECH'S SAMPLE ID
Date Received:
Storage Location: Air Lab
Sample: Q3557-04
Cust #: 141-SG-1


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: 141-SG-2
Client Name: RTP
Project Name: Chadwick
Date: 11/5/25 Time: 1047 1147
Analysis:
Comments:
CHEMTECH'S SAMP
Date Received:
Storage Location: Air Lab
Sample: Q3557-05
Cust #: 141-SG-2

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

CASE NARRATIVE

RTP Environmental
Project Name: 141 JUNIPER DRIVE
Project # N/A
Order ID # Q3557
Test Name: TO-15

A. Number of Samples and Date of Receipt:
5 Air samples were received on 11/05/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TO-15. This data package contains results for TO-15.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator.The analysis of TO-15 was based on method TO-15.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Due to potential high concentration of target analytes, Samples 141-SG-1, 141-SG-2 were initially diluted.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

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Phone: 908 789 8900 Fax: 908 789 8922

The Samples #141-AA-1, 141-IA-1, 141-IA-1DL, 141-IA2, 141-SG-1 and 141-SG-2 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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

Signature___ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 8:17 am, Nov 18, 2025

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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3557

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 11/17/2025

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LAB CHRONICLE

OrderID:	Q3557	**OrderDate:**	11/5/2025 3:17:00 PM
Client:	RTP Environmental	**Project:**	141 JUNIPER DRIVE
Contact:	David Gabel	**Location:**	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3557-01	**141-AA-1**	**Air**			**11/05/25**			**11/05/25**
			TO-15	TO-15			11/06/25	
Q3557-02	**141-IA-1**	**Air**			**11/05/25**			**11/05/25**
			TO-15	TO-15			11/06/25	
Q3557-02DL	**141-IA-1DL**	**Air**			**11/05/25**			**11/05/25**
			TO-15	TO-15			11/06/25	
Q3557-03	**141-IA2**	**Air**			**11/05/25**			**11/05/25**
			TO-15	TO-15			11/06/25	
Q3557-04	**141-SG-1**	**Air**			**11/05/25**			**11/05/25**
			TO-15	TO-15			11/06/25	
Q3557-05	**141-SG-2**	**Air**			**11/05/25**			**11/05/25**
			TO-15	TO-15			11/06/25	
Q3557-05DL	**141-SG-2DL**	**Air**			**11/05/25**			**11/05/25**
			TO-15	TO-15			11/06/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3557

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**141-AA-1**							
Q3557-01	141-AA-1	Air	Dichlorodifluoromethane	2.47		0.54	2.47	ug/m3
Q3557-01	141-AA-1	Air	Chloromethane	0.97	J	0.21	1.03	ug/m3
Q3557-01	141-AA-1	Air	Trichlorofluoromethane	1.46	J	0.96	2.81	ug/m3
Q3557-01	141-AA-1	Air	Acetone	6.18		0.43	1.19	ug/m3
Q3557-01	141-AA-1	Air	Methylene Chloride	2.68		0.80	1.74	ug/m3
Q3557-01	141-AA-1	Air	2-Butanone	0.65	J	0.18	1.47	ug/m3
Q3557-01	141-AA-1	Air	Carbon Tetrachloride	0.50		0.19	0.19	ug/m3
Q3557-01	141-AA-1	Air	Benzene	0.35	J	0.26	1.60	ug/m3
Q3557-01	141-AA-1	Air	Hexane	2.71		0.56	1.76	ug/m3
			Total Voc :	18.0				
			Total Concentration:	18.0				
Client ID:	**141-IA-1**							
Q3557-02	141-IA-1	Air	Dichlorodifluoromethane	7.42		0.54	2.47	ug/m3
Q3557-02	141-IA-1	Air	Chloromethane	0.93	J	0.21	1.03	ug/m3
Q3557-02	141-IA-1	Air	Trichlorofluoromethane	1.85	J	0.96	2.81	ug/m3
Q3557-02	141-IA-1	Air	Heptane	0.78	J	0.70	2.05	ug/m3
Q3557-02	141-IA-1	Air	Acetone	21.1		0.43	1.19	ug/m3
Q3557-02	141-IA-1	Air	Methylene Chloride	54.9	E	0.80	1.74	ug/m3
Q3557-02	141-IA-1	Air	2-Butanone	4.42		0.18	1.47	ug/m3
Q3557-02	141-IA-1	Air	Carbon Tetrachloride	0.50		0.19	0.19	ug/m3
Q3557-02	141-IA-1	Air	2,2,4-Trimethylpentane	1.54	J	0.65	2.34	ug/m3
Q3557-02	141-IA-1	Air	Benzene	1.21	J	0.26	1.60	ug/m3
Q3557-02	141-IA-1	Air	Toluene	2.22		0.60	1.88	ug/m3
Q3557-02	141-IA-1	Air	Naphthalene	0.68		0.050	0.52	ug/m3
Q3557-02	141-IA-1	Air	Hexane	24.3		0.56	1.76	ug/m3
			Total Voc :	122				
			Total Concentration:	122				
Client ID:	**141-IA-1DL**							
Q3557-02DL	141-IA-1DL	Air	Dichlorodifluoromethane	6.92	JD	2.18	9.89	ug/m3
Q3557-02DL	141-IA-1DL	Air	Chloromethane	0.97	JD	0.81	4.13	ug/m3
Q3557-02DL	141-IA-1DL	Air	Acetone	27.6	D	1.71	4.75	ug/m3
Q3557-02DL	141-IA-1DL	Air	Methylene Chloride	51.8	D	3.20	6.95	ug/m3
Q3557-02DL	141-IA-1DL	Air	2-Butanone	4.42	JD	0.65	5.90	ug/m3
Q3557-02DL	141-IA-1DL	Air	Benzene	1.31	JD	1.02	6.39	ug/m3
Q3557-02DL	141-IA-1DL	Air	Hexane	18.3	D	2.26	7.05	ug/m3
			Total Voc :	111				
			Total Concentration:	111				

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Hit Summary Sheet
SW-846

SDG No.: Q3557

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**141-IA2**							
Q3557-03	141-IA2	Air	Dichlorodifluoromethane	10.4		0.54	2.47	ug/m3
Q3557-03	141-IA2	Air	Chloromethane	0.97	J	0.21	1.03	ug/m3
Q3557-03	141-IA2	Air	Trichlorofluoromethane	2.02	J	0.96	2.81	ug/m3
Q3557-03	141-IA2	Air	Heptane	1.07	J	0.70	2.05	ug/m3
Q3557-03	141-IA2	Air	Acetone	30.2		0.43	1.19	ug/m3
Q3557-03	141-IA2	Air	Methylene Chloride	2.29		0.80	1.74	ug/m3
Q3557-03	141-IA2	Air	Cyclohexane	1.20	J	0.76	1.72	ug/m3
Q3557-03	141-IA2	Air	2-Butanone	1.80		0.18	1.47	ug/m3
Q3557-03	141-IA2	Air	Carbon Tetrachloride	0.57		0.19	0.19	ug/m3
Q3557-03	141-IA2	Air	2,2,4-Trimethylpentane	2.24	J	0.65	2.34	ug/m3
Q3557-03	141-IA2	Air	Benzene	1.73		0.26	1.60	ug/m3
Q3557-03	141-IA2	Air	Toluene	3.39		0.60	1.88	ug/m3
Q3557-03	141-IA2	Air	m/p-Xylene	2.61	J	1.78	4.34	ug/m3
Q3557-03	141-IA2	Air	o-Xylene	1.09	J	0.91	2.17	ug/m3
Q3557-03	141-IA2	Air	Naphthalene	1.42		0.050	0.52	ug/m3
Q3557-03	141-IA2	Air	Hexane	9.52		0.56	1.76	ug/m3
			Total Voc :	72.5				
			Total Concentration:	72.5				
Client ID:	**141-SG-1**							
Q3557-04	141-SG-1	Air	Dichlorodifluoromethane	5.44		1.09	4.94	ug/m3
Q3557-04	141-SG-1	Air	Chloromethane	0.52	J	0.41	2.07	ug/m3
Q3557-04	141-SG-1	Air	Acetone	21.6		0.86	2.38	ug/m3
Q3557-04	141-SG-1	Air	Methylene Chloride	3.20	J	1.60	3.47	ug/m3
Q3557-04	141-SG-1	Air	2-Butanone	2.92	J	0.32	2.95	ug/m3
Q3557-04	141-SG-1	Air	Carbon Tetrachloride	0.44		0.31	0.38	ug/m3
Q3557-04	141-SG-1	Air	Chloroform	3.52	J	0.93	4.88	ug/m3
Q3557-04	141-SG-1	Air	Hexane	1.97	J	1.13	3.52	ug/m3
			Total Voc :	39.6				
			Total Concentration:	39.6				
Client ID:	**141-SG-2**							
Q3557-05	141-SG-2	Air	Dichlorodifluoromethane	5.44		1.09	4.94	ug/m3
Q3557-05	141-SG-2	Air	Tetrahydrofuran	0.68	J	0.47	2.95	ug/m3
Q3557-05	141-SG-2	Air	tert-Butyl alcohol	3.03		0.97	3.03	ug/m3
Q3557-05	141-SG-2	Air	Acetone	160	E	0.86	2.38	ug/m3
Q3557-05	141-SG-2	Air	Methylene Chloride	3.82		1.60	3.47	ug/m3
Q3557-05	141-SG-2	Air	2-Butanone	7.96		0.32	2.95	ug/m3
Q3557-05	141-SG-2	Air	Carbon Tetrachloride	0.50		0.31	0.38	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q3557

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3557-05	141-SG-2	Air	Tetrachloroethene	1.49		0.20	0.41	ug/m3
Q3557-05	141-SG-2	Air	Hexane	1.97	J	1.13	3.52	ug/m3
			Total Voc :	185				
			Total Concentration:	185				
Client ID:	**141-SG-2DL**							
Q3557-05DL	141-SG-2DL	Air	Dichlorodifluoromethane	5.93	JD	5.44	24.7	ug/m3
Q3557-05DL	141-SG-2DL	Air	Acetone	182	D	4.28	11.9	ug/m3
Q3557-05DL	141-SG-2DL	Air	Methylene Chloride	10.8	JD	7.99	17.4	ug/m3
Q3557-05DL	141-SG-2DL	Air	2-Butanone	8.26	JD	1.65	14.8	ug/m3
			Total Voc :	207				
			Total Concentration:	207				

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Project : 141 JUNIPER DRIVE
Sampling Date : 11/05/25
Field Id Number : 141-AA-1
Analysis Date : 11/06/25
Laboratory Id Number : Q3557-01
Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.5		2.47		
Chloromethane	74-87-3	50.49	0.47	J	0.97		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.08	U	0.31		
Chloroethane	75-00-3	64.52	0.15	U	0.4		
Tetrahydrofuran	109-99-9	72.11	0.08	U	0.24		
Trichlorofluoromethane	75-69-4	137.4	0.26	J	1.46		
Dichlorotetrafluoroethane	76-14-2	170.9	0.15	U	1.05		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.14	U	1.07		
tert-Butyl alcohol	75-65-0	74.12	0.16	U	0.49		
Heptane	142-82-5	100.2	0.17	U	0.7		
1,1-Dichloroethene	75-35-4	96.94	0.15	U	0.59		
Acetone	67-64-1	58.08	2.6		6.18		
Carbon Disulfide	75-15-0	76.14	0.08	U	0.25		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.23	U	0.83		
Methylene Chloride	75-09-2	84.94	0.77		2.68		
trans-1,2-Dichloroethene	156-60-5	96.94	0.12	U	0.48		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	0.22	J	0.65		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.1	U	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.02	U	0.11		
2,2,4-Trimethylpentane	540-84-1	114.2	0.14	U	0.65		
Benzene	71-43-2	78.11	0.11	J	0.35		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.13	U	0.6		
Bromodichloromethane	75-27-4	163.8	0.06	U	0.4		
4-Methyl-2-Pentanone	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	0.16	U	0.6		
t-1,3-Dichloropropene	10061-02-6	111	0.15	U	0.68		
cis-1,3-Dichloropropene	10061-01-5	111	0.11	U	0.5		
1,1,2-Trichloroethane	79-00-5	133.4	0.08	U	0.44		

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Project : 141 JUNIPER DRIVE **Sampling Date :** 11/05/25

Field Id Number : 141-AA-1 **Analysis Date :** 11/06/25

Laboratory Id Number : Q3557-01 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.09	U	0.77		
1,2-Dibromoethane	106-93-4	187.9	0.09	U	0.69		
Tetrachloroethene	127-18-4	165.8	0.02	U	0.14		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.19	U	0.83		
m/p-Xylene	179601-23-1	106.2	0.41	U	1.78		
o-Xylene	95-47-6	106.2	0.21	U	0.91		
Styrene	100-42-5	104.1	0.16	U	0.68		
Bromoform	75-25-2	252.8	0.05	U	0.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.02	U	0.14		
2-Chlorotoluene	95-49-8	126.6	0.17	U	0.88		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.18	U	0.88		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.18	U	0.88		
1,3-Dichlorobenzene	541-73-1	147	0.05	U	0.3		
1,4-Dichlorobenzene	106-46-7	147	0.13	U	0.78		
1,2-Dichlorobenzene	95-50-1	147	0.13	U	0.78		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.21	U	1.56		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.13	U	1.39		
Naphthalene	91-20-3	128.17	0.01	U	0.05		
1,3-Butadiene	106-99-0	54.09	0.05	U	0.11		
4-Ethyltoluene	622-96-8	120.2	0.21	U	1.03		
Hexane	110-54-3	86.17	0.77		2.71		
Allyl Chloride	107-05-1	76.53	0.11	U	0.34		
1,4-Dioxane	123-91-1	88.12	0.22	U	0.79		
Methyl Methacrylate	80-62-6	100.117	0.14	U	0.57		

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Project : 141 JUNIPER DRIVE
Sampling Date : 11/05/25
Field Id Number : 141-IA-1
Analysis Date : 11/06/25
Laboratory Id Number : Q3557-02
Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1.5		7.42		
Chloromethane	74-87-3	50.49	0.45	J	0.93		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.08	U	0.31		
Chloroethane	75-00-3	64.52	0.15	U	0.4		
Tetrahydrofuran	109-99-9	72.11	0.08	U	0.24		
Trichlorofluoromethane	75-69-4	137.4	0.33	J	1.85		
Dichlorotetrafluoroethane	76-14-2	170.9	0.15	U	1.05		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.14	U	1.07		
tert-Butyl alcohol	75-65-0	74.12	0.16	U	0.49		
Heptane	142-82-5	100.2	0.19	J	0.78		
1,1-Dichloroethene	75-35-4	96.94	0.15	U	0.59		
Acetone	67-64-1	58.08	8.9		21.1		
Carbon Disulfide	75-15-0	76.14	0.08	U	0.25		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.23	U	0.83		
Methylene Chloride	75-09-2	84.94	15.8	E	54.9		
trans-1,2-Dichloroethene	156-60-5	96.94	0.12	U	0.48		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	1.5		4.42		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.1	U	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.02	U	0.11		
2,2,4-Trimethylpentane	540-84-1	114.2	0.33	J	1.54		
Benzene	71-43-2	78.11	0.38	J	1.21		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.13	U	0.6		
Bromodichloromethane	75-27-4	163.8	0.06	U	0.4		
4-Methyl-2-Pentanone	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	0.59		2.22		
t-1,3-Dichloropropene	10061-02-6	111	0.15	U	0.68		
cis-1,3-Dichloropropene	10061-01-5	111	0.11	U	0.5		
1,1,2-Trichloroethane	79-00-5	133.4	0.08	U	0.44		

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Project : 141 JUNIPER DRIVE **Sampling Date :** 11/05/25

Field Id Number : 141-IA-1 **Analysis Date :** 11/06/25

Laboratory Id Number : Q3557-02 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.09	U	0.77		
1,2-Dibromoethane	106-93-4	187.9	0.09	U	0.69		
Tetrachloroethene	127-18-4	165.8	0.02	U	0.14		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.19	U	0.83		
m/p-Xylene	179601-23-1	106.2	0.41	U	1.78		
o-Xylene	95-47-6	106.2	0.21	U	0.91		
Styrene	100-42-5	104.1	0.16	U	0.68		
Bromoform	75-25-2	252.8	0.05	U	0.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.02	U	0.14		
2-Chlorotoluene	95-49-8	126.6	0.17	U	0.88		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.18	U	0.88		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.18	U	0.88		
1,3-Dichlorobenzene	541-73-1	147	0.05	U	0.3		
1,4-Dichlorobenzene	106-46-7	147	0.13	U	0.78		
1,2-Dichlorobenzene	95-50-1	147	0.13	U	0.78		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.21	U	1.56		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.13	U	1.39		
Naphthalene	91-20-3	128.17	0.13		0.68		
1,3-Butadiene	106-99-0	54.09	0.05	U	0.11		
4-Ethyltoluene	622-96-8	120.2	0.21	U	1.03		
Hexane	110-54-3	86.17	6.9		24.3		
Allyl Chloride	107-05-1	76.53	0.11	U	0.34		
1,4-Dioxane	123-91-1	88.12	0.22	U	0.79		
Methyl Methacrylate	80-62-6	100.117	0.14	U	0.57		

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Project : 141 JUNIPER DRIVE
Sampling Date : 11/05/25
Field Id Number : 141-IA-1DL
Analysis Date : 11/06/25
Laboratory Id Number : Q3557-02DL
Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1.4	JD	6.92		
Chloromethane	74-87-3	50.49	0.47	JD	0.97		
Vinyl Chloride	75-01-4	62.5	0.1	UD	0.26		
Bromomethane	74-83-9	94.94	0.31	UD	1.2		
Chloroethane	75-00-3	64.52	0.6	UD	1.58		
Tetrahydrofuran	109-99-9	72.11	0.32	UD	0.94		
Trichlorofluoromethane	75-69-4	137.4	0.68	UD	3.82		
Dichlorotetrafluoroethane	76-14-2	170.9	0.6	UD	4.19		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.56	UD	4.29		
tert-Butyl alcohol	75-65-0	74.12	0.64	UD	1.94		
Heptane	142-82-5	100.2	0.68	UD	2.79		
1,1-Dichloroethene	75-35-4	96.94	0.6	UD	2.38		
Acetone	67-64-1	58.08	11.6	D	27.6		
Carbon Disulfide	75-15-0	76.14	0.32	UD	1		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.92	UD	3.32		
Methylene Chloride	75-09-2	84.94	14.9	D	51.8		
trans-1,2-Dichloroethene	156-60-5	96.94	0.48	UD	1.9		
1,1-Dichloroethane	75-34-3	98.96	0.52	UD	2.1		
Cyclohexane	110-82-7	84.16	0.88	UD	3.03		
2-Butanone	78-93-3	72.11	1.5	JD	4.42		
Carbon Tetrachloride	56-23-5	153.8	0.1	UD	0.63		
cis-1,2-Dichloroethene	156-59-2	96.94	0.4	UD	1.59		
Chloroform	67-66-3	119.4	0.38	UD	1.86		
1,1,1-Trichloroethane	71-55-6	133.4	0.06	UD	0.33		
2,2,4-Trimethylpentane	540-84-1	114.2	0.56	UD	2.62		
Benzene	71-43-2	78.11	0.41	JD	1.31		
1,2-Dichloroethane	107-06-2	98.96	0.37	UD	1.5		
Trichloroethene	79-01-6	131.4	0.1	UD	0.54		
1,2-Dichloropropane	78-87-5	113	0.52	UD	2.4		
Bromodichloromethane	75-27-4	163.8	0.25	UD	1.67		
4-Methyl-2-Pentanone	108-10-1	100.2	0.39	UD	1.6		
Toluene	108-88-3	92.14	0.64	UD	2.41		
t-1,3-Dichloropropene	10061-02-6	111	0.6	UD	2.72		
cis-1,3-Dichloropropene	10061-01-5	111	0.44	UD	2		
1,1,2-Trichloroethane	79-00-5	133.4	0.32	UD	1.75		

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Project : 141 JUNIPER DRIVE **Sampling Date :** 11/05/25

Field Id Number : 141-IA-1DL **Analysis Date :** 11/06/25

Laboratory Id Number : Q3557-02DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.34	UD	2.9		
1,2-Dibromoethane	106-93-4	187.9	0.34	UD	2.61		
Tetrachloroethene	127-18-4	165.8	0.06	UD	0.41		
Chlorobenzene	108-90-7	112.6	0.31	UD	1.43		
Ethyl Benzene	100-41-4	106.2	0.76	UD	3.3		
m/p-Xylene	179601-23-1	106.2	1.6	UD	6.95		
o-Xylene	95-47-6	106.2	0.84	UD	3.65		
Styrene	100-42-5	104.1	0.64	UD	2.72		
Bromoform	75-25-2	252.8	0.19	UD	1.96		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.07	UD	0.48		
2-Chlorotoluene	95-49-8	126.6	0.68	UD	3.52		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.72	UD	3.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.72	UD	3.54		
1,3-Dichlorobenzene	541-73-1	147	0.22	UD	1.32		
1,4-Dichlorobenzene	106-46-7	147	0.52	UD	3.13		
1,2-Dichlorobenzene	95-50-1	147	0.52	UD	3.13		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.84	UD	6.24		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.52	UD	5.55		
Naphthalene	91-20-3	128.17	0.05	UD	0.26		
1,3-Butadiene	106-99-0	54.09	0.2	UD	0.44		
4-Ethyltoluene	622-96-8	120.2	0.84	UD	4.13		
Hexane	110-54-3	86.17	5.2	D	18.3		
Allyl Chloride	107-05-1	76.53	0.44	UD	1.38		
1,4-Dioxane	123-91-1	88.12	0.88	UD	3.17		
Methyl Methacrylate	80-62-6	100.117	0.56	UD	2.29		

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Project : 141 JUNIPER DRIVE
Sampling Date : 11/05/25
Field Id Number : 141-IA2
Analysis Date : 11/06/25
Laboratory Id Number : Q3557-03
Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	2.1		10.4		
Chloromethane	74-87-3	50.49	0.47	J	0.97		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.08	U	0.31		
Chloroethane	75-00-3	64.52	0.15	U	0.4		
Tetrahydrofuran	109-99-9	72.11	0.08	U	0.24		
Trichlorofluoromethane	75-69-4	137.4	0.36	J	2.02		
Dichlorotetrafluoroethane	76-14-2	170.9	0.15	U	1.05		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.14	U	1.07		
tert-Butyl alcohol	75-65-0	74.12	0.16	U	0.49		
Heptane	142-82-5	100.2	0.26	J	1.07		
1,1-Dichloroethene	75-35-4	96.94	0.15	U	0.59		
Acetone	67-64-1	58.08	12.7		30.2		
Carbon Disulfide	75-15-0	76.14	0.08	U	0.25		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.23	U	0.83		
Methylene Chloride	75-09-2	84.94	0.66		2.29		
trans-1,2-Dichloroethene	156-60-5	96.94	0.12	U	0.48		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.35	J	1.2		
2-Butanone	78-93-3	72.11	0.61		1.8		
Carbon Tetrachloride	56-23-5	153.8	0.09		0.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.1	U	0.4		
Chloroform	67-66-3	119.4	0.1	U	0.49		
1,1,1-Trichloroethane	71-55-6	133.4	0.02	U	0.11		
2,2,4-Trimethylpentane	540-84-1	114.2	0.48	J	2.24		
Benzene	71-43-2	78.11	0.54		1.73		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.13	U	0.6		
Bromodichloromethane	75-27-4	163.8	0.06	U	0.4		
4-Methyl-2-Pentanone	108-10-1	100.2	0.1	U	0.41		
Toluene	108-88-3	92.14	0.9		3.39		
t-1,3-Dichloropropene	10061-02-6	111	0.15	U	0.68		
cis-1,3-Dichloropropene	10061-01-5	111	0.11	U	0.5		
1,1,2-Trichloroethane	79-00-5	133.4	0.08	U	0.44		

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Project : 141 JUNIPER DRIVE **Sampling Date :** 11/05/25

Field Id Number : 141-IA2 **Analysis Date :** 11/06/25

Laboratory Id Number : Q3557-03 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.09	U	0.77		
1,2-Dibromoethane	106-93-4	187.9	0.09	U	0.69		
Tetrachloroethene	127-18-4	165.8	0.02	U	0.14		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.19	U	0.83		
m/p-Xylene	179601-23-1	106.2	0.6	J	2.61		
o-Xylene	95-47-6	106.2	0.25	J	1.09		
Styrene	100-42-5	104.1	0.16	U	0.68		
Bromoform	75-25-2	252.8	0.05	U	0.52		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.02	U	0.14		
2-Chlorotoluene	95-49-8	126.6	0.17	U	0.88		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.18	U	0.88		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.18	U	0.88		
1,3-Dichlorobenzene	541-73-1	147	0.05	U	0.3		
1,4-Dichlorobenzene	106-46-7	147	0.13	U	0.78		
1,2-Dichlorobenzene	95-50-1	147	0.13	U	0.78		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.21	U	1.56		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.13	U	1.39		
Naphthalene	91-20-3	128.17	0.27		1.42		
1,3-Butadiene	106-99-0	54.09	0.05	U	0.11		
4-Ethyltoluene	622-96-8	120.2	0.21	U	1.03		
Hexane	110-54-3	86.17	2.7		9.52		
Allyl Chloride	107-05-1	76.53	0.11	U	0.34		
1,4-Dioxane	123-91-1	88.12	0.22	U	0.79		
Methyl Methacrylate	80-62-6	100.117	0.14	U	0.57		

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Project : 141 JUNIPER DRIVE
Sampling Date : 11/05/25
Field Id Number : 141-SG-1
Analysis Date : 11/06/25
Laboratory Id Number : Q3557-04
Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1.1		5.44		
Chloromethane	74-87-3	50.49	0.25	J	0.52		
Vinyl Chloride	75-01-4	62.5	0.05	U	0.13		
Bromomethane	74-83-9	94.94	0.15	U	0.58		
Chloroethane	75-00-3	64.52	0.3	U	0.79		
Tetrahydrofuran	109-99-9	72.11	0.16	U	0.47		
Trichlorofluoromethane	75-69-4	137.4	0.34	U	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.3	U	2.1		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.28	U	2.15		
tert-Butyl alcohol	75-65-0	74.12	0.32	U	0.97		
Heptane	142-82-5	100.2	0.34	U	1.39		
1,1-Dichloroethene	75-35-4	96.94	0.3	U	1.19		
Acetone	67-64-1	58.08	9.1		21.6		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.46	U	1.66		
Methylene Chloride	75-09-2	84.94	0.92	J	3.2		
trans-1,2-Dichloroethene	156-60-5	96.94	0.24	U	0.95		
1,1-Dichloroethane	75-34-3	98.96	0.26	U	1.05		
Cyclohexane	110-82-7	84.16	0.44	U	1.51		
2-Butanone	78-93-3	72.11	0.99	J	2.92		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.2	U	0.79		
Chloroform	67-66-3	119.4	0.72	J	3.52		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.28	U	1.31		
Benzene	71-43-2	78.11	0.16	U	0.51		
1,2-Dichloroethane	107-06-2	98.96	0.19	U	0.77		
Trichloroethene	79-01-6	131.4	0.05	U	0.27		
1,2-Dichloropropane	78-87-5	113	0.26	U	1.2		
Bromodichloromethane	75-27-4	163.8	0.13	U	0.87		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	U	0.78		
Toluene	108-88-3	92.14	0.32	U	1.21		
t-1,3-Dichloropropene	10061-02-6	111	0.3	U	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.22	U	1		
1,1,2-Trichloroethane	79-00-5	133.4	0.16	U	0.87		

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Project : 141 JUNIPER DRIVE **Sampling Date :** 11/05/25

Field Id Number : 141-SG-1 **Analysis Date :** 11/06/25

Laboratory Id Number : Q3557-04 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.17	U	1.45		
1,2-Dibromoethane	106-93-4	187.9	0.17	U	1.31		
Tetrachloroethene	127-18-4	165.8	0.03	U	0.2		
Chlorobenzene	108-90-7	112.6	0.15	U	0.69		
Ethyl Benzene	100-41-4	106.2	0.38	U	1.65		
m/p-Xylene	179601-23-1	106.2	0.82	U	3.56		
o-Xylene	95-47-6	106.2	0.42	U	1.82		
Styrene	100-42-5	104.1	0.32	U	1.36		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.34	U	1.76		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.36	U	1.77		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.36	U	1.77		
1,3-Dichlorobenzene	541-73-1	147	0.11	U	0.66		
1,4-Dichlorobenzene	106-46-7	147	0.26	U	1.56		
1,2-Dichlorobenzene	95-50-1	147	0.26	U	1.56		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.42	U	3.12		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.26	U	2.77		
Naphthalene	91-20-3	128.17	0.03	U	0.16		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.42	U	2.06		
Hexane	110-54-3	86.17	0.56	J	1.97		
Allyl Chloride	107-05-1	76.53	0.22	U	0.69		
1,4-Dioxane	123-91-1	88.12	0.44	U	1.59		
Methyl Methacrylate	80-62-6	100.117	0.28	U	1.15		

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Project : 141 JUNIPER DRIVE
Sampling Date : 11/05/25
Field Id Number : 141-SG-2
Analysis Date : 11/06/25
Laboratory Id Number : Q3557-05
Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1.1		5.44		
Chloromethane	74-87-3	50.49	0.2	U	0.41		
Vinyl Chloride	75-01-4	62.5	0.05	U	0.13		
Bromomethane	74-83-9	94.94	0.15	U	0.58		
Chloroethane	75-00-3	64.52	0.3	U	0.79		
Tetrahydrofuran	109-99-9	72.11	0.23	J	0.68		
Trichlorofluoromethane	75-69-4	137.4	0.34	U	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.3	U	2.1		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.28	U	2.15		
tert-Butyl alcohol	75-65-0	74.12	1		3.03		
Heptane	142-82-5	100.2	0.34	U	1.39		
1,1-Dichloroethene	75-35-4	96.94	0.3	U	1.19		
Acetone	67-64-1	58.08	67.2	E	159		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.46	U	1.66		
Methylene Chloride	75-09-2	84.94	1.1		3.82		
trans-1,2-Dichloroethene	156-60-5	96.94	0.24	U	0.95		
1,1-Dichloroethane	75-34-3	98.96	0.26	U	1.05		
Cyclohexane	110-82-7	84.16	0.44	U	1.51		
2-Butanone	78-93-3	72.11	2.7		7.96		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.2	U	0.79		
Chloroform	67-66-3	119.4	0.19	U	0.93		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.28	U	1.31		
Benzene	71-43-2	78.11	0.16	U	0.51		
1,2-Dichloroethane	107-06-2	98.96	0.19	U	0.77		
Trichloroethene	79-01-6	131.4	0.05	U	0.27		
1,2-Dichloropropane	78-87-5	113	0.26	U	1.2		
Bromodichloromethane	75-27-4	163.8	0.13	U	0.87		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	U	0.78		
Toluene	108-88-3	92.14	0.32	U	1.21		
t-1,3-Dichloropropene	10061-02-6	111	0.3	U	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.22	U	1		
1,1,2-Trichloroethane	79-00-5	133.4	0.16	U	0.87		

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Project : 141 JUNIPER DRIVE
Sampling Date : 11/05/25
Field Id Number : 141-SG-2
Analysis Date : 11/06/25
Laboratory Id Number : Q3557-05
Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.17	U	1.45		
1,2-Dibromoethane	106-93-4	187.9	0.17	U	1.31		
Tetrachloroethene	127-18-4	165.8	0.22		1.49		
Chlorobenzene	108-90-7	112.6	0.15	U	0.69		
Ethyl Benzene	100-41-4	106.2	0.38	U	1.65		
m/p-Xylene	179601-23-1	106.2	0.82	U	3.56		
o-Xylene	95-47-6	106.2	0.42	U	1.82		
Styrene	100-42-5	104.1	0.32	U	1.36		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.34	U	1.76		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.36	U	1.77		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.36	U	1.77		
1,3-Dichlorobenzene	541-73-1	147	0.11	U	0.66		
1,4-Dichlorobenzene	106-46-7	147	0.26	U	1.56		
1,2-Dichlorobenzene	95-50-1	147	0.26	U	1.56		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.42	U	3.12		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.26	U	2.77		
Naphthalene	91-20-3	128.17	0.03	U	0.16		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.42	U	2.06		
Hexane	110-54-3	86.17	0.56	J	1.97		
Allyl Chloride	107-05-1	76.53	0.22	U	0.69		
1,4-Dioxane	123-91-1	88.12	0.44	U	1.59		
Methyl Methacrylate	80-62-6	100.117	0.28	U	1.15		

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Project : 141 JUNIPER DRIVE
Sampling Date : 11/05/25
Field Id Number : 141-SG-2DL
Analysis Date : 11/06/25
Laboratory Id Number : Q3557-05DL
Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1.2	JD	5.93		
Chloromethane	74-87-3	50.49	0.98	UD	2.02		
Vinyl Chloride	75-01-4	62.5	0.25	UD	0.64		
Bromomethane	74-83-9	94.94	0.77	UD	2.99		
Chloroethane	75-00-3	64.52	1.5	UD	3.96		
Tetrahydrofuran	109-99-9	72.11	0.8	UD	2.36		
Trichlorofluoromethane	75-69-4	137.4	1.7	UD	9.55		
Dichlorotetrafluoroethane	76-14-2	170.9	1.5	UD	10.5		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1.4	UD	10.7		
tert-Butyl alcohol	75-65-0	74.12	1.6	UD	4.85		
Heptane	142-82-5	100.2	1.7	UD	6.97		
1,1-Dichloroethene	75-35-4	96.94	1.5	UD	5.95		
Acetone	67-64-1	58.08	76.7	D	182		
Carbon Disulfide	75-15-0	76.14	0.8	UD	2.49		
Methyl tert-Butyl Ether	1634-04-4	88.15	2.3	UD	8.29		
Methylene Chloride	75-09-2	84.94	3.1	JD	10.8		
trans-1,2-Dichloroethene	156-60-5	96.94	1.2	UD	4.76		
1,1-Dichloroethane	75-34-3	98.96	1.3	UD	5.26		
Cyclohexane	110-82-7	84.16	2.2	UD	7.57		
2-Butanone	78-93-3	72.11	2.8	JD	8.26		
Carbon Tetrachloride	56-23-5	153.8	0.25	UD	1.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.99	UD	3.93		
Chloroform	67-66-3	119.4	0.96	UD	4.69		
1,1,1-Trichloroethane	71-55-6	133.4	0.16	UD	0.87		
2,2,4-Trimethylpentane	540-84-1	114.2	1.4	UD	6.54		
Benzene	71-43-2	78.11	0.79	UD	2.52		
1,2-Dichloroethane	107-06-2	98.96	0.93	UD	3.76		
Trichloroethene	79-01-6	131.4	0.24	UD	1.29		
1,2-Dichloropropane	78-87-5	113	1.3	UD	6.01		
Bromodichloromethane	75-27-4	163.8	0.63	UD	4.22		
4-Methyl-2-Pentanone	108-10-1	100.2	0.97	UD	3.98		
Toluene	108-88-3	92.14	1.6	UD	6.03		
t-1,3-Dichloropropene	10061-02-6	111	1.5	UD	6.81		
cis-1,3-Dichloropropene	10061-01-5	111	1.1	UD	4.99		
1,1,2-Trichloroethane	79-00-5	133.4	0.81	UD	4.42		

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Fax : 908 789 8922

Project : 141 JUNIPER DRIVE **Sampling Date :** 11/05/25

Field Id Number : 141-SG-2DL **Analysis Date :** 11/06/25

Laboratory Id Number : Q3557-05DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.85	UD	7.24		
1,2-Dibromoethane	106-93-4	187.9	0.85	UD	6.53		
Tetrachloroethene	127-18-4	165.8	0.15	UD	1.02		
Chlorobenzene	108-90-7	112.6	0.77	UD	3.55		
Ethyl Benzene	100-41-4	106.2	1.9	UD	8.25		
m/p-Xylene	179601-23-1	106.2	4.1	UD	17.8		
o-Xylene	95-47-6	106.2	2.1	UD	9.12		
Styrene	100-42-5	104.1	1.6	UD	6.81		
Bromoform	75-25-2	252.8	0.48	UD	4.96		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.18	UD	1.24		
2-Chlorotoluene	95-49-8	126.6	1.7	UD	8.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.8	UD	8.85		
1,2,4-Trimethylbenzene	95-63-6	120.2	1.8	UD	8.85		
1,3-Dichlorobenzene	541-73-1	147	0.54	UD	3.25		
1,4-Dichlorobenzene	106-46-7	147	1.3	UD	7.82		
1,2-Dichlorobenzene	95-50-1	147	1.3	UD	7.82		
1,2,4-Trichlorobenzene	120-82-1	181.5	2.1	UD	15.6		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1.3	UD	13.9		
1,3-Butadiene	106-99-0	54.09	0.51	UD	1.13		
Naphthalene	91-20-3	128.17	0.13	UD	0.68		
4-Ethyltoluene	622-96-8	120.2	2.1	UD	10.3		
Hexane	110-54-3	86.17	1.6	UD	5.64		
Allyl Chloride	107-05-1	76.53	1.1	UD	3.44		
1,4-Dioxane	123-91-1	88.12	2.2	UD	7.93		
Methyl Methacrylate	80-62-6	100.117	1.4	UD	5.73		

Method	Matrix	Parameter	Instrument ID	Column ID	MDL (ppbv)	RL (ppbv)	MB Data	MB Datafile	StdevVal
TO-15	Air	1,1,1,2-Tetrachloroethane	MSVOA_L	RTX-1	0.089	0.50	0		0.028115408
TO-15	Air	1,1,1-Trichloroethane	MSVOA_L	RTX-1	0.016	0.030	0		0.005089672
TO-15	Air	1,1,2,2-Tetrachloroethane	MSVOA_L	RTX-1	0.018	0.030	0		0.005472877
TO-15	Air	1,1,2-Trichloroethane	MSVOA_L	RTX-1	0.081	0.50	0		0.02572751
TO-15	Air	1,1,2-Trichlorotrifluoroethane	MSVOA_L	RTX-1	0.14	0.50	0		0.042983939
TO-15	Air	1,1-Dichloroethane	MSVOA_L	RTX-1	0.13	0.50	0		0.040178175
TO-15	Air	1,1-Dichloroethene	MSVOA_L	RTX-1	0.15	0.50	0		0.047056197
TO-15	Air	1,2,4-Trichlorobenzene	MSVOA_L	RTX-1	0.21	0.50	0		0.064291005
TO-15	Air	1,2,4-Trimethylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.054467115
TO-15	Air	1,2-Dibromoethane	MSVOA_L	RTX-1	0.085	0.10	0		0.026726124
TO-15	Air	1,2-Dichlorobenzene	MSVOA_L	RTX-1	0.13	0.50	0		0.040999419
TO-15	Air	1,2-Dichloroethane	MSVOA_L	RTX-1	0.093	0.50	0		0.029277002
TO-15	Air	1,2-Dichloropropane	MSVOA_L	RTX-1	0.13	0.50	0		0.039880775
TO-15	Air	1,3,5-Trimethylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.054598099
TO-15	Air	1,3-Butadiene	MSVOA_L	RTX-1	0.051	0.50	0		0.016035675
TO-15	Air	1,3-Dichlorobenzene	MSVOA_L	RTX-1	0.054	0.50	0		0.017043362
TO-15	Air	1,4-Dichlorobenzene	MSVOA_L	RTX-1	0.13	0.50	0		0.039460649
TO-15	Air	1,4-Dioxane	MSVOA_L	RTX-1	0.22	0.50	0		0.067330033
TO-15	Air	2,2,4-Trimethylpentane	MSVOA_L	RTX-1	0.14	0.50	0		0.044131837
TO-15	Air	2-Butanone	MSVOA_L	RTX-1	0.056	0.50	0		0.017728105
TO-15	Air	2-Chlorotoluene	MSVOA_L	RTX-1	0.17	0.50	0		0.052599113
TO-15	Air	2-Hexanone	MSVOA_L	RTX-1	0.11	0.50	0		0.033523268
TO-15	Air	4-Ethyltoluene	MSVOA_L	RTX-1	0.21	0.50	0		0.066332496
TO-15	Air	4-Methyl-2-Pentanone	MSVOA_L	RTX-1	0.097	0.50	0		0.030783422
TO-15	Air	Acetone	MSVOA_L	RTX-1	0.18	0.50	0		0.055592052
TO-15	Air	Allyl Chloride	MSVOA_L	RTX-1	0.11	0.50	0		0.033380918
TO-15	Air	Benzene	MSVOA_L	RTX-1	0.079	0.50	0		0.025071327
TO-15	Air	Benzyl Chloride	MSVOA_L	RTX-1	0.089	0.50	0		0.028284271
TO-15	Air	Bromodichloromethane	MSVOA_L	RTX-1	0.063	0.50	0		0.019880596
TO-15	Air	Bromoethene	MSVOA_L	RTX-1	0.2	0.50	0		0.062678317
TO-15	Air	Bromoform	MSVOA_L	RTX-1	0.048	0.50	0		0.015118579
TO-15	Air	Bromomethane	MSVOA_L	RTX-1	0.077	0.50	0		0.024494897
TO-15	Air	Carbon Disulfide	MSVOA_L	RTX-1	0.08	0.50	0		0.02544836
TO-15	Air	Carbon Tetrachloride	MSVOA_L	RTX-1	0.025	0.030	0		0.007690439
TO-15	Air	Chlorobenzene	MSVOA_L	RTX-1	0.077	0.50	0		0.024397502
TO-15	Air	Chlorodifluoromethane	MSVOA_L	RTX-1	0.12	0.50	0		0.037859389
TO-15	Air	Chloroethane	MSVOA_L	RTX-1	0.15	0.50	0		0.045250625
TO-15	Air	Chloroform	MSVOA_L	RTX-1	0.096	0.50	0		0.030394235
TO-15	Air	Chloromethane	MSVOA_L	RTX-1	0.098	0.50	0		0.03101459
TO-15	Air	cis-1,2-Dichloroethene	MSVOA_L	RTX-1	0.099	0.50	0		0.031471832
TO-15	Air	cis-1,3-Dichloropropene	MSVOA_L	RTX-1	0.11	0.50	0		0.032071349
TO-15	Air	Cyclohexane	MSVOA_L	RTX-1	0.22	0.50	0		0.06972736
TO-15	Air	Dibromochloromethane	MSVOA_L	RTX-1	0.085	0.50	0		0.026726124
TO-15	Air	Dichlorodifluoromethane	MSVOA_L	RTX-1	0.11	0.50	0		0.033380918
TO-15	Air	Dichlorotetrafluoroethane	MSVOA_L	RTX-1	0.15	0.50	0		0.045460606
TO-15	Air	Ethanol	MSVOA_L	RTX-1	0.32	0.50	0		0.098848128
TO-15	Air	Ethyl Acetate	MSVOA_L	RTX-1	0.12	0.50	0		0.036384193
TO-15	Air	Ethyl Benzene	MSVOA_L	RTX-1	0.19	0.50	0		0.058554004
TO-15	Air	Heptane	MSVOA_L	RTX-1	0.17	0.50	0		0.051130086
TO-15	Air	Hexachloro-1,3-Butadiene	MSVOA_L	RTX-1	0.13	0.50	0		0.038297084
TO-15	Air	Hexane	MSVOA_L	RTX-1	0.16	0.50	0		0.04894117
TO-15	Air	Isopropyl Alcohol	MSVOA_L	RTX-1	0.23	0.50	0		0.070676998
TO-15	Air	Isopropylbenzene	MSVOA_L	RTX-1	0.16	0.50	0		0.048205908
TO-15	Air	m/p-Xylene	MSVOA_L	RTX-1	0.41	1.00	0		0.130091543
TO-15	Air	Methyl Methacrylate	MSVOA_L	RTX-1	0.14	0.50	0		0.044131837
TO-15	Air	Methyl tert-Butyl Ether	MSVOA_L	RTX-1	0.23	0.50	0		0.07296444
TO-15	Air	Methylene Chloride	MSVOA_L	RTX-1	0.23	0.50	0		0.07204496
TO-15	Air	Naphthalene	MSVOA_L	RTX-1	0.013	0.10	0		0.004076647
TO-15	Air	Naphthalene,2-methyl-	MSVOA_L	RTX-1	0.22	0.50	0		0.069213266
TO-15	Air	n-Butylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.055805786
TO-15	Air	n-propylbenzene	MSVOA_L	RTX-1	0.2	0.50	0		0.06164414
TO-15	Air	o-Xylene	MSVOA_L	RTX-1	0.21	0.50	0		0.06491753
TO-15	Air	p-Isopropyltoluene	MSVOA_L	RTX-1	0.19	0.50	0		0.059561893
TO-15	Air	Propene	MSVOA_L	RTX-1	0.077	0.50	0		0.024397502
TO-15	Air	sec-Butylbenzene	MSVOA_L	RTX-1	0.2	0.50	0		0.061913919
TO-15	Air	Styrene	MSVOA_L	RTX-1	0.16	0.50	0		0.05
TO-15	Air	t-1,3-Dichloropropene	MSVOA_L	RTX-1	0.15	0.50	0		0.046496288
TO-15	Air	tert-Butyl alcohol	MSVOA_L	RTX-1	0.16	0.50	0		0.048892496
TO-15	Air	tert-Butylbenzene	MSVOA_L	RTX-1	0.22	0.50	0		0.067928534
TO-15	Air	Tetrachloroethene	MSVOA_L	RTX-1	0.015	0.030	0		0.004725816
TO-15	Air	Tetrahydrofuran	MSVOA_L	RTX-1	0.08	0.50	0		0.025166115
TO-15	Air	Toluene	MSVOA_L	RTX-1	0.16	0.50	0		0.050142654
TO-15	Air	trans-1,2-Dichloroethene	MSVOA_L	RTX-1	0.12	0.50	0		0.036968455
TO-15	Air	Trichloroethene	MSVOA_L	RTX-1	0.024	0.030	0		0.007587584
TO-15	Air	Trichlorofluoromethane	MSVOA_L	RTX-1	0.17	0.50	0		0.053452248
TO-15	Air	Vinyl Acetate	MSVOA_L	RTX-1	0.26	0.50	0		0.079671946
TO-15	Air	Vinyl Chloride	MSVOA_L	RTX-1	0.025	0.030	0		0.007955232

Students Value	Spike_Amt_Added	Datafile1	Concentration1	Adate1	Datafile2	Concentration2	Adate2
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.03	VL041883.D	0.037	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.03	VL041883.D	0.045	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.53	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.49	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.38	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.6	01092025T21:16:00	VL041878.D	0.62	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.31	01092025T21:16:00	VL041878.D	0.29	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.53	01092025T21:46:00
3.143	0.4	VL041877.D	0.36	01092025T21:16:00	VL041878.D	0.35	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.03	VL041883.D	0.036	01102025T00:17:00	VL041884.D	0.038	01102025T00:47:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.48	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.57	01092025T21:16:00	VL041878.D	0.59	01092025T21:46:00
3.143	0.4	VL041877.D	0.51	01092025T21:16:00	VL041878.D	0.5	01092025T21:46:00
3.143	0.4	VL041877.D	0.54	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.39	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL042501.D	0.885	05062025T17:36:00	VL042502.D	0.76	05062025T18:07:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.5	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.59	01092025T21:16:00	VL041878.D	0.6	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.91	01092025T21:16:00	VL041878.D	0.91	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.41	01092025T21:46:00
3.143	0.4	VL041877.D	0.4	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.68	01092025T21:16:00	VL041878.D	0.61	01092025T21:46:00
3.143	0.04	VL042504.D	0.035	05062025T19:10:00	VL042505.D	0.04	05062025T19:42:00
3.143	0.4	VL041877.D	0.34	01092025T21:16:00	VL041878.D	0.34	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.42	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.36	01092025T21:46:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.03	VL041883.D	0.037	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.03	VL041883.D	0.047	01102025T00:17:00	VL041884.D	0.047	01102025T00:47:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.03	VL042498.D	0.018	05062025T16:01:00	VL042500.D	0.032	05062025T17:04:00

Datafile3	Concentration3	Adate3	Datafile4	Concentration4	Adate4	Datafile5	Concentration5
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.4
VL041885.D	0.038	01102025T01:18:00	VL041913.D	0.033	01152025T02:53:00	VL041914.D	0.037
VL041885.D	0.044	01102025T01:18:00	VL041913.D	0.033	01152025T02:53:00	VL041914.D	0.032
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.55	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.57	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.48
VL041879.D	0.58	01092025T22:17:00	VL041909.D	0.49	01152025T00:52:00	VL041910.D	0.49
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.39
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.51
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.44
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.39
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.44
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.39	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.39	01152025T00:52:00	VL041910.D	0.37
VL041879.D	0.68	01092025T22:17:00	VL041909.D	0.53	01152025T00:52:00	VL041910.D	0.53
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.28	01092025T22:17:00	VL041909.D	0.26	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.4	01152025T00:52:00	VL041910.D	0.4
VL041879.D	0.55	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.52
VL041879.D	0.37	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.4
VL041885.D	0.048	01102025T01:18:00	VL041913.D	0.026	01152025T02:53:00	VL041914.D	0.033
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.52	01152025T00:52:00	VL041910.D	0.45
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.41	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.46
VL042503.D	0.611	05062025T18:39:00	VL042518.D	0.831	05072025T15:02:00	VL042519.D	0.842
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.37
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.63	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.92	01092025T22:17:00	VL041909.D	0.72	01152025T00:52:00	VL041910.D	0.69
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.42	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.52
VL041879.D	0.63	01092025T22:17:00	VL041909.D	0.54	01152025T00:52:00	VL041910.D	0.57
VL042506.D	0.04	05062025T20:13:00	VL042521.D	0.031	05072025T16:49:00	VL042522.D	0.032
VL041879.D	0.33	01092025T22:17:00	VL041909.D	0.28	01152025T00:52:00	VL041910.D	0.25
VL041879.D	0.42	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.48
VL041879.D	0.45	01092025T22:17:00	VL041909.D	0.38	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.31
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.37
VL041885.D	0.034	01102025T01:18:00	VL041913.D	0.037	01152025T02:53:00	VL041914.D	0.034
VL041879.D	0.41	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.54	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.48
VL041885.D	0.035	01102025T01:18:00	VL041913.D	0.029	01152025T02:53:00	VL041914.D	0.033
VL041879.D	0.54	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.44
VL042515.D	0.021	05072025T13:17:00	VL042516.D	0.021	05072025T13:50:00	VL042517.D	0.014

Adate5	Datafile6	Concentration6	Adate6	Datafile7	Concentration7	Adate7	Department
01152025T01:23:00	VL041932.D	0.41	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.028	01212025T00:31:00	VL041940.D	0.027	01212025T09:44:00	VOC
01152025T03:23:00	VL041936.D	0.034	01212025T00:31:00	VL041940.D	0.034	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.44	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.4	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.49	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.49	01202025T22:30:00	VL041933.D	0.52	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.45	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.41	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.46	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.36	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.31	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.58	01202025T22:30:00	VL041933.D	0.54	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.43	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.29	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.42	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.52	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.38	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.029	01212025T00:31:00	VL041940.D	0.027	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.51	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.52	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.35	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.37	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.36	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.48	01202025T22:30:00	VL041933.D	0.51	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.45	01202025T23:00:00	VOC
05072025T15:37:00	VL042520.D	0.766	05072025T16:13:00	VL042569.D	0.664	05212025T16:53:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.4	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.32	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.37	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.44	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.4	01202025T22:30:00	VL041933.D	0.36	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.46	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.36	01202025T22:30:00	VL041933.D	0.35	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.64	01202025T22:30:00	VL041933.D	0.65	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
05072025T17:24:00	VL042523.D	0.03	05072025T17:58:00	VL042567.D	0.034	05212025T15:49:00	VOC
01152025T01:23:00	VL041932.D	0.2	01202025T22:30:00	VL041933.D	0.17	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.31	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.32	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.32	01202025T22:30:00	VL041933.D	0.32	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.3	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.27	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.44	01202025T22:30:00	VL041933.D	0.38	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.026	01212025T00:31:00	VL041940.D	0.03	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.44	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.033	01212025T00:31:00	VL041940.D	0.03	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
05072025T14:29:00	VL042575.D	0.034	05222025T11:27:00	VL042576.D	0.032	05222025T11:59:00	VOC

AVG Concentration	Recovery	Effective Date
0.43	108	5/22/2025
0.03	114	5/22/2025
0.04	125	5/22/2025
0.47	119	5/22/2025
0.50	125	5/22/2025
0.50	125	5/22/2025
0.50	125	5/22/2025
0.40	100	5/22/2025
0.40	100	5/22/2025
0.45	112	5/22/2025
0.48	120	5/22/2025
0.49	123	5/22/2025
0.48	119	5/22/2025
0.38	95	5/22/2025
0.51	128	5/22/2025
0.46	116	5/22/2025
0.45	112	5/22/2025
0.44	110	5/22/2025
0.42	105	5/22/2025
0.46	115	5/22/2025
0.40	100	5/22/2025
0.36	91	5/22/2025
0.37	93	5/22/2025
0.40	100	5/22/2025
0.58	146	5/22/2025
0.47	118	5/22/2025
0.45	111	5/22/2025
0.30	75	5/22/2025
0.42	106	5/22/2025
0.48	119	5/22/2025
0.35	86	5/22/2025
0.50	125	5/22/2025
0.41	102	5/22/2025
0.03	113	5/22/2025
0.48	121	5/22/2025
0.47	118	5/22/2025
0.52	130	5/22/2025
0.48	121	5/22/2025
0.50	126	5/22/2025
0.44	111	5/22/2025
0.36	91	5/22/2025
0.40	101	5/22/2025
0.38	95	5/22/2025
0.50	125	5/22/2025
0.49	123	5/22/2025
0.77	191	5/22/2025
0.42	106	5/22/2025
0.38	94	5/22/2025
0.40	100	5/22/2025
0.46	115	5/22/2025
0.43	106	5/22/2025
0.53	134	5/22/2025
0.40	101	5/22/2025
0.78	194	5/22/2025
0.38	95	5/22/2025
0.40	101	5/22/2025
0.57	143	5/22/2025
0.03	86	5/22/2025
0.27	68	5/22/2025
0.37	93	5/22/2025
0.38	95	5/22/2025
0.39	97	5/22/2025
0.38	95	5/22/2025
0.50	124	5/22/2025
0.40	100	5/22/2025
0.35	88	5/22/2025
0.35	86	5/22/2025
0.45	113	5/22/2025
0.39	98	5/22/2025
0.03	113	5/22/2025
0.42	105	5/22/2025
0.39	97	5/22/2025
0.48	120	5/22/2025
0.04	121	5/22/2025
0.48	119	5/22/2025
0.42	105	5/22/2025
0.02	82	5/22/2025

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3557

Client: RTP Environmental

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3555-02DUP	151-IA-2DUP	1-Bromo-4-Fluorobenzene	10	10.1	101		70 (65)	130 (135)
Q3557-01	141-AA-1	1-Bromo-4-Fluorobenzene	10	10.2	102		70 (65)	130 (135)
Q3557-02	141-IA-1	1-Bromo-4-Fluorobenzene	10	10.5	105		70 (65)	130 (135)
Q3557-02DL	141-IA-1DL	1-Bromo-4-Fluorobenzene	10	10.2	102		70 (65)	130 (135)
Q3557-03	141-IA2	1-Bromo-4-Fluorobenzene	10	10.4	104		70 (65)	130 (135)
Q3557-04	141-SG-1	1-Bromo-4-Fluorobenzene	10	9.94	99		70 (65)	130 (135)
Q3557-05	141-SG-2	1-Bromo-4-Fluorobenzene	10	10.0	100		70 (65)	130 (135)
Q3557-05DL	141-SG-2DL	1-Bromo-4-Fluorobenzene	10	10.1	101		70 (65)	130 (135)
VL1106ABL01	VL1106ABL01	1-Bromo-4-Fluorobenzene	10	9.77	98		70 (65)	130 (135)
VL1106ABS01	VL1106ABS01	1-Bromo-4-Fluorobenzene	10	10.2	102		70 (65)	130 (135)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3557**	**Analytical Method:**	**SWTO-15**
Client:	**RTP Environmental**	**Datafile :**	VL043157.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL1106ABS01	Dichlorodifluoromethane	10	10.8	ppbv	108			40 (70)	160 (130)	
	Chloromethane	10	9.10	ppbv	91			40 (70)	160 (130)	
	Vinyl Chloride	10	9.10	ppbv	91			70 (70)	130 (130)	
	Bromomethane	10	10.2	ppbv	102			40 (70)	160 (130)	
	Chloroethane	10	9.30	ppbv	93			40 (70)	160 (130)	
	Tetrahydrofuran	10	9.30	ppbv	93			70 (70)	130 (130)	
	Trichlorofluoromethane	10	11.7	ppbv	117			40 (70)	160 (130)	
	1,1,2-Trichlorotrifluoroethane	10	11.2	ppbv	112			70 (70)	130 (130)	
	Dichlorotetrafluoethane	10	10.7	ppbv	107			70 (70)	130 (130)	
	tert-Butyl Alcohol	10	9.90	ppbv	99			70 (70)	130 (130)	
	Heptane	10	8.70	ppbv	87			70 (70)	130 (130)	
	1,1-Dichloroethene	10	11.0	ppbv	110			70 (70)	130 (130)	
	Acetone	10	8.90	ppbv	89			40 (70)	160 (130)	
	Carbon disulfide	10	10.7	ppbv	107			40 (70)	160 (130)	
	Methyl tert-butyl Ether	10	9.80	ppbv	98			70 (70)	130 (130)	
	Methylene Chloride	10	9.10	ppbv	91			70 (70)	130 (130)	
	trans-1,2-Dichloroethene	10	10.7	ppbv	107			70 (70)	130 (130)	
	1,1-Dichloroethane	10	10.5	ppbv	105			70 (70)	130 (130)	
	Cyclohexane	10	9.30	ppbv	93			70 (70)	130 (130)	
	2-Butanone	10	10.4	ppbv	104			40 (70)	160 (130)	
	Carbon Tetrachloride	10	11.8	ppbv	118			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	10	10.5	ppbv	105			70 (70)	130 (130)	
	Chloroform	10	11.0	ppbv	110			70 (70)	130 (130)	
	1,1,1-Trichloroethane	10	10.7	ppbv	107			70 (70)	130 (130)	
	2,2,4-Trimethylpentane	10	9.80	ppbv	98			70 (70)	130 (130)	
	Benzene	10	10.2	ppbv	102			70 (70)	130 (130)	
	1,2-Dichloroethane	10	11.3	ppbv	113			70 (70)	130 (130)	
	Trichloroethene	10	9.60	ppbv	96			70 (70)	130 (130)	
	1,2-Dichloropropane	10	10.0	ppbv	100			70 (70)	130 (130)	
	Bromodichloromethane	10	11.4	ppbv	114			70 (70)	130 (130)	
	4-Methyl-2-Pentanone	10	9.40	ppbv	94			40 (70)	160 (130)	
	Toluene	10	9.70	ppbv	97			70 (70)	130 (130)	
	t-1,3-Dichloropropene	10	10.1	ppbv	101			70 (70)	130 (130)	
	cis-1,3-Dichloropropene	10	10.0	ppbv	100			70 (70)	130 (130)	
	1,1,2-Trichloroethane	10	10.3	ppbv	103			70 (70)	130 (130)	
	Dibromochloromethane	10	11.1	ppbv	111			70 (70)	130 (130)	
	1,2-Dibromoethane	10	10.3	ppbv	103			70 (70)	130 (130)	
	Tetrachloroethene	10	10.3	ppbv	103			70 (70)	130 (130)	
	Chlorobenzene	10	10.2	ppbv	102			70 (70)	130 (130)	
	Ethyl Benzene	10	10.3	ppbv	103			70 (70)	130 (130)	
	m/p-Xylene	20	20.9	ppbv	104			70 (70)	130 (130)	
	o-Xylene	10	10.4	ppbv	104			70 (70)	130 (130)	
	Styrene	10	9.80	ppbv	98			70 (70)	130 (130)	
	Bromoform	10	11.6	ppbv	116			70 (70)	130 (130)	
	1,1,2,2-Tetrachloroethane	10	9.90	ppbv	99			70 (70)	130 (130)	
	2-Chlorotoluene	10	10.4	ppbv	104			70 (70)	130 (130)	
	1,3,5-Trimethylbenzene	10	10.7	ppbv	107			70 (70)	130 (130)	
	1,2,4-Trimethylbenzene	10	10.4	ppbv	104			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3557 **Analytical Method:** SWTO-15

Client: RTP Environmental **Datafile :** VL043157.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL1106ABS01	1,3-Dichlorobenzene	10	10.9	ppbv	109			70 (70)	130 (130)	
	1,4-Dichlorobenzene	10	10.8	ppbv	108			70 (70)	130 (130)	
	1,2-Dichlorobenzene	10	10.7	ppbv	107			70 (70)	130 (130)	
	1,2,4-Trichlorobenzene	10	10.8	ppbv	108			70 (70)	130 (130)	
	Hexachloro-1,3-butadiene	10	10.4	ppbv	104			70 (70)	130 (130)	
	Naphthalene	10	10.1	ppbv	101			40 (70)	160 (130)	
	1,3-Butadiene	10	8.80	ppbv	88			70 (70)	130 (130)	
	4-Ethyltoluene	10	10.7	ppbv	107			70 (70)	130 (130)	
	Hexane	10	9.40	ppbv	94			70 (70)	130 (130)	
	Allyl Chloride	10	9.20	ppbv	92			70 (70)	130 (130)	
	1,4-Dioxane	10	9.40	ppbv	94			40 (70)	160 (130)	
	Methyl methacrylate	10	9.80	ppbv	98			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Duplicate Sample Summary

Lab Sample Id :	Q3555-02DUP		Q3555-02	
Client Id :	151-IA-2DUP		151-IA-2	
DF :	1		1	
Datafile :	VL043159.D		VL043158.D	
Anal Date & Time :	11/06/2025	10:17	11/06/2025	09:42

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0	0	0
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0.22	0.22	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0	0	0
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0	0	0
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0	0	0
2-Butanone	0.27	0.31	13.8
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	6.1	6.3	3.2
Allyl Chloride	0	0	0
Benzene	0.19	0.2	5.1
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.08	0.08	0

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Duplicate Sample Summary

Lab Sample Id :	Q3555-02DUP		Q3555-02	
Client Id :	151-IA-2DUP		151-IA-2	
DF :	1		1	
Datafile :	VL043159.D		VL043158.D	
Anal Date & Time :	11/06/2025	10:17	11/06/2025	09:42

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0.61	0.62	1.6
Chloromethane	0.39	0.43	9.8
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.45	0.51	12.5
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	0.99	1	1
m/p-Xylene	0	0	0
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	0.51	0.59	14.5
Naphthalene	0	0	0
o-Xylene	0	0	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0	0	0
Tetrahydrofuran	0	0	0
Toluene	0.52	0.52	0
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.33	0.31	6.3
Vinyl Chloride	0	0	0

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VOLATILE METHOD BLANK SUMMARY

Client ID: VL1106ABL01

Lab Name: Alliance Contract: RTPE01

Lab Code: ACE SDG NO.: Q3557

Lab File ID: VL043156.D Lab Sample ID: VL1106ABL01

Date Analyzed: 11/06/2025 Time Analyzed: 08:02

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
VL1106ABS01	VL1106ABS01	VL043157.D	11/06/2025
151-IA-2DUP	Q3555-02DUP	VL043159.D	11/06/2025
141-AA-1	Q3557-01	VL043163.D	11/06/2025
141-IA-1	Q3557-02	VL043164.D	11/06/2025
141-IA2	Q3557-03	VL043165.D	11/06/2025
141-SG-2DL	Q3557-05DL	VL043171.D	11/06/2025
141-IA-1DL	Q3557-02DL	VL043172.D	11/06/2025
141-SG-1	Q3557-04	VL043177.D	11/06/2025
141-SG-2	Q3557-05	VL043178.D	11/06/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: RTPE01

Lab Code: ACE | SDG NO.: Q3557

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

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

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.9
75	30.0 - 66.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	61.7
175	4.0 - 9.0% of mass 174	4.8 (7.8) 1
176	93.0 - 101.0% of mass 174	59.6 (96.5) 1
177	5.0 - 9.0% of mass 176	3.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

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

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: RTPE01

Lab Code: ACE | SDG NO.: Q3557

Lab File ID: VL043154.D | BFB Injection Date: 11/06/2025

Instrument ID: MSVOA_L | BFB Injection Time: 06:24

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.9
75	30.0 - 66.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 120.0% of mass 95	62.8
175	4.0 - 9.0% of mass 174	4.9 (7.7) 1
176	93.0 - 101.0% of mass 174	61.8 (98.5) 1
177	5.0 - 9.0% of mass 176	4.3 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL043155.D	11/06/2025	07:19
VL1106ABL01	VL1106ABL01	VL043156.D	11/06/2025	08:02
VL1106ABS01	VL1106ABS01	VL043157.D	11/06/2025	08:45
151-IA-2DUP	Q3555-02DUP	VL043159.D	11/06/2025	10:17
141-AA-1	Q3557-01	VL043163.D	11/06/2025	12:44
141-IA-1	Q3557-02	VL043164.D	11/06/2025	13:17
141-IA2	Q3557-03	VL043165.D	11/06/2025	13:50
141-SG-2DL	Q3557-05DL	VL043171.D	11/06/2025	17:03
141-IA-1DL	Q3557-02DL	VL043172.D	11/06/2025	17:35
141-SG-1	Q3557-04	VL043177.D	11/06/2025	20:35
141-SG-2	Q3557-05	VL043178.D	11/06/2025	21:08

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: RTPE01

Lab Code: ACE SDG NO.: Q3557

Lab File ID: VL043155.D Date Analyzed: 11/06/2025

Instrument ID: MSVOA_L Time Analyzed: 07:19

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	111679	2.79	341877	3.96	299829	8.89
UPPER LIMIT	156351	3.12	478628	4.29	419761	9.22
LOWER LIMIT	67007.4	2.46	205126	3.63	179897	8.56
EPA SAMPLE NO.						
151-IA-2DUP	118024	2.79	354784	3.96	303947	8.88
141-AA-1	114655	2.79	343053	3.96	295343	8.88
141-IA-1	115366	2.79	342427	3.96	290452	8.88
141-IA-1DL	118952	2.79	326674	3.96	276195	8.88
141-IA2	113035	2.79	330913	3.96	283774	8.88
141-SG-1	130758	2.78	364794	3.95	304142	8.87
141-SG-2	131405	2.79	358615	3.96	303524	8.88
141-SG-2DL	111726	2.79	310352	3.96	260144	8.88
VL1106ABL01	111463	2.79	342563	3.96	292913	8.88
VL1106ABS01	111380	2.79	340583	3.96	299526	8.88

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

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-AA-1	SDG No.:	Q3557
Lab Sample ID:	Q3557-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.50	2.47		1	0.54	2.47	11/06/25 12:44	VL110625
74-87-3	Chloromethane	0.47	0.97	J	1	0.21	1.03	11/06/25 12:44	VL110625
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/06/25 12:44	VL110625
74-83-9	Bromomethane	0.080	0.31	U	1	0.31	1.94	11/06/25 12:44	VL110625
75-00-3	Chloroethane	0.15	0.40	U	1	0.40	1.32	11/06/25 12:44	VL110625
109-99-9	Tetrahydrofuran	0.080	0.24	U	1	0.24	1.47	11/06/25 12:44	VL110625
75-69-4	Trichlorofluoromethane	0.26	1.46	J	1	0.96	2.81	11/06/25 12:44	VL110625
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1	1.07	3.83	11/06/25 12:44	VL110625
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1	1.05	3.49	11/06/25 12:44	VL110625
75-65-0	tert-Butyl alcohol	0.16	0.49	U	1	0.49	1.52	11/06/25 12:44	VL110625
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	11/06/25 12:44	VL110625
75-35-4	1,1-Dichloroethene	0.15	0.59	U	1	0.59	1.98	11/06/25 12:44	VL110625
67-64-1	Acetone	2.60	6.18		1	0.43	1.19	11/06/25 12:44	VL110625
75-15-0	Carbon Disulfide	0.080	0.25	U	1	0.25	1.56	11/06/25 12:44	VL110625
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	1	0.83	1.80	11/06/25 12:44	VL110625
75-09-2	Methylene Chloride	0.77	2.68		1	0.80	1.74	11/06/25 12:44	VL110625
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	1	0.48	1.98	11/06/25 12:44	VL110625
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/06/25 12:44	VL110625
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/06/25 12:44	VL110625
78-93-3	2-Butanone	0.22	0.65	J	1	0.18	1.47	11/06/25 12:44	VL110625
56-23-5	Carbon Tetrachloride	0.080	0.50		1	0.19	0.19	11/06/25 12:44	VL110625
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/06/25 12:44	VL110625
67-66-3	Chloroform	0.10	0.49	U	1	0.49	2.44	11/06/25 12:44	VL110625
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/06/25 12:44	VL110625
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	1	0.65	2.34	11/06/25 12:44	VL110625
71-43-2	Benzene	0.11	0.35	J	1	0.26	1.60	11/06/25 12:44	VL110625
107-06-2	1,2-Dichloroethane	0.090	0.36	U	1	0.36	2.02	11/06/25 12:44	VL110625
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/06/25 12:44	VL110625
78-87-5	1,2-Dichloropropane	0.13	0.60	U	1	0.60	2.31	11/06/25 12:44	VL110625
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/06/25 12:44	VL110625
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	1	0.41	2.05	11/06/25 12:44	VL110625
108-88-3	Toluene	0.16	0.60	U	1	0.60	1.88	11/06/25 12:44	VL110625
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	1	0.68	2.27	11/06/25 12:44	VL110625
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	1	0.50	2.27	11/06/25 12:44	VL110625
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	1	0.44	2.73	11/06/25 12:44	VL110625
124-48-1	Dibromochloromethane	0.090	0.77	U	1	0.77	4.26	11/06/25 12:44	VL110625
106-93-4	1,2-Dibromoethane	0.090	0.69	U	1	0.69	0.77	11/06/25 12:44	VL110625
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	11/06/25 12:44	VL110625
108-90-7	Chlorobenzene	0.080	0.37	U	1	0.37	2.30	11/06/25 12:44	VL110625
100-41-4	Ethyl Benzene	0.19	0.83	U	1	0.83	2.17	11/06/25 12:44	VL110625
179601-23-1	m/p-Xylene	0.41	1.78	U	1	1.78	4.34	11/06/25 12:44	VL110625
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17	11/06/25 12:44	VL110625
100-42-5	Styrene	0.16	0.68	U	1	0.68	2.13	11/06/25 12:44	VL110625
75-25-2	Bromoform	0.050	0.52	U	1	0.52	5.17	11/06/25 12:44	VL110625
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	1	0.14	0.21	11/06/25 12:44	VL110625
95-49-8	2-Chlorotoluene	0.17	0.88	U	1	0.88	2.59	11/06/25 12:44	VL110625

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-AA-1	SDG No.:	Q3557
Lab Sample ID:	Q3557-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/06/25 12:44	VL110625
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/06/25 12:44	VL110625
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	1	0.30	3.01		11/06/25 12:44	VL110625
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01		11/06/25 12:44	VL110625
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01		11/06/25 12:44	VL110625
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1	1.56	3.71		11/06/25 12:44	VL110625
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1	1.39	5.33		11/06/25 12:44	VL110625
106-99-0	1,3-Butadiene	0.050	0.11	U	1	0.11	1.11		11/06/25 12:44	VL110625
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52		11/06/25 12:44	VL110625
622-96-8	4-Ethyltoluene	0.21	1.03	U	1	1.03	2.46		11/06/25 12:44	VL110625
110-54-3	Hexane	0.77	2.71		1	0.56	1.76		11/06/25 12:44	VL110625
107-05-1	Allyl Chloride	0.11	0.34	U	1	0.34	1.57		11/06/25 12:44	VL110625
123-91-1	1,4-Dioxane	0.22	0.79	U	1	0.79	1.80		11/06/25 12:44	VL110625
80-62-6	Methyl Methacrylate	0.14	0.57	U	1	0.57	2.05		11/06/25 12:44	VL110625
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	10.2				70 (65) - 130	102%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	115000								
540-36-3	1,4-Difluorobenzene	343000								
3114-55-4	Chlorobenzene-d5	295000								

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\VL110625\
Data File : VL043163.D
Acq On : 06 Nov 2025 12:44
Operator : SY/MD
Sample : Q3557-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Quant Time: Nov 07 00:21:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	114655	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	343053	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	295343	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	233984	10.193	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	8126	0.499	ppbv		98
3) Chlorodifluoromethane	1.476	51	5049m	0.286	ppbv		
4) Chloromethane	1.534	50	3050	0.472	ppbv		91
9) Propene	1.489	41	2649	0.339	ppbv		92
11) Trichlorofluoromethane	1.881	101	4157	0.261	ppbv		95
13) Ethanol	1.722	45	7183	2.483	ppbv	#	38
15) Acetone	1.835	43	40561	2.625	ppbv		99
19) Isopropyl Alcohol	1.887	45	8851	0.920	ppbv	#	1
20) Methylene Chloride	2.062	84	4671	0.765	ppbv		95
26) Hexane	2.826	57	13632	0.772	ppbv	#	42
34) 2-Butanone	2.560	43	5042	0.219	ppbv		99
35) Carbon Tetrachloride	3.758	117	2007m	0.081	ppbv		
36) Benzene	3.651	78	3660m	0.113	ppbv		
53) Toluene	6.936	91	4910m	0.128	ppbv		

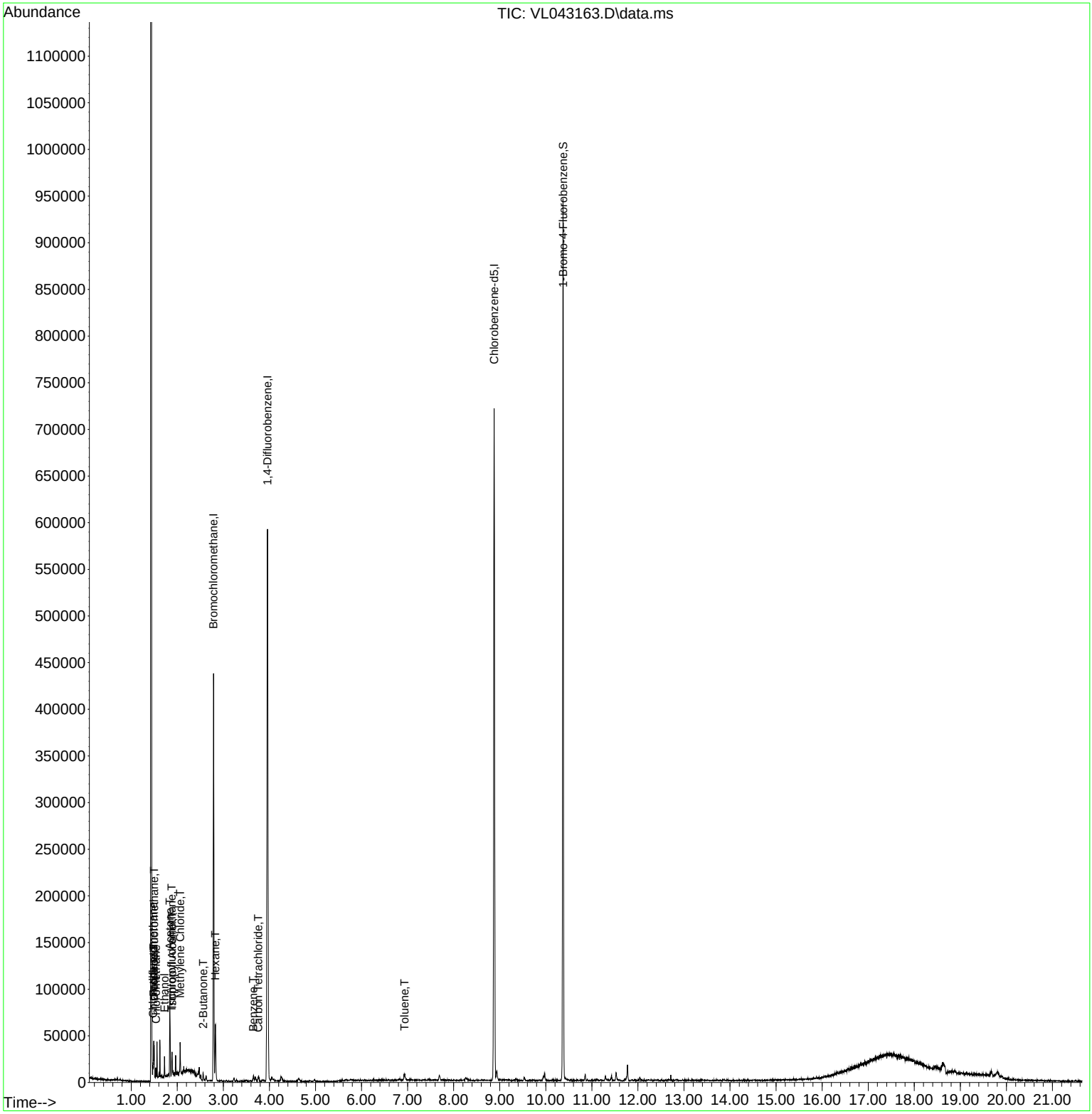
(#) = qualifier out of range (m) = manual integration (+) = signals summed

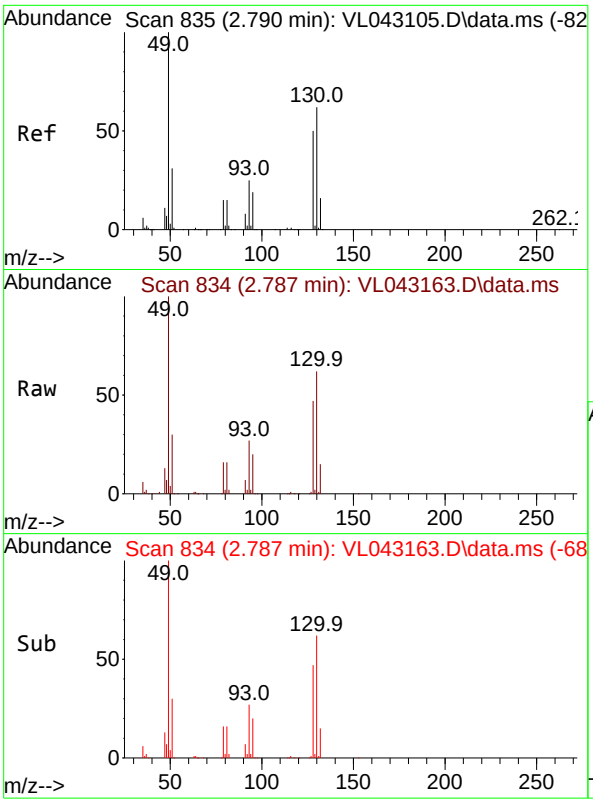
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043163.D
Acq On : 06 Nov 2025 12:44
Operator : SY/MD
Sample : Q3557-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:21:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

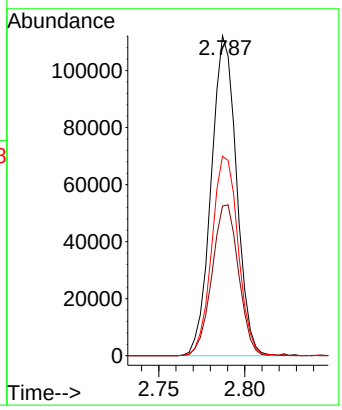




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 49 Resp: 11465

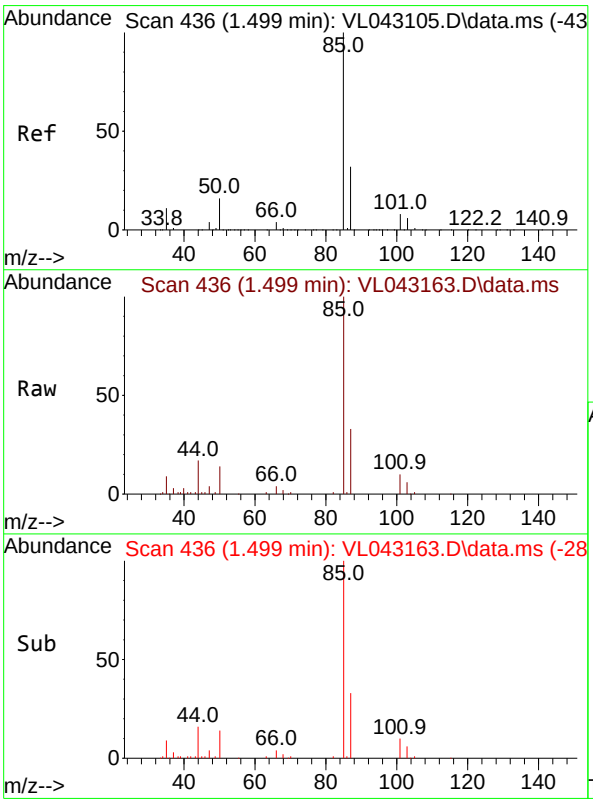
Ion	Ratio	Lower	Upper
49	100		
128	49.6	24.4	73.4
130	64.9	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations
APPROVED

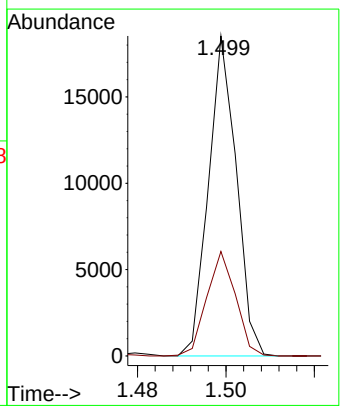
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

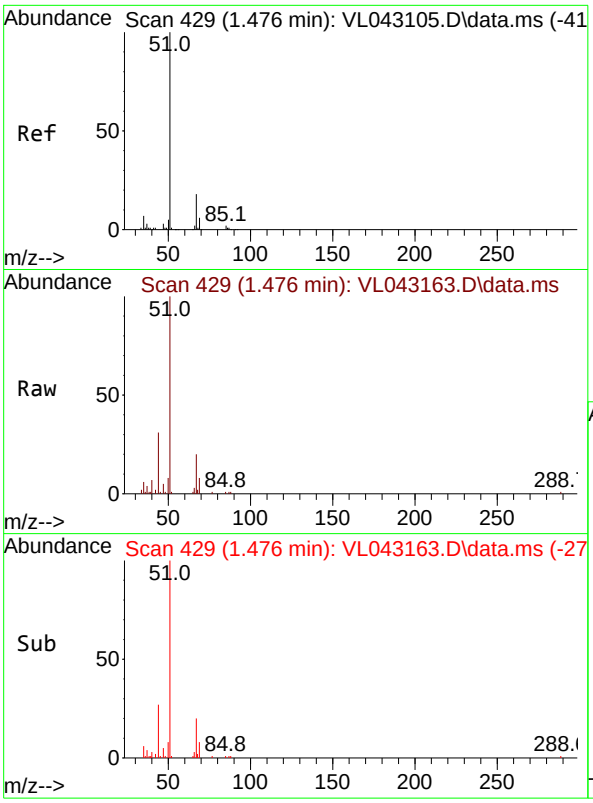


#2
Dichlorodifluoromethane
Concen: 0.499 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 85 Resp: 8126

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.3	37.9

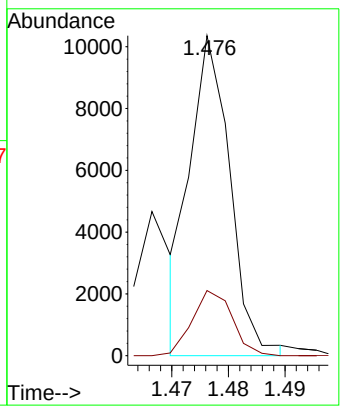




#3
Chlorodifluoromethane
Concen: 0.286 ppbv m
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 51 Resp: 504

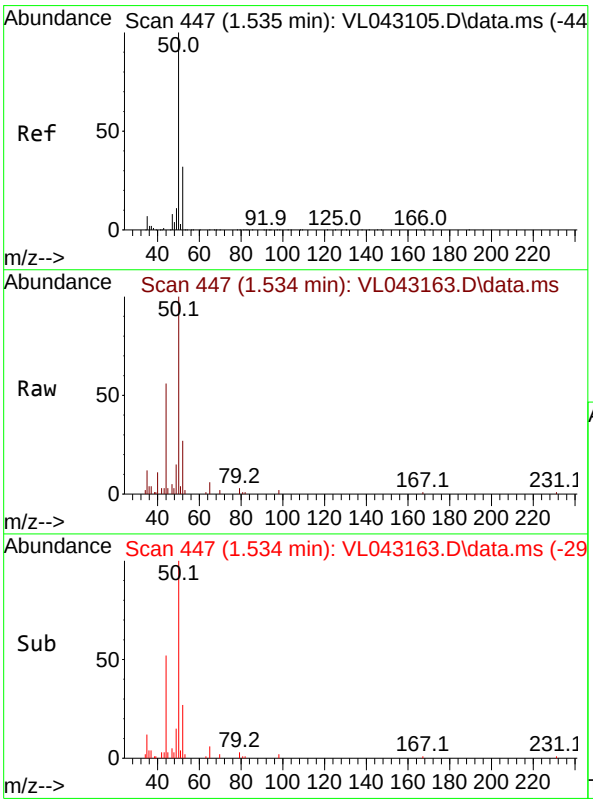
Ion	Ratio	Lower	Upper
51	100		
67	21.0	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations
APPROVED

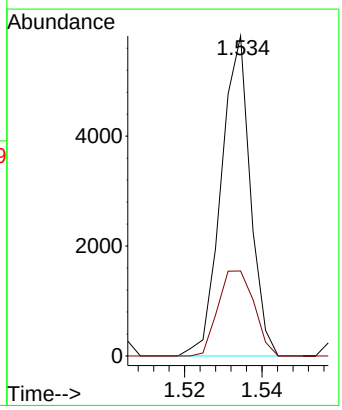
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

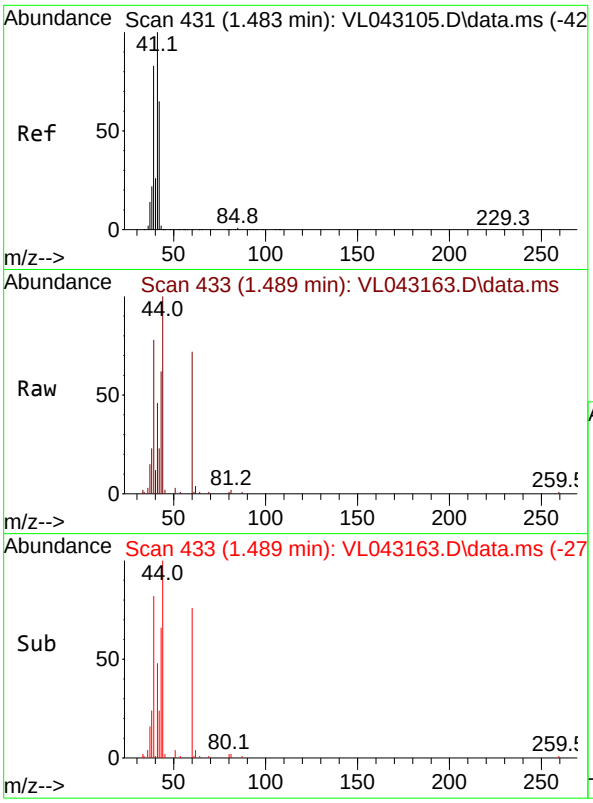


#4
Chloromethane
Concen: 0.472 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 50 Resp: 3050

Ion	Ratio	Lower	Upper
50	100		
52	26.5	25.2	37.8

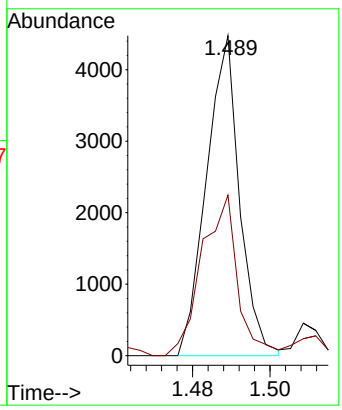




#9
Propene
Concen: 0.339 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 41 Resp: 264

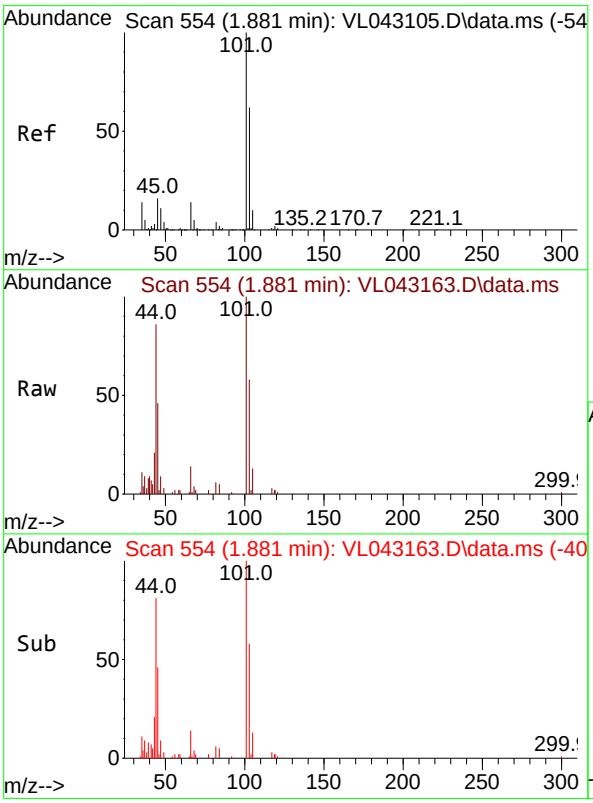
Ion	Ratio	Lower	Upper
41	100		
42	62.0	55.1	82.7



Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations
APPROVED

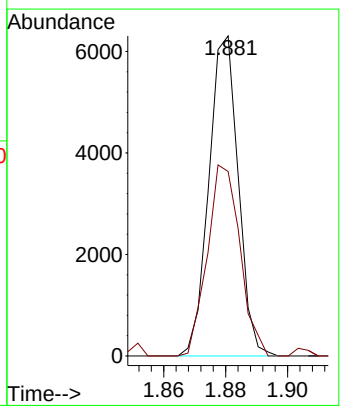
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

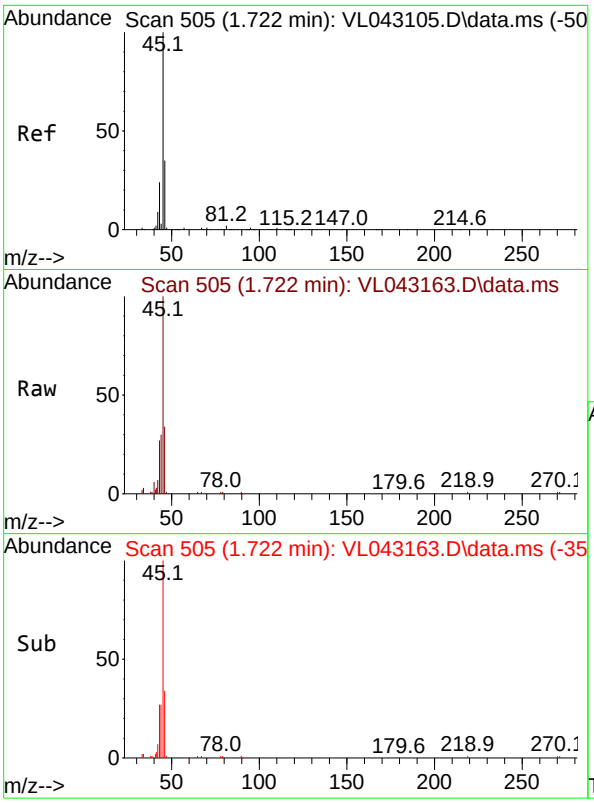


#11
Trichlorofluoromethane
Concen: 0.261 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion:101 Resp: 4157

Ion	Ratio	Lower	Upper
101	100		
103	57.6	49.3	73.9

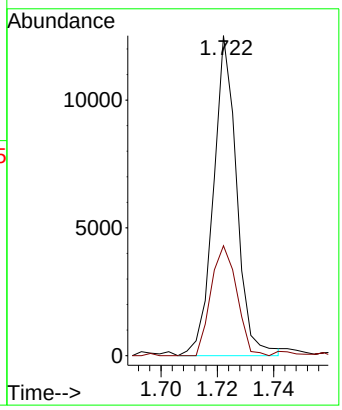




#13
Ethanol
Concen: 2.483 ppbv
RT: 1.722 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 45 Resp: 718

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.7	58.9#



Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations
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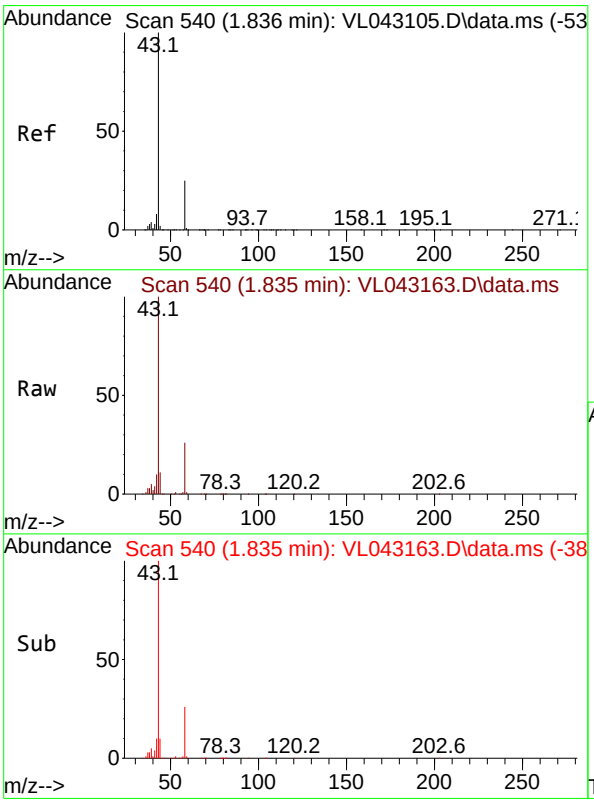
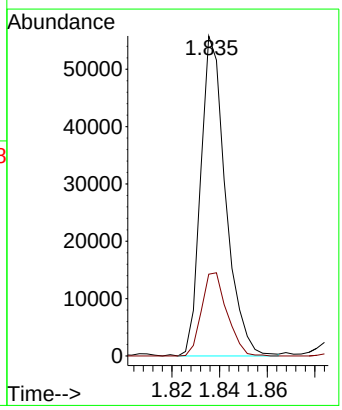
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

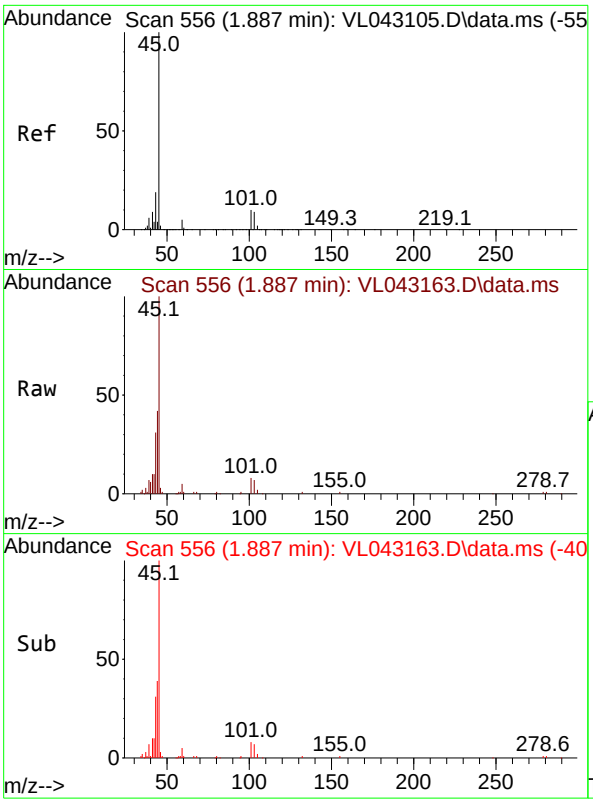


#15
Acetone
Concen: 2.625 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 43 Resp: 40561

Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.8	31.2

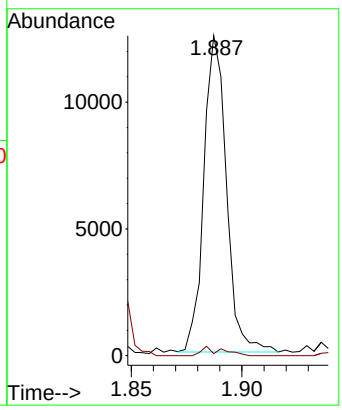




#19
Isopropyl Alcohol
Concen: 0.920 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 45 Resp: 885

Ion	Ratio	Lower	Upper
45	100		
58	121.8	31.3	46.9#



Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations
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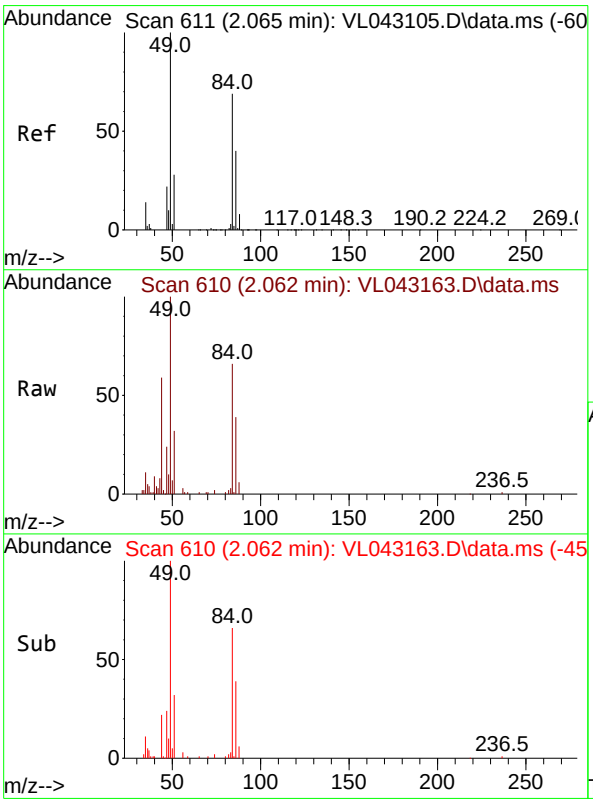
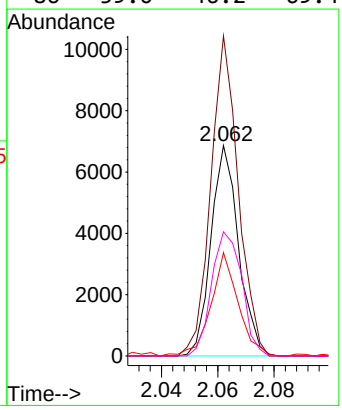
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

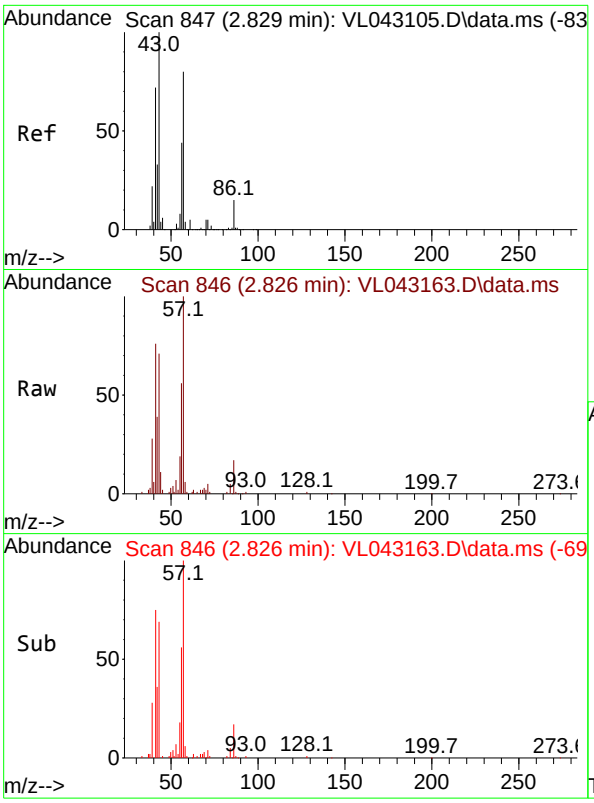


#20
Methylene Chloride
Concen: 0.765 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 84 Resp: 4671

Ion	Ratio	Lower	Upper
84	100		
49	152.1	116.6	175.0
51	49.1	34.8	52.2
86	59.0	46.2	69.4

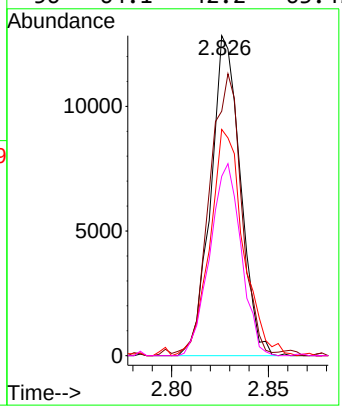




#26
Hexane
Concen: 0.772 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 57 Resp: 1363

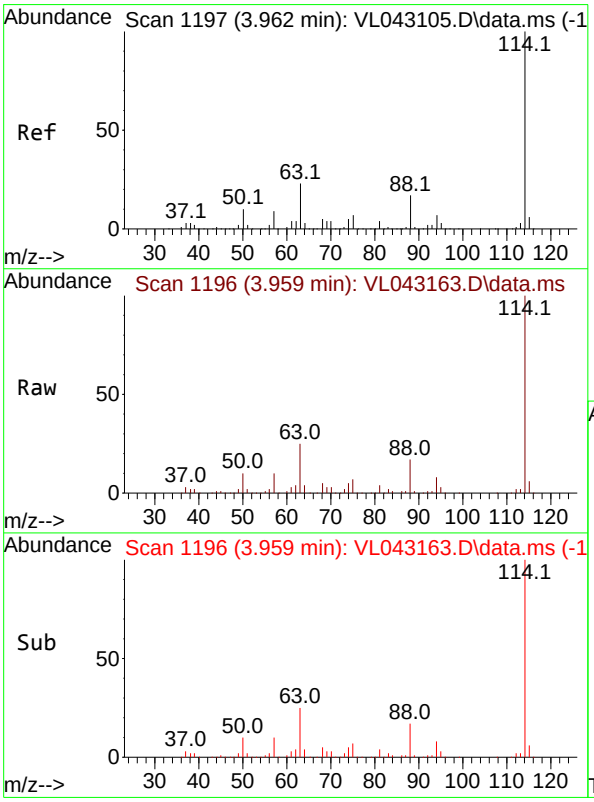
Ion	Ratio	Lower	Upper
57	100		
41	98.1	71.4	107.0
43	80.4	178.5	267.7#
56	64.1	42.2	63.4#



Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations
APPROVED

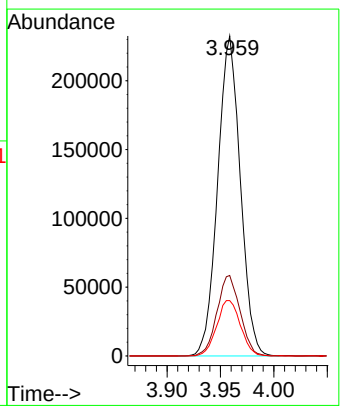
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

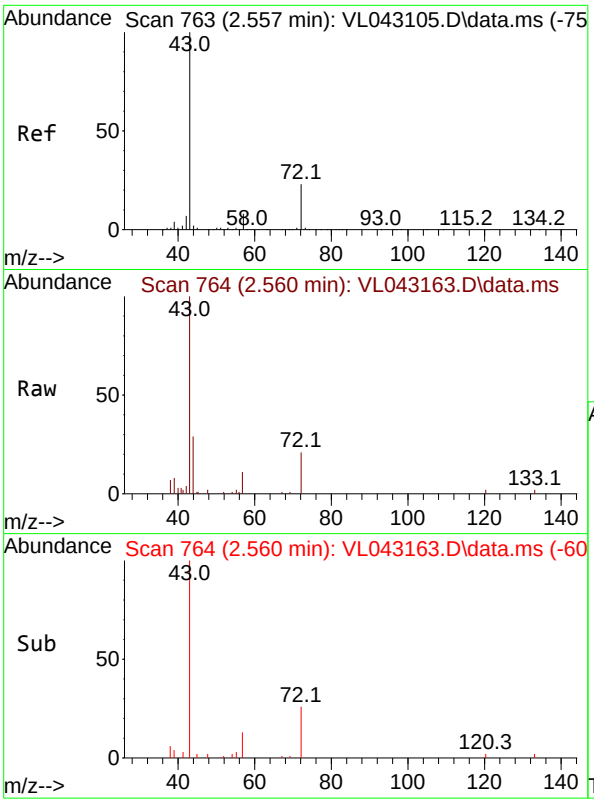


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion:114 Resp: 343053

Ion	Ratio	Lower	Upper
114	100		
63	25.6	19.3	28.9
88	18.1	13.9	20.9

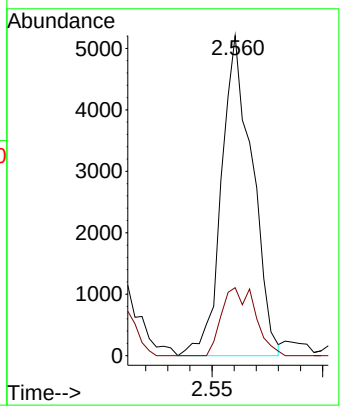




#34
2-Butanone
Concen: 0.219 ppbv
RT: 2.560 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 43 Resp: 504

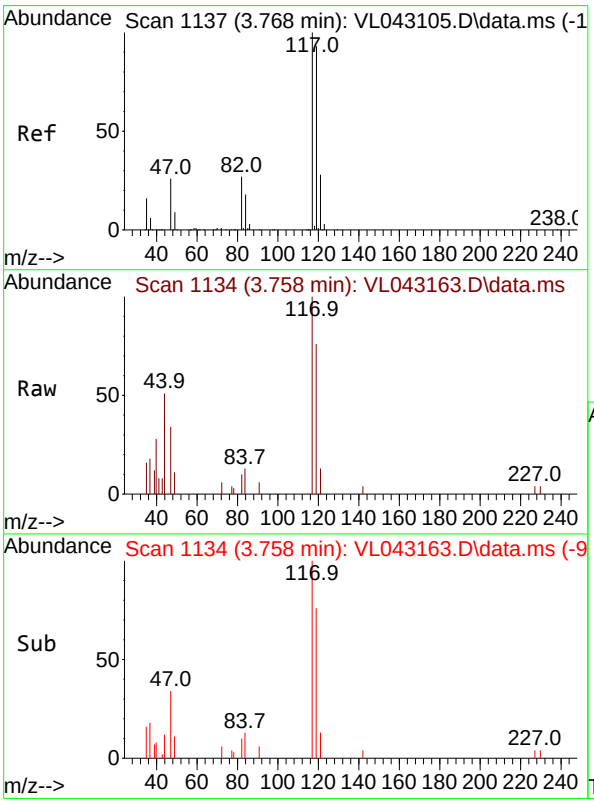
Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6



Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations
APPROVED

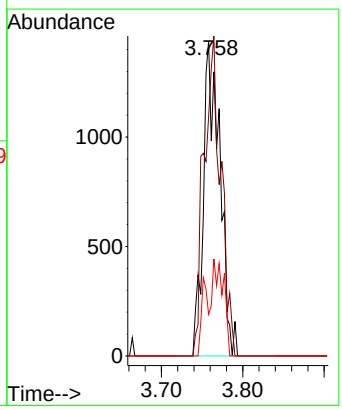
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

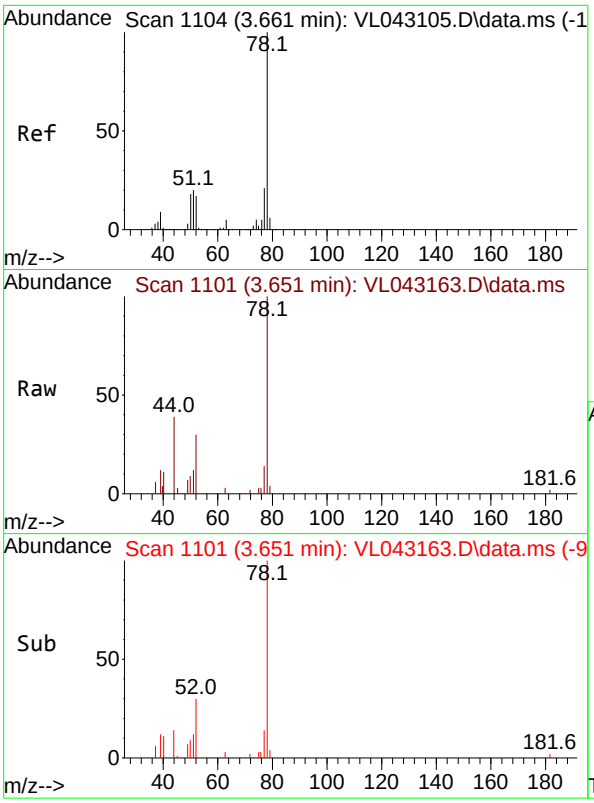


#35
Carbon Tetrachloride
Concen: 0.081 ppbv m
RT: 3.758 min Scan# 1134
Delta R.T. -0.010 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion:117 Resp: 2007

Ion	Ratio	Lower	Upper
117	100		
119	75.9	74.1	111.1
121	13.2	22.2	33.2#

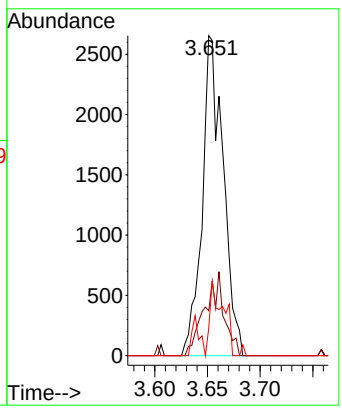




#36
Benzene
Concen: 0.113 ppbv m
RT: 3.651 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 78 Resp: 366

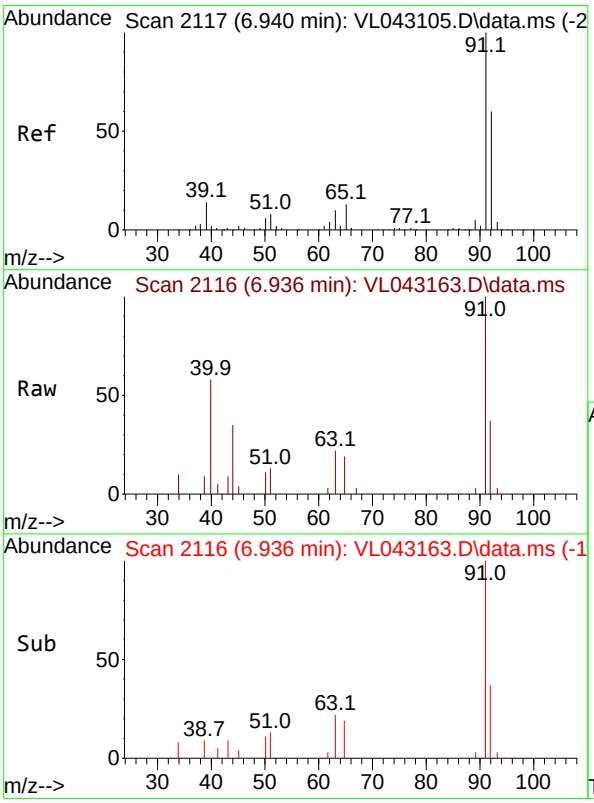
Ion	Ratio	Lower	Upper
78	100		
77	14.0	17.0	25.6#
50	8.6	14.6	22.0#



Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations
APPROVED

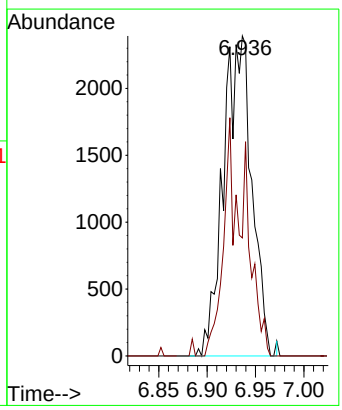
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

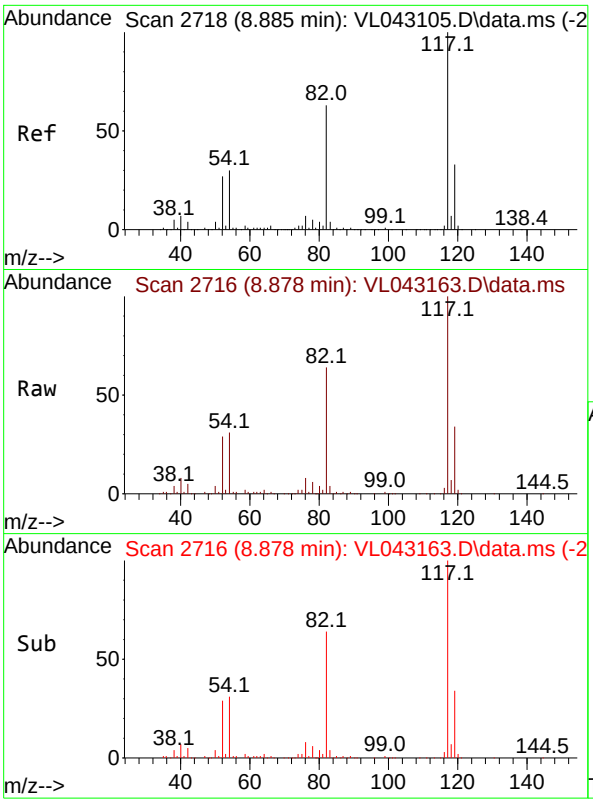


#53
Toluene
Concen: 0.128 ppbv m
RT: 6.936 min Scan# 2116
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 91 Resp: 4910

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.8	73.2#

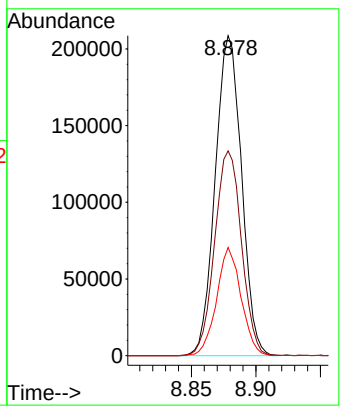




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion:117 Resp: 29534

Ion	Ratio	Lower	Upper
117	100		
82	65.3	53.8	80.8
119	31.7	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/07/2025
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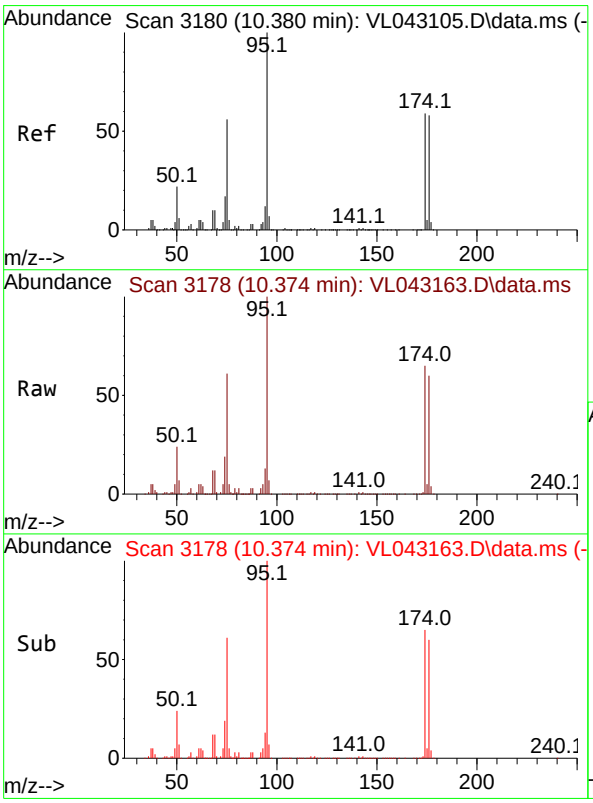
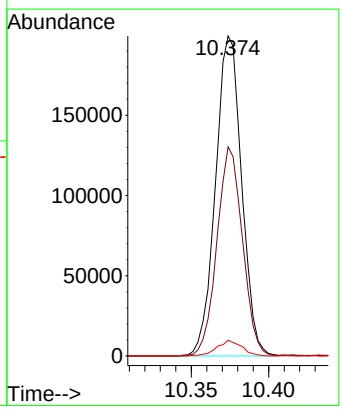


#68
1-Bromo-4-Fluorobenzene
Concen: 10.193 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 95 Resp: 233984

Ion	Ratio	Lower	Upper
95	100		
174	64.1	48.3	72.5
175	4.6	3.8	5.8



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-IA-1	SDG No.:	Q3557
Lab Sample ID:	Q3557-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.50	7.42		1	0.54	2.47	11/06/25 13:17	VL110625
74-87-3	Chloromethane	0.45	0.93	J	1	0.21	1.03	11/06/25 13:17	VL110625
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/06/25 13:17	VL110625
74-83-9	Bromomethane	0.080	0.31	U	1	0.31	1.94	11/06/25 13:17	VL110625
75-00-3	Chloroethane	0.15	0.40	U	1	0.40	1.32	11/06/25 13:17	VL110625
109-99-9	Tetrahydrofuran	0.080	0.24	U	1	0.24	1.47	11/06/25 13:17	VL110625
75-69-4	Trichlorofluoromethane	0.33	1.85	J	1	0.96	2.81	11/06/25 13:17	VL110625
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1	1.07	3.83	11/06/25 13:17	VL110625
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1	1.05	3.49	11/06/25 13:17	VL110625
75-65-0	tert-Butyl alcohol	0.16	0.49	U	1	0.49	1.52	11/06/25 13:17	VL110625
142-82-5	Heptane	0.19	0.78	J	1	0.70	2.05	11/06/25 13:17	VL110625
75-35-4	1,1-Dichloroethene	0.15	0.59	U	1	0.59	1.98	11/06/25 13:17	VL110625
67-64-1	Acetone	8.90	21.1		1	0.43	1.19	11/06/25 13:17	VL110625
75-15-0	Carbon Disulfide	0.080	0.25	U	1	0.25	1.56	11/06/25 13:17	VL110625
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	1	0.83	1.80	11/06/25 13:17	VL110625
75-09-2	Methylene Chloride	15.8	54.9	E	1	0.80	1.74	11/06/25 13:17	VL110625
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	1	0.48	1.98	11/06/25 13:17	VL110625
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/06/25 13:17	VL110625
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/06/25 13:17	VL110625
78-93-3	2-Butanone	1.50	4.42		1	0.18	1.47	11/06/25 13:17	VL110625
56-23-5	Carbon Tetrachloride	0.080	0.50		1	0.19	0.19	11/06/25 13:17	VL110625
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/06/25 13:17	VL110625
67-66-3	Chloroform	0.10	0.49	U	1	0.49	2.44	11/06/25 13:17	VL110625
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/06/25 13:17	VL110625
540-84-1	2,2,4-Trimethylpentane	0.33	1.54	J	1	0.65	2.34	11/06/25 13:17	VL110625
71-43-2	Benzene	0.38	1.21	J	1	0.26	1.60	11/06/25 13:17	VL110625
107-06-2	1,2-Dichloroethane	0.090	0.36	U	1	0.36	2.02	11/06/25 13:17	VL110625
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/06/25 13:17	VL110625
78-87-5	1,2-Dichloropropane	0.13	0.60	U	1	0.60	2.31	11/06/25 13:17	VL110625
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/06/25 13:17	VL110625
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	1	0.41	2.05	11/06/25 13:17	VL110625
108-88-3	Toluene	0.59	2.22		1	0.60	1.88	11/06/25 13:17	VL110625
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	1	0.68	2.27	11/06/25 13:17	VL110625
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	1	0.50	2.27	11/06/25 13:17	VL110625
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	1	0.44	2.73	11/06/25 13:17	VL110625
124-48-1	Dibromochloromethane	0.090	0.77	U	1	0.77	4.26	11/06/25 13:17	VL110625
106-93-4	1,2-Dibromoethane	0.090	0.69	U	1	0.69	0.77	11/06/25 13:17	VL110625
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	11/06/25 13:17	VL110625
108-90-7	Chlorobenzene	0.080	0.37	U	1	0.37	2.30	11/06/25 13:17	VL110625
100-41-4	Ethyl Benzene	0.19	0.83	U	1	0.83	2.17	11/06/25 13:17	VL110625
179601-23-1	m/p-Xylene	0.41	1.78	U	1	1.78	4.34	11/06/25 13:17	VL110625
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17	11/06/25 13:17	VL110625
100-42-5	Styrene	0.16	0.68	U	1	0.68	2.13	11/06/25 13:17	VL110625
75-25-2	Bromoform	0.050	0.52	U	1	0.52	5.17	11/06/25 13:17	VL110625
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	1	0.14	0.21	11/06/25 13:17	VL110625
95-49-8	2-Chlorotoluene	0.17	0.88	U	1	0.88	2.59	11/06/25 13:17	VL110625

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-IA-1	SDG No.:	Q3557
Lab Sample ID:	Q3557-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/06/25 13:17	VL110625
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/06/25 13:17	VL110625
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	1	0.30	3.01		11/06/25 13:17	VL110625
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01		11/06/25 13:17	VL110625
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01		11/06/25 13:17	VL110625
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1	1.56	3.71		11/06/25 13:17	VL110625
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1	1.39	5.33		11/06/25 13:17	VL110625
106-99-0	1,3-Butadiene	0.050	0.11	U	1	0.11	1.11		11/06/25 13:17	VL110625
91-20-3	Naphthalene	0.13	0.68		1	0.050	0.52		11/06/25 13:17	VL110625
622-96-8	4-Ethyltoluene	0.21	1.03	U	1	1.03	2.46		11/06/25 13:17	VL110625
110-54-3	Hexane	6.90	24.3		1	0.56	1.76		11/06/25 13:17	VL110625
107-05-1	Allyl Chloride	0.11	0.34	U	1	0.34	1.57		11/06/25 13:17	VL110625
123-91-1	1,4-Dioxane	0.22	0.79	U	1	0.79	1.80		11/06/25 13:17	VL110625
80-62-6	Methyl Methacrylate	0.14	0.57	U	1	0.57	2.05		11/06/25 13:17	VL110625
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	10.5				70 (65) - 130	105%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	115000								
540-36-3	1,4-Difluorobenzene	342000								
3114-55-4	Chlorobenzene-d5	290000								

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\VL110625\
Data File : VL043164.D
Acq On : 06 Nov 2025 13:17
Operator : SY/MD
Sample : Q3557-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:21:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	115366	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	342427	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	290452	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	237353	10.513	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	24649	1.503	ppbv		96
3) Chlorodifluoromethane	1.476	51	4525m	0.255	ppbv		
4) Chloromethane	1.534	50	2908	0.448	ppbv		96
9) Propene	1.489	41	18904m	2.402	ppbv		
10) Heptane	4.985	43	4298m	0.190	ppbv		
11) Trichlorofluoromethane	1.884	101	5366	0.334	ppbv		94
13) Ethanol	1.722	45	76195	26.173	ppbv		100
15) Acetone	1.839	43	138148	8.884	ppbv		92
19) Isopropyl Alcohol	1.887	45	9578	0.989	ppbv	#	1
20) Methylene Chloride	2.065	84	97396	15.846	ppbv		93
26) Hexane	2.832	57	122149	6.875	ppbv	#	42
30) Cyclohexane	3.865	84	3316	0.214	ppbv	#	79
34) 2-Butanone	2.560	43	34716	1.508	ppbv		99
35) Carbon Tetrachloride	3.768	117	1853m	0.075	ppbv		
36) Benzene	3.661	78	12305	0.382	ppbv		98
44) 2,2,4-Trimethylpentane	4.641	57	17870	0.328	ppbv	#	78
51) 2-Hexanone	7.441	43	11366m	0.477	ppbv		
53) Toluene	6.936	91	22705	0.593	ppbv		97
58) Ethyl Benzene	9.360	91	5488m	0.110	ppbv		
59) m/p-Xylene	9.535	91	15295	0.385	ppbv		99
60) o-Xylene	9.969	91	5758	0.147	ppbv		94
74) 1,2,4-Trimethylbenzene	11.539	105	5751	0.129	ppbv	#	55
79) Naphthalene	13.516	128	6216m	0.133	ppbv		

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043164.D
Acq On : 06 Nov 2025 13:17
Operator : SY/MD
Sample : Q3557-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:21:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations APPROVED
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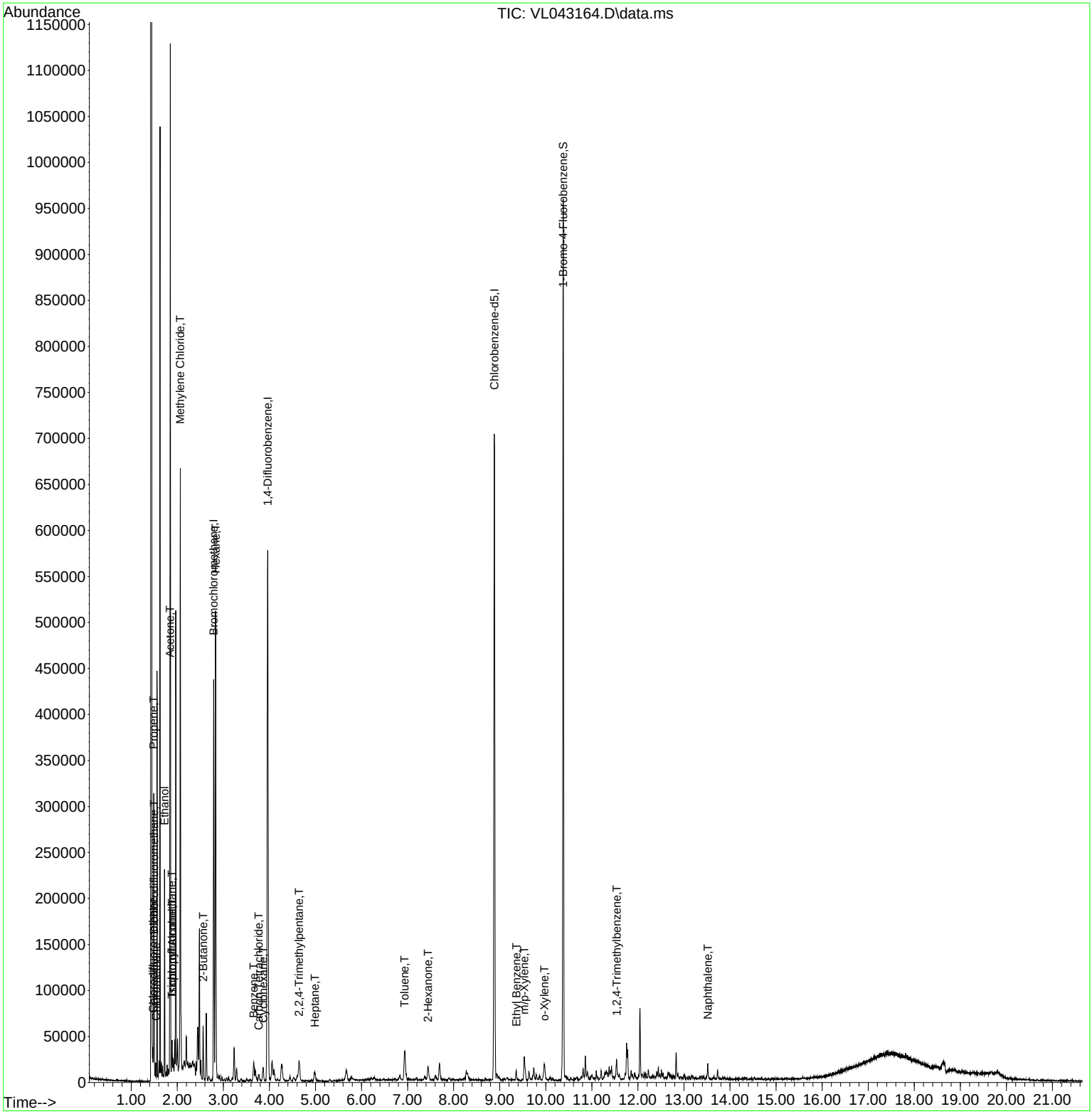
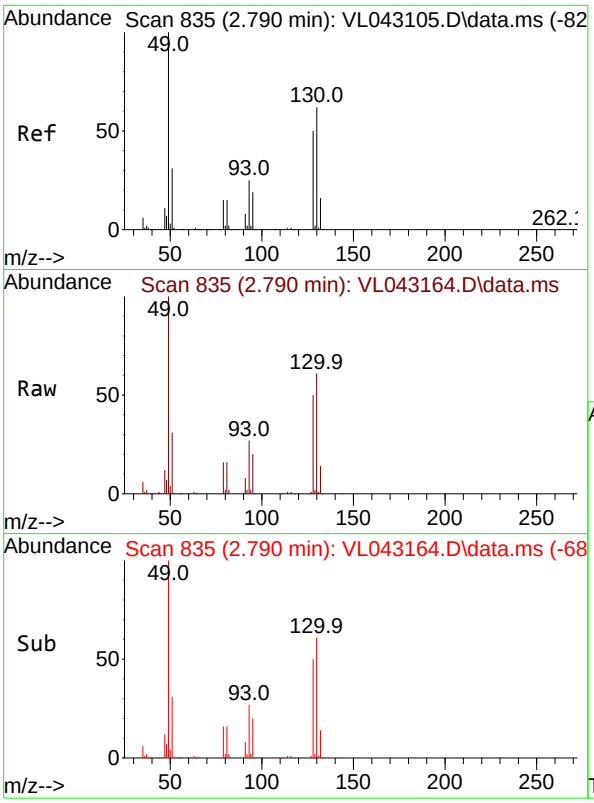
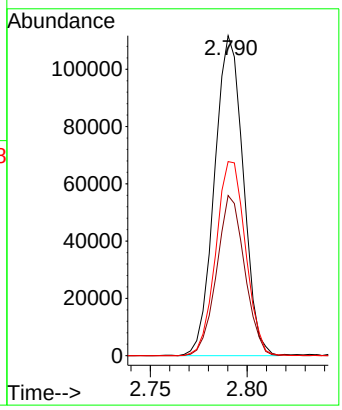




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 49 Resp: 11536

Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.4	73.4
130	62.7	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations
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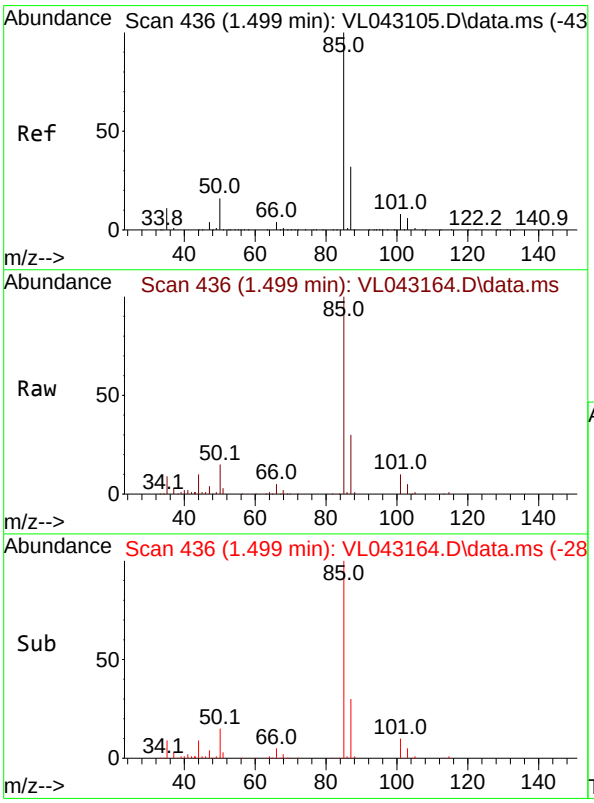
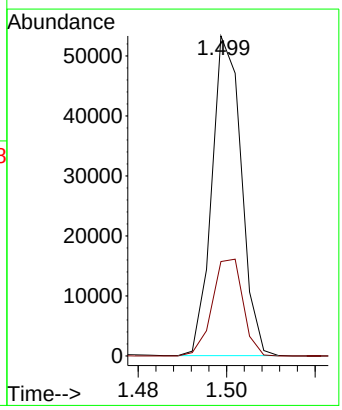
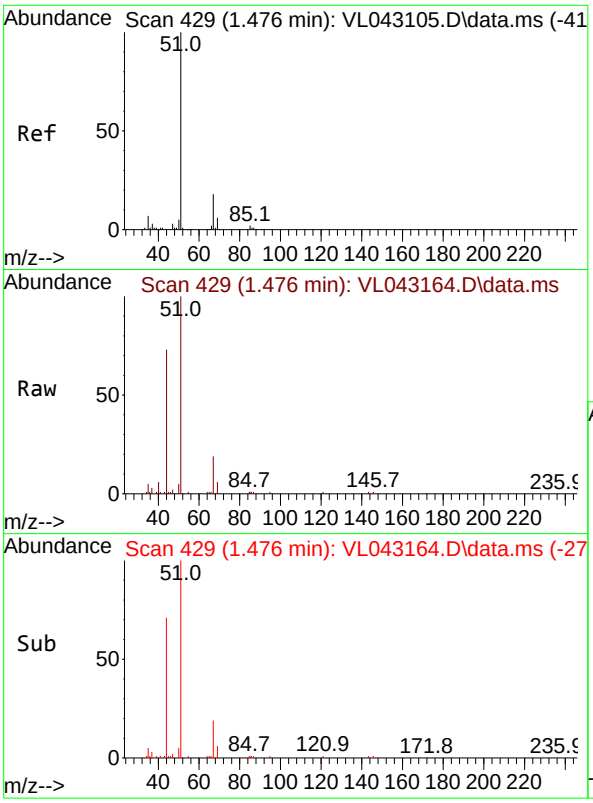


#2
Dichlorodifluoromethane
Concen: 1.503 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 85 Resp: 24649

Ion	Ratio	Lower	Upper
85	100		
87	29.5	25.3	37.9

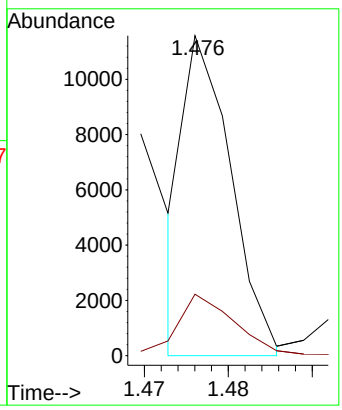




#3
Chlorodifluoromethane
Concen: 0.255 ppbv m
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 51 Resp: 452

Ion	Ratio	Lower	Upper
51	100		
67	24.2	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations
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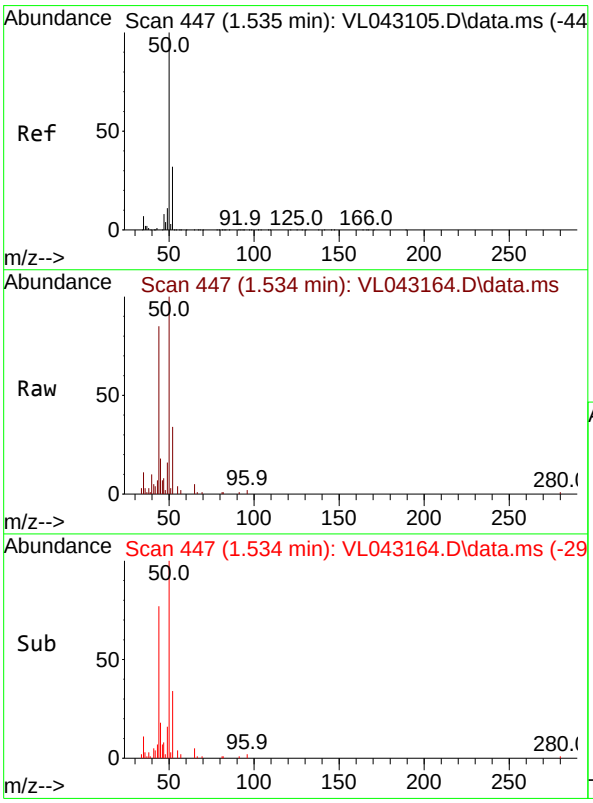
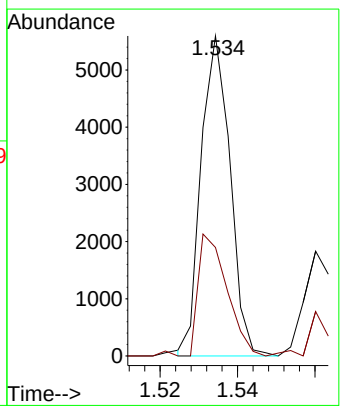
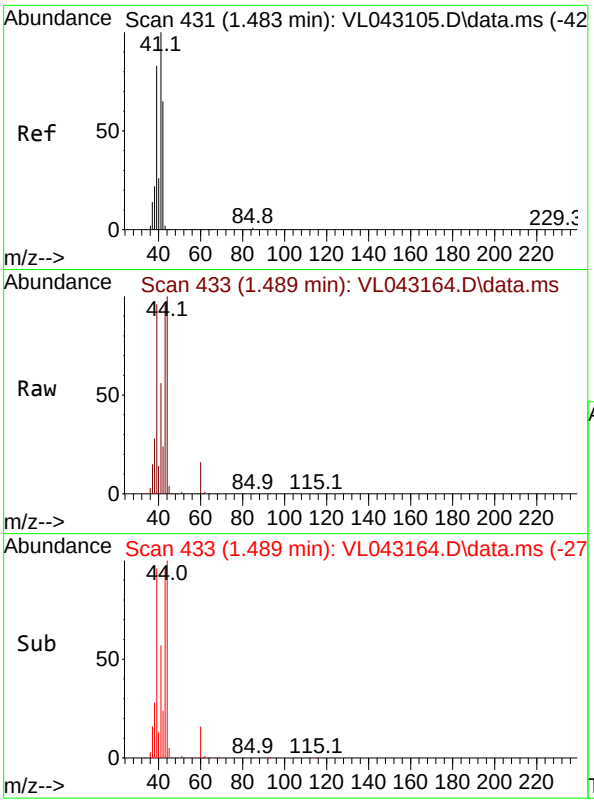


#4
Chloromethane
Concen: 0.448 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 50 Resp: 2908

Ion	Ratio	Lower	Upper
50	100		
52	33.9	25.2	37.8

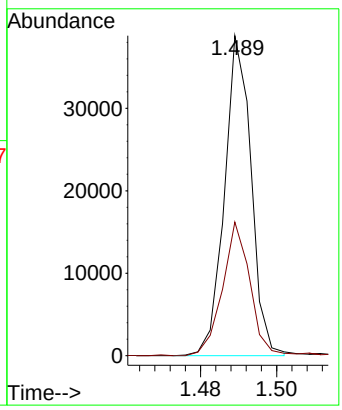




#9
Propene
Concen: 2.402 ppbv m
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 41 Resp: 1890

Ion	Ratio	Lower	Upper
41	100		
42	168.0	55.1	82.7#



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations
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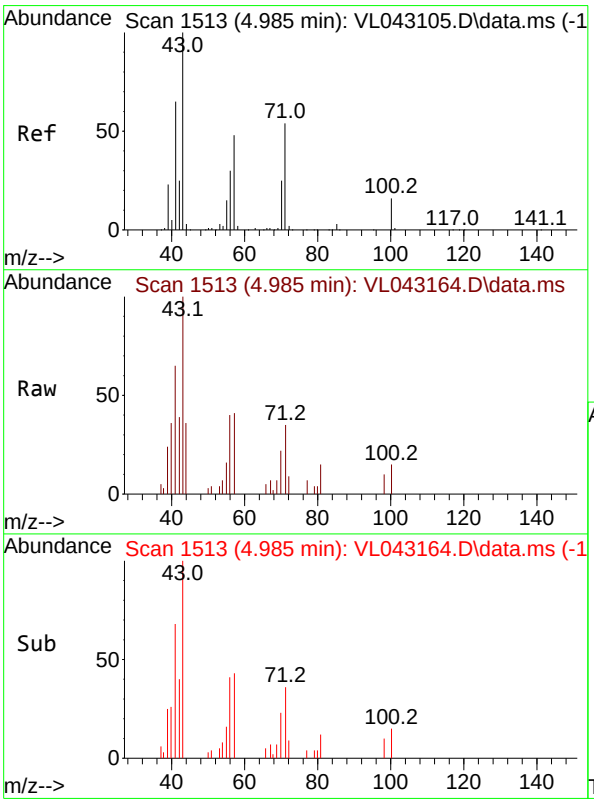
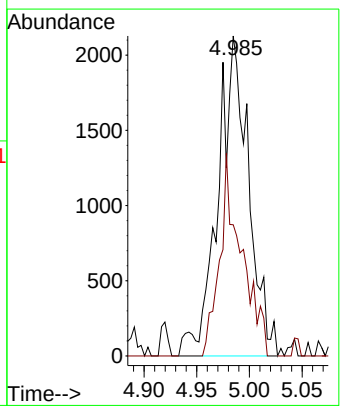
Supervised By :Mahesh Dadoda 11/10/2025

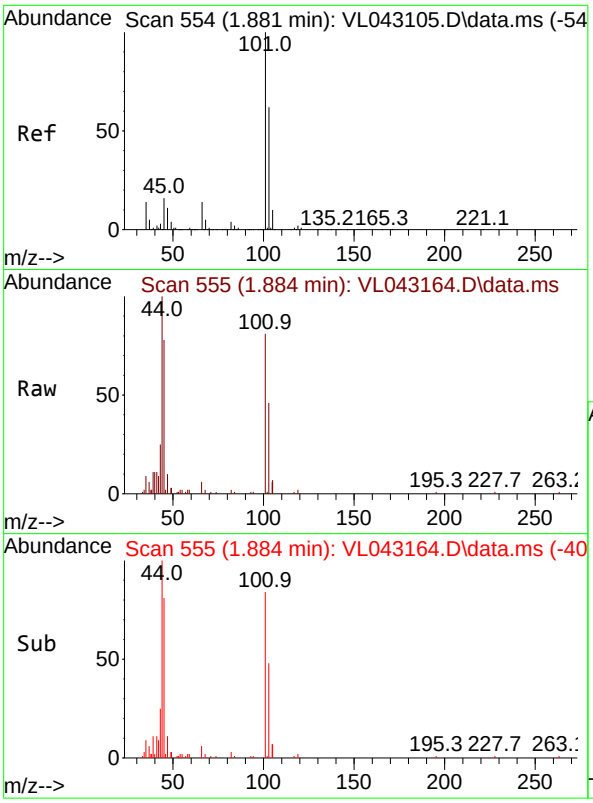


#10
Heptane
Concen: 0.190 ppbv m
RT: 4.985 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 43 Resp: 4298

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.8	61.2#

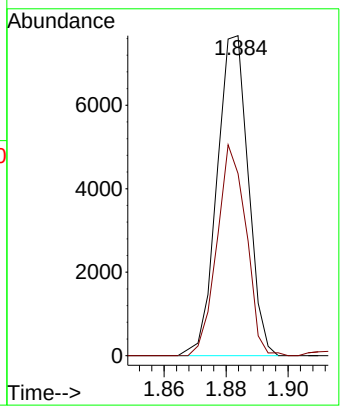




#11
Trichlorofluoromethane
Concen: 0.334 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion:101 Resp: 536

Ion	Ratio	Lower	Upper
101	100		
103	56.9	49.3	73.9



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations
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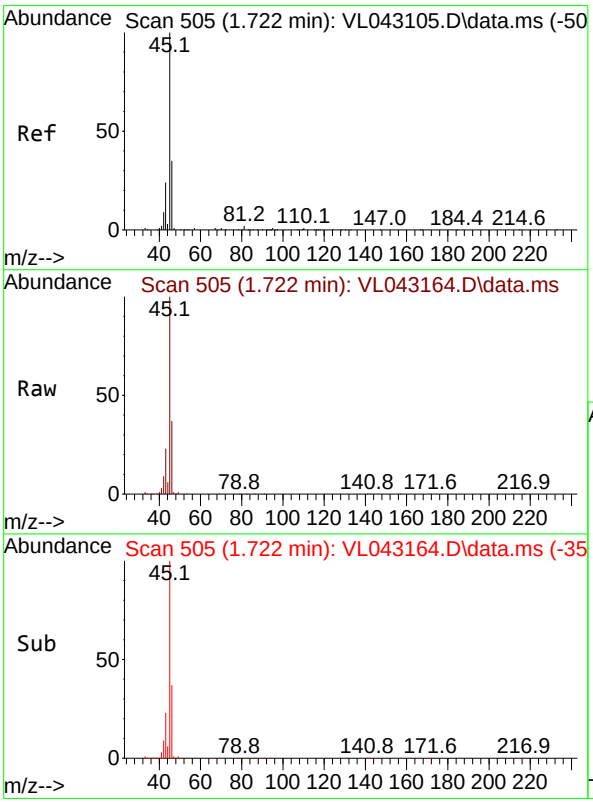
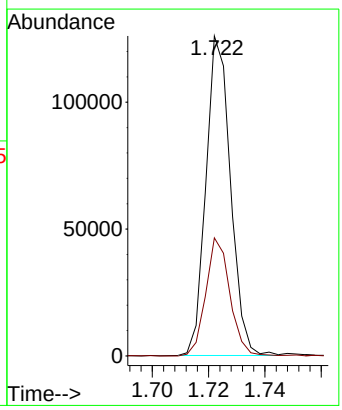
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

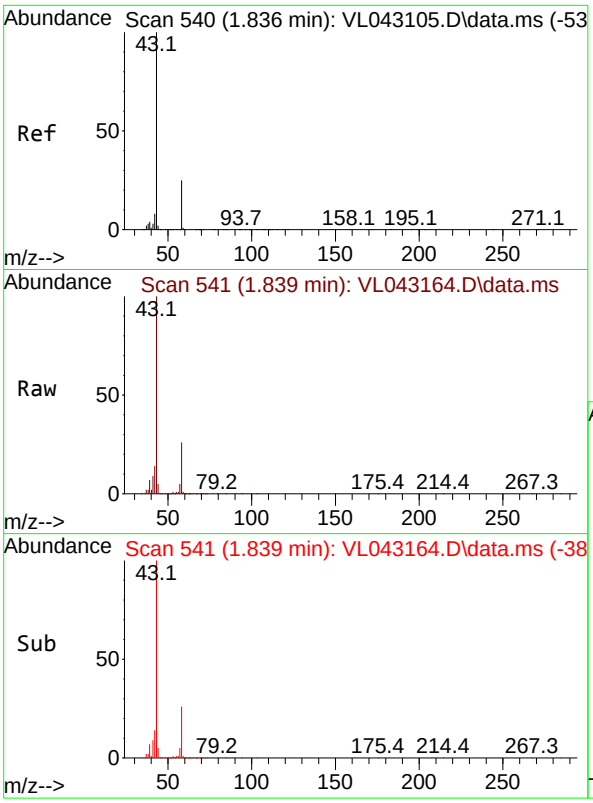


#13
Ethanol
Concen: 26.173 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 45 Resp: 76195

Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.7	58.9

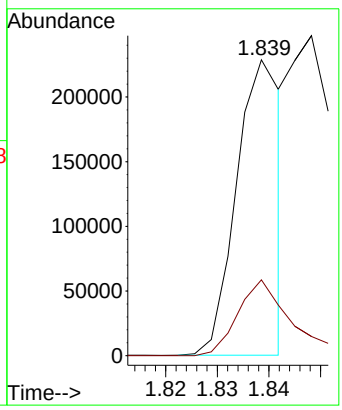




#15
Acetone
Concen: 8.884 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 43 Resp: 13814

Ion	Ratio	Lower	Upper
43	100		
58	30.2	20.8	31.2



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations
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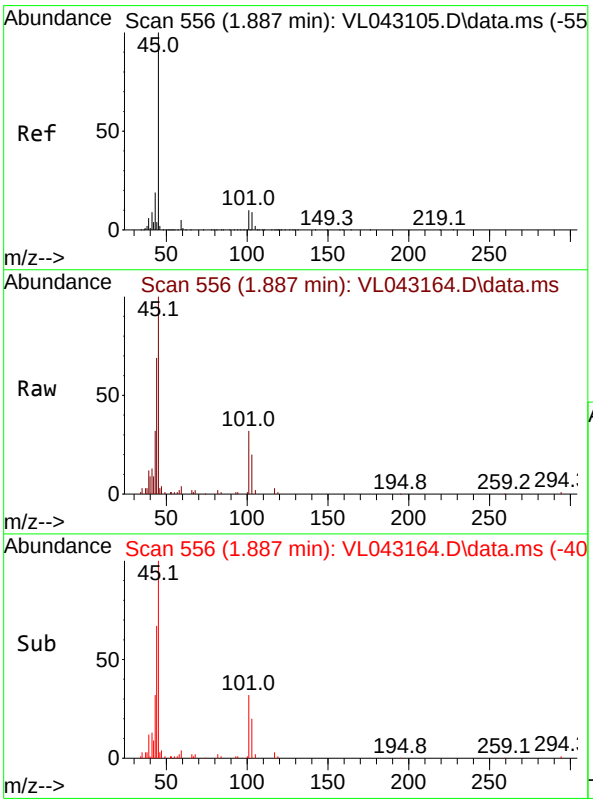
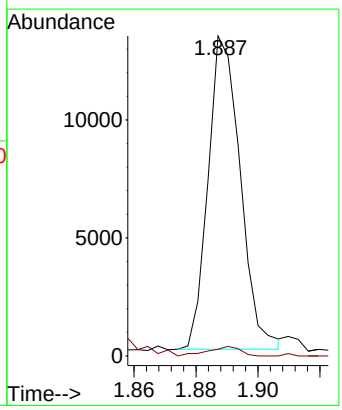
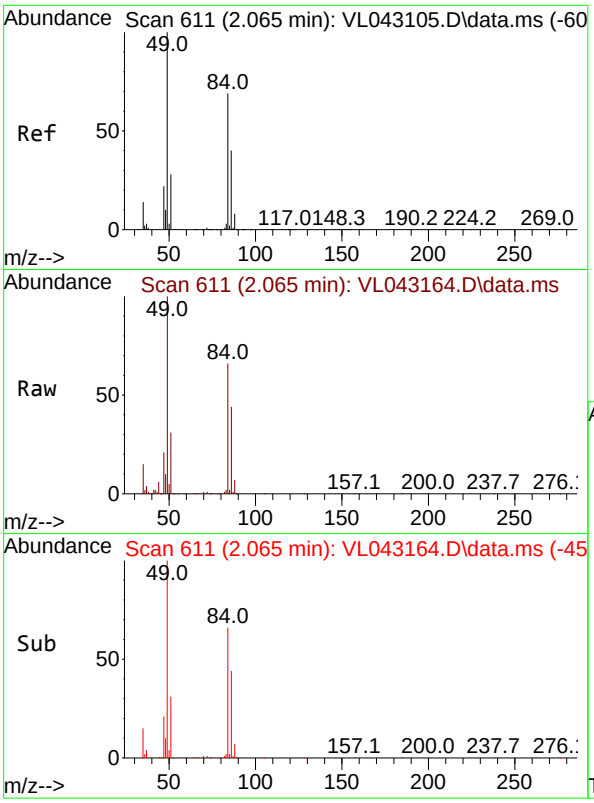


#19
Isopropyl Alcohol
Concen: 0.989 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 45 Resp: 9578

Ion	Ratio	Lower	Upper
45	100		
58	434.7	31.3	46.9#

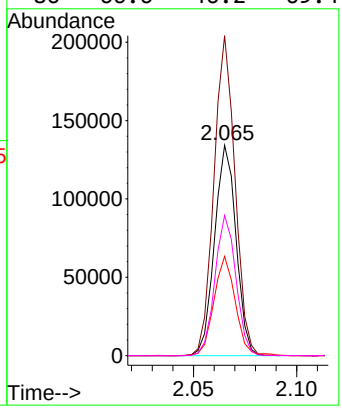




#20
Methylene Chloride
Concen: 15.846 ppbv
RT: 2.065 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 84 Resp: 9739

Ion	Ratio	Lower	Upper
84	100		
49	152.0	116.6	175.0
51	47.2	34.8	52.2
86	66.6	46.2	69.4



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

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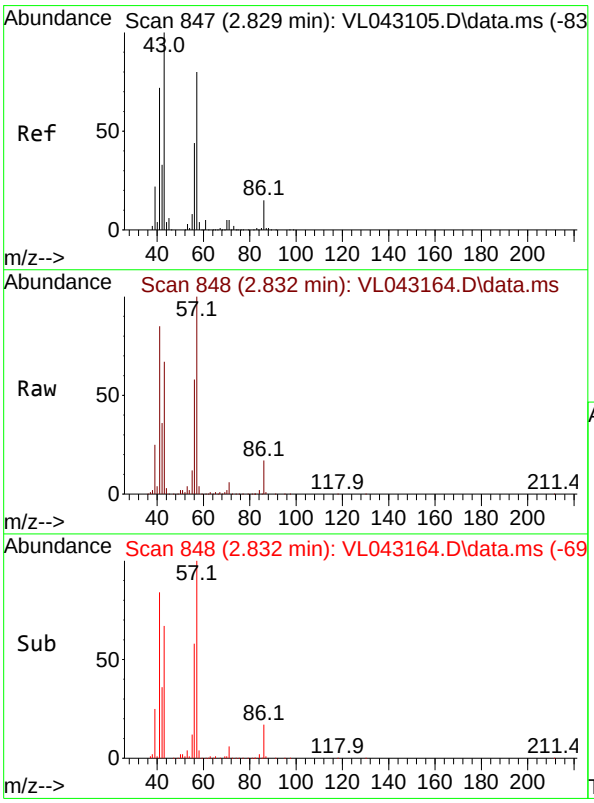
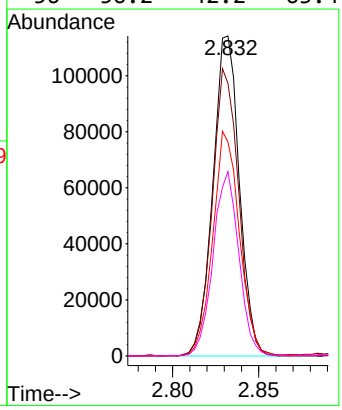
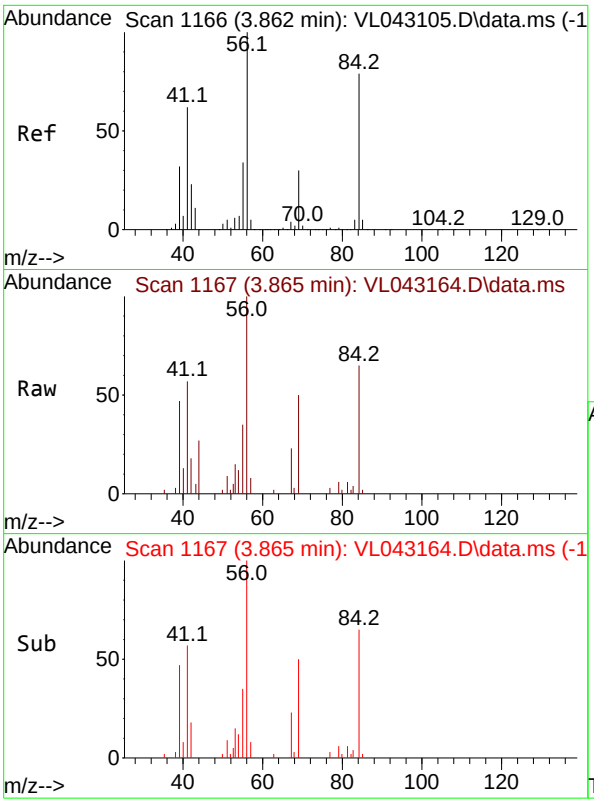


#26
Hexane
Concen: 6.875 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 57 Resp: 122149

Ion	Ratio	Lower	Upper
57	100		
41	90.6	71.4	107.0
43	71.8	178.5	267.7#
56	56.2	42.2	63.4

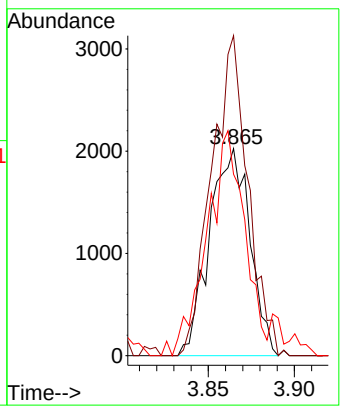




#30
Cyclohexane
Concen: 0.214 ppbv
RT: 3.865 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 84 Resp: 331

Ion	Ratio	Lower	Upper
84	100		
56	140.3	100.9	151.3
41	109.4	63.8	95.6#



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations
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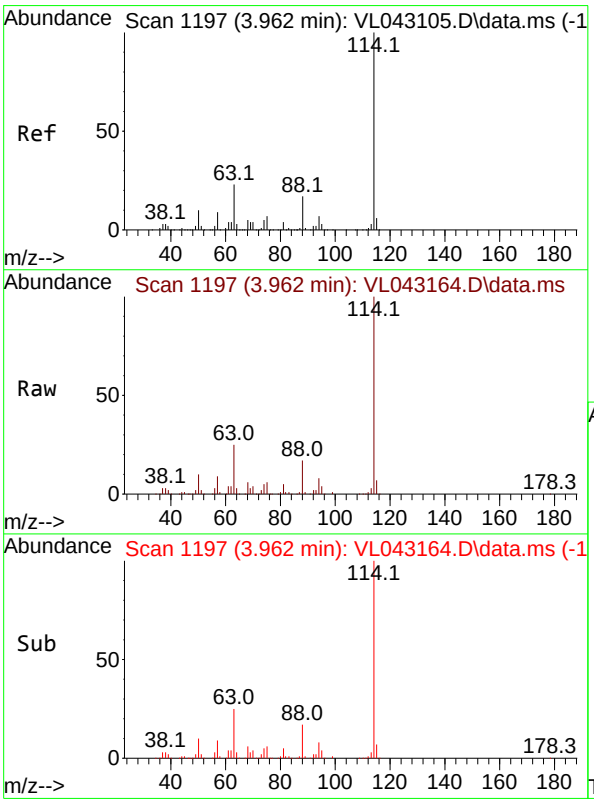
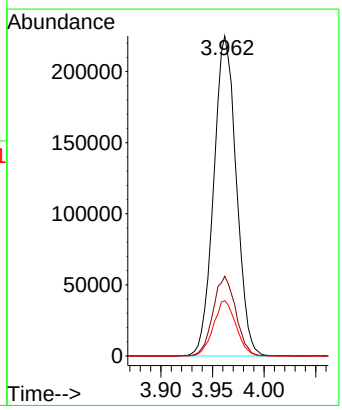
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

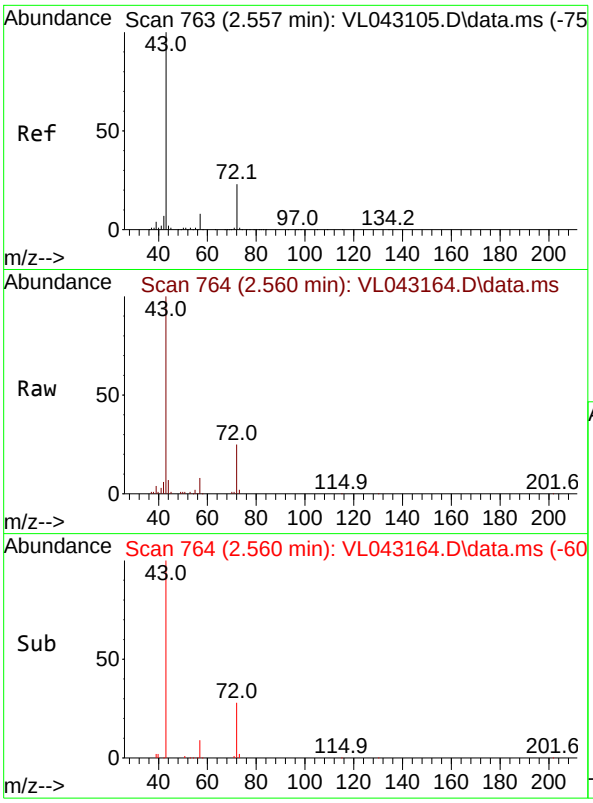


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion:114 Resp: 342427

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.3	28.9
88	17.2	13.9	20.9





#34
2-Butanone
Concen: 1.508 ppbv
RT: 2.560 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 43 Resp: 3471

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.4	27.6

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

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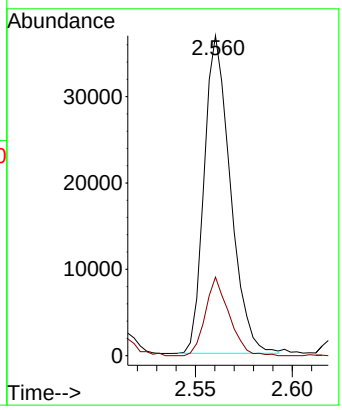
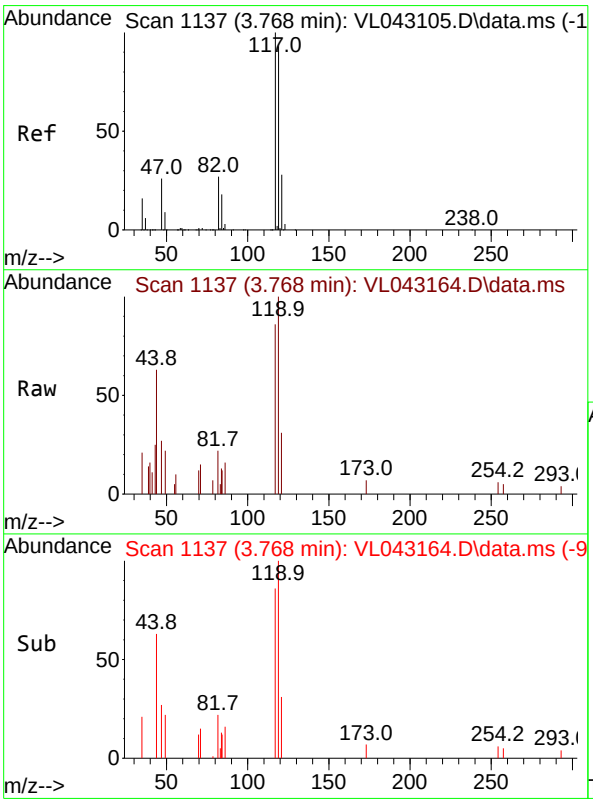
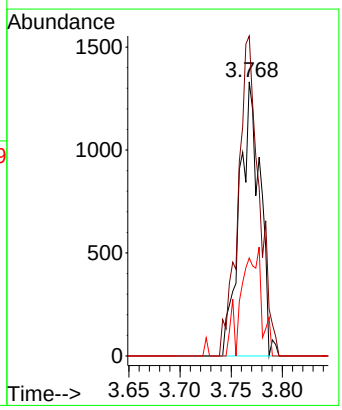


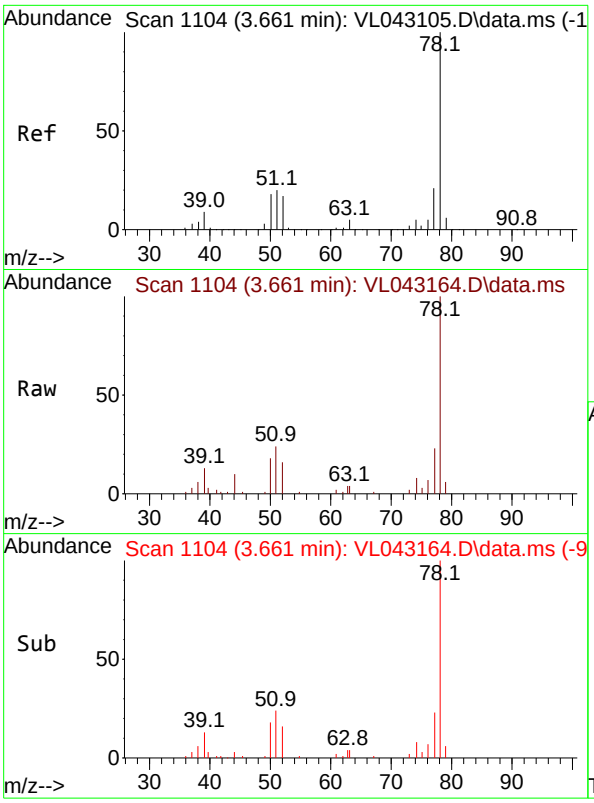


#35
Carbon Tetrachloride
Concen: 0.075 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion:117 Resp: 1853

Ion	Ratio	Lower	Upper
117	100		
119	116.8	74.1	111.1#
121	35.7	22.2	33.2#

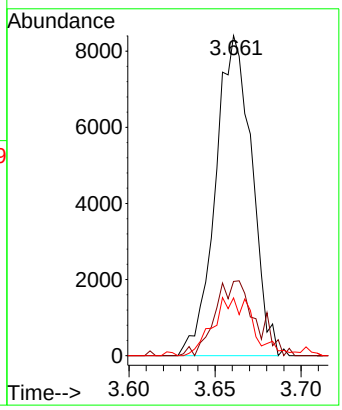




#36
Benzene
Concen: 0.382 ppbv
RT: 3.661 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 78 Resp: 1230

Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.0	25.6
50	18.0	14.6	22.0



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations
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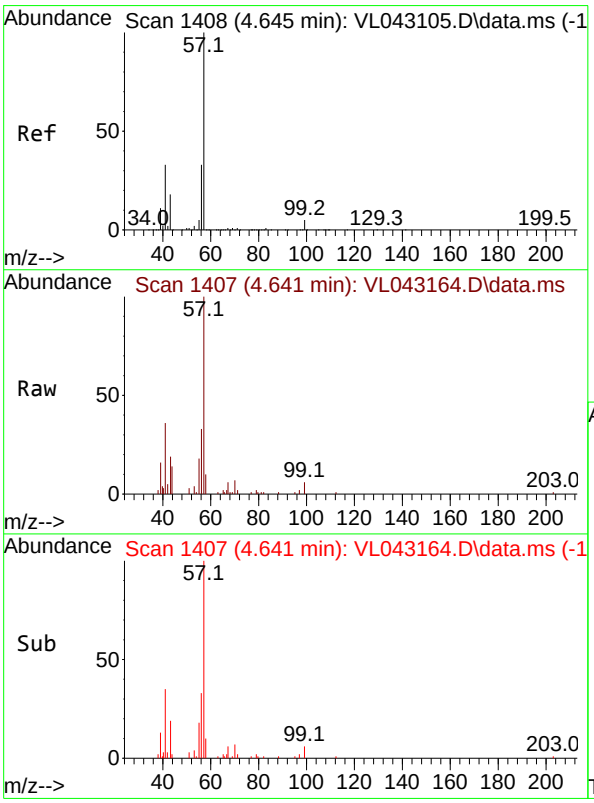
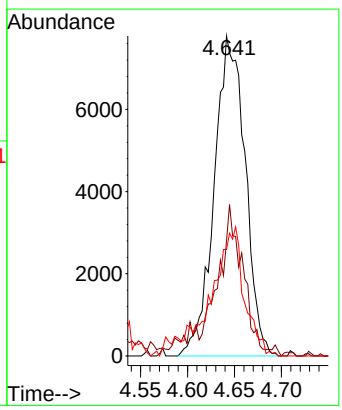
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

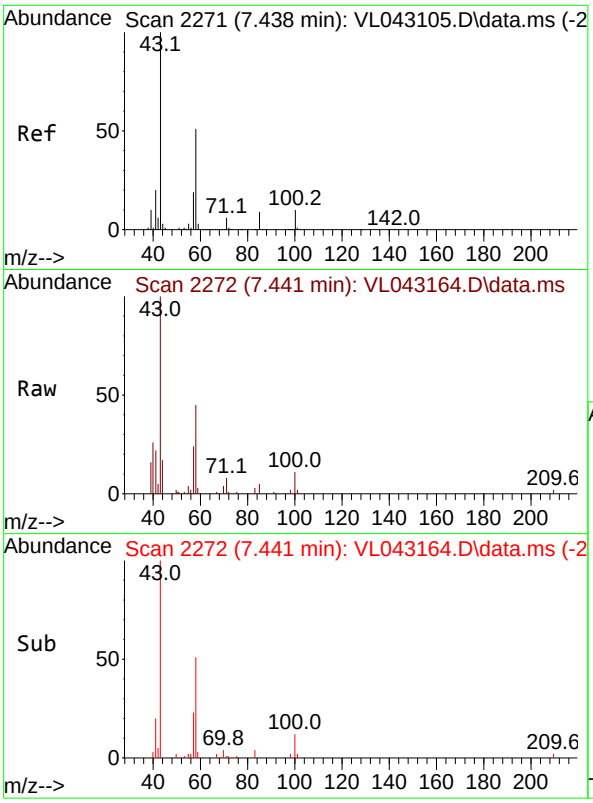


#44
2,2,4-Trimethylpentane
Concen: 0.328 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.004 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 57 Resp: 17870

Ion	Ratio	Lower	Upper
57	100		
41	45.5	26.3	39.5#
56	44.3	25.9	38.9#

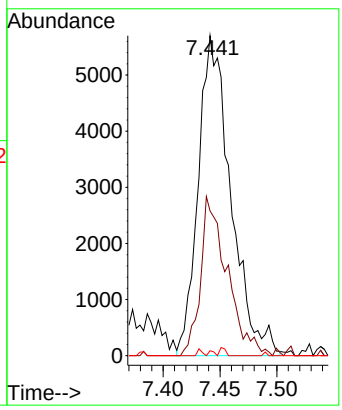




#51
2-Hexanone
Concen: 0.477 ppbv m
RT: 7.441 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 43 Resp: 1136

Ion	Ratio	Lower	Upper
43	100		
58	41.1	40.4	60.6
98	0.0	0.1	0.1#



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

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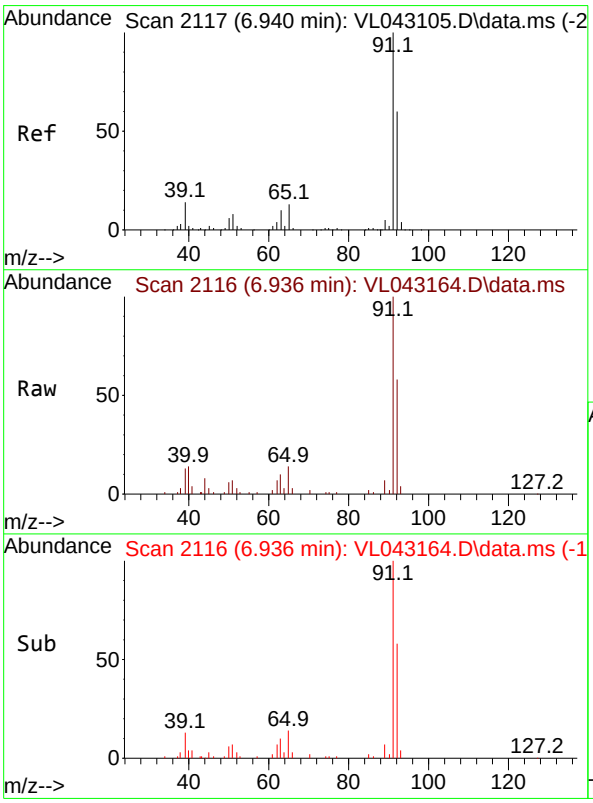
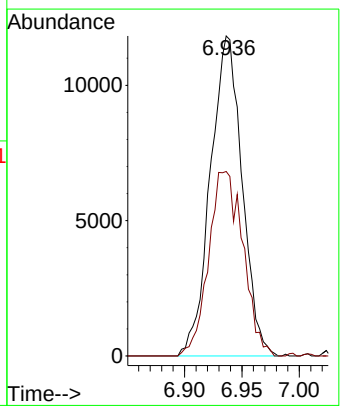
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

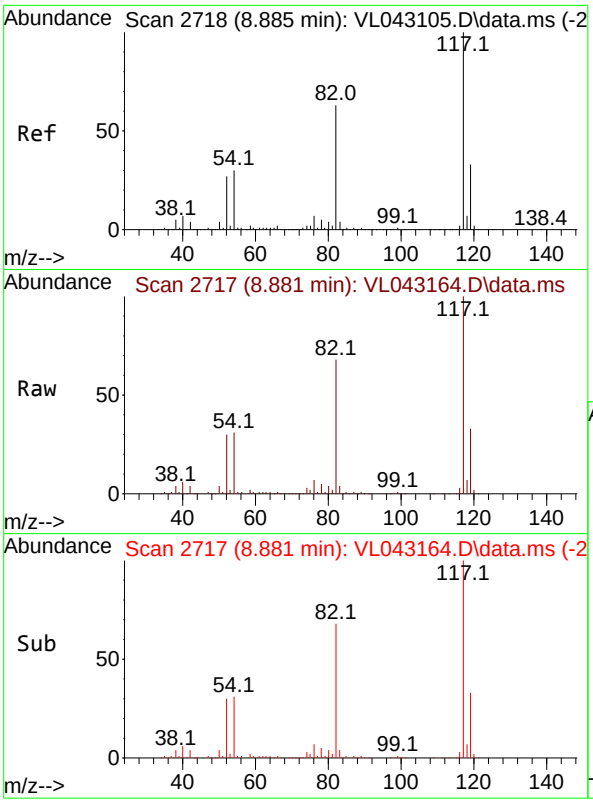


#53
Toluene
Concen: 0.593 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.004 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 91 Resp: 22705

Ion	Ratio	Lower	Upper
91	100		
92	63.0	48.8	73.2

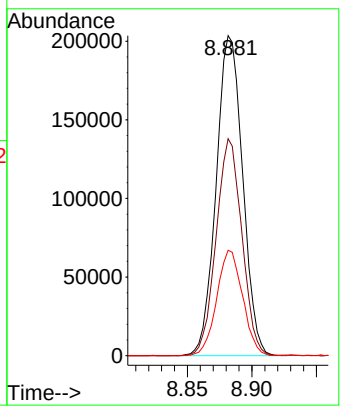




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion:117 Resp: 29045

Ion	Ratio	Lower	Upper
117	100		
82	66.0	53.8	80.8
119	32.3	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

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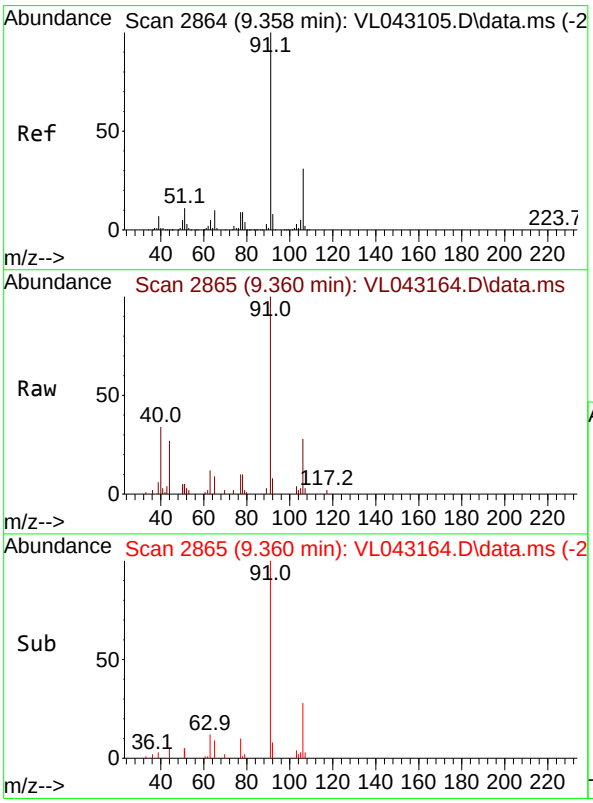
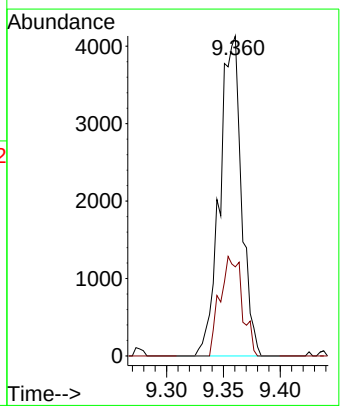
Supervised By :Mahesh Dadoda 11/10/2025

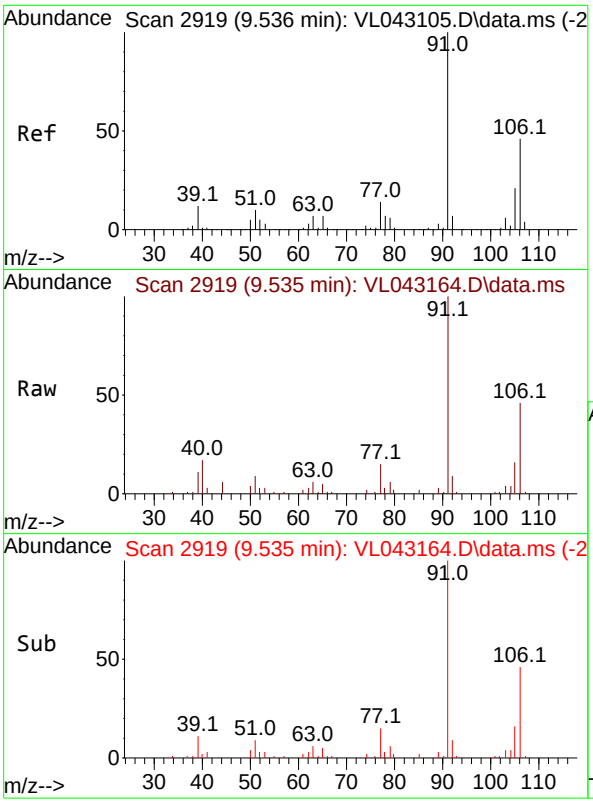


#58
Ethyl Benzene
Concen: 0.110 ppbv m
RT: 9.360 min Scan# 2865
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 91 Resp: 5488

Ion	Ratio	Lower	Upper
91	100		
106	27.8	24.8	37.2

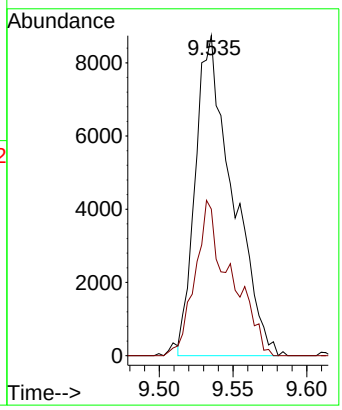




#59
m/p-Xylene
Concen: 0.385 ppbv
RT: 9.535 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 91 Resp: 1529

Ion	Ratio	Lower	Upper
91	100		
106	46.5	38.0	57.0



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations
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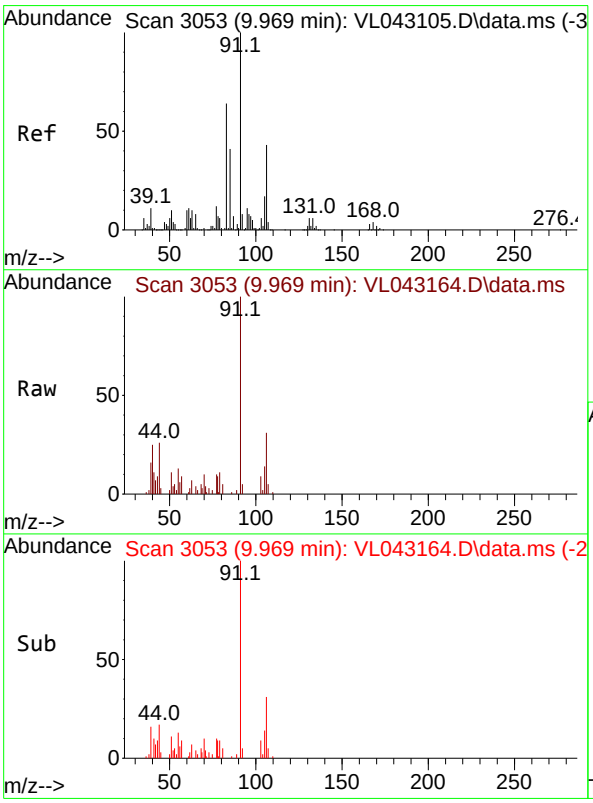
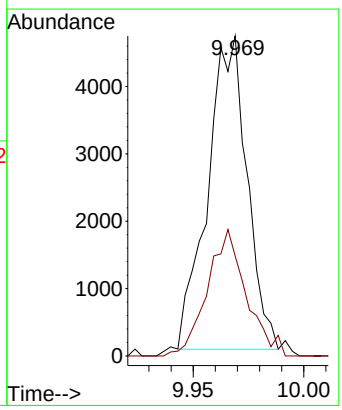
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

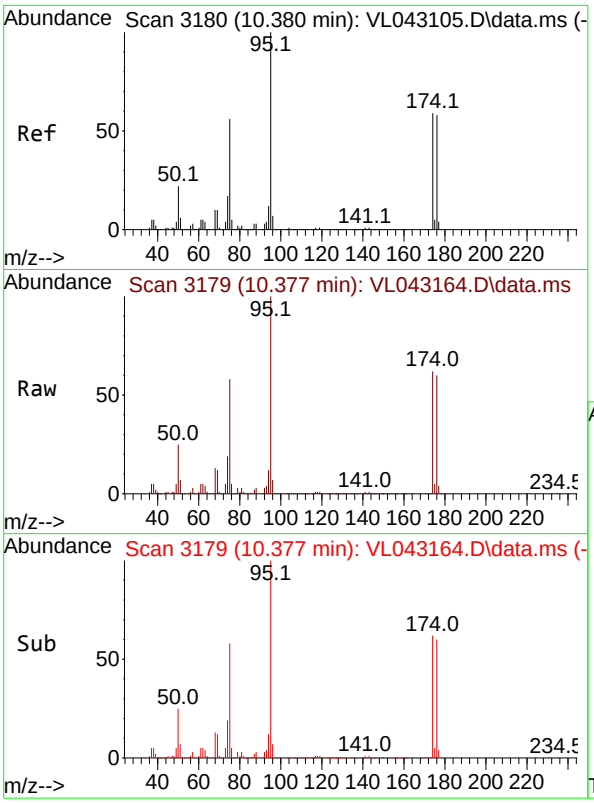


#60
o-Xylene
Concen: 0.147 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 91 Resp: 5758

Ion	Ratio	Lower	Upper
91	100		
106	39.8	21.9	65.8

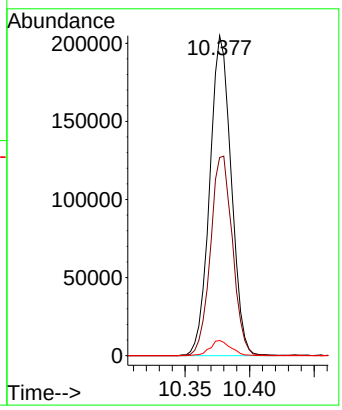




#68
1-Bromo-4-Fluorobenzene
Concen: 10.513 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 95 Resp: 23735

Ion	Ratio	Lower	Upper
95	100		
174	63.7	48.3	72.5
175	4.6	3.8	5.8



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

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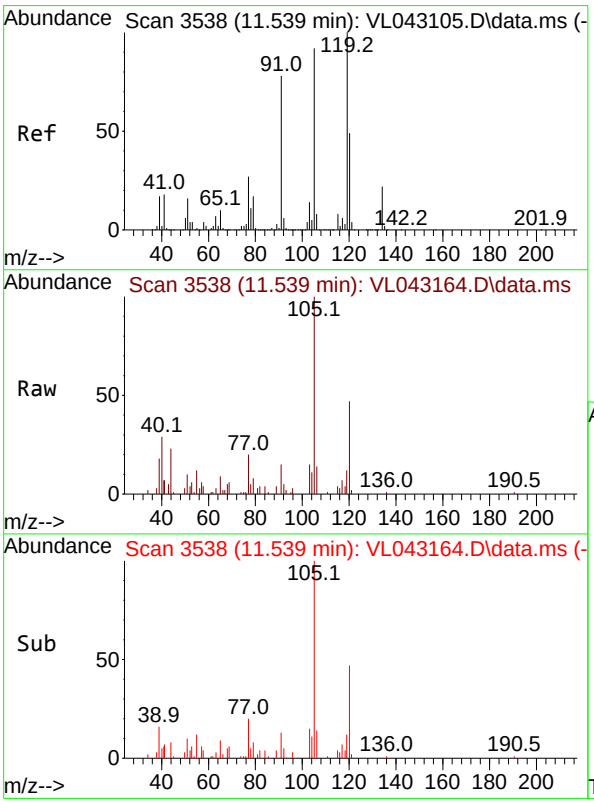
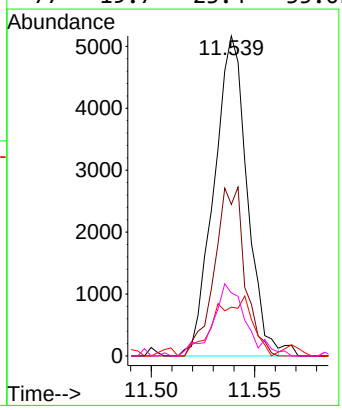
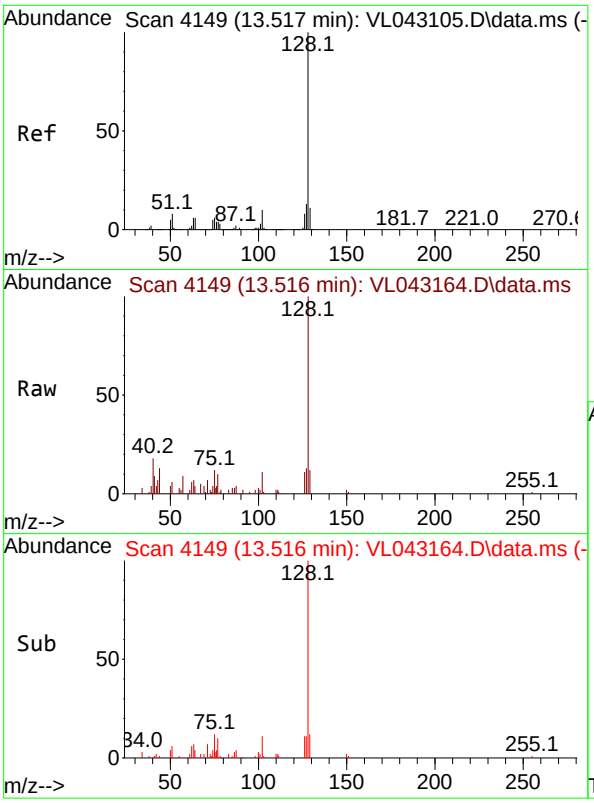


#74
1,2,4-Trimethylbenzene
Concen: 0.129 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion:105 Resp: 5751

Ion	Ratio	Lower	Upper
105	100		
120	47.4	42.8	64.2
91	15.3	68.3	102.5#
77	19.7	23.4	35.0#

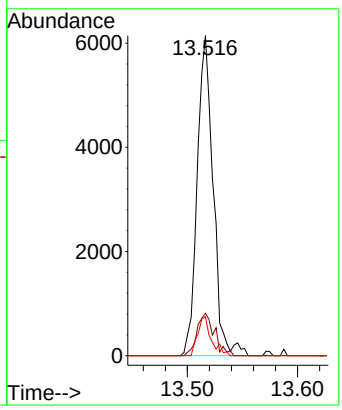




#79
Naphthalene
Concen: 0.133 ppbv m
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion:128 Resp: 621

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	12.2	9.1	13.7



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Manual Integrations
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Supervised By :Mahesh Dadoda 11/10/2025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-IA-1DL	SDG No.:	Q3557
Lab Sample ID:	Q3557-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.40	6.92	JD	4	2.18	9.89	11/06/25 17:35	VL110625
74-87-3	Chloromethane	0.47	0.97	JD	4	0.81	4.13	11/06/25 17:35	VL110625
75-01-4	Vinyl Chloride	0.10	0.26	UD	4	0.26	0.31	11/06/25 17:35	VL110625
74-83-9	Bromomethane	0.31	1.20	UD	4	1.20	7.77	11/06/25 17:35	VL110625
75-00-3	Chloroethane	0.60	1.58	UD	4	1.58	5.28	11/06/25 17:35	VL110625
109-99-9	Tetrahydrofuran	0.32	0.94	UD	4	0.94	5.90	11/06/25 17:35	VL110625
75-69-4	Trichlorofluoromethane	0.68	3.82	UD	4	3.82	11.2	11/06/25 17:35	VL110625
76-13-1	1,1,2-Trichlorotrifluoroethane	0.56	4.29	UD	4	4.29	15.3	11/06/25 17:35	VL110625
76-14-2	Dichlorotetrafluoroethane	0.60	4.19	UD	4	4.19	14.0	11/06/25 17:35	VL110625
75-65-0	tert-Butyl alcohol	0.64	1.94	UD	4	1.94	6.06	11/06/25 17:35	VL110625
142-82-5	Heptane	0.68	2.79	UD	4	2.79	8.20	11/06/25 17:35	VL110625
75-35-4	1,1-Dichloroethene	0.60	2.38	UD	4	2.38	7.93	11/06/25 17:35	VL110625
67-64-1	Acetone	11.6	27.6	D	4	1.71	4.75	11/06/25 17:35	VL110625
75-15-0	Carbon Disulfide	0.32	1.00	UD	4	1.00	6.23	11/06/25 17:35	VL110625
1634-04-4	Methyl tert-Butyl Ether	0.92	3.32	UD	4	3.32	7.21	11/06/25 17:35	VL110625
75-09-2	Methylene Chloride	14.9	51.8	D	4	3.20	6.95	11/06/25 17:35	VL110625
156-60-5	trans-1,2-Dichloroethene	0.48	1.90	UD	4	1.90	7.93	11/06/25 17:35	VL110625
75-34-3	1,1-Dichloroethane	0.52	2.10	UD	4	2.10	8.09	11/06/25 17:35	VL110625
110-82-7	Cyclohexane	0.88	3.03	UD	4	3.03	6.88	11/06/25 17:35	VL110625
78-93-3	2-Butanone	1.50	4.42	JD	4	0.65	5.90	11/06/25 17:35	VL110625
56-23-5	Carbon Tetrachloride	0.10	0.63	UD	4	0.63	0.75	11/06/25 17:35	VL110625
156-59-2	cis-1,2-Dichloroethene	0.40	1.59	UD	4	1.59	7.93	11/06/25 17:35	VL110625
67-66-3	Chloroform	0.38	1.86	UD	4	1.86	9.77	11/06/25 17:35	VL110625
71-55-6	1,1,1-Trichloroethane	0.060	0.33	UD	4	0.33	0.65	11/06/25 17:35	VL110625
540-84-1	2,2,4-Trimethylpentane	0.56	2.62	UD	4	2.62	9.34	11/06/25 17:35	VL110625
71-43-2	Benzene	0.41	1.31	JD	4	1.02	6.39	11/06/25 17:35	VL110625
107-06-2	1,2-Dichloroethane	0.37	1.50	UD	4	1.50	8.09	11/06/25 17:35	VL110625
79-01-6	Trichloroethene	0.10	0.54	UD	4	0.54	0.64	11/06/25 17:35	VL110625
78-87-5	1,2-Dichloropropane	0.52	2.40	UD	4	2.40	9.24	11/06/25 17:35	VL110625
75-27-4	Bromodichloromethane	0.25	1.67	UD	4	1.67	13.4	11/06/25 17:35	VL110625
108-10-1	4-Methyl-2-Pentanone	0.39	1.60	UD	4	1.60	8.20	11/06/25 17:35	VL110625
108-88-3	Toluene	0.64	2.41	UD	4	2.41	7.54	11/06/25 17:35	VL110625
10061-02-6	t-1,3-Dichloropropene	0.60	2.72	UD	4	2.72	9.08	11/06/25 17:35	VL110625
10061-01-5	cis-1,3-Dichloropropene	0.44	2.00	UD	4	2.00	9.08	11/06/25 17:35	VL110625
79-00-5	1,1,2-Trichloroethane	0.32	1.75	UD	4	1.75	10.9	11/06/25 17:35	VL110625
124-48-1	Dibromochloromethane	0.34	2.90	UD	4	2.90	17.0	11/06/25 17:35	VL110625
106-93-4	1,2-Dibromoethane	0.34	2.61	UD	4	2.61	3.07	11/06/25 17:35	VL110625
127-18-4	Tetrachloroethene	0.060	0.41	UD	4	0.41	0.81	11/06/25 17:35	VL110625
108-90-7	Chlorobenzene	0.31	1.43	UD	4	1.43	9.21	11/06/25 17:35	VL110625
100-41-4	Ethyl Benzene	0.76	3.30	UD	4	3.30	8.69	11/06/25 17:35	VL110625
179601-23-1	m/p-Xylene	1.60	6.95	UD	4	6.95	17.4	11/06/25 17:35	VL110625
95-47-6	o-Xylene	0.84	3.65	UD	4	3.65	8.69	11/06/25 17:35	VL110625
100-42-5	Styrene	0.64	2.72	UD	4	2.72	8.52	11/06/25 17:35	VL110625
75-25-2	Bromoform	0.19	1.96	UD	4	1.96	20.7	11/06/25 17:35	VL110625
79-34-5	1,1,2,2-Tetrachloroethane	0.070	0.48	UD	4	0.48	0.82	11/06/25 17:35	VL110625
95-49-8	2-Chlorotoluene	0.68	3.52	UD	4	3.52	10.4	11/06/25 17:35	VL110625

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-IA-1DL	SDG No.:	Q3557
Lab Sample ID:	Q3557-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.72	3.54	UD	4	3.54	9.83		11/06/25 17:35	VL110625
95-63-6	1,2,4-Trimethylbenzene	0.72	3.54	UD	4	3.54	9.83		11/06/25 17:35	VL110625
541-73-1	1,3-Dichlorobenzene	0.22	1.32	UD	4	1.32	12.0		11/06/25 17:35	VL110625
106-46-7	1,4-Dichlorobenzene	0.52	3.13	UD	4	3.13	12.0		11/06/25 17:35	VL110625
95-50-1	1,2-Dichlorobenzene	0.52	3.13	UD	4	3.13	12.0		11/06/25 17:35	VL110625
120-82-1	1,2,4-Trichlorobenzene	0.84	6.24	UD	4	6.24	14.8		11/06/25 17:35	VL110625
87-68-3	Hexachloro-1,3-Butadiene	0.52	5.55	UD	4	5.55	21.3		11/06/25 17:35	VL110625
106-99-0	1,3-Butadiene	0.20	0.44	UD	4	0.44	4.42		11/06/25 17:35	VL110625
91-20-3	Naphthalene	0.050	0.26	UD	4	0.26	2.10		11/06/25 17:35	VL110625
622-96-8	4-Ethyltoluene	0.84	4.13	UD	4	4.13	9.83		11/06/25 17:35	VL110625
110-54-3	Hexane	5.20	18.3	D	4	2.26	7.05		11/06/25 17:35	VL110625
107-05-1	Allyl Chloride	0.44	1.38	UD	4	1.38	6.26		11/06/25 17:35	VL110625
123-91-1	1,4-Dioxane	0.88	3.17	UD	4	3.17	7.21		11/06/25 17:35	VL110625
80-62-6	Methyl Methacrylate	0.56	2.29	UD	4	2.29	8.19		11/06/25 17:35	VL110625
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	10.2				70 (65) - 130	102%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	119000								
540-36-3	1,4-Difluorobenzene	327000								
3114-55-4	Chlorobenzene-d5	276000								

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\VL110625\
Data File : VL043172.D
Acq On : 06 Nov 2025 17:35
Operator : SY/MD
Sample : Q3557-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	118952	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	326674	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	276195	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	218383	10.173	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6052	0.358	ppbv #	87
4) Chloromethane	1.534	50	786	0.117	ppbv #	88
9) Propene	1.486	41	5436m	0.670	ppbv	
13) Ethanol	1.722	45	18986	6.325	ppbv	94
15) Acetone	1.835	43	46549	2.903	ppbv	97
19) Isopropyl Alcohol	1.887	45	3123m	0.313	ppbv	
20) Methylene Chloride	2.062	84	23578	3.720	ppbv	90
26) Hexane	2.826	57	23868	1.303	ppbv #	40
34) 2-Butanone	2.557	43	8478	0.386	ppbv	94
36) Benzene	3.654	78	3136m	0.102	ppbv	
51) 2-Hexanone	7.445	43	2603m	0.115	ppbv	
53) Toluene	6.920	91	4747m	0.130	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043172.D
Acq On : 06 Nov 2025 17:35
Operator : SY/MD
Sample : Q3557-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Manual Integrations APPROVED
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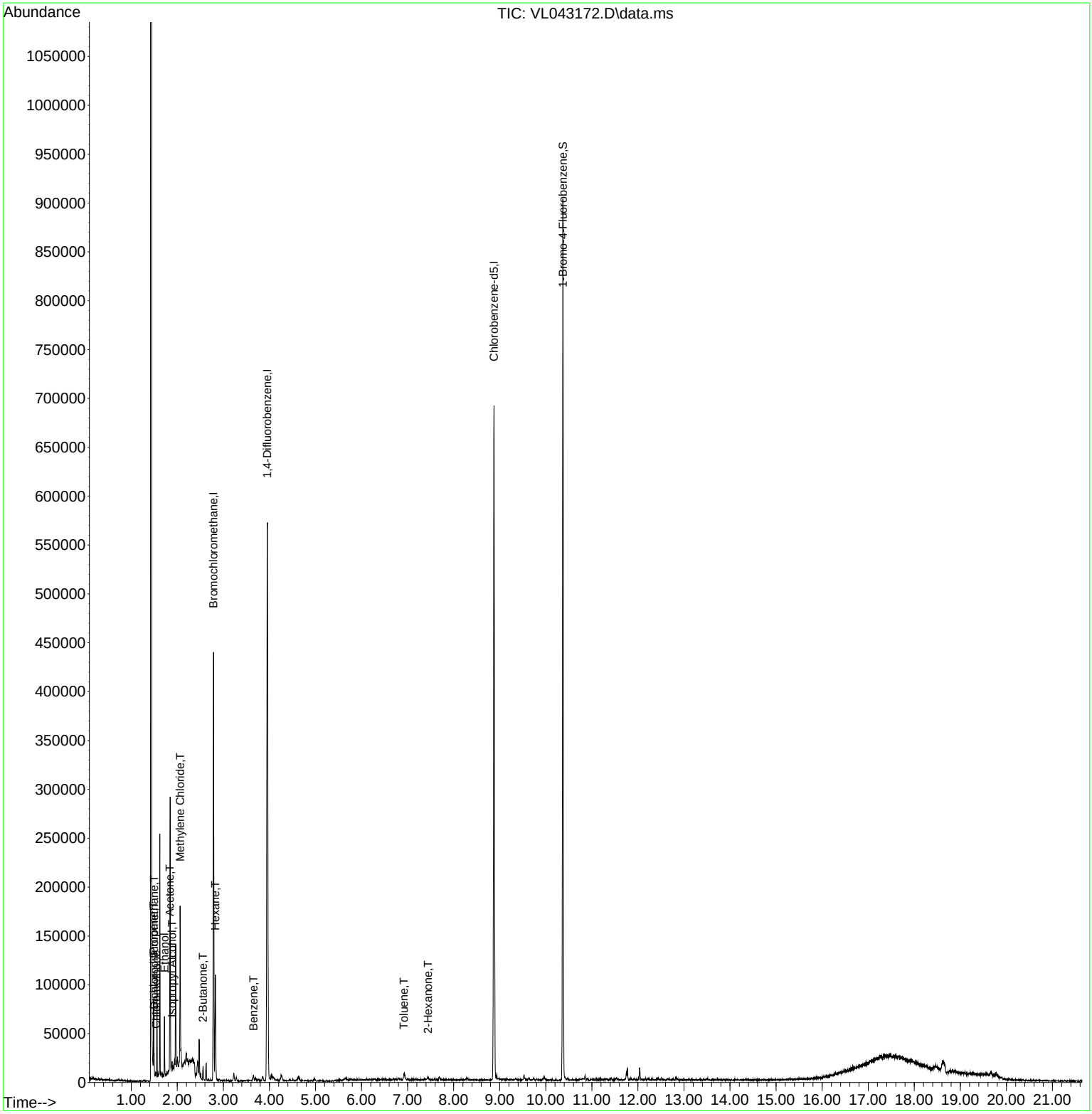
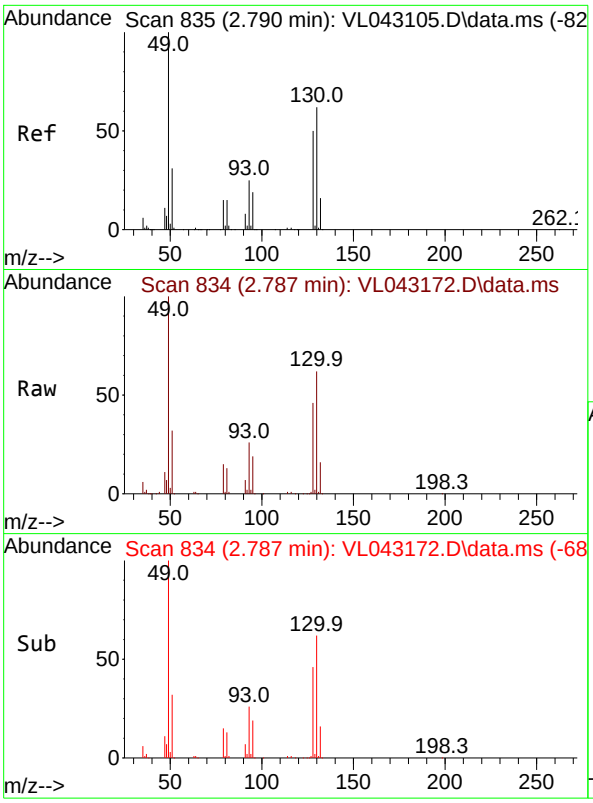
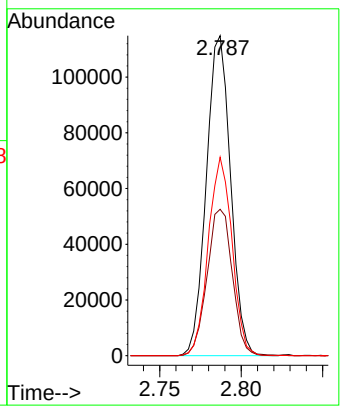




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 49 Resp: 11895

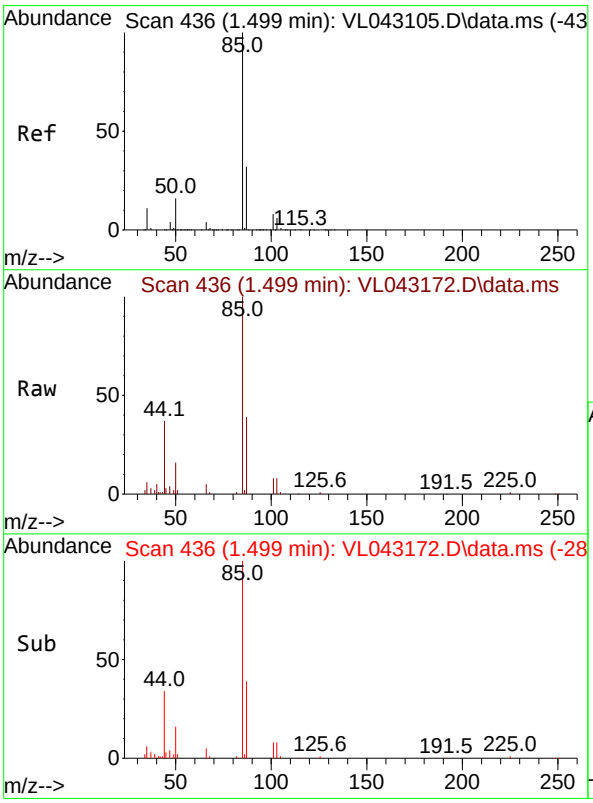
Ion	Ratio	Lower	Upper
49	100		
128	47.5	24.4	73.4
130	60.7	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Manual Integrations
APPROVED

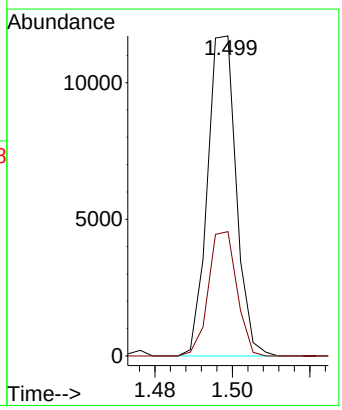
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

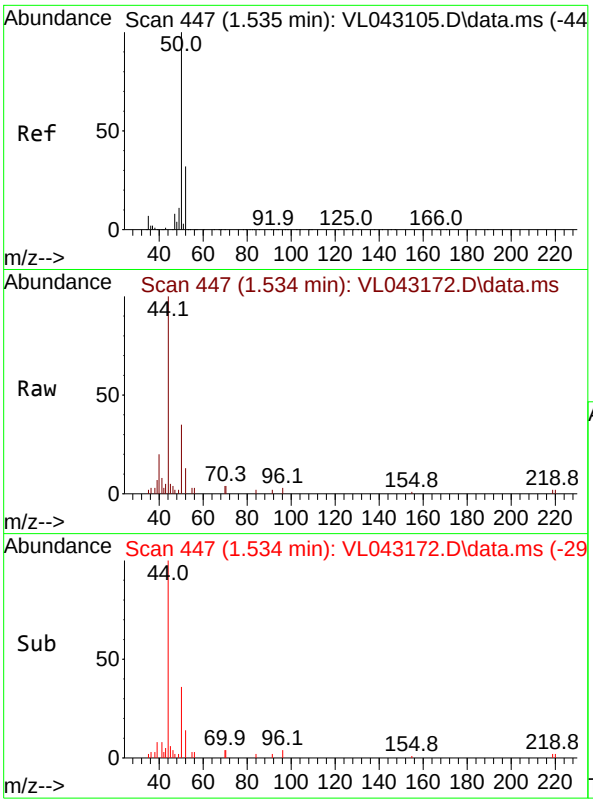


#2
Dichlorodifluoromethane
Concen: 0.358 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 85 Resp: 6052

Ion	Ratio	Lower	Upper
85	100		
87	38.8	25.3	37.9#

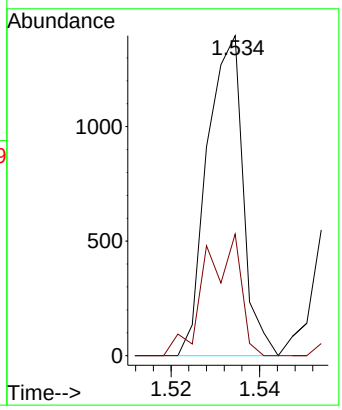




#4
Chloromethane
Concen: 0.117 ppbv
RT: 1.534 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 50 Resp: 78

Ion	Ratio	Lower	Upper
50	100		
52	38.0	25.2	37.8#



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Manual Integrations
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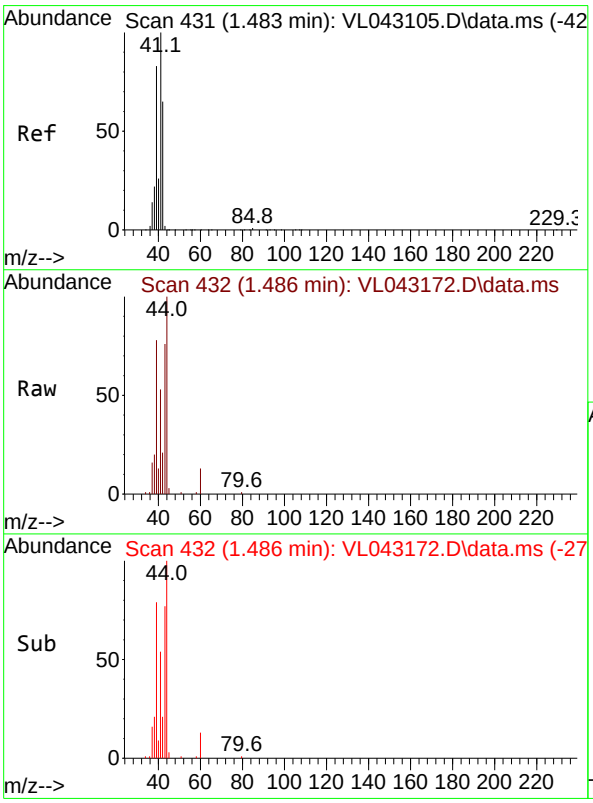
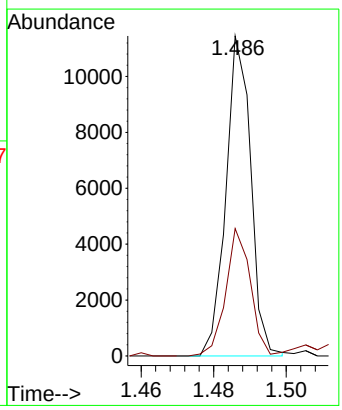
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

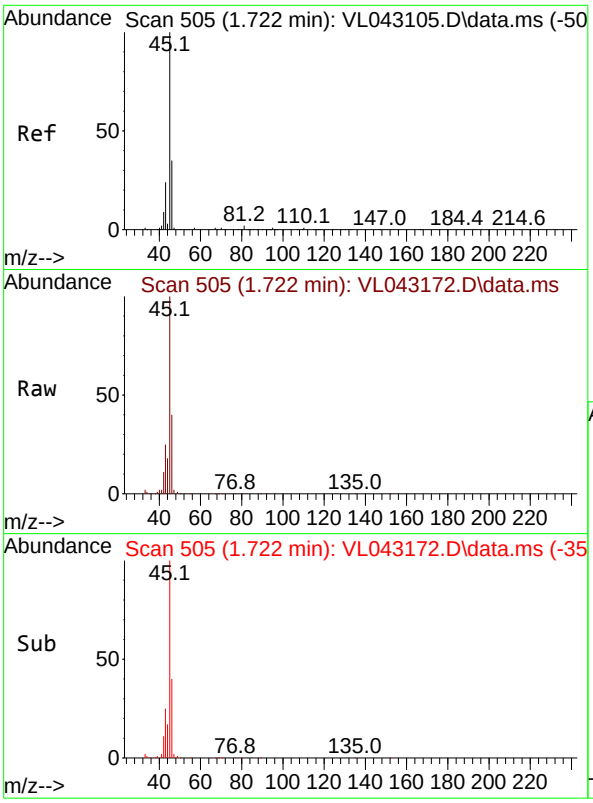


#9
Propene
Concen: 0.670 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 41 Resp: 5436

Ion	Ratio	Lower	Upper
41	100		
42	153.5	55.1	82.7#

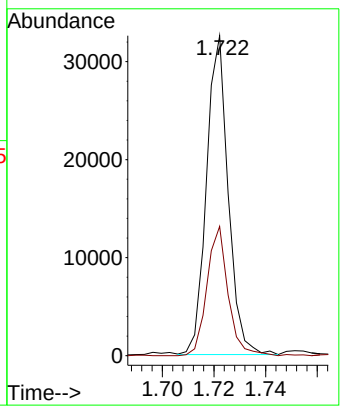




#13
Ethanol
Concen: 6.325 ppbv
RT: 1.722 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 45 Resp: 1898(

Ion	Ratio	Lower	Upper
45	100		
46	40.1	14.7	58.9



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Manual Integrations
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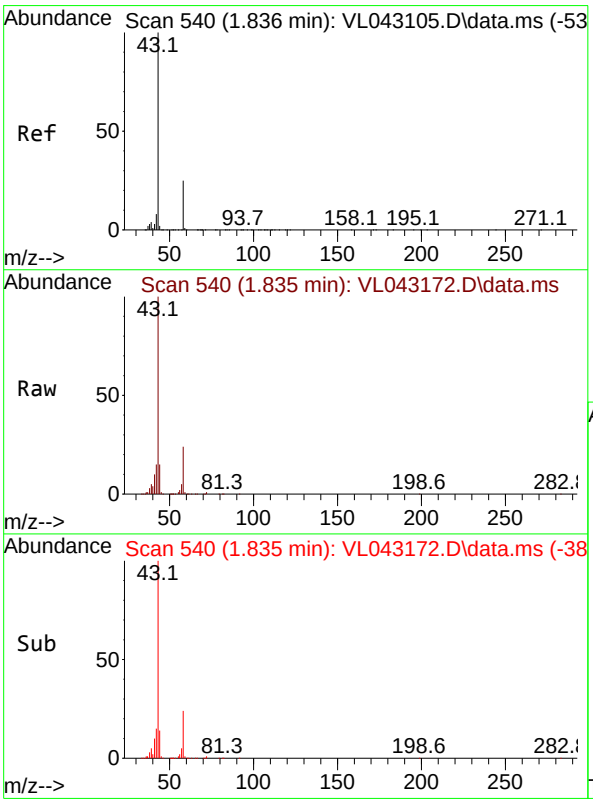
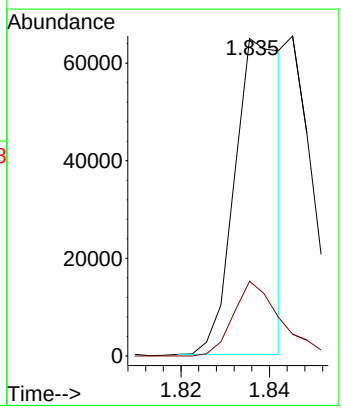
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

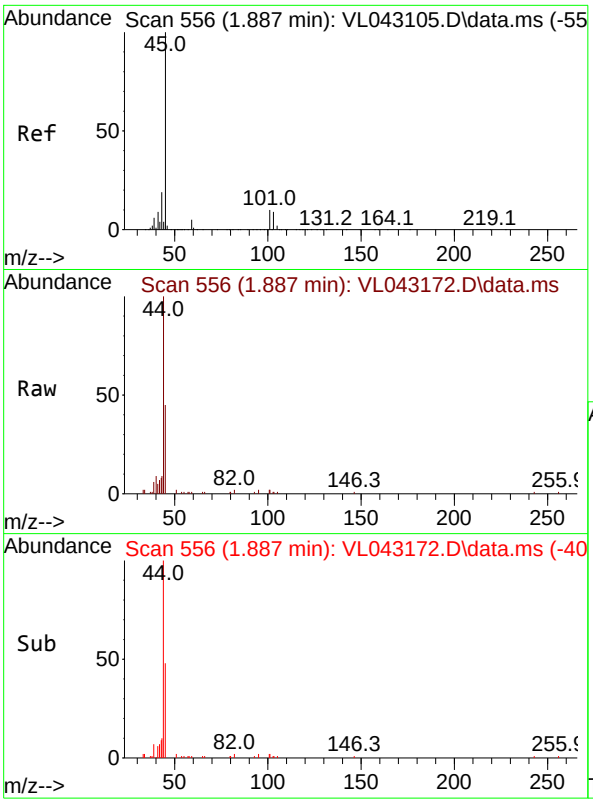


#15
Acetone
Concen: 2.903 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 43 Resp: 46549

Ion	Ratio	Lower	Upper
43	100		
58	24.3	20.8	31.2

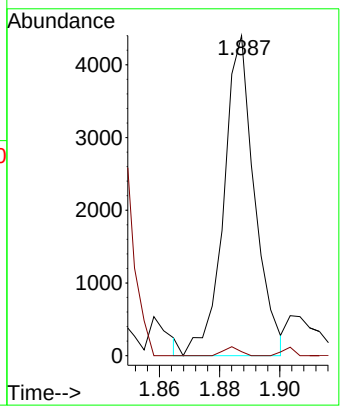




#19
Isopropyl Alcohol
Concen: 0.313 ppbv m
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 45 Resp: 312

Ion	Ratio	Lower	Upper
45	100		
58	242.4	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Manual Integrations
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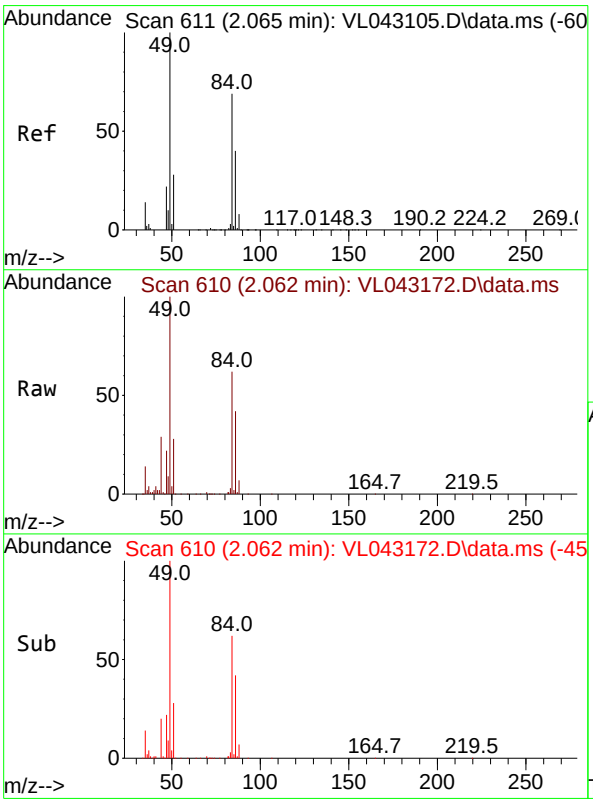
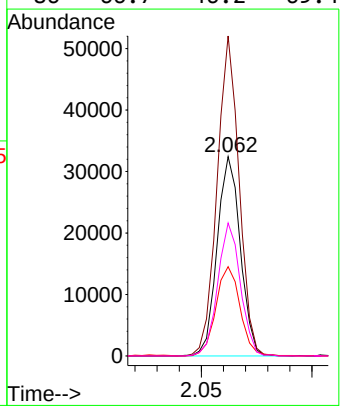
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

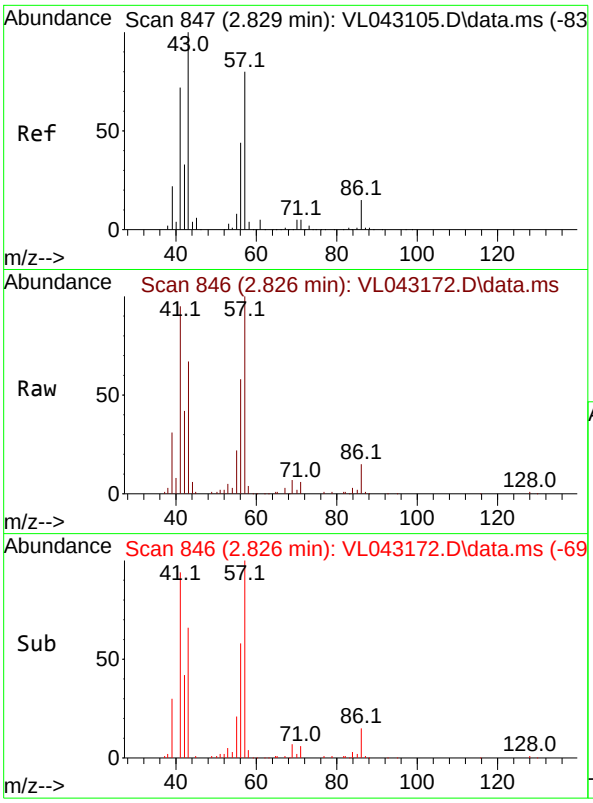


#20
Methylene Chloride
Concen: 3.720 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 84 Resp: 23578

Ion	Ratio	Lower	Upper
84	100		
49	160.5	116.6	175.0
51	44.8	34.8	52.2
86	66.7	46.2	69.4

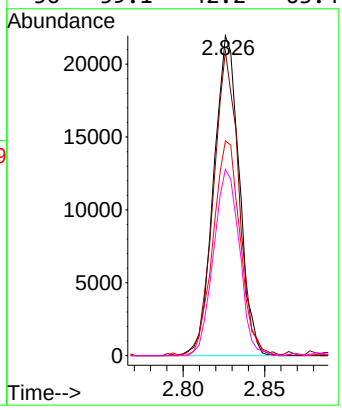




#26
Hexane
Concen: 1.303 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 57 Resp: 2386

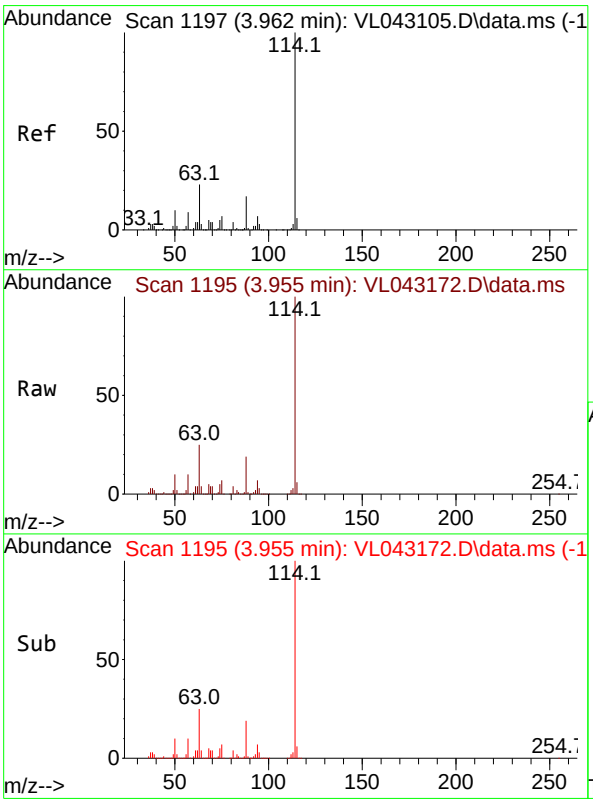
Ion	Ratio	Lower	Upper
57	100		
41	95.0	71.4	107.0
43	71.9	178.5	267.7#
56	59.1	42.2	63.4



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Manual Integrations
APPROVED

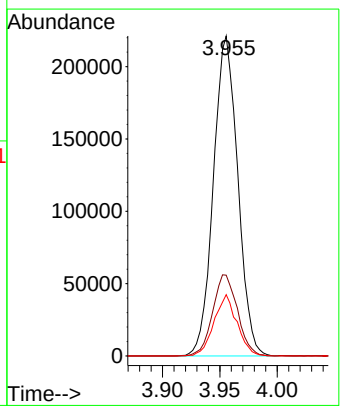
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

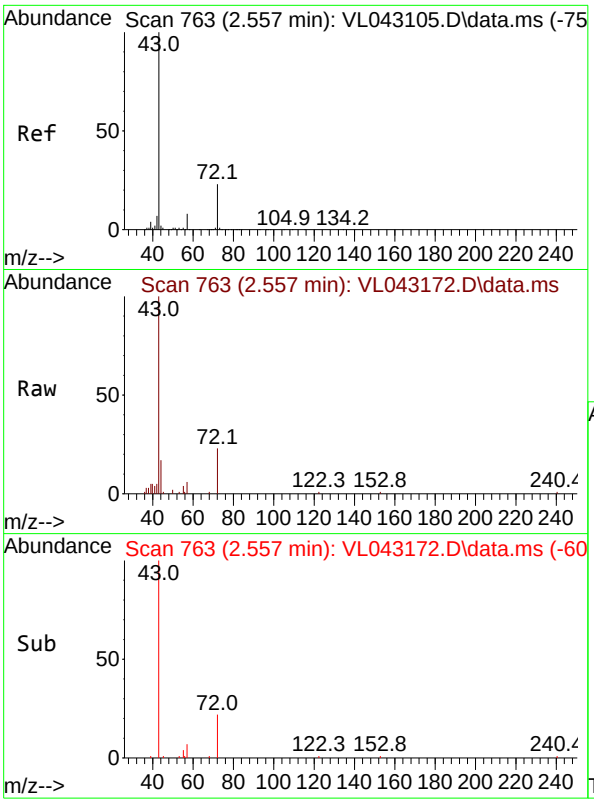


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.007 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion:114 Resp: 326674

Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.3	28.9
88	18.1	13.9	20.9

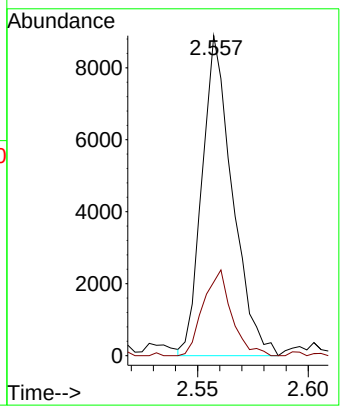




#34
2-Butanone
Concen: 0.386 ppbv
RT: 2.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 43 Resp: 847

Ion	Ratio	Lower	Upper
43	100		
72	25.7	18.4	27.6



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Manual Integrations
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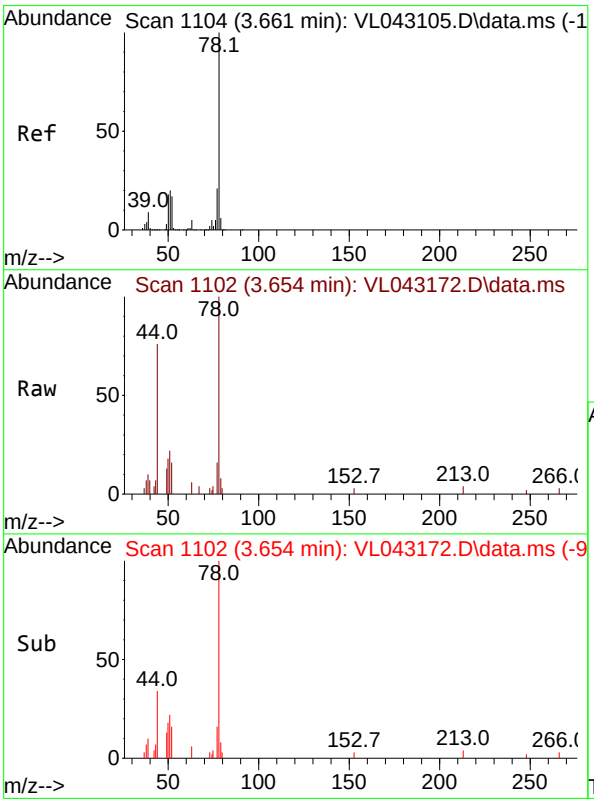
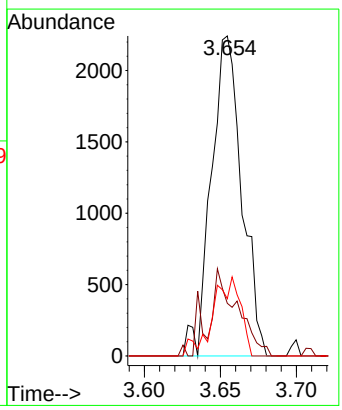
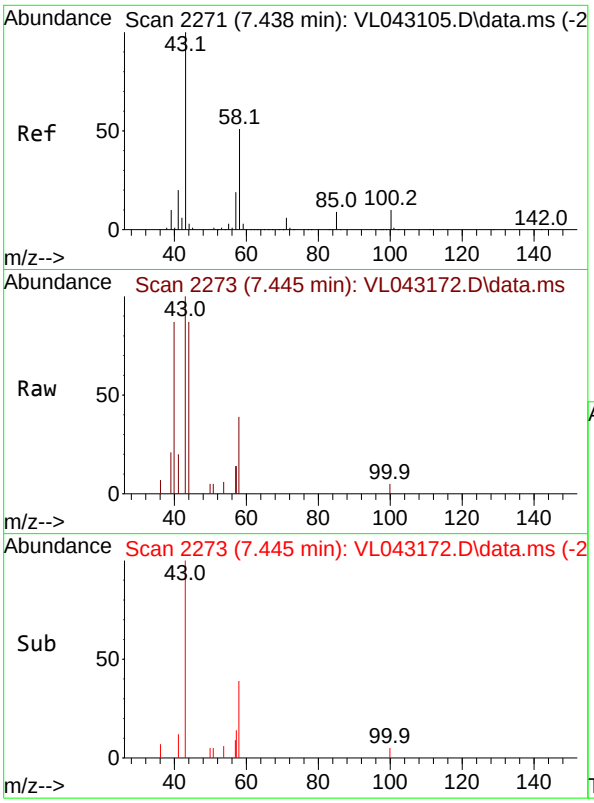


#36
Benzene
Concen: 0.102 ppbv m
RT: 3.654 min Scan# 1102
Delta R.T. -0.007 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 78 Resp: 3136

Ion	Ratio	Lower	Upper
78	100		
77	16.5	17.0	25.6#
50	17.9	14.6	22.0

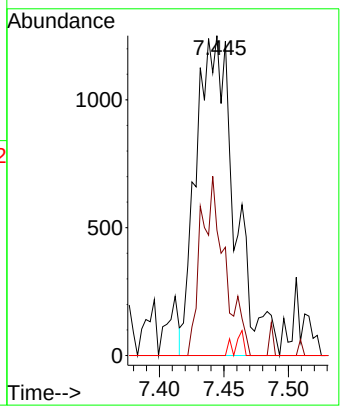




#51
2-Hexanone
Concen: 0.115 ppbv m
RT: 7.445 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 43 Resp: 260

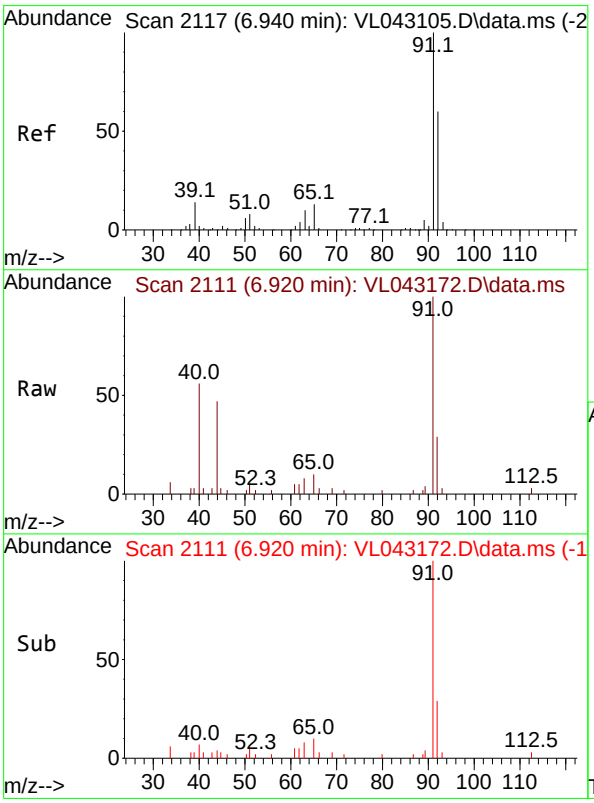
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.4	60.6#
98	0.0	0.1	0.1#



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Manual Integrations
APPROVED

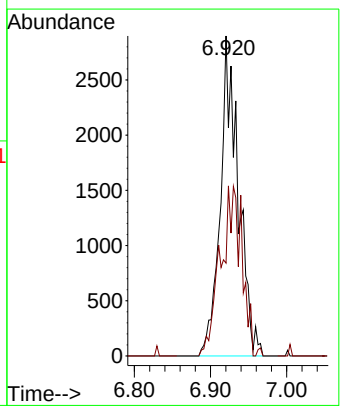
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

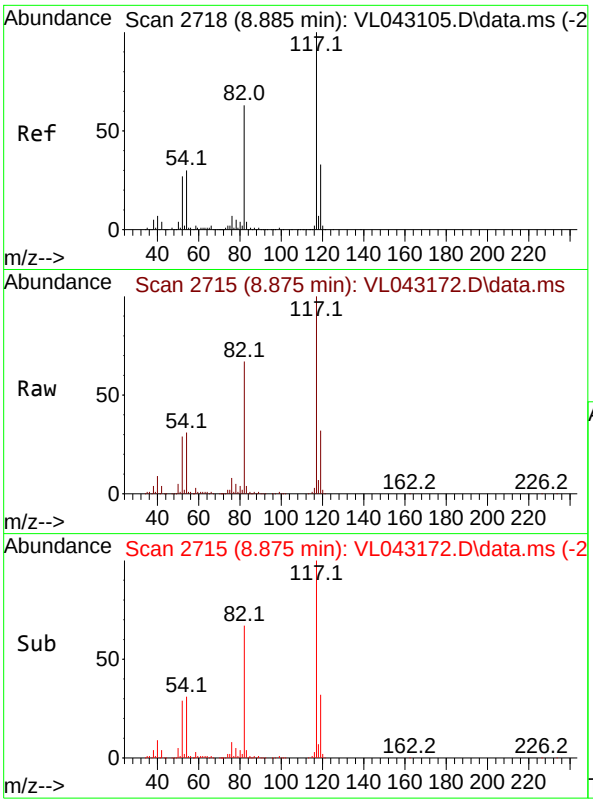


#53
Toluene
Concen: 0.130 ppbv m
RT: 6.920 min Scan# 2111
Delta R.T. -0.020 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 91 Resp: 4747

Ion	Ratio	Lower	Upper
91	100		
92	63.4	48.8	73.2

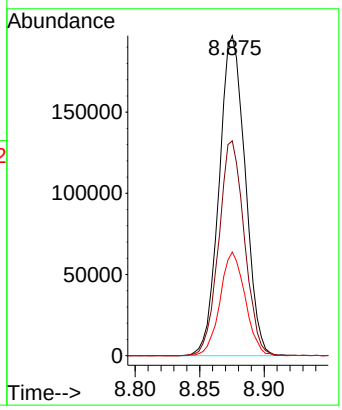




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion:117 Resp: 27619

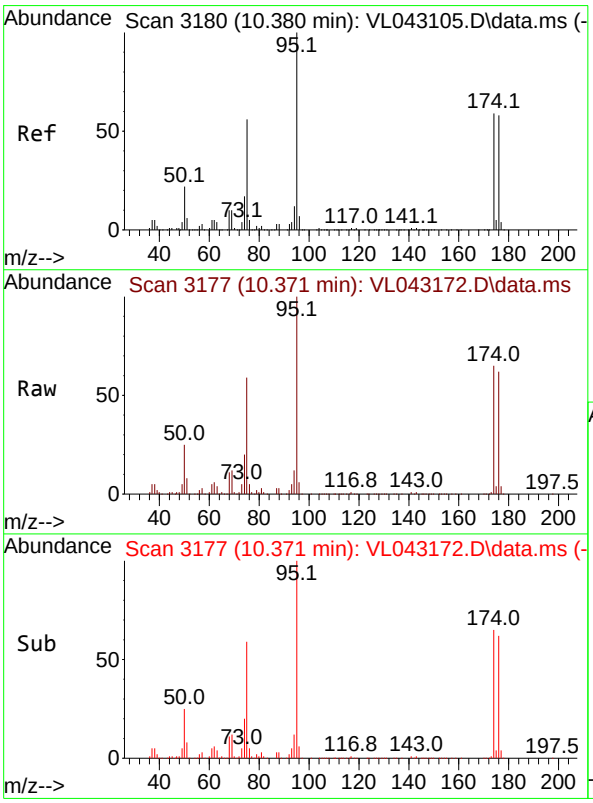
Ion	Ratio	Lower	Upper
117	100		
82	66.3	53.8	80.8
119	31.3	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Manual Integrations
APPROVED

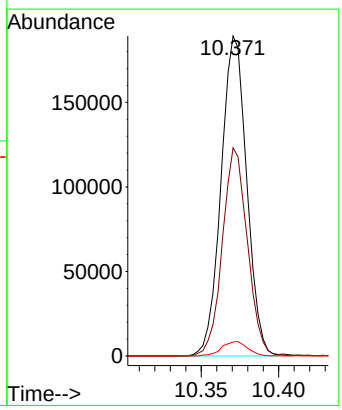
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.173 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.010 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 95 Resp: 218383

Ion	Ratio	Lower	Upper
95	100		
174	63.6	48.3	72.5
175	4.6	3.8	5.8



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-IA2	SDG No.:	Q3557
Lab Sample ID:	Q3557-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2.10	10.4		1	0.54	2.47	11/06/25 13:50	VL110625
74-87-3	Chloromethane	0.47	0.97	J	1	0.21	1.03	11/06/25 13:50	VL110625
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/06/25 13:50	VL110625
74-83-9	Bromomethane	0.080	0.31	U	1	0.31	1.94	11/06/25 13:50	VL110625
75-00-3	Chloroethane	0.15	0.40	U	1	0.40	1.32	11/06/25 13:50	VL110625
109-99-9	Tetrahydrofuran	0.080	0.24	U	1	0.24	1.47	11/06/25 13:50	VL110625
75-69-4	Trichlorofluoromethane	0.36	2.02	J	1	0.96	2.81	11/06/25 13:50	VL110625
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1	1.07	3.83	11/06/25 13:50	VL110625
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1	1.05	3.49	11/06/25 13:50	VL110625
75-65-0	tert-Butyl alcohol	0.16	0.49	U	1	0.49	1.52	11/06/25 13:50	VL110625
142-82-5	Heptane	0.26	1.07	J	1	0.70	2.05	11/06/25 13:50	VL110625
75-35-4	1,1-Dichloroethene	0.15	0.59	U	1	0.59	1.98	11/06/25 13:50	VL110625
67-64-1	Acetone	12.7	30.2		1	0.43	1.19	11/06/25 13:50	VL110625
75-15-0	Carbon Disulfide	0.080	0.25	U	1	0.25	1.56	11/06/25 13:50	VL110625
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	1	0.83	1.80	11/06/25 13:50	VL110625
75-09-2	Methylene Chloride	0.66	2.29		1	0.80	1.74	11/06/25 13:50	VL110625
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	1	0.48	1.98	11/06/25 13:50	VL110625
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/06/25 13:50	VL110625
110-82-7	Cyclohexane	0.35	1.20	J	1	0.76	1.72	11/06/25 13:50	VL110625
78-93-3	2-Butanone	0.61	1.80		1	0.18	1.47	11/06/25 13:50	VL110625
56-23-5	Carbon Tetrachloride	0.090	0.57		1	0.19	0.19	11/06/25 13:50	VL110625
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/06/25 13:50	VL110625
67-66-3	Chloroform	0.10	0.49	U	1	0.49	2.44	11/06/25 13:50	VL110625
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/06/25 13:50	VL110625
540-84-1	2,2,4-Trimethylpentane	0.48	2.24	J	1	0.65	2.34	11/06/25 13:50	VL110625
71-43-2	Benzene	0.54	1.73		1	0.26	1.60	11/06/25 13:50	VL110625
107-06-2	1,2-Dichloroethane	0.090	0.36	U	1	0.36	2.02	11/06/25 13:50	VL110625
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/06/25 13:50	VL110625
78-87-5	1,2-Dichloropropane	0.13	0.60	U	1	0.60	2.31	11/06/25 13:50	VL110625
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/06/25 13:50	VL110625
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	1	0.41	2.05	11/06/25 13:50	VL110625
108-88-3	Toluene	0.90	3.39		1	0.60	1.88	11/06/25 13:50	VL110625
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	1	0.68	2.27	11/06/25 13:50	VL110625
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	1	0.50	2.27	11/06/25 13:50	VL110625
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	1	0.44	2.73	11/06/25 13:50	VL110625
124-48-1	Dibromochloromethane	0.090	0.77	U	1	0.77	4.26	11/06/25 13:50	VL110625
106-93-4	1,2-Dibromoethane	0.090	0.69	U	1	0.69	0.77	11/06/25 13:50	VL110625
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	11/06/25 13:50	VL110625
108-90-7	Chlorobenzene	0.080	0.37	U	1	0.37	2.30	11/06/25 13:50	VL110625
100-41-4	Ethyl Benzene	0.19	0.83	U	1	0.83	2.17	11/06/25 13:50	VL110625
179601-23-1	m/p-Xylene	0.60	2.61	J	1	1.78	4.34	11/06/25 13:50	VL110625
95-47-6	o-Xylene	0.25	1.09	J	1	0.91	2.17	11/06/25 13:50	VL110625
100-42-5	Styrene	0.16	0.68	U	1	0.68	2.13	11/06/25 13:50	VL110625
75-25-2	Bromoform	0.050	0.52	U	1	0.52	5.17	11/06/25 13:50	VL110625
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	1	0.14	0.21	11/06/25 13:50	VL110625
95-49-8	2-Chlorotoluene	0.17	0.88	U	1	0.88	2.59	11/06/25 13:50	VL110625

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-IA2	SDG No.:	Q3557
Lab Sample ID:	Q3557-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/06/25 13:50	VL110625
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/06/25 13:50	VL110625
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	1	0.30	3.01		11/06/25 13:50	VL110625
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01		11/06/25 13:50	VL110625
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01		11/06/25 13:50	VL110625
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1	1.56	3.71		11/06/25 13:50	VL110625
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1	1.39	5.33		11/06/25 13:50	VL110625
106-99-0	1,3-Butadiene	0.050	0.11	U	1	0.11	1.11		11/06/25 13:50	VL110625
91-20-3	Naphthalene	0.27	1.42		1	0.050	0.52		11/06/25 13:50	VL110625
622-96-8	4-Ethyltoluene	0.21	1.03	U	1	1.03	2.46		11/06/25 13:50	VL110625
110-54-3	Hexane	2.70	9.52		1	0.56	1.76		11/06/25 13:50	VL110625
107-05-1	Allyl Chloride	0.11	0.34	U	1	0.34	1.57		11/06/25 13:50	VL110625
123-91-1	1,4-Dioxane	0.22	0.79	U	1	0.79	1.80		11/06/25 13:50	VL110625
80-62-6	Methyl Methacrylate	0.14	0.57	U	1	0.57	2.05		11/06/25 13:50	VL110625
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	10.4				70 (65) - 130	104%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	113000								
540-36-3	1,4-Difluorobenzene	331000								
3114-55-4	Chlorobenzene-d5	284000								

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\VL110625\
Data File : VL043165.D
Acq On : 06 Nov 2025 13:50
Operator : SY/MD
Sample : Q3557-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:22:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	113035	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	330913	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	283774	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	229122	10.388	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	32908	2.048	ppbv		97
3) Chlorodifluoromethane	1.476	51	5130m	0.295	ppbv		
4) Chloromethane	1.531	50	2999	0.471	ppbv		91
9) Propene	1.489	41	32726m	4.244	ppbv		
10) Heptane	4.972	43	5746m	0.259	ppbv		
11) Trichlorofluoromethane	1.878	101	5581	0.355	ppbv		99
13) Ethanol	1.719	45	103305	36.217	ppbv		100
15) Acetone	1.842	43	193426m	12.696	ppbv		
19) Isopropyl Alcohol	1.887	45	10103	1.065	ppbv	#	1
20) Methylene Chloride	2.062	84	3972	0.660	ppbv	#	86
26) Hexane	2.826	57	47767	2.744	ppbv	#	41
30) Cyclohexane	3.855	84	5306	0.349	ppbv	#	91
34) 2-Butanone	2.557	43	13607	0.612	ppbv		97
35) Carbon Tetrachloride	3.764	117	2179	0.092	ppbv	#	93
36) Benzene	3.654	78	16826	0.540	ppbv		94
44) 2,2,4-Trimethylpentane	4.638	57	25124	0.478	ppbv	#	83
53) Toluene	6.933	91	33445	0.904	ppbv		96
58) Ethyl Benzene	9.351	91	7473	0.153	ppbv		99
59) m/p-Xylene	9.532	91	23381m	0.602	ppbv		
60) o-Xylene	9.959	91	9569	0.249	ppbv		100
74) 1,2,4-Trimethylbenzene	11.532	105	6570	0.151	ppbv	#	54
79) Naphthalene	13.513	128	12262	0.269	ppbv		97

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

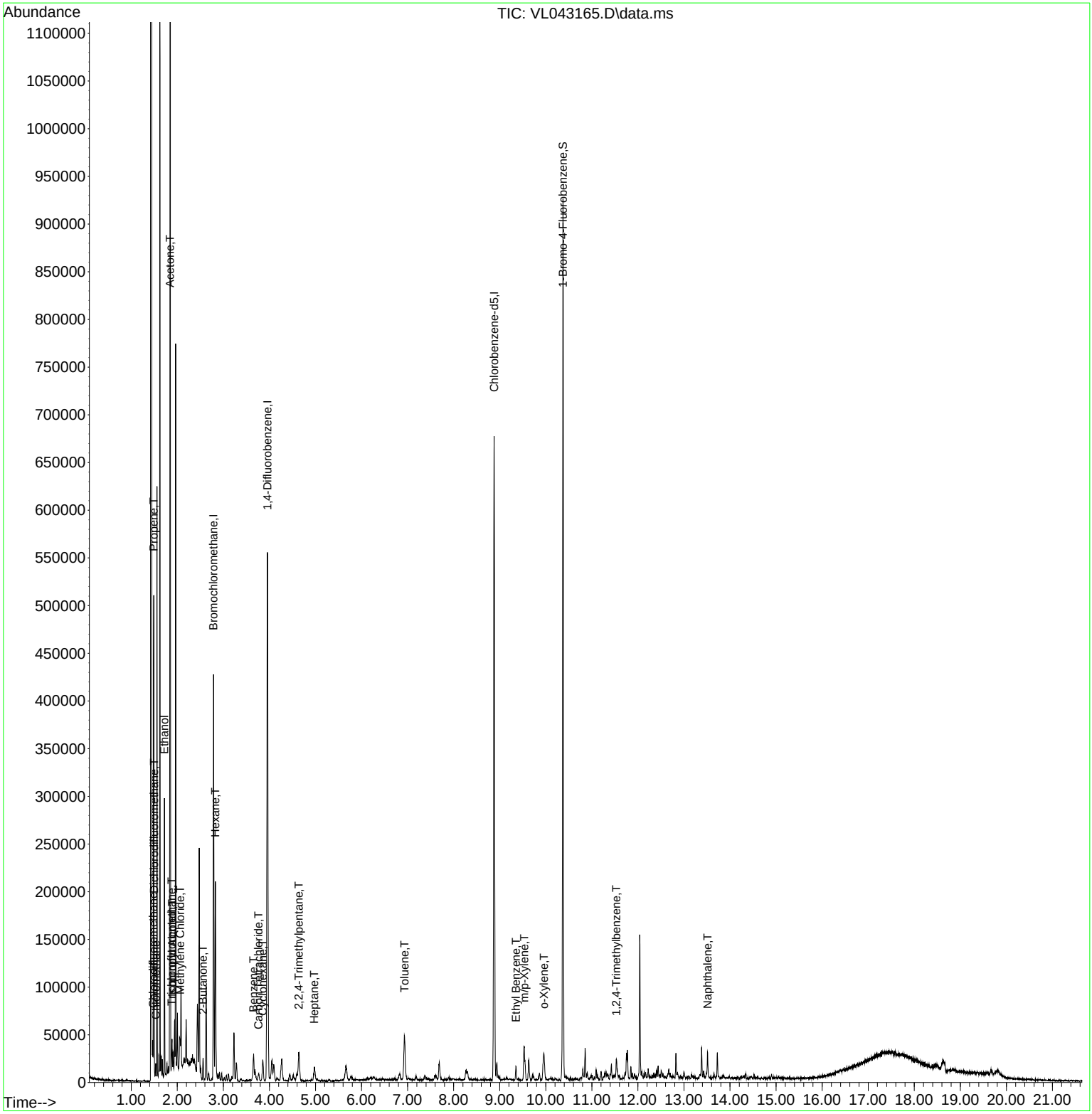
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043165.D
Acq On : 06 Nov 2025 13:50
Operator : SY/MD
Sample : Q3557-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

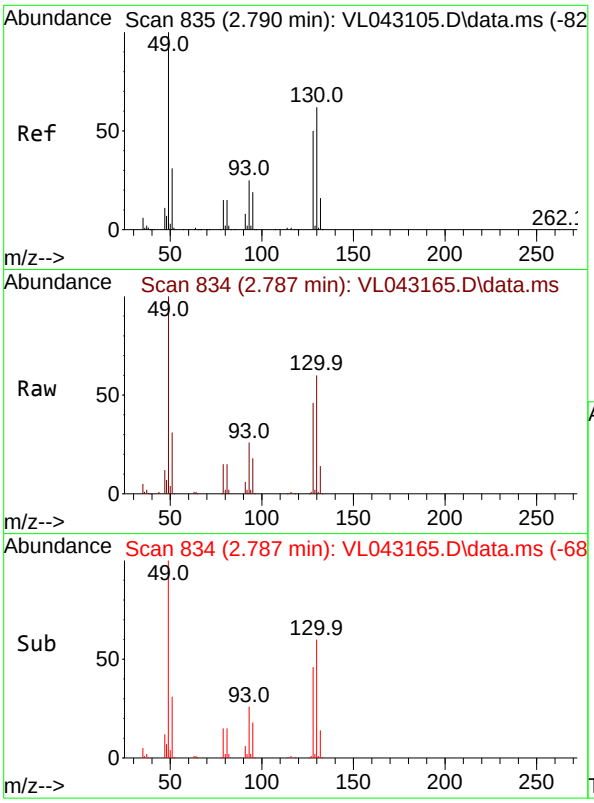
Quant Time: Nov 07 00:22:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

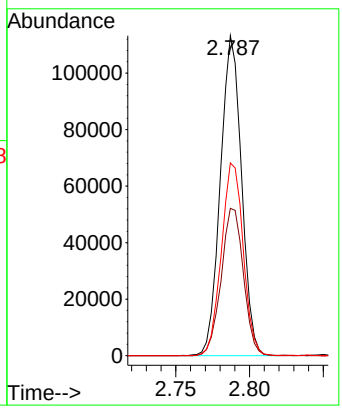




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 49 Resp: 11303

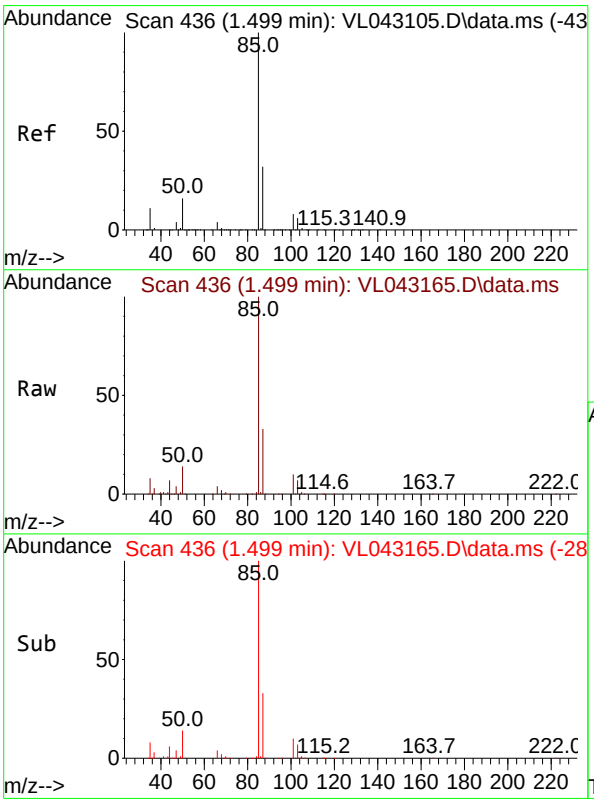
Ion	Ratio	Lower	Upper
49	100		
128	48.3	24.4	73.4
130	62.3	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Manual Integrations
APPROVED

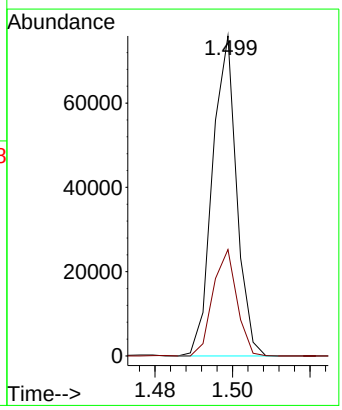
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

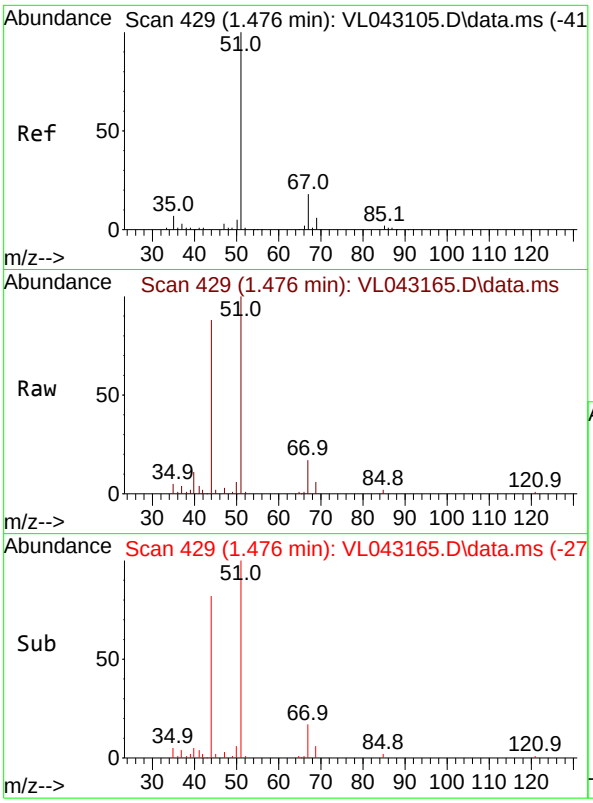


#2
Dichlorodifluoromethane
Concen: 2.048 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 85 Resp: 32908

Ion	Ratio	Lower	Upper
85	100		
87	33.3	25.3	37.9

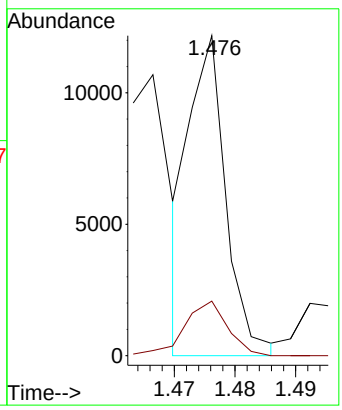




#3
Chlorodifluoromethane
Concen: 0.295 ppbv m
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 51 Resp: 513

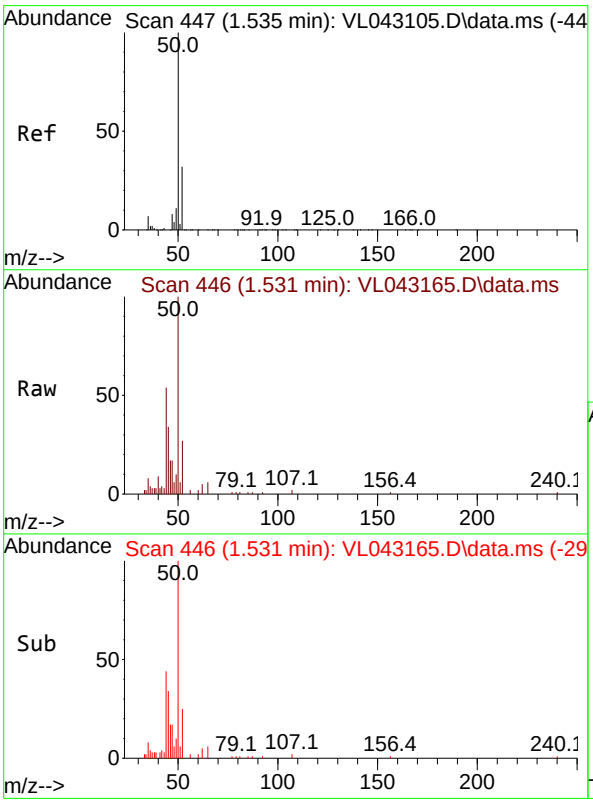
Ion	Ratio	Lower	Upper
51	100		
67	21.1	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Manual Integrations
APPROVED

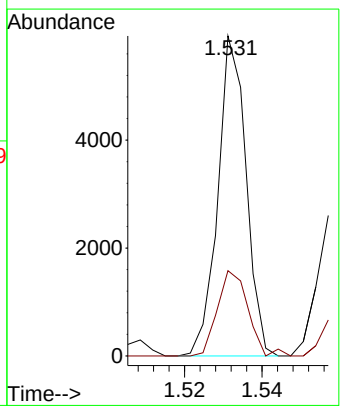
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

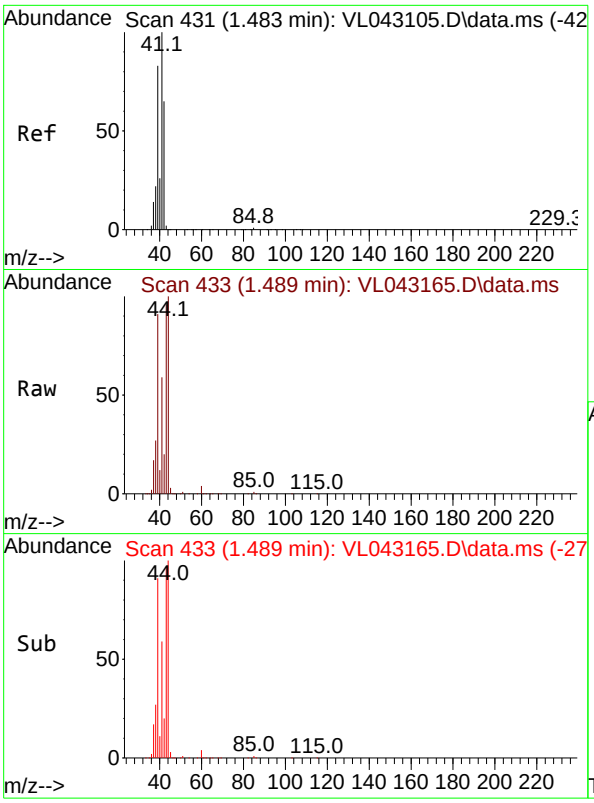


#4
Chloromethane
Concen: 0.471 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 50 Resp: 2999

Ion	Ratio	Lower	Upper
50	100		
52	26.6	25.2	37.8

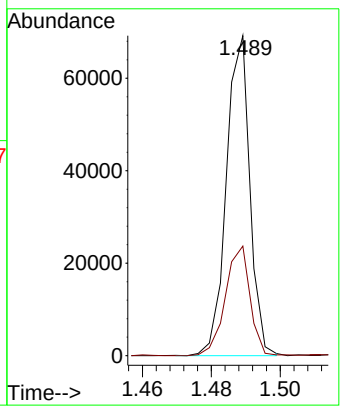




#9
Propene
Concen: 4.244 ppbv m
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 41 Resp: 3272

Ion	Ratio	Lower	Upper
41	100		
42	137.1	55.1	82.7#



Instrument :
MSVOA_L
ClientSampleId :
141-IA2

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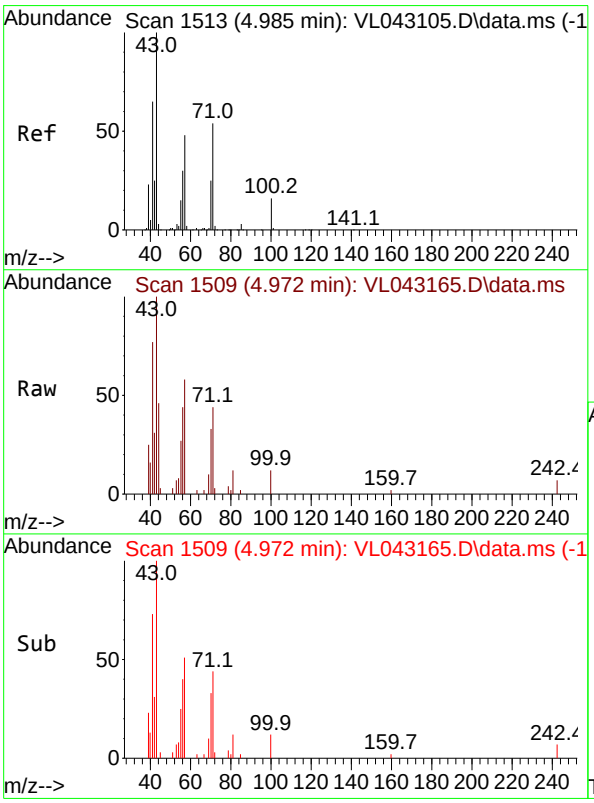
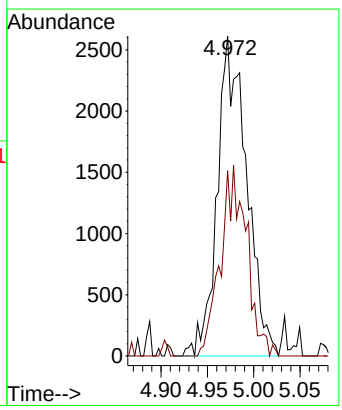
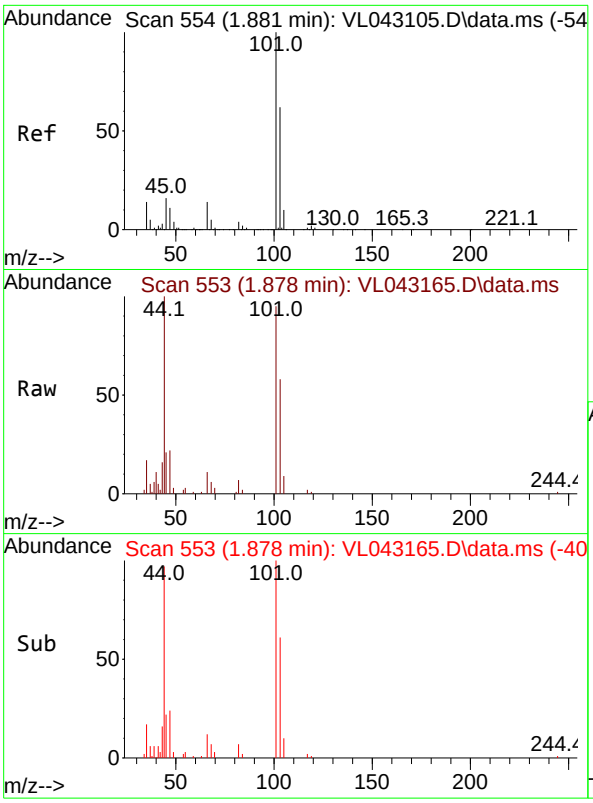


#10
Heptane
Concen: 0.259 ppbv m
RT: 4.972 min Scan# 1509
Delta R.T. -0.013 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 43 Resp: 5746

Ion	Ratio	Lower	Upper
43	100		
57	53.1	40.8	61.2

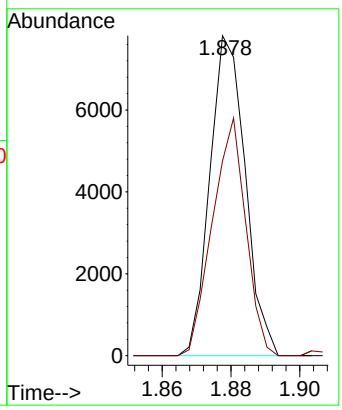




#11
Trichlorofluoromethane
Concen: 0.355 ppbv
RT: 1.878 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:101 Resp: 558

Ion	Ratio	Lower	Upper
101	100		
103	60.8	49.3	73.9



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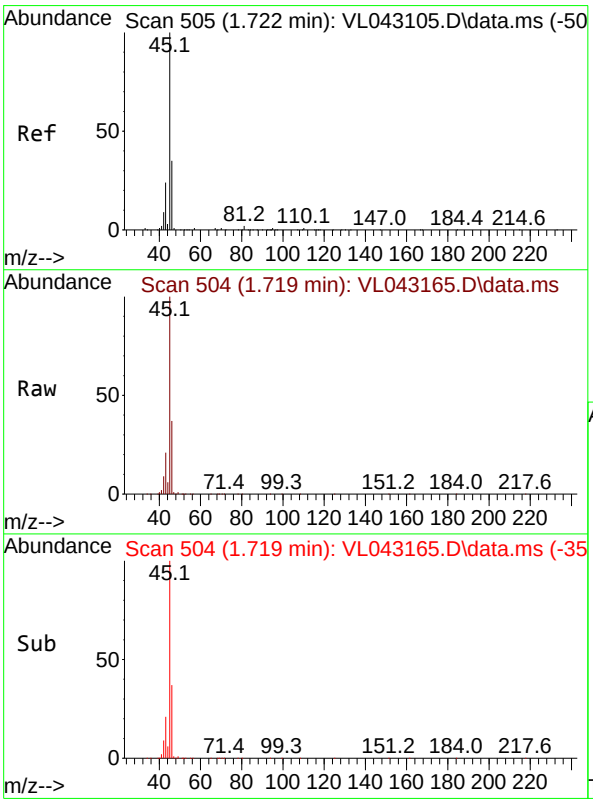
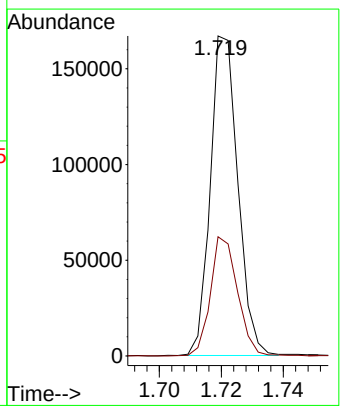
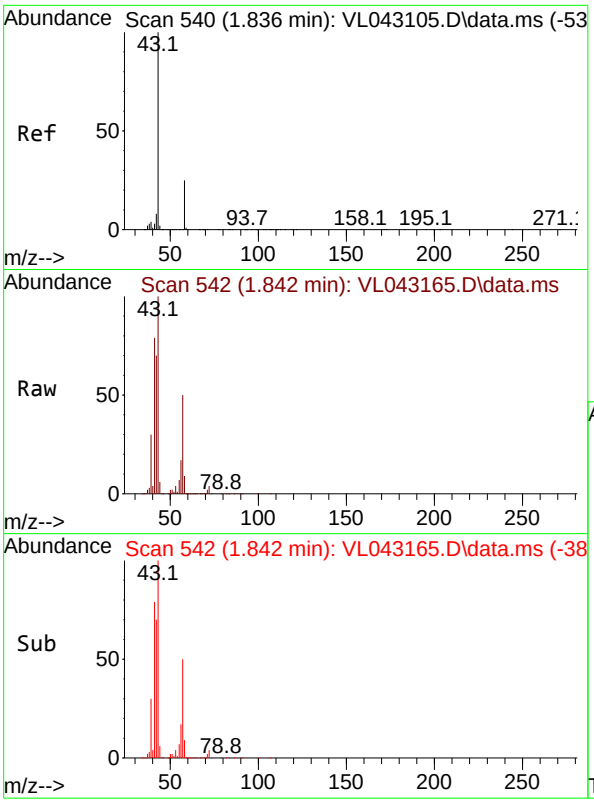


#13
Ethanol
Concen: 36.217 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 45 Resp: 103305

Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.7	58.9

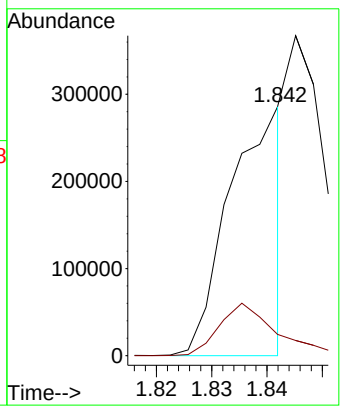




#15
Acetone
Concen: 12.696 ppbv m
RT: 1.842 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 43 Resp: 19342

Ion	Ratio	Lower	Upper
43	100		
58	22.5	20.8	31.2



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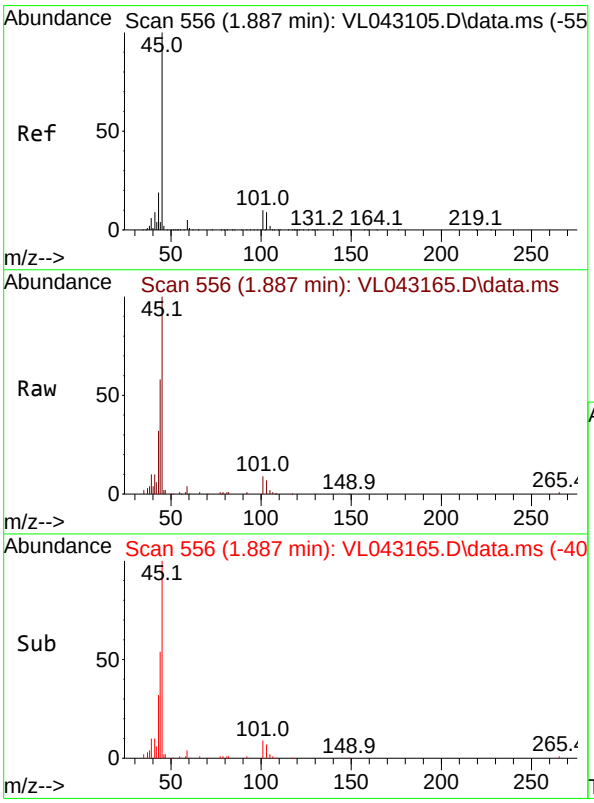
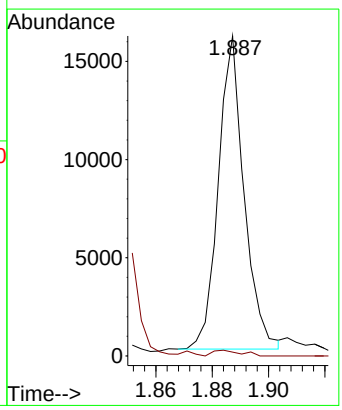
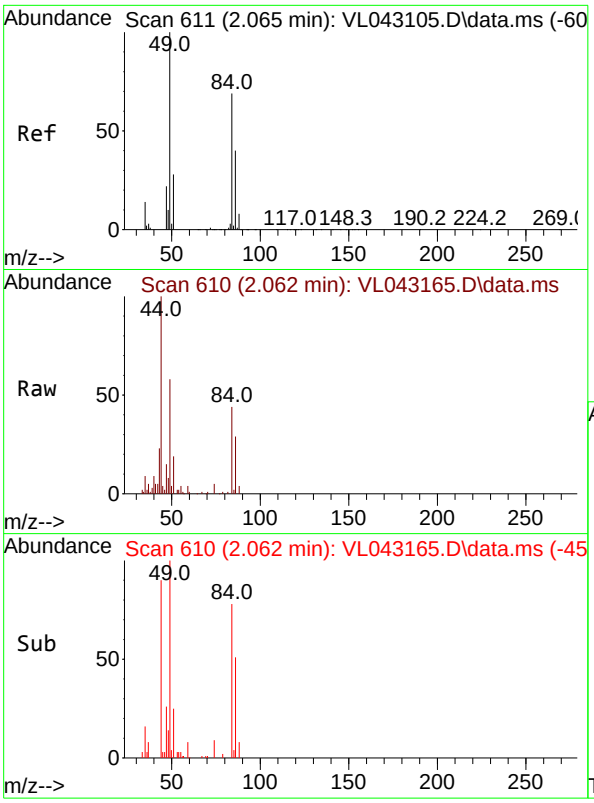


#19
Isopropyl Alcohol
Concen: 1.065 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 45 Resp: 10103

Ion	Ratio	Lower	Upper
45	100		
58	432.0	31.3	46.9#

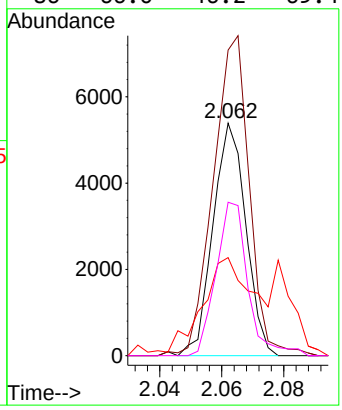




#20
Methylene Chloride
Concen: 0.660 ppbv
RT: 2.062 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 84 Resp: 397

Ion	Ratio	Lower	Upper
84	100		
49	130.2	116.6	175.0
51	27.8	34.8	52.2#
86	66.0	46.2	69.4



Instrument :
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ClientSampleId :
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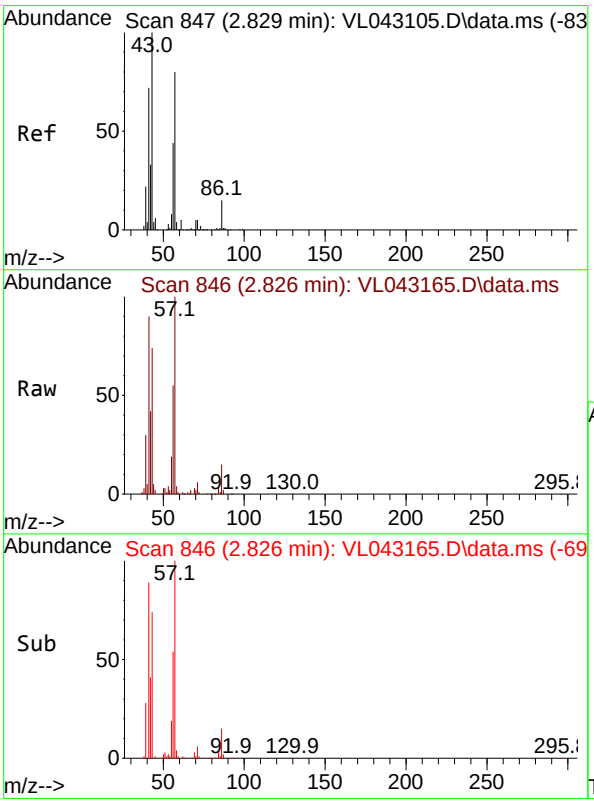
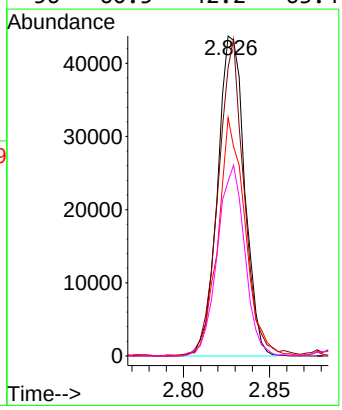
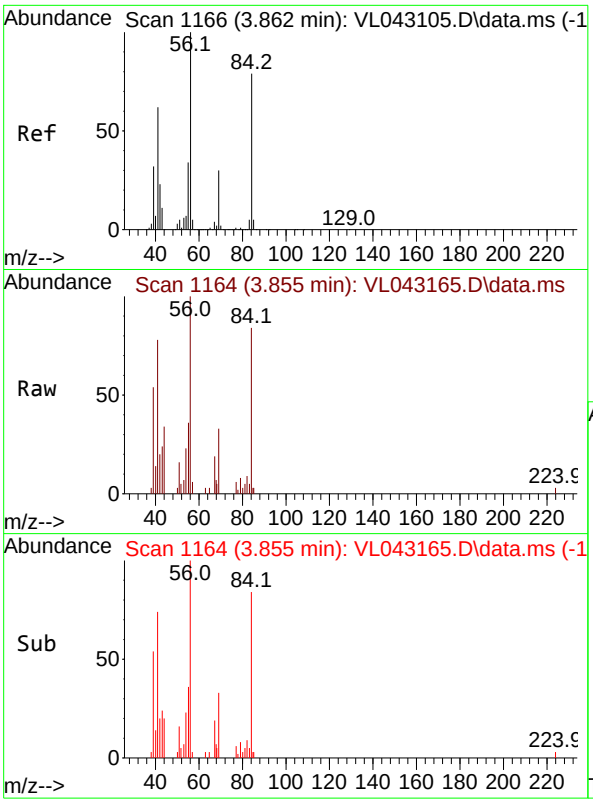


#26
Hexane
Concen: 2.744 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 57 Resp: 47767

Ion	Ratio	Lower	Upper
57	100		
41	95.1	71.4	107.0
43	75.9	178.5	267.7#
56	60.5	42.2	63.4

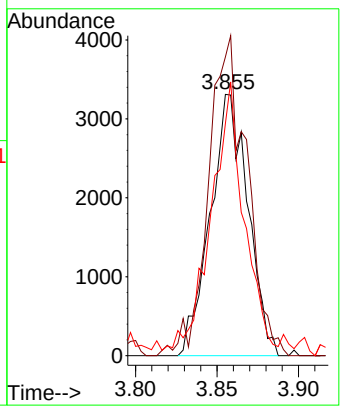




#30
Cyclohexane
Concen: 0.349 ppbv
RT: 3.855 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 84 Resp: 530

Ion	Ratio	Lower	Upper
84	100		
56	124.3	100.9	151.3
41	98.4	63.8	95.6



Instrument :
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ClientSampleId :
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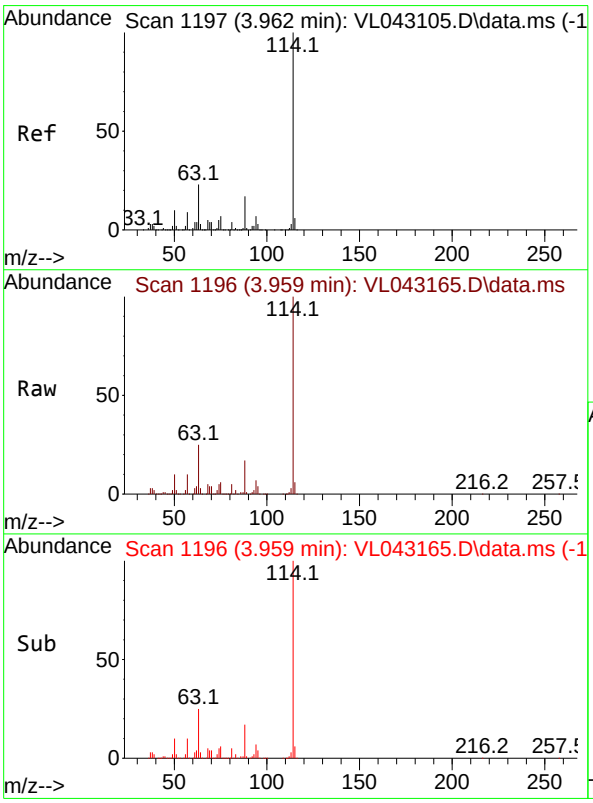
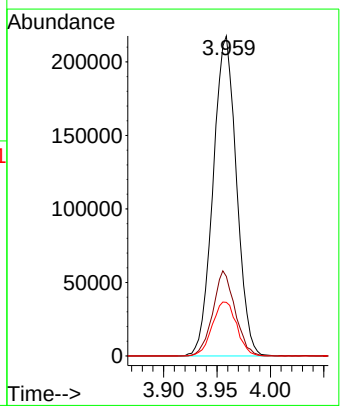
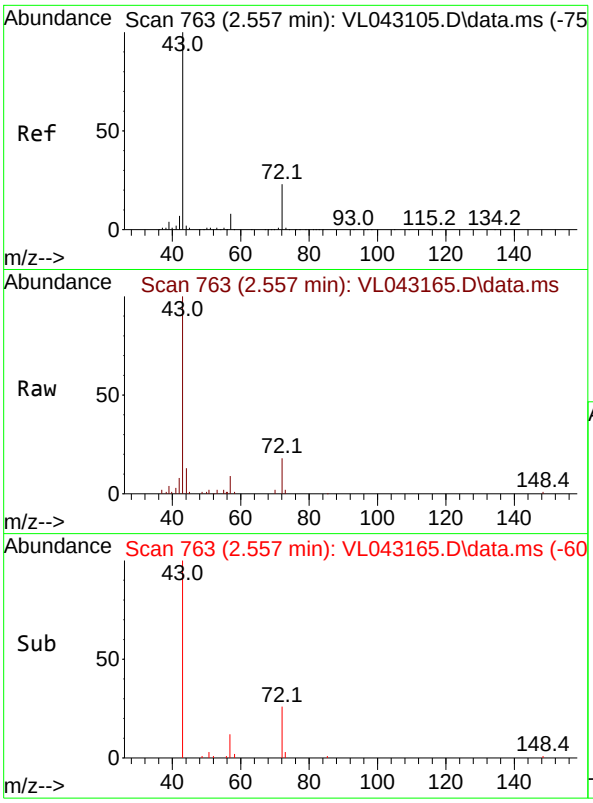


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:114 Resp: 330913

Ion	Ratio	Lower	Upper
114	100		
63	25.4	19.3	28.9
88	17.7	13.9	20.9





#34
2-Butanone
Concen: 0.612 ppbv
RT: 2.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 43 Resp: 1360

Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.4	27.6

Instrument :
MSVOA_L
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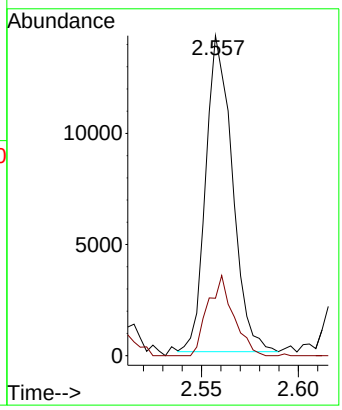
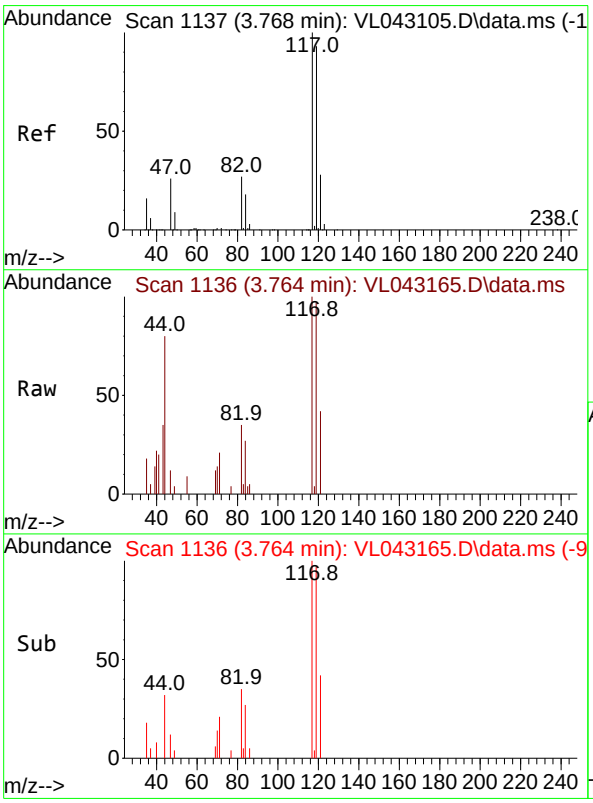
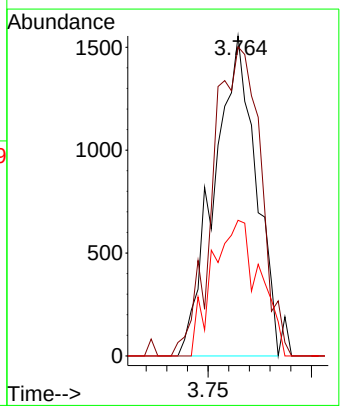


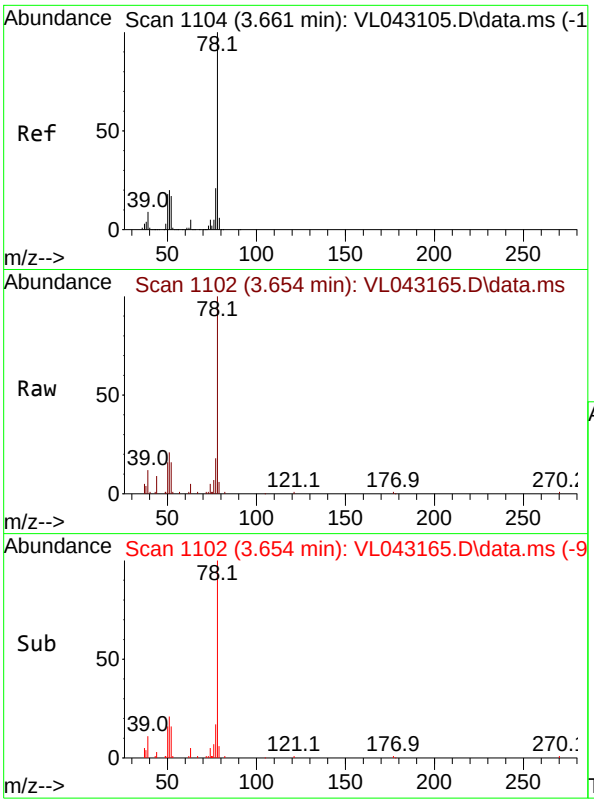


#35
Carbon Tetrachloride
Concen: 0.092 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:117 Resp: 2179

Ion	Ratio	Lower	Upper
117	100		
119	92.4	74.1	111.1
121	42.4	22.2	33.2#

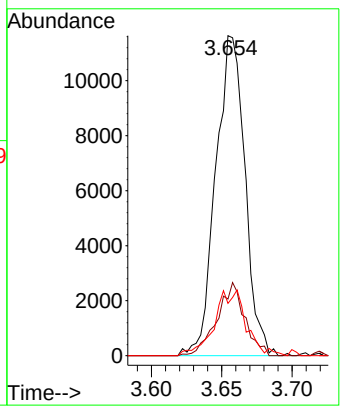




#36
Benzene
Concen: 0.540 ppbv
RT: 3.654 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 78 Resp: 1682

Ion	Ratio	Lower	Upper
78	100		
77	17.7	17.0	25.6
50	16.3	14.6	22.0



Instrument :
MSVOA_L
ClientSampleId :
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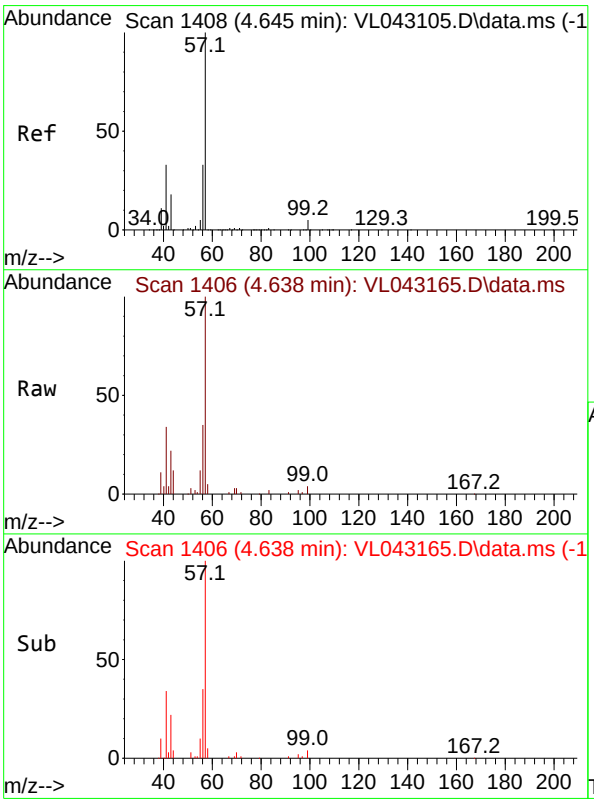
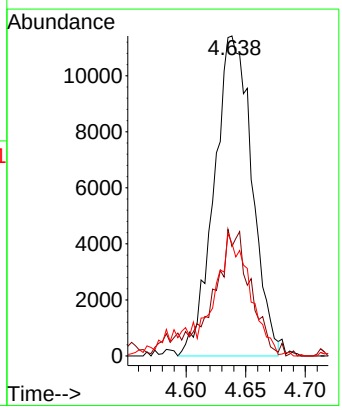
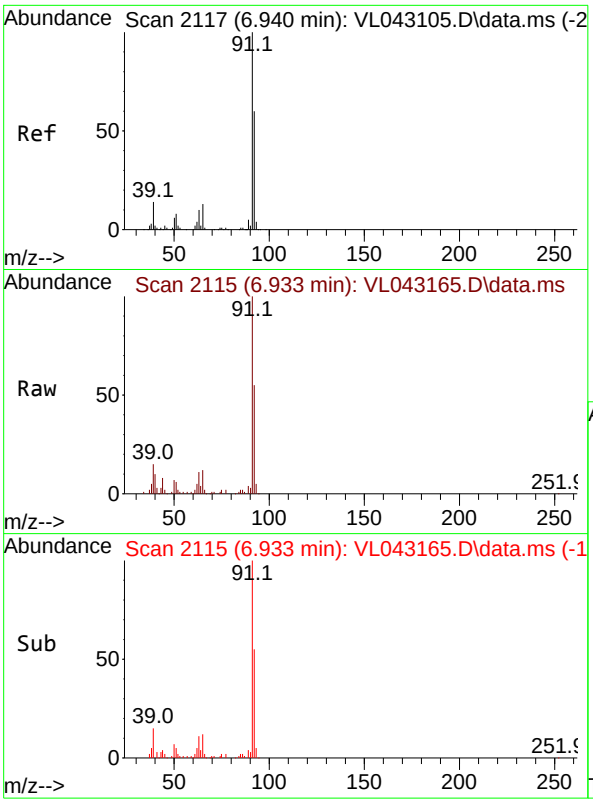


#44
2,2,4-Trimethylpentane
Concen: 0.478 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 57 Resp: 25124

Ion	Ratio	Lower	Upper
57	100		
41	42.1	26.3	39.5#
56	42.2	25.9	38.9#

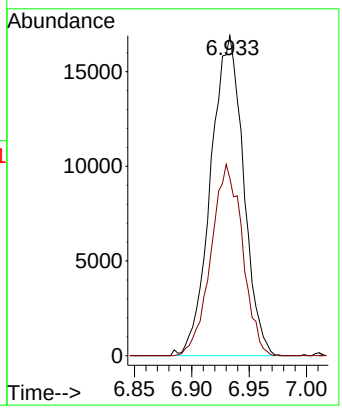




#53
Toluene
Concen: 0.904 ppbv
RT: 6.933 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 91 Resp: 3344

Ion	Ratio	Lower	Upper
91	100		
92	57.6	48.8	73.2



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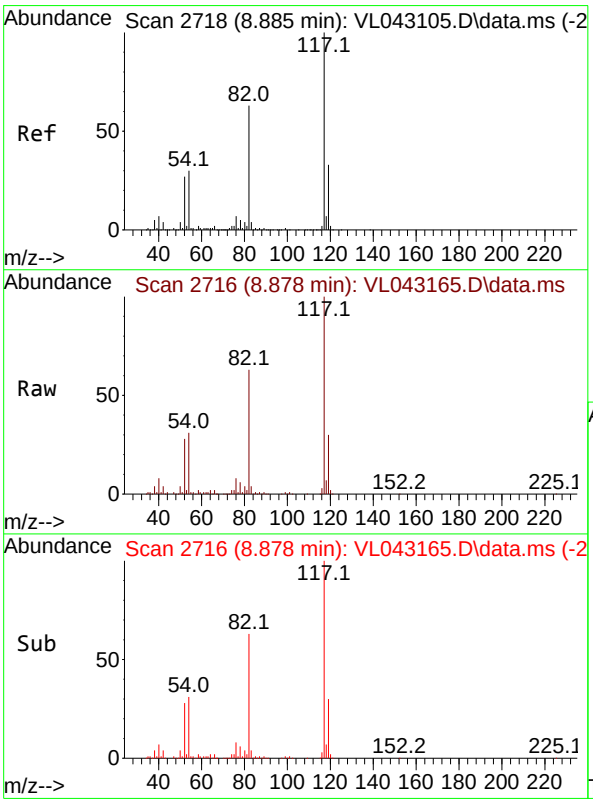
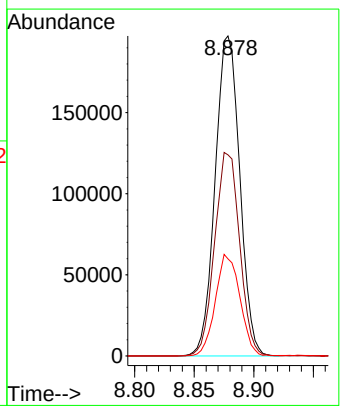
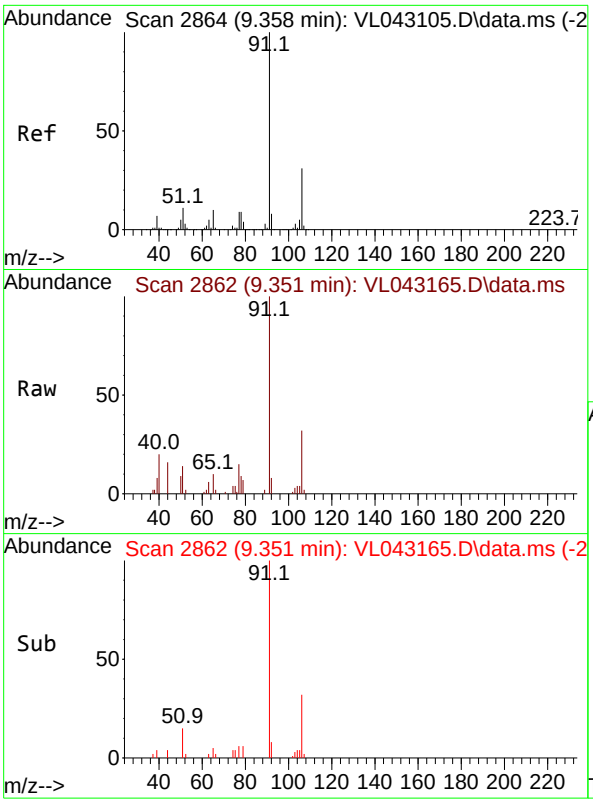


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:117 Resp: 283774

Ion	Ratio	Lower	Upper
117	100		
82	64.5	53.8	80.8
119	31.8	25.4	38.0

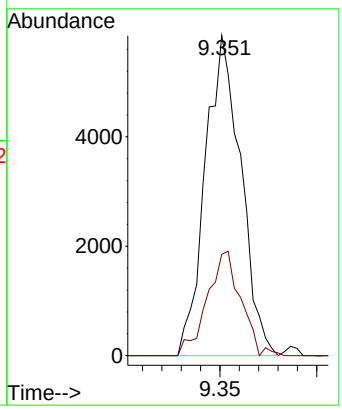




#58
Ethyl Benzene
Concen: 0.153 ppbv
RT: 9.351 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 91 Resp: 747

Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.8	37.2



Instrument :
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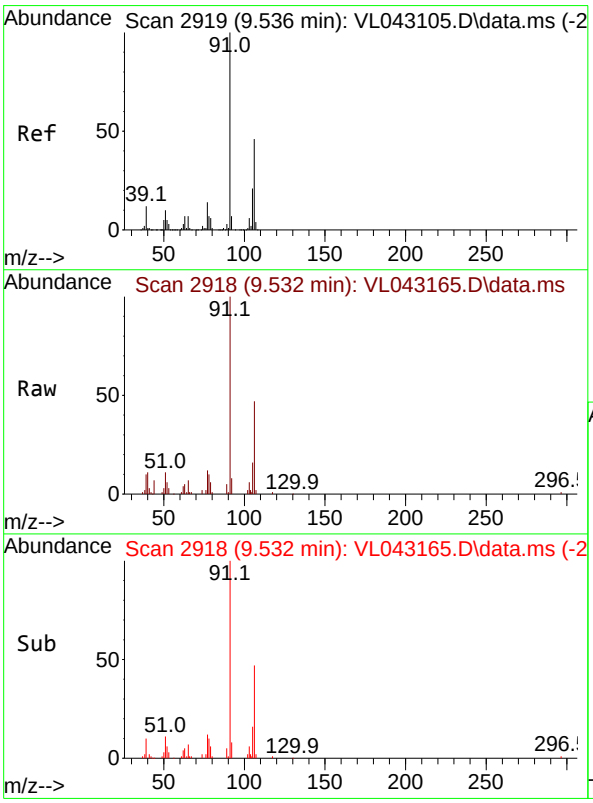
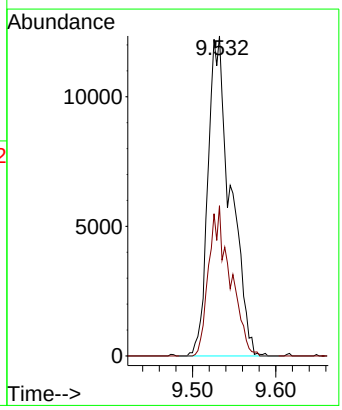
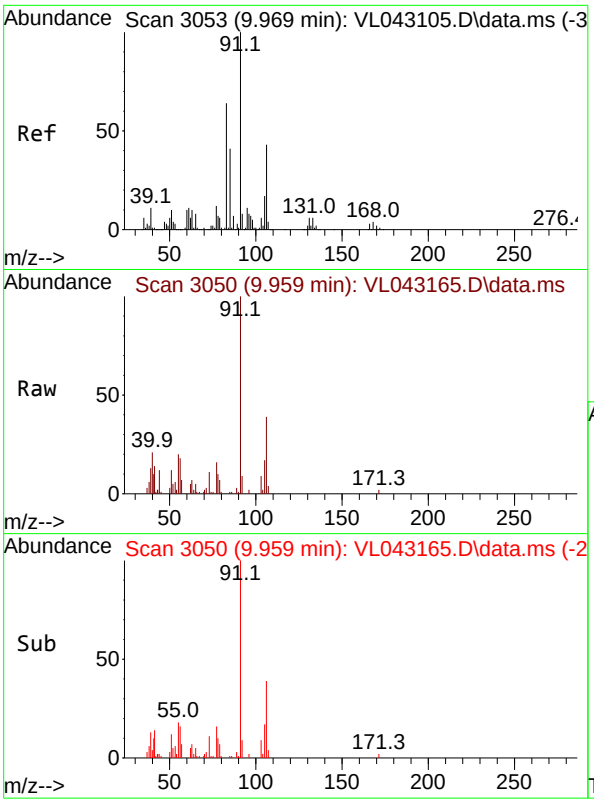


#59
m/p-Xylene
Concen: 0.602 ppbv m
RT: 9.532 min Scan# 2918
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 91 Resp: 23381

Ion	Ratio	Lower	Upper
91	100		
106	44.5	38.0	57.0

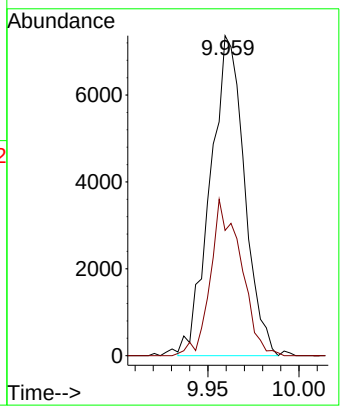




#60
o-Xylene
Concen: 0.249 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 91 Resp: 956

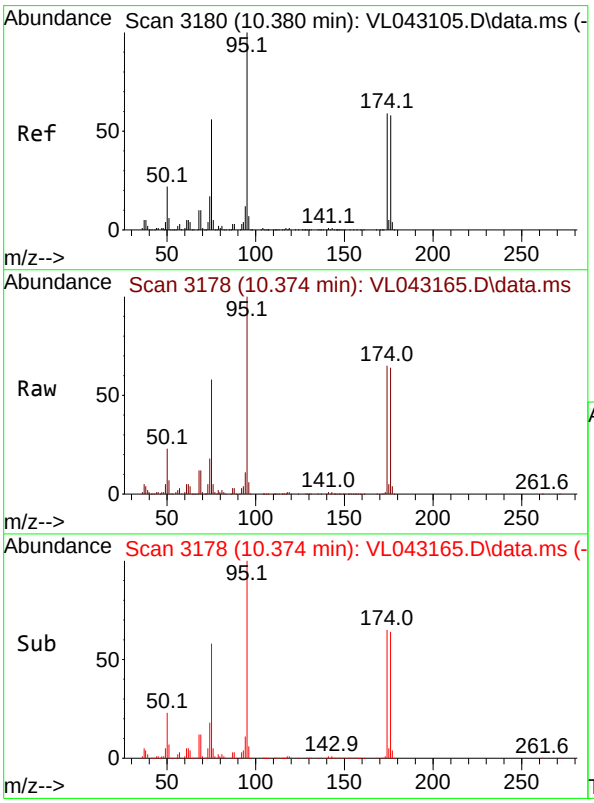
Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.9	65.8



Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Manual Integrations
APPROVED

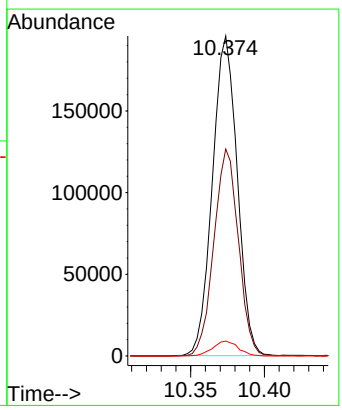
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

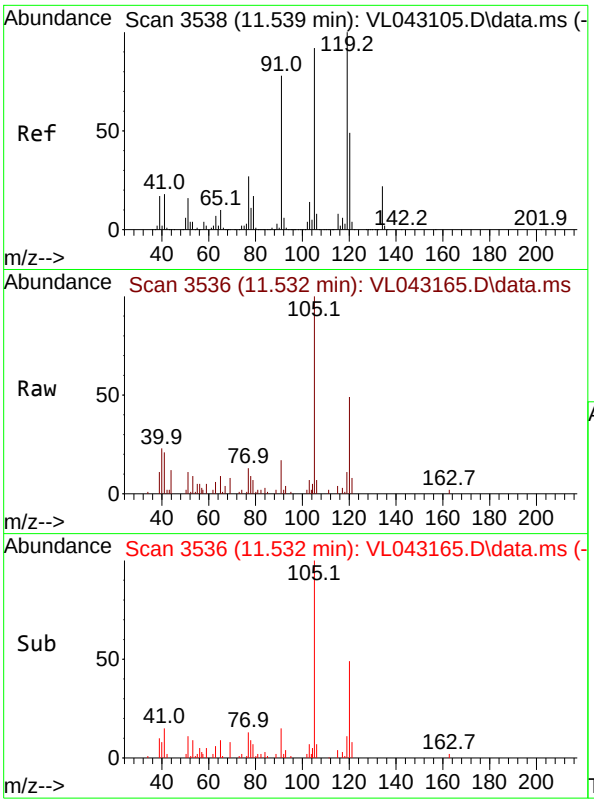


#68
1-Bromo-4-Fluorobenzene
Concen: 10.388 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 95 Resp: 229122

Ion	Ratio	Lower	Upper
95	100		
174	64.0	48.3	72.5
175	4.8	3.8	5.8

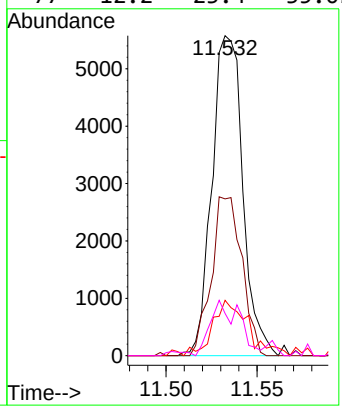




#74
1,2,4-Trimethylbenzene
Concen: 0.151 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:105 Resp: 657

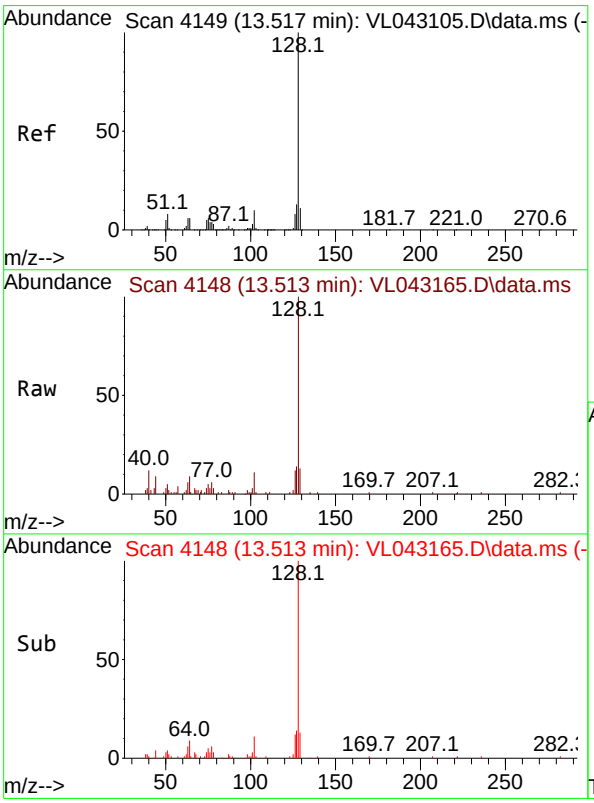
Ion	Ratio	Lower	Upper
105	100		
120	49.0	42.8	64.2
91	16.1	68.3	102.5#
77	12.2	23.4	35.0#



Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Manual Integrations
APPROVED

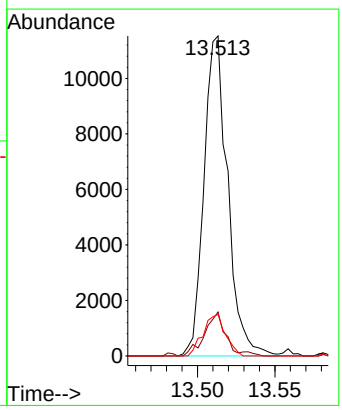
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#79
Naphthalene
Concen: 0.269 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:128 Resp: 12262

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	13.0	9.1	13.7



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-SG-1	SDG No.:	Q3557
Lab Sample ID:	Q3557-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	5.44		2	1.09	4.94	11/06/25 20:35	VL110625
74-87-3	Chloromethane	0.25	0.52	J	2	0.41	2.07	11/06/25 20:35	VL110625
75-01-4	Vinyl Chloride	0.050	0.13	U	2	0.13	0.15	11/06/25 20:35	VL110625
74-83-9	Bromomethane	0.15	0.58	U	2	0.58	3.88	11/06/25 20:35	VL110625
75-00-3	Chloroethane	0.30	0.79	U	2	0.79	2.64	11/06/25 20:35	VL110625
109-99-9	Tetrahydrofuran	0.16	0.47	U	2	0.47	2.95	11/06/25 20:35	VL110625
75-69-4	Trichlorofluoromethane	0.34	1.91	U	2	1.91	5.62	11/06/25 20:35	VL110625
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	U	2	2.15	7.66	11/06/25 20:35	VL110625
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	U	2	2.10	6.99	11/06/25 20:35	VL110625
75-65-0	tert-Butyl alcohol	0.32	0.97	U	2	0.97	3.03	11/06/25 20:35	VL110625
142-82-5	Heptane	0.34	1.39	U	2	1.39	4.10	11/06/25 20:35	VL110625
75-35-4	1,1-Dichloroethene	0.30	1.19	U	2	1.19	3.96	11/06/25 20:35	VL110625
67-64-1	Acetone	9.10	21.6		2	0.86	2.38	11/06/25 20:35	VL110625
75-15-0	Carbon Disulfide	0.16	0.50	U	2	0.50	3.11	11/06/25 20:35	VL110625
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	U	2	1.66	3.61	11/06/25 20:35	VL110625
75-09-2	Methylene Chloride	0.92	3.20	J	2	1.60	3.47	11/06/25 20:35	VL110625
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	U	2	0.95	3.96	11/06/25 20:35	VL110625
75-34-3	1,1-Dichloroethane	0.26	1.05	U	2	1.05	4.05	11/06/25 20:35	VL110625
110-82-7	Cyclohexane	0.44	1.51	U	2	1.51	3.44	11/06/25 20:35	VL110625
78-93-3	2-Butanone	0.99	2.92	J	2	0.32	2.95	11/06/25 20:35	VL110625
56-23-5	Carbon Tetrachloride	0.070	0.44		2	0.31	0.38	11/06/25 20:35	VL110625
156-59-2	cis-1,2-Dichloroethene	0.20	0.79	U	2	0.79	3.96	11/06/25 20:35	VL110625
67-66-3	Chloroform	0.72	3.52	J	2	0.93	4.88	11/06/25 20:35	VL110625
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	2	0.16	0.33	11/06/25 20:35	VL110625
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	U	2	1.31	4.67	11/06/25 20:35	VL110625
71-43-2	Benzene	0.16	0.51	U	2	0.51	3.19	11/06/25 20:35	VL110625
107-06-2	1,2-Dichloroethane	0.19	0.77	U	2	0.77	4.05	11/06/25 20:35	VL110625
79-01-6	Trichloroethene	0.050	0.27	U	2	0.27	0.32	11/06/25 20:35	VL110625
78-87-5	1,2-Dichloropropane	0.26	1.20	U	2	1.20	4.62	11/06/25 20:35	VL110625
75-27-4	Bromodichloromethane	0.13	0.87	U	2	0.87	6.70	11/06/25 20:35	VL110625
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	2	0.78	4.10	11/06/25 20:35	VL110625
108-88-3	Toluene	0.32	1.21	U	2	1.21	3.77	11/06/25 20:35	VL110625
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	U	2	1.36	4.54	11/06/25 20:35	VL110625
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	U	2	1.00	4.54	11/06/25 20:35	VL110625
79-00-5	1,1,2-Trichloroethane	0.16	0.87	U	2	0.87	5.46	11/06/25 20:35	VL110625
124-48-1	Dibromochloromethane	0.17	1.45	U	2	1.45	8.52	11/06/25 20:35	VL110625
106-93-4	1,2-Dibromoethane	0.17	1.31	U	2	1.31	1.54	11/06/25 20:35	VL110625
127-18-4	Tetrachloroethene	0.030	0.20	U	2	0.20	0.41	11/06/25 20:35	VL110625
108-90-7	Chlorobenzene	0.15	0.69	U	2	0.69	4.61	11/06/25 20:35	VL110625
100-41-4	Ethyl Benzene	0.38	1.65	U	2	1.65	4.34	11/06/25 20:35	VL110625
179601-23-1	m/p-Xylene	0.82	3.56	U	2	3.56	8.69	11/06/25 20:35	VL110625
95-47-6	o-Xylene	0.42	1.82	U	2	1.82	4.34	11/06/25 20:35	VL110625
100-42-5	Styrene	0.32	1.36	U	2	1.36	4.26	11/06/25 20:35	VL110625
75-25-2	Bromoform	0.10	1.03	U	2	1.03	10.3	11/06/25 20:35	VL110625
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	2	0.27	0.41	11/06/25 20:35	VL110625
95-49-8	2-Chlorotoluene	0.34	1.76	U	2	1.76	5.18	11/06/25 20:35	VL110625

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-SG-1	SDG No.:	Q3557
Lab Sample ID:	Q3557-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92		11/06/25 20:35	VL110625
95-63-6	1,2,4-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92		11/06/25 20:35	VL110625
541-73-1	1,3-Dichlorobenzene	0.11	0.66	U	2	0.66	6.01		11/06/25 20:35	VL110625
106-46-7	1,4-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01		11/06/25 20:35	VL110625
95-50-1	1,2-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01		11/06/25 20:35	VL110625
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	U	2	3.12	7.42		11/06/25 20:35	VL110625
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	U	2	2.77	10.7		11/06/25 20:35	VL110625
106-99-0	1,3-Butadiene	0.10	0.22	U	2	0.22	2.21		11/06/25 20:35	VL110625
91-20-3	Naphthalene	0.030	0.16	U	2	0.16	1.05		11/06/25 20:35	VL110625
622-96-8	4-Ethyltoluene	0.42	2.06	U	2	2.06	4.92		11/06/25 20:35	VL110625
110-54-3	Hexane	0.56	1.97	J	2	1.13	3.52		11/06/25 20:35	VL110625
107-05-1	Allyl Chloride	0.22	0.69	U	2	0.69	3.13		11/06/25 20:35	VL110625
123-91-1	1,4-Dioxane	0.44	1.59	U	2	1.59	3.60		11/06/25 20:35	VL110625
80-62-6	Methyl Methacrylate	0.28	1.15	U	2	1.15	4.09		11/06/25 20:35	VL110625
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	9.90				70 (65) - 130	99%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	131000								
540-36-3	1,4-Difluorobenzene	365000								
3114-55-4	Chlorobenzene-d5	304000								

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\VL110625\
Data File : VL043177.D
Acq On : 06 Nov 2025 20:35
Operator : SY/MD
Sample : Q3557-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	130758	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.949	114	364794	10.000	ppbv		-0.01
55) Chlorobenzene-d5	8.872	117	304142	10.000	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	234974	9.940	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	9913	0.533	ppbv		92
4) Chloromethane	1.531	50	914	0.124	ppbv	#	72
9) Propene	1.486	41	5549	0.622	ppbv		86
11) Trichlorofluoromethane	1.878	101	2531m	0.139	ppbv		
13) Ethanol	1.719	45	28888	8.755	ppbv		99
15) Acetone	1.832	43	79867	4.532	ppbv		99
19) Isopropyl Alcohol	1.884	45	8294	0.756	ppbv	#	1
20) Methylene Chloride	2.062	84	3197	0.459	ppbv	#	79
26) Hexane	2.823	57	5600	0.278	ppbv	#	39
29) Chloroform	2.846	83	10548	0.361	ppbv		93
34) 2-Butanone	2.554	43	12160	0.496	ppbv		94
35) Carbon Tetrachloride	3.758	117	931m	0.035	ppbv		
53) Toluene	6.924	91	5111m	0.125	ppbv		

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

Quantitation Report (QT Reviewed)

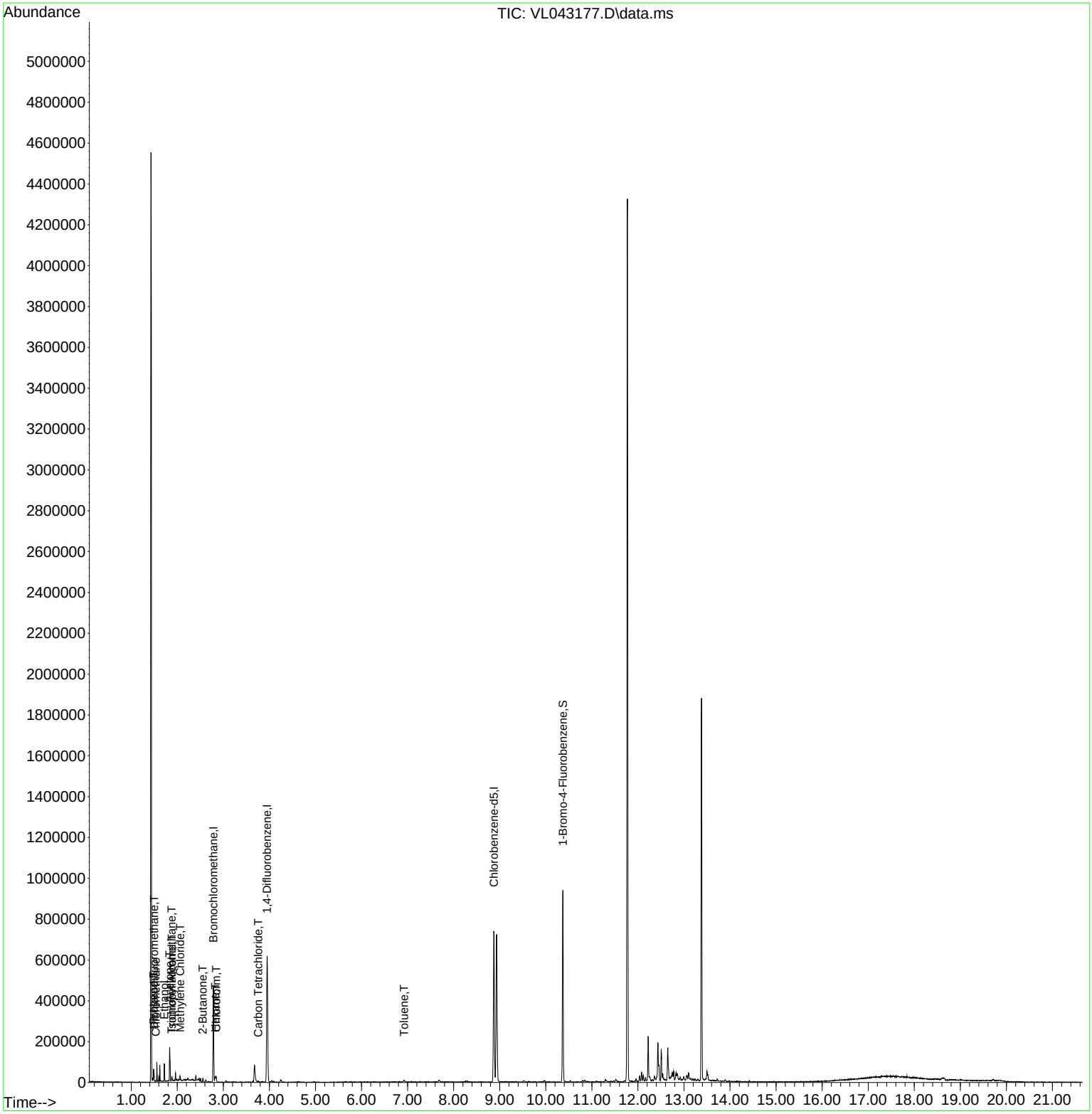
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043177.D
Acq On : 06 Nov 2025 20:35
Operator : SY/MD
Sample : Q3557-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

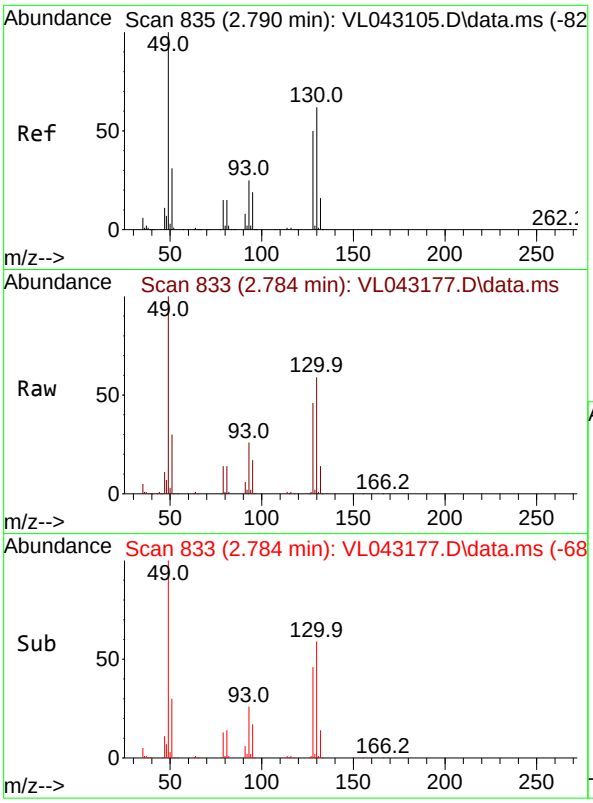
Quant Time: Nov 07 00:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

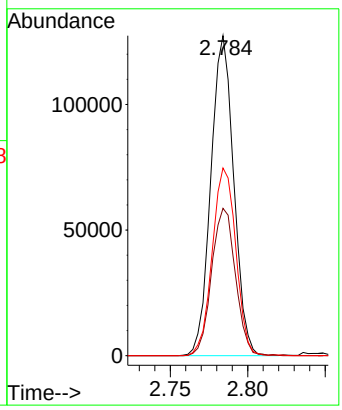




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 49 Resp: 13075

Ion	Ratio	Lower	Upper
49	100		
128	47.9	24.4	73.4
130	60.5	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations
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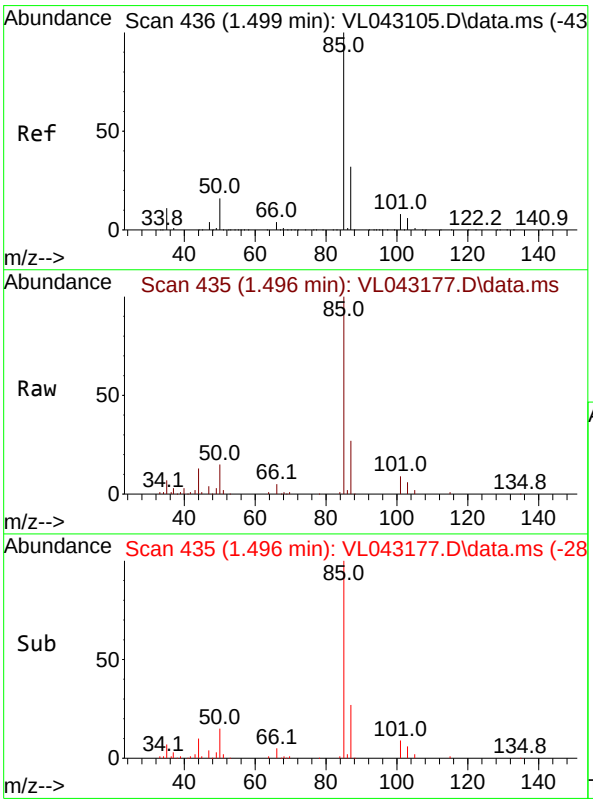
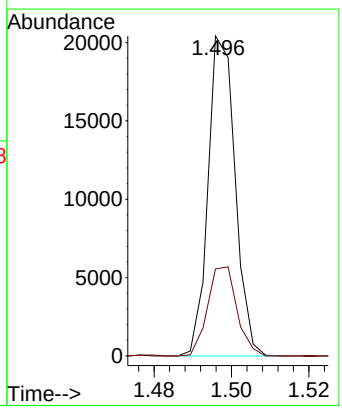
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

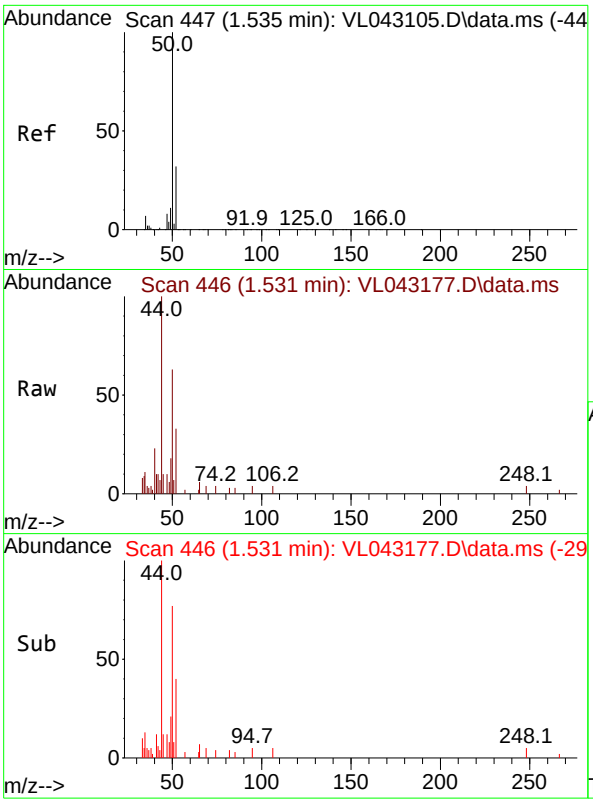


#2
Dichlorodifluoromethane
Concen: 0.533 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 85 Resp: 9913

Ion	Ratio	Lower	Upper
85	100		
87	27.2	25.3	37.9

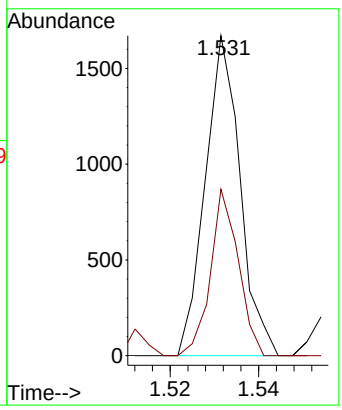




#4
Chloromethane
Concen: 0.124 ppbv
RT: 1.531 min Scan# 44
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 50 Resp: 914

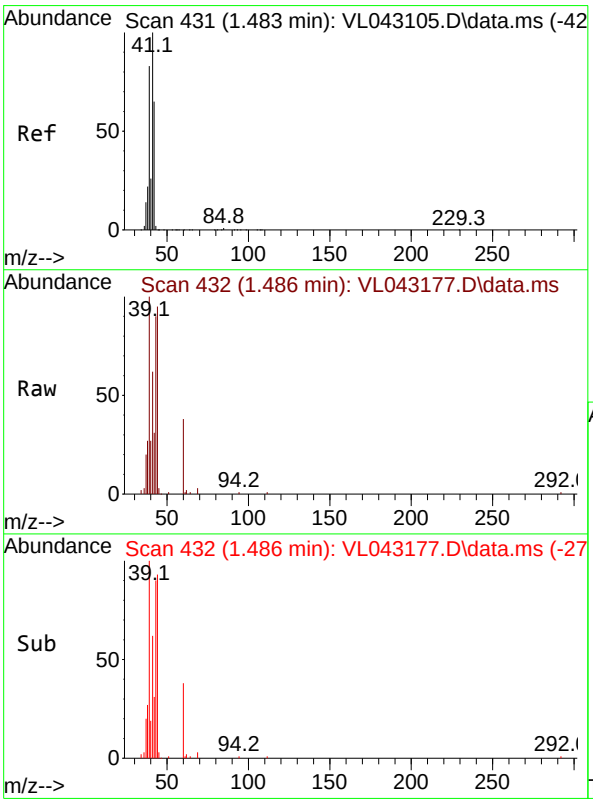
Ion	Ratio	Lower	Upper
50	100		
52	46.8	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations
APPROVED

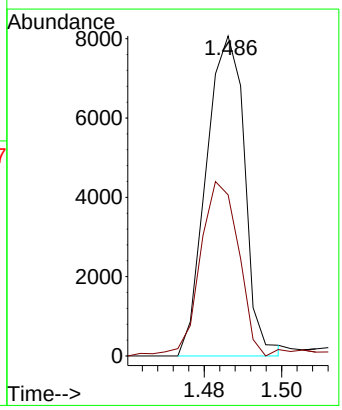
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

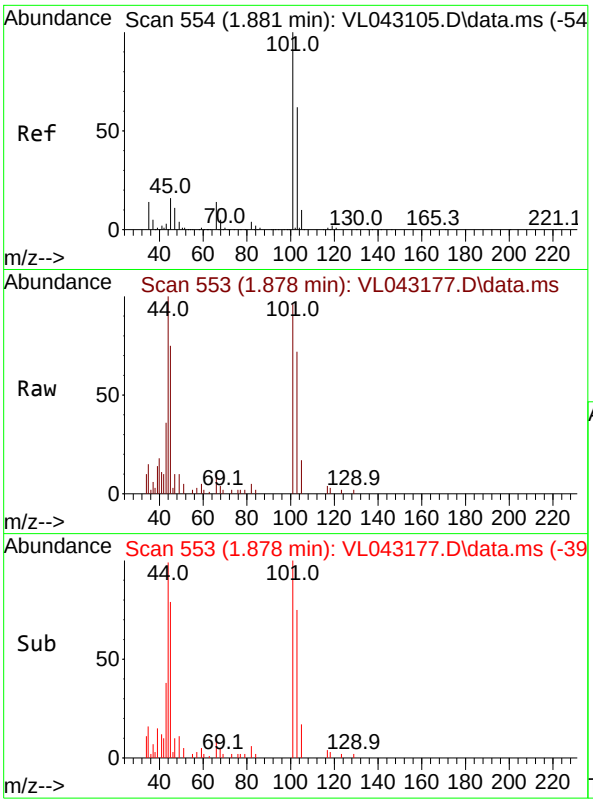


#9
Propene
Concen: 0.622 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 41 Resp: 5549

Ion	Ratio	Lower	Upper
41	100		
42	57.3	55.1	82.7





#11
Trichlorofluoromethane
Concen: 0.139 ppbv m
RT: 1.878 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:101 Resp: 253

Ion	Ratio	Lower	Upper
101	100		
103	75.4	49.3	73.9#

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations
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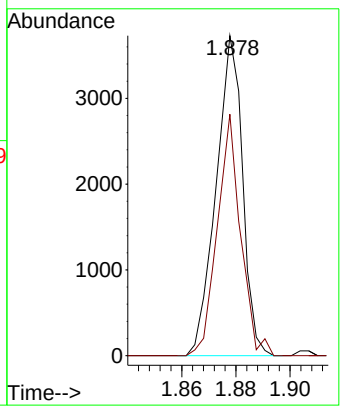
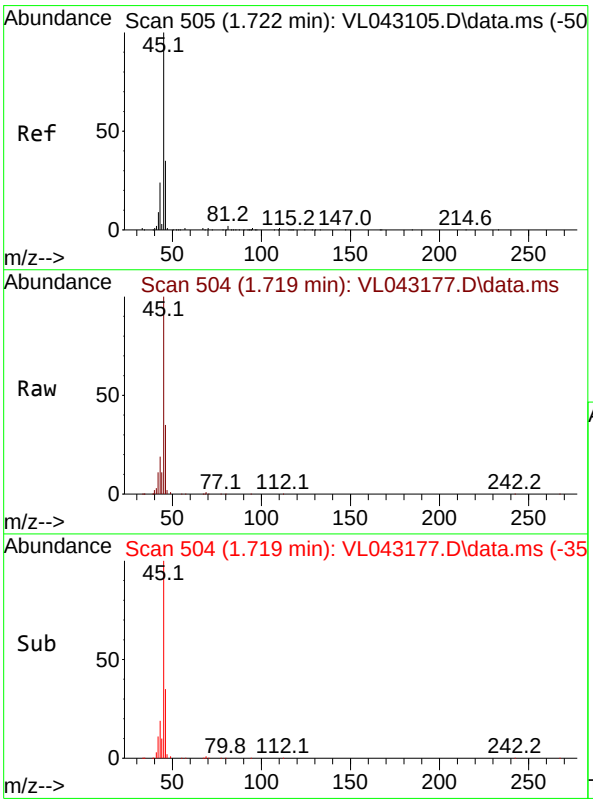
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

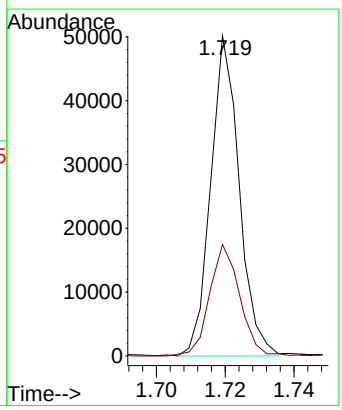


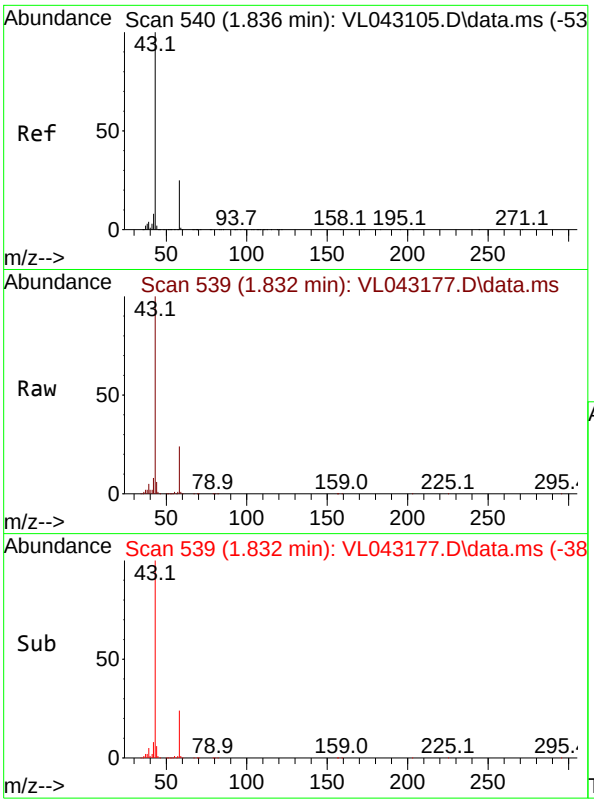


#13
Ethanol
Concen: 8.755 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 45 Resp: 28888

Ion	Ratio	Lower	Upper
45	100		
46	37.4	14.7	58.9

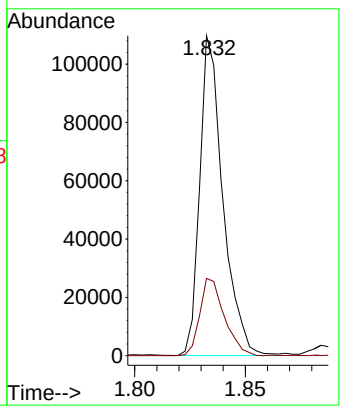




#15
Acetone
Concen: 4.532 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 43 Resp: 7986

Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.8	31.2



Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations
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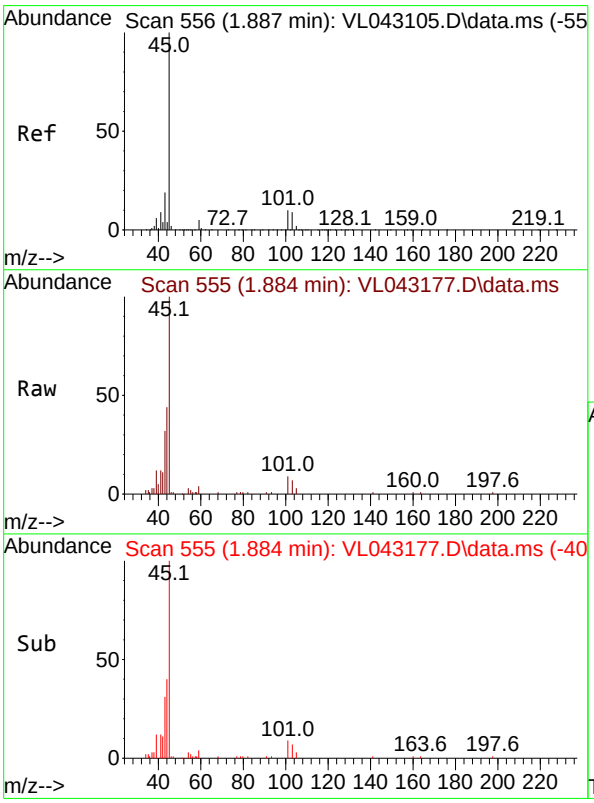
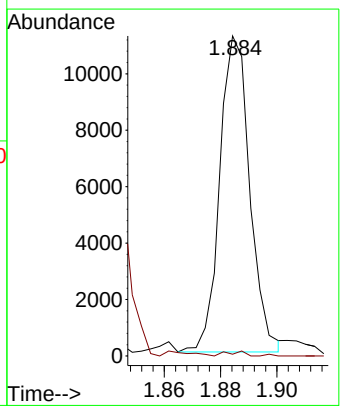
Supervised By :Mahesh Dadoda 11/10/2025

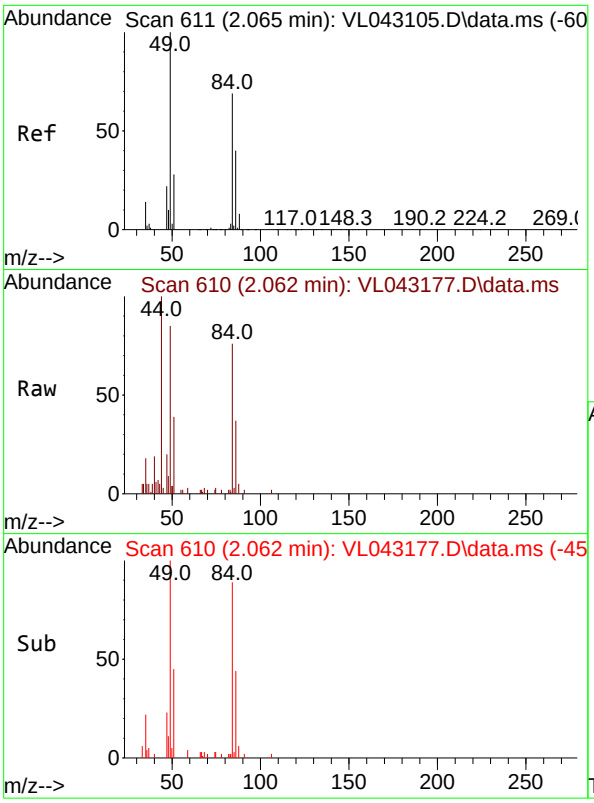


#19
Isopropyl Alcohol
Concen: 0.756 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 45 Resp: 8294

Ion	Ratio	Lower	Upper
45	100		
58	248.3	31.3	46.9#

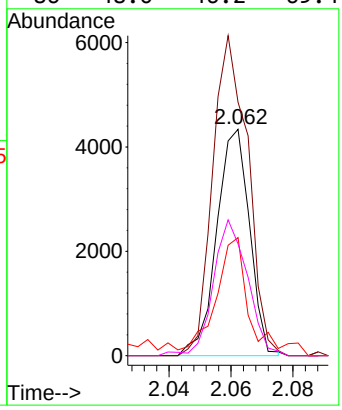




#20
Methylene Chloride
Concen: 0.459 ppbv
RT: 2.062 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 84 Resp: 319

Ion	Ratio	Lower	Upper
84	100		
49	111.9	116.6	175.0#
51	49.6	34.8	52.2
86	48.0	46.2	69.4



Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations
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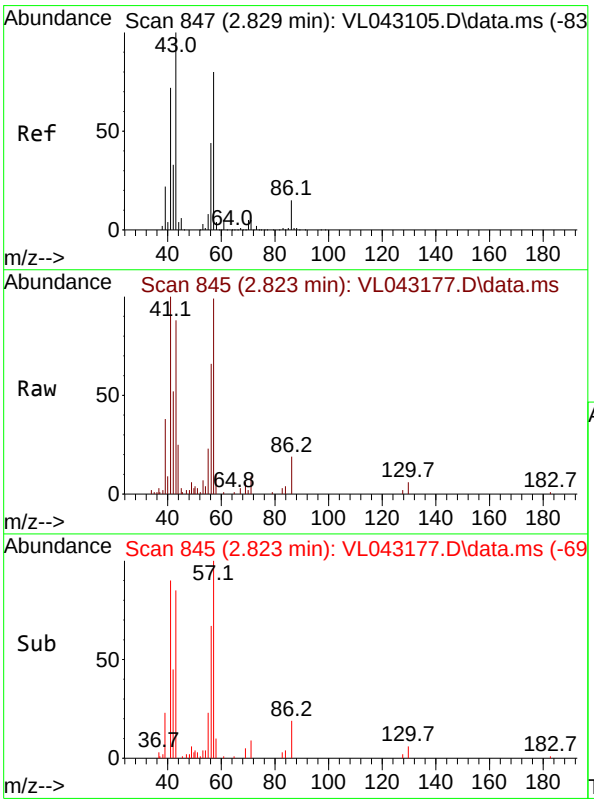
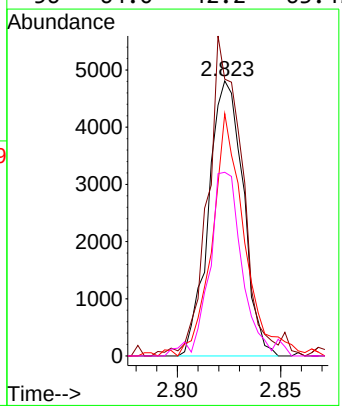
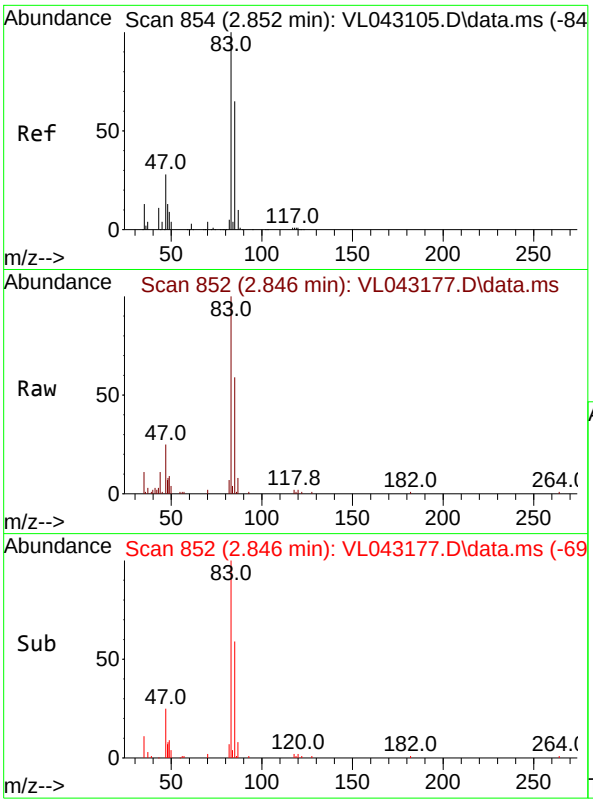


#26
Hexane
Concen: 0.278 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 57 Resp: 5600

Ion	Ratio	Lower	Upper
57	100		
41	115.3	71.4	107.0#
43	84.3	178.5	267.7#
56	64.0	42.2	63.4#





#29
Chloroform
Concen: 0.361 ppbv
RT: 2.846 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 83 Resp: 1054

Ion	Ratio	Lower	Upper
83	100		
85	59.4	51.8	77.6

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations
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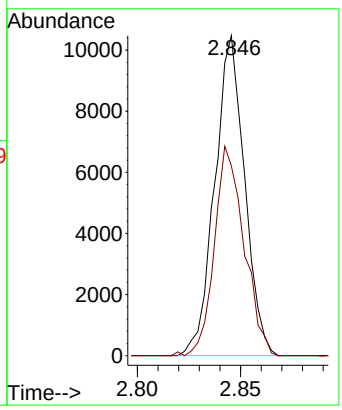
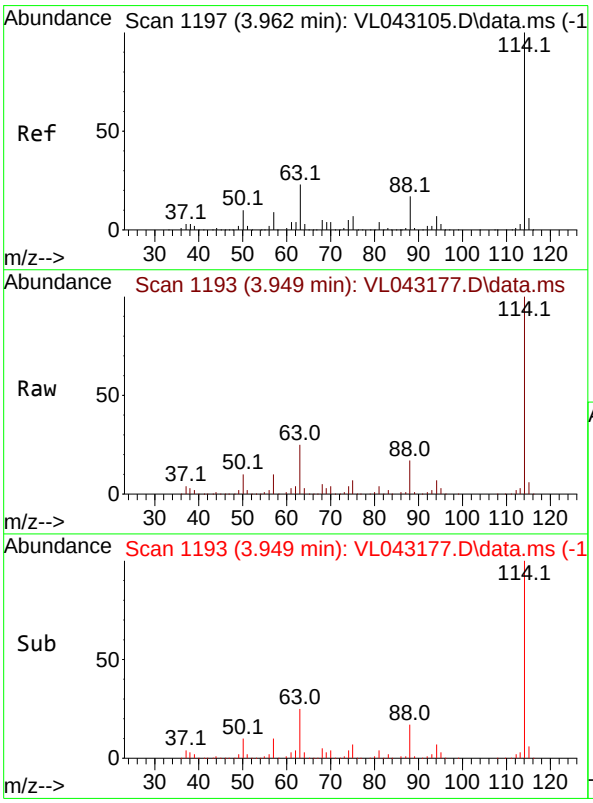
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

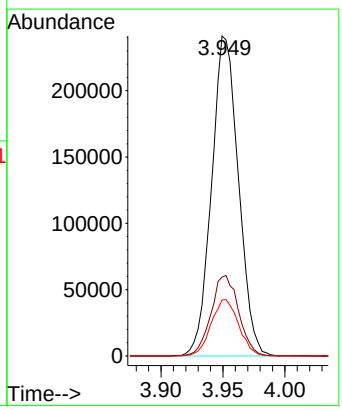


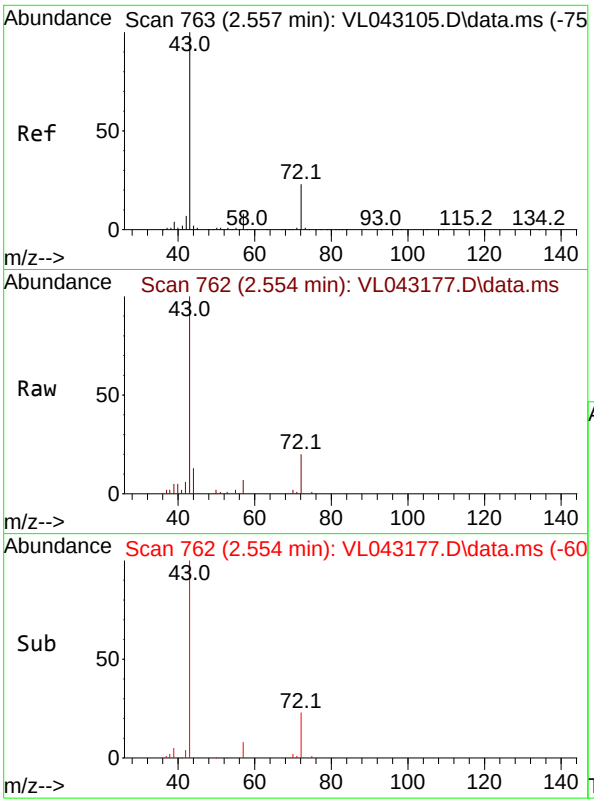


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.013 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:114 Resp: 364794

Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.3	28.9
88	18.0	13.9	20.9

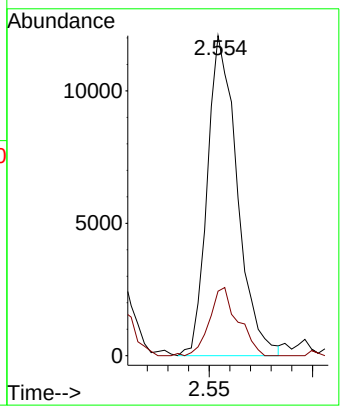




#34
2-Butanone
Concen: 0.496 ppbv
RT: 2.554 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 43 Resp: 1216

Ion	Ratio	Lower	Upper
43	100		
72	20.2	18.4	27.6



Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations
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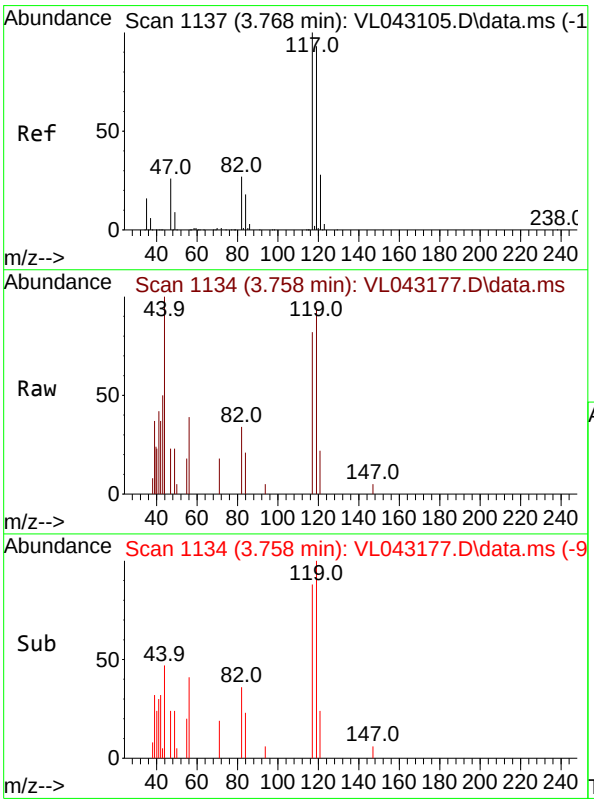
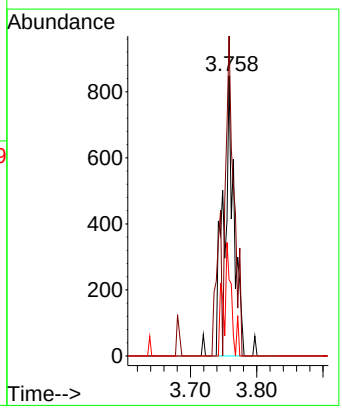
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

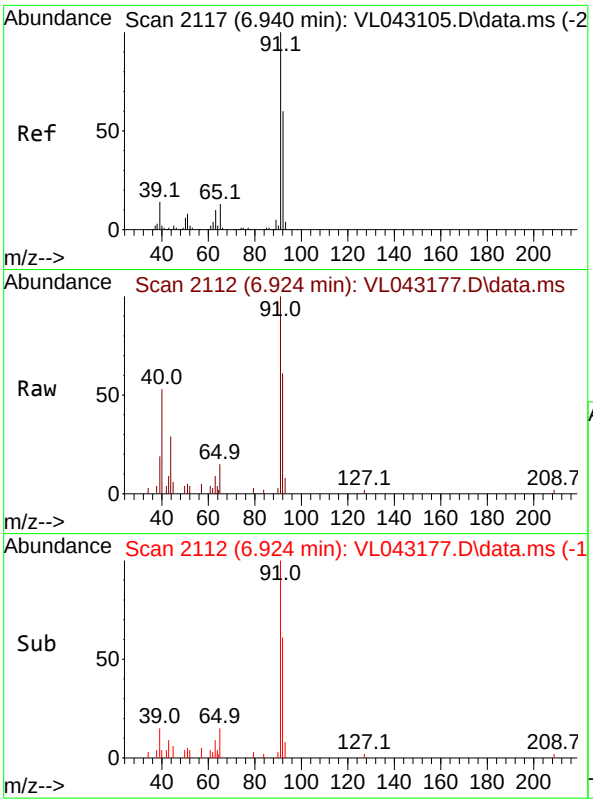


#35
Carbon Tetrachloride
Concen: 0.035 ppbv m
RT: 3.758 min Scan# 1134
Delta R.T. -0.010 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:117 Resp: 931

Ion	Ratio	Lower	Upper
117	100		
119	114.1	74.1	111.1#
121	27.2	22.2	33.2





#53
Toluene
Concen: 0.125 ppbv m
RT: 6.924 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 91 Resp: 511

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.8	73.2#

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations
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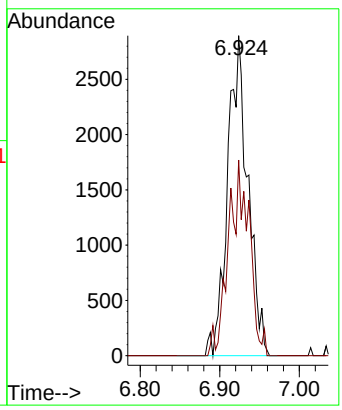
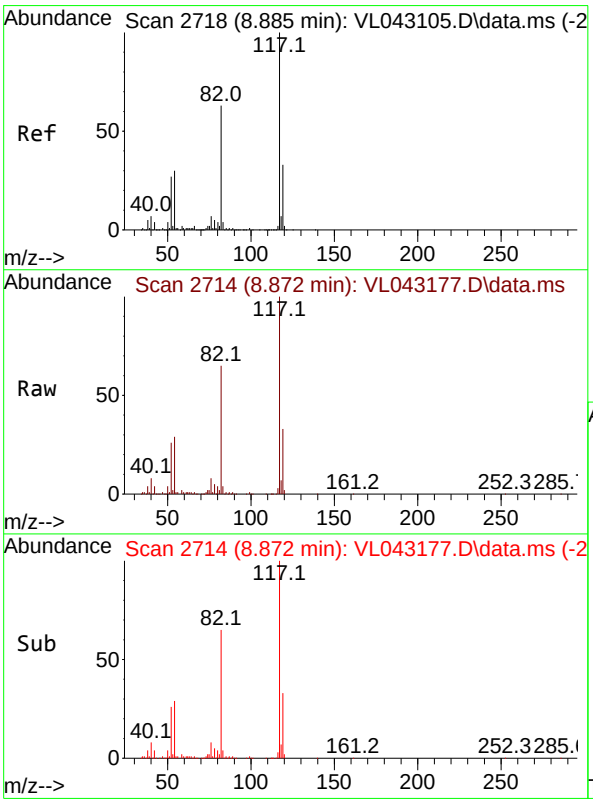
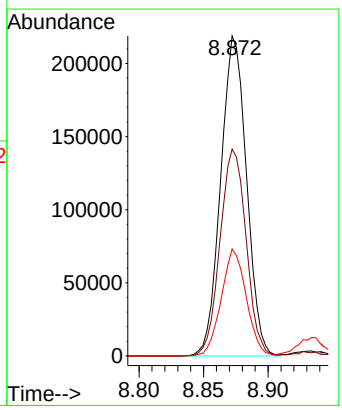


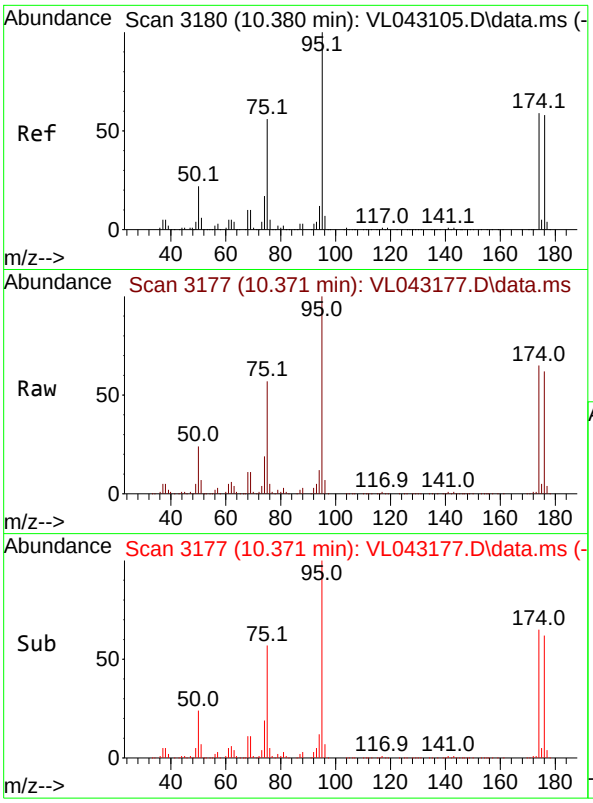


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.013 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:117 Resp: 304142

Ion	Ratio	Lower	Upper
117	100		
82	65.3	53.8	80.8
119	32.3	25.4	38.0

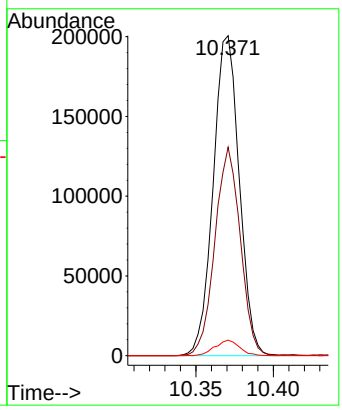




#68
1-Bromo-4-Fluorobenzene
Concen: 9.940 ppbv
RT: 10.371 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 95 Resp: 23497

Ion	Ratio	Lower	Upper
95	100		
174	63.6	48.3	72.5
175	4.6	3.8	5.8



Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-SG-2	SDG No.:	Q3557
Lab Sample ID:	Q3557-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	5.44		2	1.09	4.94	11/06/25 21:08	VL110625
74-87-3	Chloromethane	0.20	0.41	U	2	0.41	2.07	11/06/25 21:08	VL110625
75-01-4	Vinyl Chloride	0.050	0.13	U	2	0.13	0.15	11/06/25 21:08	VL110625
74-83-9	Bromomethane	0.15	0.58	U	2	0.58	3.88	11/06/25 21:08	VL110625
75-00-3	Chloroethane	0.30	0.79	U	2	0.79	2.64	11/06/25 21:08	VL110625
109-99-9	Tetrahydrofuran	0.23	0.68	J	2	0.47	2.95	11/06/25 21:08	VL110625
75-69-4	Trichlorofluoromethane	0.34	1.91	U	2	1.91	5.62	11/06/25 21:08	VL110625
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	U	2	2.15	7.66	11/06/25 21:08	VL110625
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	U	2	2.10	6.99	11/06/25 21:08	VL110625
75-65-0	tert-Butyl alcohol	1.00	3.03		2	0.97	3.03	11/06/25 21:08	VL110625
142-82-5	Heptane	0.34	1.39	U	2	1.39	4.10	11/06/25 21:08	VL110625
75-35-4	1,1-Dichloroethene	0.30	1.19	U	2	1.19	3.96	11/06/25 21:08	VL110625
67-64-1	Acetone	67.2	160	E	2	0.86	2.38	11/06/25 21:08	VL110625
75-15-0	Carbon Disulfide	0.16	0.50	U	2	0.50	3.11	11/06/25 21:08	VL110625
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	U	2	1.66	3.61	11/06/25 21:08	VL110625
75-09-2	Methylene Chloride	1.10	3.82		2	1.60	3.47	11/06/25 21:08	VL110625
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	U	2	0.95	3.96	11/06/25 21:08	VL110625
75-34-3	1,1-Dichloroethane	0.26	1.05	U	2	1.05	4.05	11/06/25 21:08	VL110625
110-82-7	Cyclohexane	0.44	1.51	U	2	1.51	3.44	11/06/25 21:08	VL110625
78-93-3	2-Butanone	2.70	7.96		2	0.32	2.95	11/06/25 21:08	VL110625
56-23-5	Carbon Tetrachloride	0.080	0.50		2	0.31	0.38	11/06/25 21:08	VL110625
156-59-2	cis-1,2-Dichloroethene	0.20	0.79	U	2	0.79	3.96	11/06/25 21:08	VL110625
67-66-3	Chloroform	0.19	0.93	U	2	0.93	4.88	11/06/25 21:08	VL110625
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	2	0.16	0.33	11/06/25 21:08	VL110625
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	U	2	1.31	4.67	11/06/25 21:08	VL110625
71-43-2	Benzene	0.16	0.51	U	2	0.51	3.19	11/06/25 21:08	VL110625
107-06-2	1,2-Dichloroethane	0.19	0.77	U	2	0.77	4.05	11/06/25 21:08	VL110625
79-01-6	Trichloroethene	0.050	0.27	U	2	0.27	0.32	11/06/25 21:08	VL110625
78-87-5	1,2-Dichloropropane	0.26	1.20	U	2	1.20	4.62	11/06/25 21:08	VL110625
75-27-4	Bromodichloromethane	0.13	0.87	U	2	0.87	6.70	11/06/25 21:08	VL110625
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	2	0.78	4.10	11/06/25 21:08	VL110625
108-88-3	Toluene	0.32	1.21	U	2	1.21	3.77	11/06/25 21:08	VL110625
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	U	2	1.36	4.54	11/06/25 21:08	VL110625
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	U	2	1.00	4.54	11/06/25 21:08	VL110625
79-00-5	1,1,2-Trichloroethane	0.16	0.87	U	2	0.87	5.46	11/06/25 21:08	VL110625
124-48-1	Dibromochloromethane	0.17	1.45	U	2	1.45	8.52	11/06/25 21:08	VL110625
106-93-4	1,2-Dibromoethane	0.17	1.31	U	2	1.31	1.54	11/06/25 21:08	VL110625
127-18-4	Tetrachloroethene	0.22	1.49		2	0.20	0.41	11/06/25 21:08	VL110625
108-90-7	Chlorobenzene	0.15	0.69	U	2	0.69	4.61	11/06/25 21:08	VL110625
100-41-4	Ethyl Benzene	0.38	1.65	U	2	1.65	4.34	11/06/25 21:08	VL110625
179601-23-1	m/p-Xylene	0.82	3.56	U	2	3.56	8.69	11/06/25 21:08	VL110625
95-47-6	o-Xylene	0.42	1.82	U	2	1.82	4.34	11/06/25 21:08	VL110625
100-42-5	Styrene	0.32	1.36	U	2	1.36	4.26	11/06/25 21:08	VL110625
75-25-2	Bromoform	0.10	1.03	U	2	1.03	10.3	11/06/25 21:08	VL110625
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	2	0.27	0.41	11/06/25 21:08	VL110625
95-49-8	2-Chlorotoluene	0.34	1.76	U	2	1.76	5.18	11/06/25 21:08	VL110625

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-SG-2	SDG No.:	Q3557
Lab Sample ID:	Q3557-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92		11/06/25 21:08	VL110625
95-63-6	1,2,4-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92		11/06/25 21:08	VL110625
541-73-1	1,3-Dichlorobenzene	0.11	0.66	U	2	0.66	6.01		11/06/25 21:08	VL110625
106-46-7	1,4-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01		11/06/25 21:08	VL110625
95-50-1	1,2-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01		11/06/25 21:08	VL110625
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	U	2	3.12	7.42		11/06/25 21:08	VL110625
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	U	2	2.77	10.7		11/06/25 21:08	VL110625
106-99-0	1,3-Butadiene	0.10	0.22	U	2	0.22	2.21		11/06/25 21:08	VL110625
91-20-3	Naphthalene	0.030	0.16	U	2	0.16	1.05		11/06/25 21:08	VL110625
622-96-8	4-Ethyltoluene	0.42	2.06	U	2	2.06	4.92		11/06/25 21:08	VL110625
110-54-3	Hexane	0.56	1.97	J	2	1.13	3.52		11/06/25 21:08	VL110625
107-05-1	Allyl Chloride	0.22	0.69	U	2	0.69	3.13		11/06/25 21:08	VL110625
123-91-1	1,4-Dioxane	0.44	1.59	U	2	1.59	3.60		11/06/25 21:08	VL110625
80-62-6	Methyl Methacrylate	0.28	1.15	U	2	1.15	4.09		11/06/25 21:08	VL110625
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	10.0				70 (65) - 130	100%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	131000								
540-36-3	1,4-Difluorobenzene	359000								
3114-55-4	Chlorobenzene-d5	304000								

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\VL110625\
Data File : VL043178.D
Acq On : 06 Nov 2025 21:08
Operator : SY/MD
Sample : Q3557-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Quant Time: Nov 07 00:29:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	131405	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	358615	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	303524	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	236795	10.037	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	9907	0.530	ppbv	99
3) Chlorodifluoromethane	1.479	51	2087m	0.103	ppbv	
9) Propene	1.486	41	2376	0.265	ppbv #	15
11) Trichlorofluoromethane	1.877	101	2805	0.154	ppbv	90
13) Ethanol	1.722	45	18184	5.484	ppbv	92
15) Acetone	1.835	43	595518	33.623	ppbv	99
17) tert-Butyl alcohol	2.039	59	12433	0.511	ppbv #	94
19) Isopropyl Alcohol	1.887	45	8050	0.730	ppbv #	36
20) Methylene Chloride	2.062	84	3877	0.554	ppbv #	89
26) Hexane	2.826	57	5694	0.281	ppbv #	42
34) 2-Butanone	2.557	43	32842	1.362	ppbv	98
35) Carbon Tetrachloride	3.751	117	1091m	0.042	ppbv	
41) Tetrahydrofuran	3.065	42	1517	0.113	ppbv #	86
52) Tetrachloroethene	8.215	164	1364m	0.112	ppbv	

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

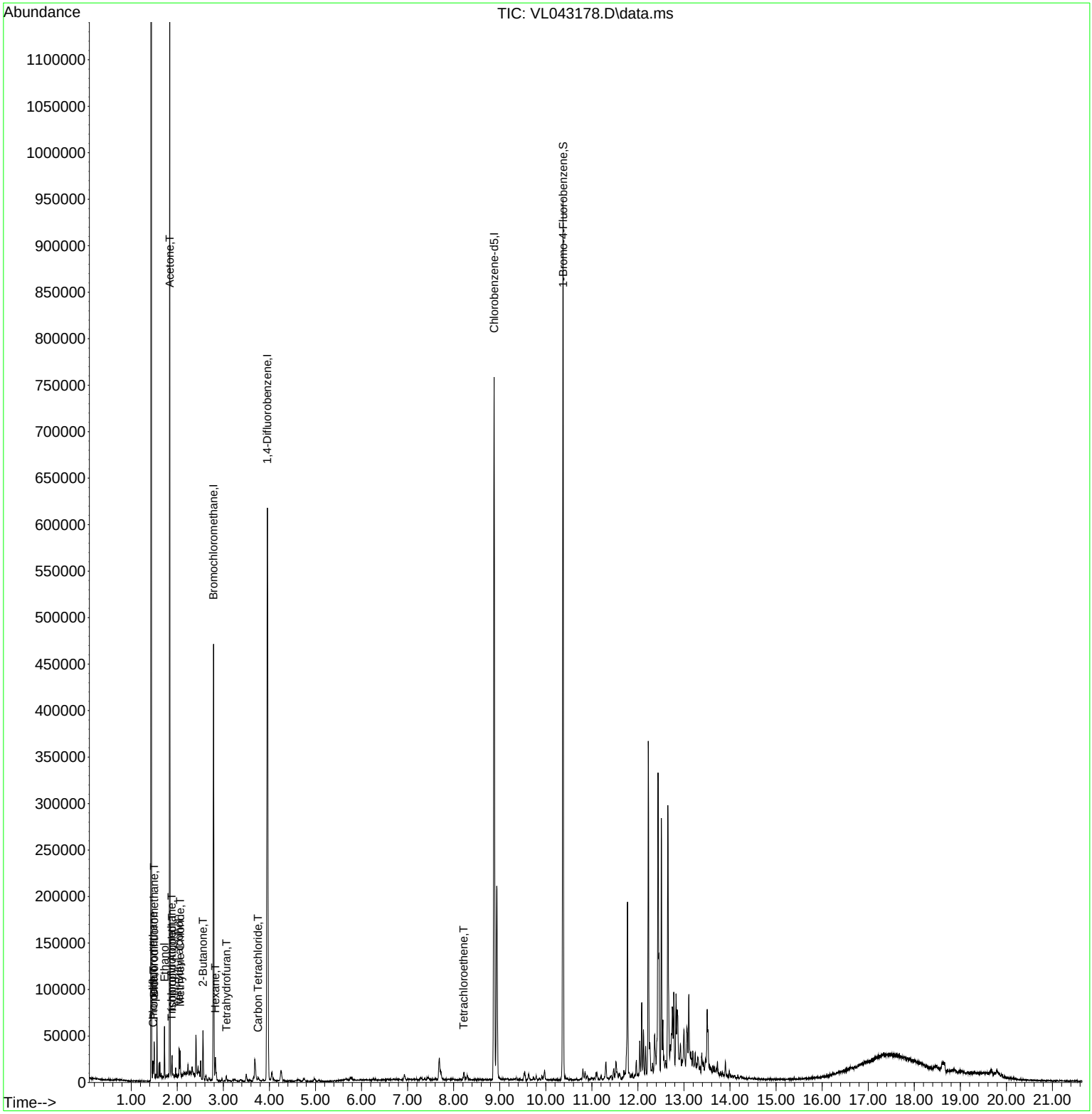
Quantitation Report (QT Reviewed)

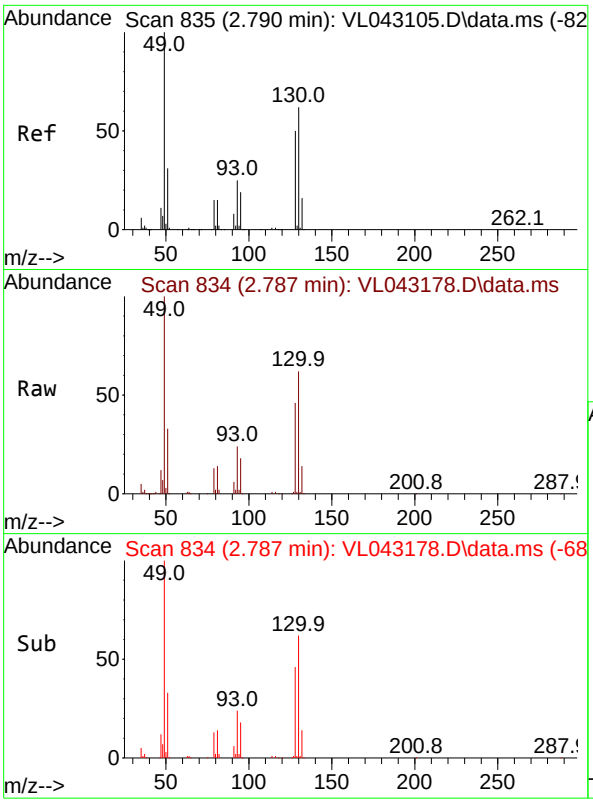
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043178.D
Acq On : 06 Nov 2025 21:08
Operator : SY/MD
Sample : Q3557-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:29:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

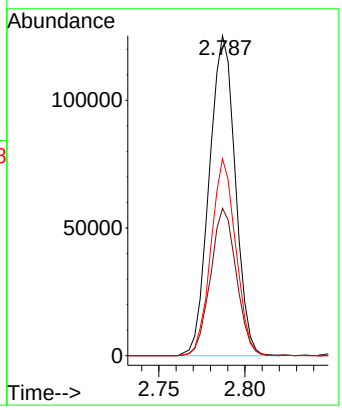




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 49 Resp: 13140

Ion	Ratio	Lower	Upper
49	100		
128	45.8	24.4	73.4
130	58.7	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations
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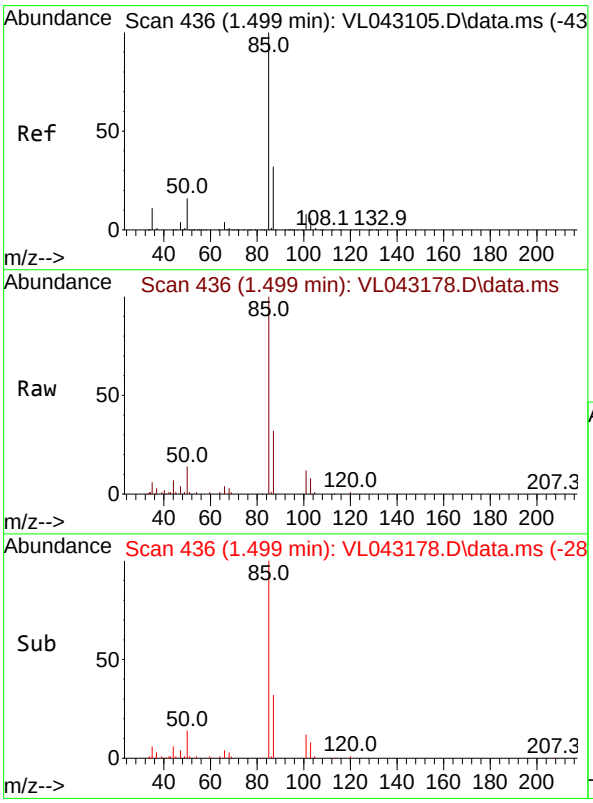
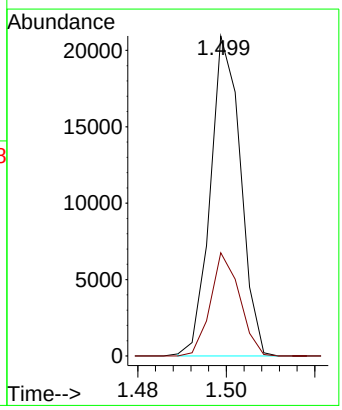
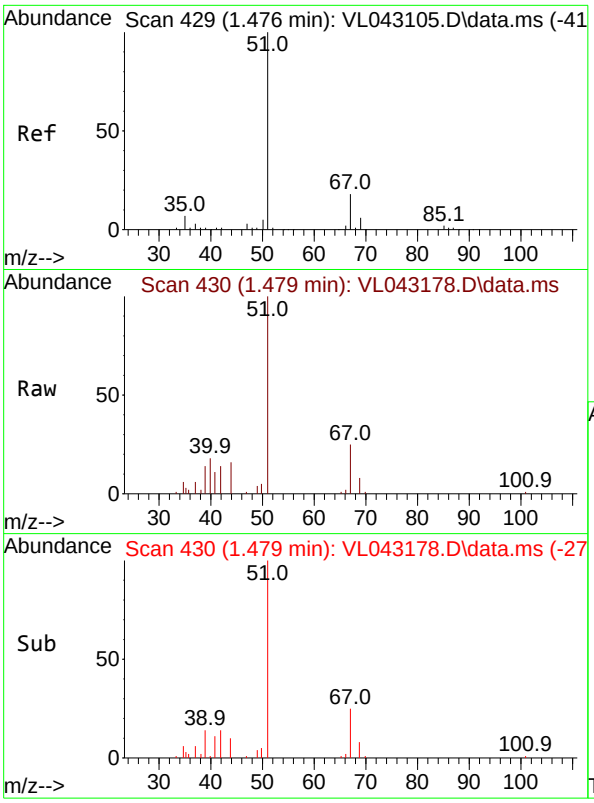


#2
Dichlorodifluoromethane
Concen: 0.530 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 85 Resp: 9907

Ion	Ratio	Lower	Upper
85	100		
87	32.3	25.3	37.9

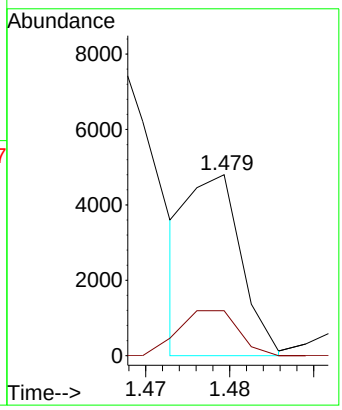




#3
Chlorodifluoromethane
Concen: 0.103 ppbv m
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 51 Resp: 208

Ion	Ratio	Lower	Upper
51	100		
67	28.7	15.1	22.7#



Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations
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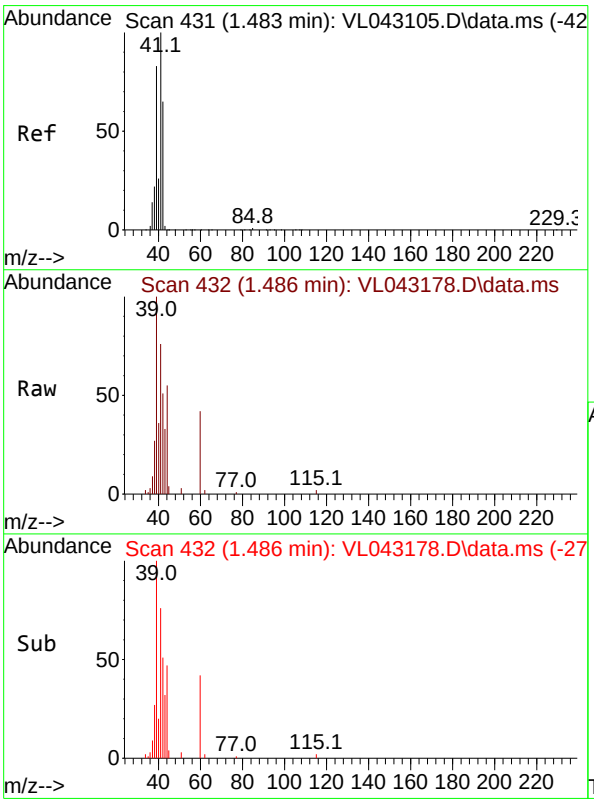
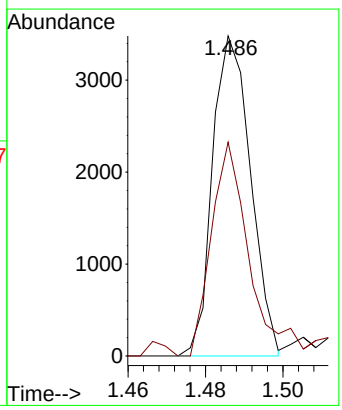
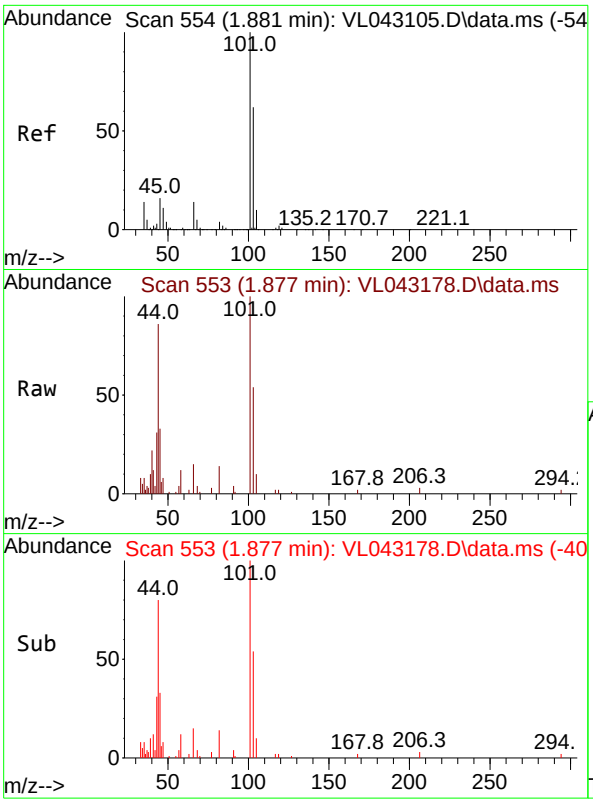


#9
Propene
Concen: 0.265 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 41 Resp: 2376

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.1	82.7#

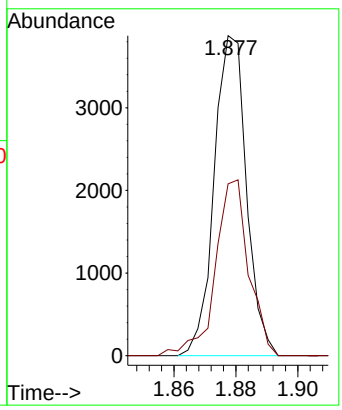




#11
Trichlorofluoromethane
Concen: 0.154 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion:101 Resp: 280

Ion	Ratio	Lower	Upper
101	100		
103	53.7	49.3	73.9



Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations
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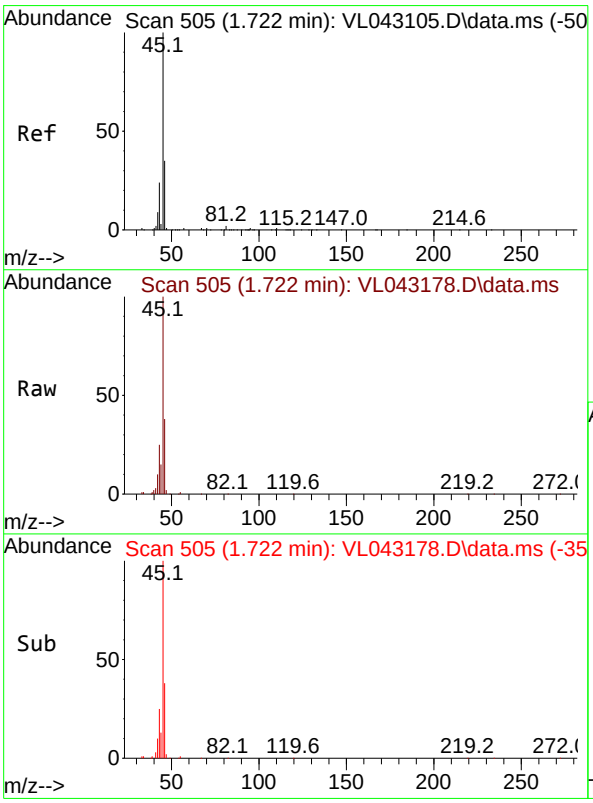
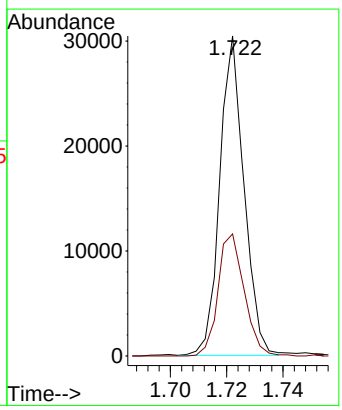
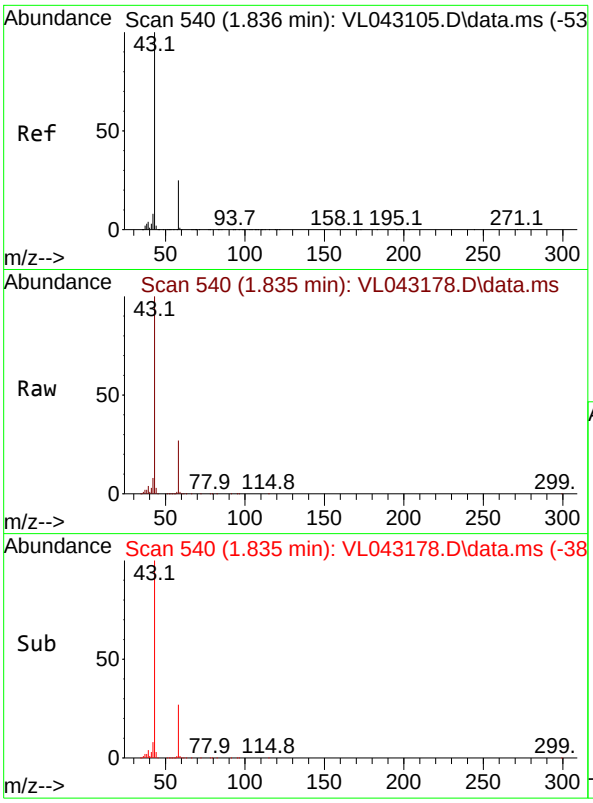


#13
Ethanol
Concen: 5.484 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 45 Resp: 18184

Ion	Ratio	Lower	Upper
45	100		
46	41.4	14.7	58.9

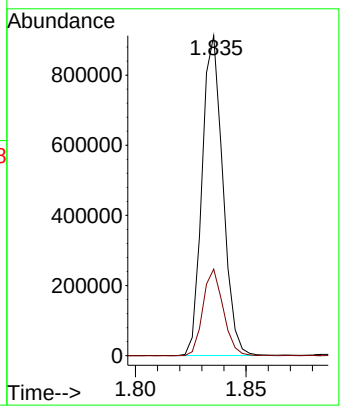




#15
Acetone
Concen: 33.623 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 43 Resp: 595518

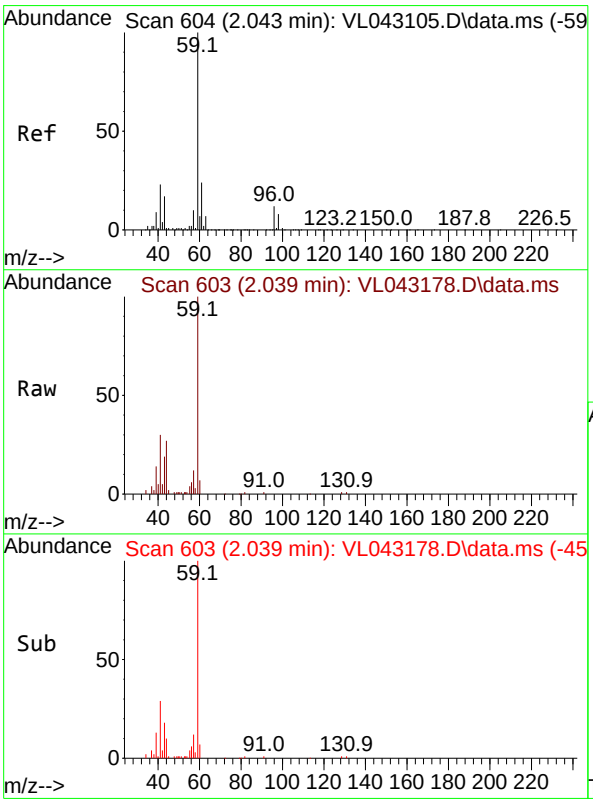
Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.8	31.2



Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations
APPROVED

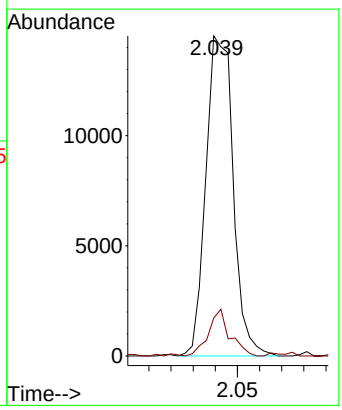
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

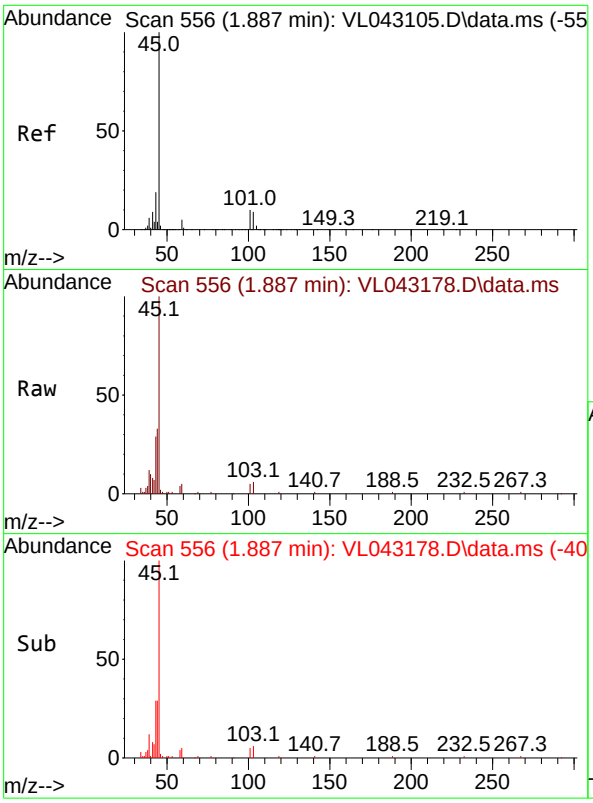


#17
tert-Butyl alcohol
Concen: 0.511 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 59 Resp: 12433

Ion	Ratio	Lower	Upper
59	100		
57	12.6	8.2	12.4#





#19
Isopropyl Alcohol
Concen: 0.730 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

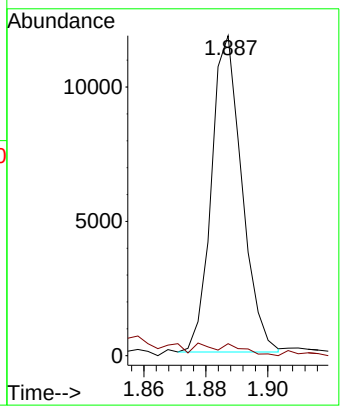
Tgt Ion: 45 Resp: 805

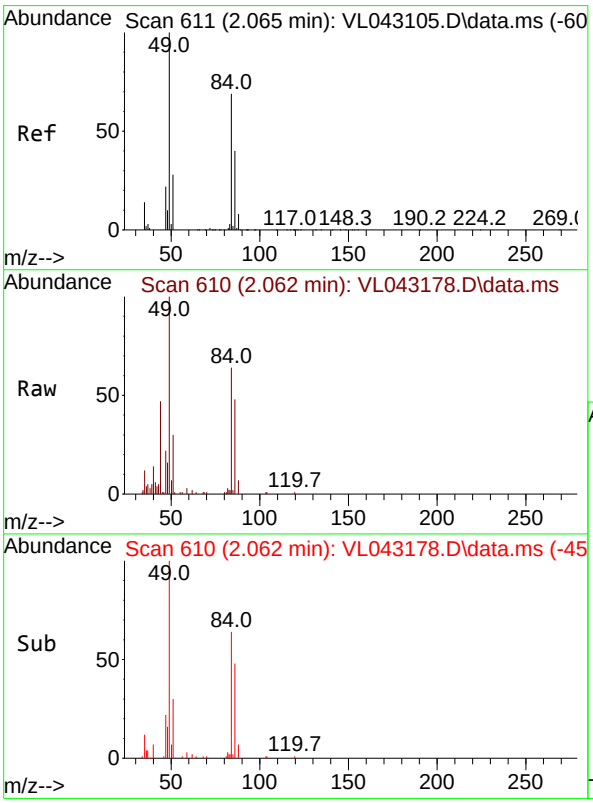
Ion	Ratio	Lower	Upper
45	100		
58	0.0	31.3	46.9#

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

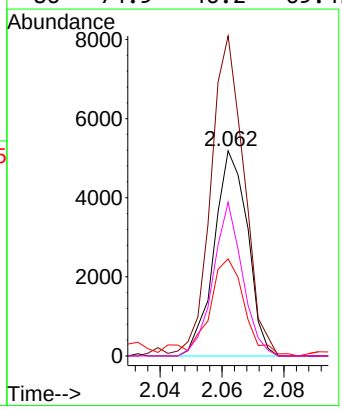


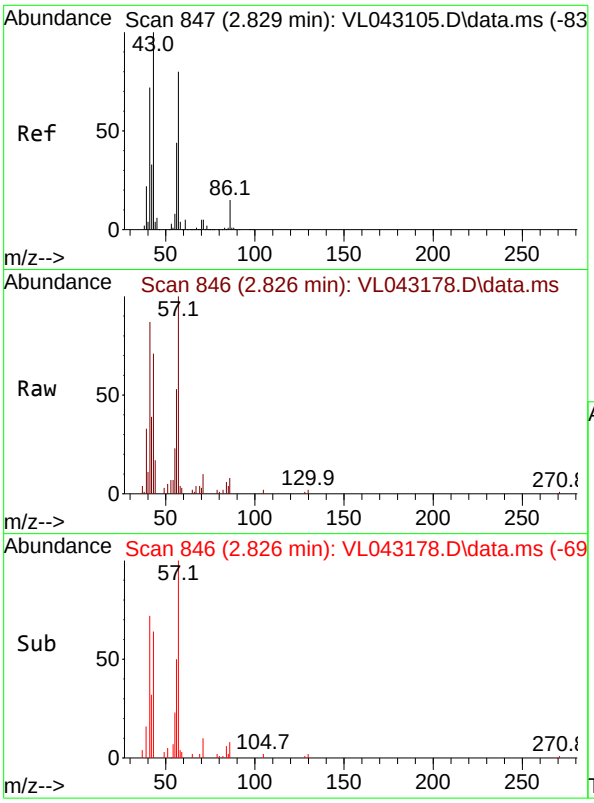


#20
Methylene Chloride
Concen: 0.554 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 84 Resp: 3877

Ion	Ratio	Lower	Upper
84	100		
49	156.0	116.6	175.0
51	46.3	34.8	52.2
86	74.9	46.2	69.4#

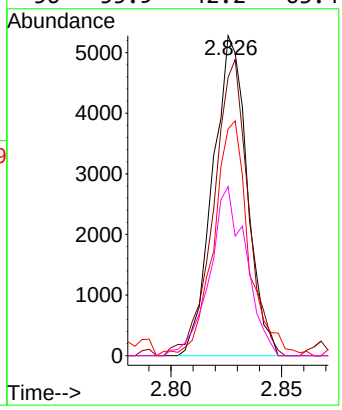




#26
Hexane
Concen: 0.281 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 57 Resp: 569

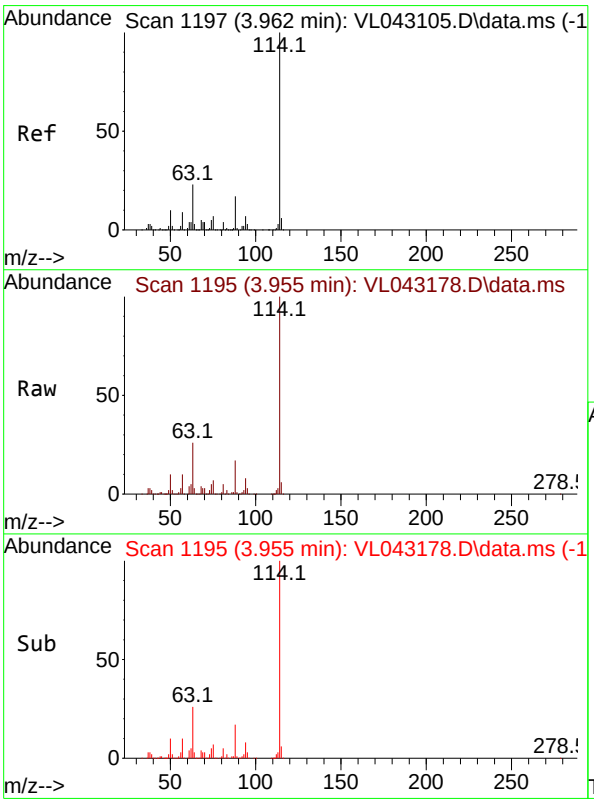
Ion	Ratio	Lower	Upper
57	100		
41	95.1	71.4	107.0
43	75.2	178.5	267.7
56	55.9	42.2	63.4



Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations
APPROVED

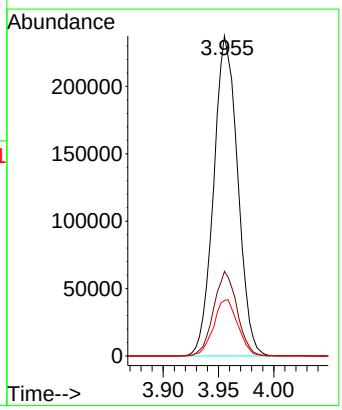
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

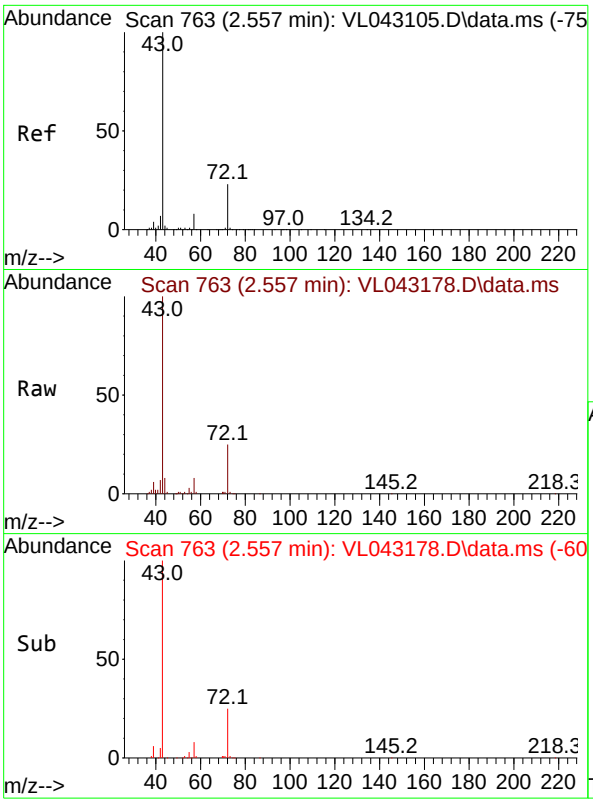


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.007 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion:114 Resp: 358615

Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.3	28.9
88	17.8	13.9	20.9





#34
2-Butanone
Concen: 1.362 ppbv
RT: 2.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 43 Resp: 3284

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.4	27.6

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations
APPROVED

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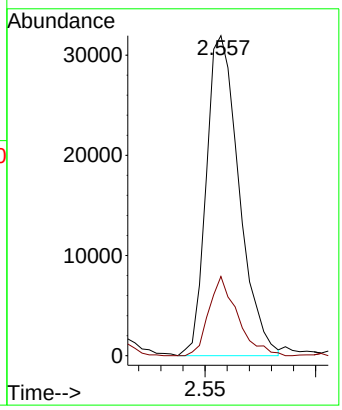
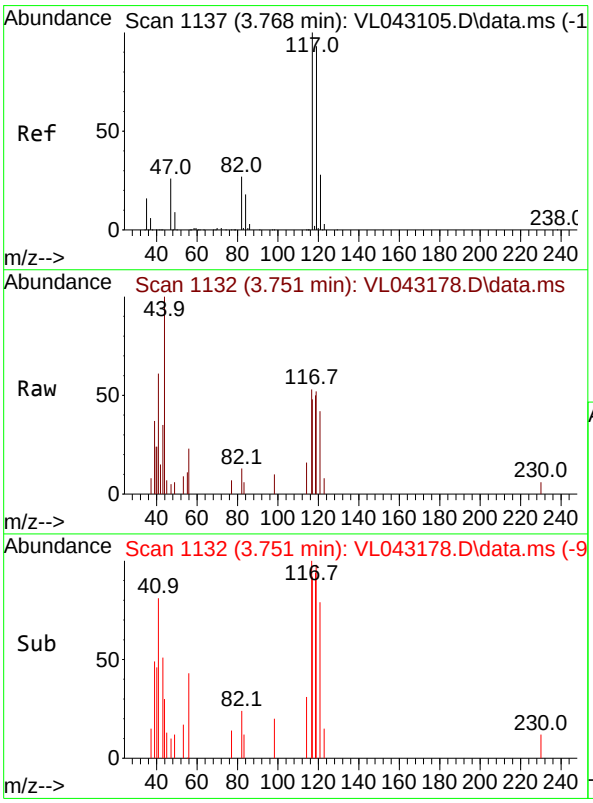
Supervised By :Mahesh Dadoda 11/10/2025

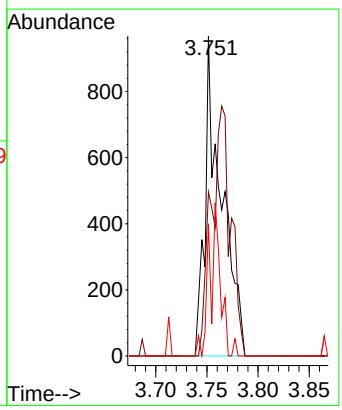


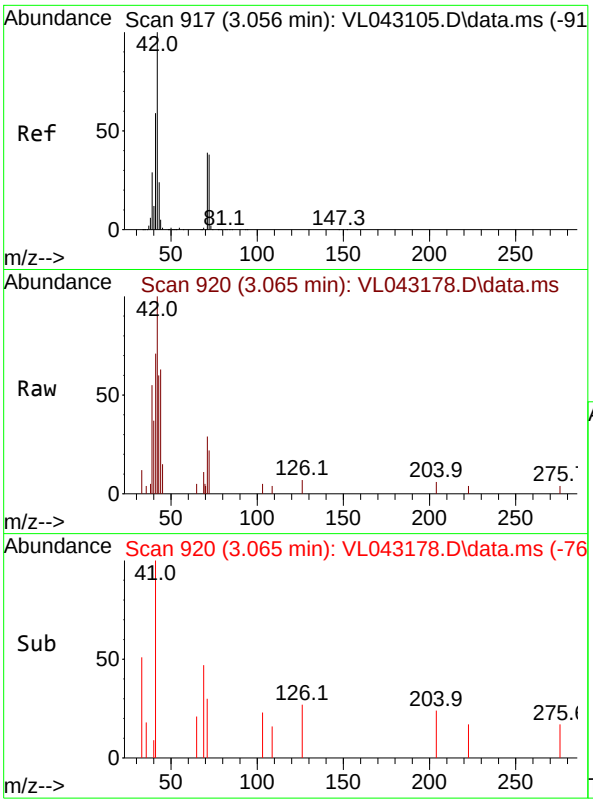


#35
Carbon Tetrachloride
Concen: 0.042 ppbv m
RT: 3.751 min Scan# 1132
Delta R.T. -0.016 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion:117 Resp: 1091

Ion	Ratio	Lower	Upper
117	100		
119	98.4	74.1	111.1
121	79.4	22.2	33.2#





#41
Tetrahydrofuran
Concen: 0.113 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.009 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

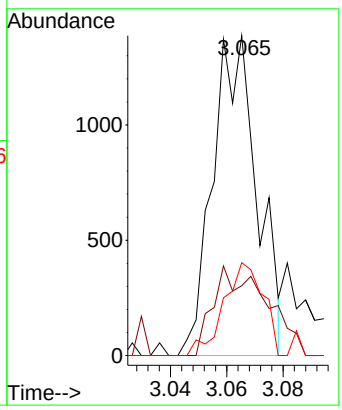
Tgt Ion: 42 Resp: 151

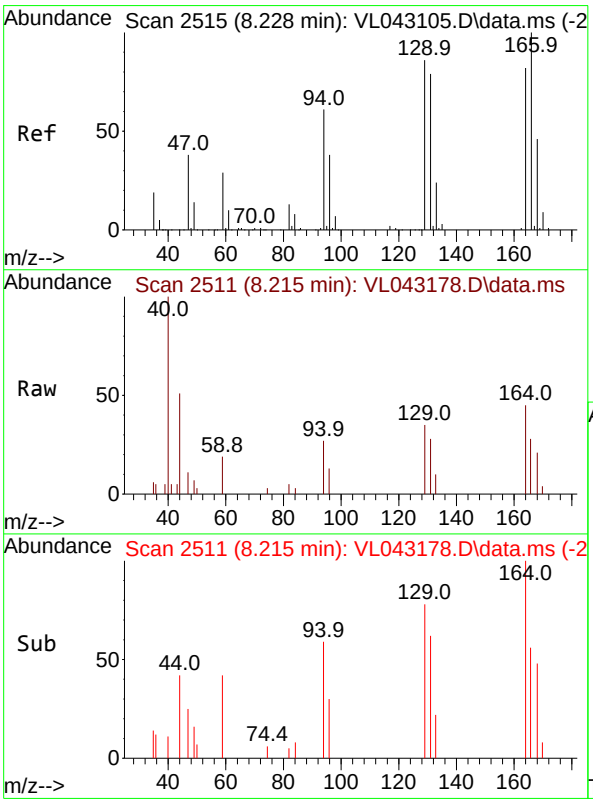
Ion	Ratio	Lower	Upper
42	100		
72	33.4	31.3	46.9
71	27.2	30.4	45.6#

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

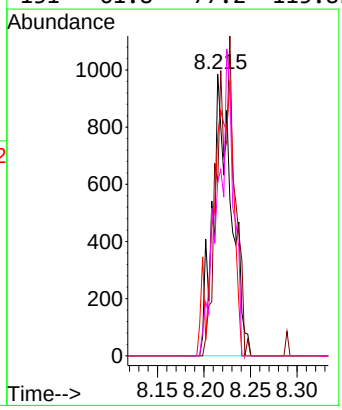


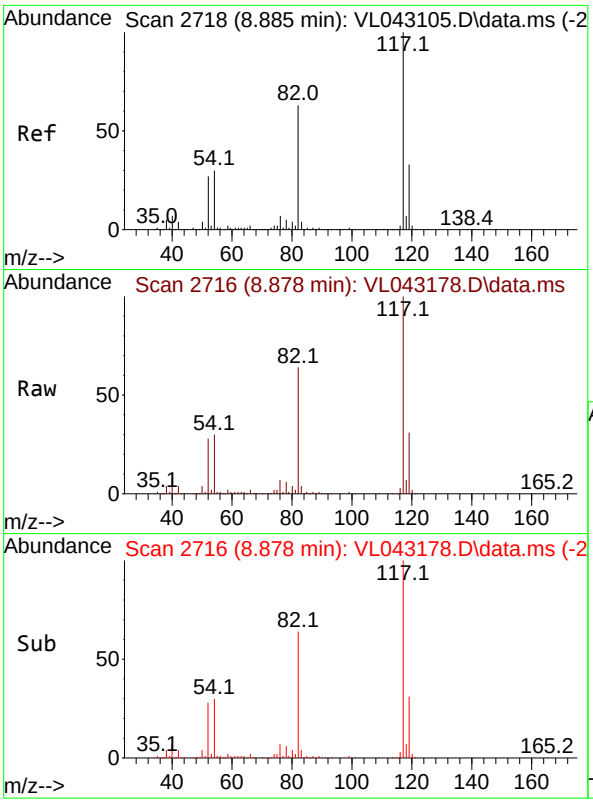


#52
Tetrachloroethene
Concen: 0.112 ppbv m
RT: 8.215 min Scan# 2511
Delta R.T. -0.013 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion:164 Resp: 1364

Ion	Ratio	Lower	Upper
164	100		
166	61.5	97.6	146.4#
129	78.5	84.5	126.7#
131	61.8	77.2	115.8#

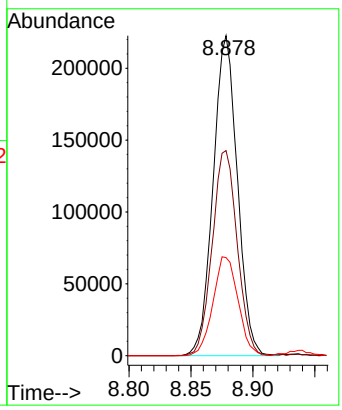




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion:117 Resp: 30352

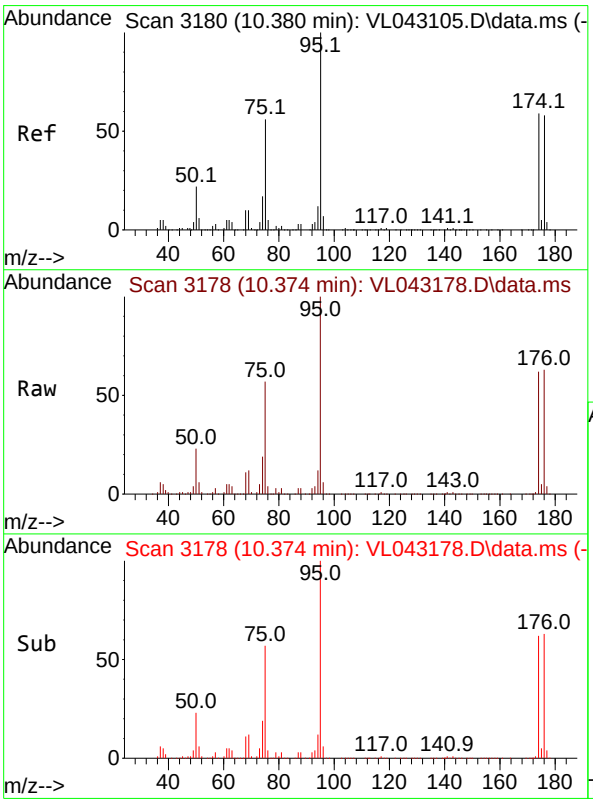
Ion	Ratio	Lower	Upper
117	100		
82	66.5	53.8	80.8
119	32.1	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Manual Integrations
APPROVED

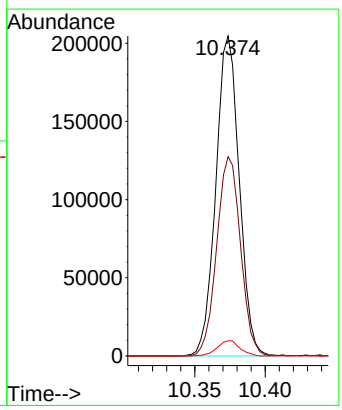
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.037 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 95 Resp: 236795

Ion	Ratio	Lower	Upper
95	100		
174	63.5	48.3	72.5
175	4.6	3.8	5.8



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-SG-2DL	SDG No.:	Q3557
Lab Sample ID:	Q3557-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.20	5.93	JD	10	5.44	24.7	11/06/25 17:03	VL110625
74-87-3	Chloromethane	0.98	2.02	UD	10	2.02	10.3	11/06/25 17:03	VL110625
75-01-4	Vinyl Chloride	0.25	0.64	UD	10	0.64	0.77	11/06/25 17:03	VL110625
74-83-9	Bromomethane	0.77	2.99	UD	10	2.99	19.4	11/06/25 17:03	VL110625
75-00-3	Chloroethane	1.50	3.96	UD	10	3.96	13.2	11/06/25 17:03	VL110625
109-99-9	Tetrahydrofuran	0.80	2.36	UD	10	2.36	14.8	11/06/25 17:03	VL110625
75-69-4	Trichlorofluoromethane	1.70	9.55	UD	10	9.55	28.1	11/06/25 17:03	VL110625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	UD	10	10.7	38.3	11/06/25 17:03	VL110625
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	UD	10	10.5	35.0	11/06/25 17:03	VL110625
75-65-0	tert-Butyl alcohol	1.60	4.85	UD	10	4.85	15.2	11/06/25 17:03	VL110625
142-82-5	Heptane	1.70	6.97	UD	10	6.97	20.5	11/06/25 17:03	VL110625
75-35-4	1,1-Dichloroethene	1.50	5.95	UD	10	5.95	19.8	11/06/25 17:03	VL110625
67-64-1	Acetone	76.7	182	D	10	4.28	11.9	11/06/25 17:03	VL110625
75-15-0	Carbon Disulfide	0.80	2.49	UD	10	2.49	15.6	11/06/25 17:03	VL110625
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	UD	10	8.29	18.0	11/06/25 17:03	VL110625
75-09-2	Methylene Chloride	3.10	10.8	JD	10	7.99	17.4	11/06/25 17:03	VL110625
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	UD	10	4.76	19.8	11/06/25 17:03	VL110625
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	10	5.26	20.2	11/06/25 17:03	VL110625
110-82-7	Cyclohexane	2.20	7.57	UD	10	7.57	17.2	11/06/25 17:03	VL110625
78-93-3	2-Butanone	2.80	8.26	JD	10	1.65	14.8	11/06/25 17:03	VL110625
56-23-5	Carbon Tetrachloride	0.25	1.57	UD	10	1.57	1.89	11/06/25 17:03	VL110625
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	UD	10	3.93	19.8	11/06/25 17:03	VL110625
67-66-3	Chloroform	0.96	4.69	UD	10	4.69	24.4	11/06/25 17:03	VL110625
71-55-6	1,1,1-Trichloroethane	0.16	0.87	UD	10	0.87	1.64	11/06/25 17:03	VL110625
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	UD	10	6.54	23.4	11/06/25 17:03	VL110625
71-43-2	Benzene	0.79	2.52	UD	10	2.52	16.0	11/06/25 17:03	VL110625
107-06-2	1,2-Dichloroethane	0.93	3.76	UD	10	3.76	20.2	11/06/25 17:03	VL110625
79-01-6	Trichloroethene	0.24	1.29	UD	10	1.29	1.61	11/06/25 17:03	VL110625
78-87-5	1,2-Dichloropropane	1.30	6.01	UD	10	6.01	23.1	11/06/25 17:03	VL110625
75-27-4	Bromodichloromethane	0.63	4.22	UD	10	4.22	33.5	11/06/25 17:03	VL110625
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	UD	10	3.98	20.5	11/06/25 17:03	VL110625
108-88-3	Toluene	1.60	6.03	UD	10	6.03	18.8	11/06/25 17:03	VL110625
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	UD	10	6.81	22.7	11/06/25 17:03	VL110625
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	UD	10	4.99	22.7	11/06/25 17:03	VL110625
79-00-5	1,1,2-Trichloroethane	0.81	4.42	UD	10	4.42	27.3	11/06/25 17:03	VL110625
124-48-1	Dibromochloromethane	0.85	7.24	UD	10	7.24	42.6	11/06/25 17:03	VL110625
106-93-4	1,2-Dibromoethane	0.85	6.53	UD	10	6.53	7.69	11/06/25 17:03	VL110625
127-18-4	Tetrachloroethene	0.15	1.02	UD	10	1.02	2.03	11/06/25 17:03	VL110625
108-90-7	Chlorobenzene	0.77	3.55	UD	10	3.55	23.0	11/06/25 17:03	VL110625
100-41-4	Ethyl Benzene	1.90	8.25	UD	10	8.25	21.7	11/06/25 17:03	VL110625
179601-23-1	m/p-Xylene	4.10	17.8	UD	10	17.8	43.4	11/06/25 17:03	VL110625
95-47-6	o-Xylene	2.10	9.12	UD	10	9.12	21.7	11/06/25 17:03	VL110625
100-42-5	Styrene	1.60	6.81	UD	10	6.81	21.3	11/06/25 17:03	VL110625
75-25-2	Bromoform	0.48	4.96	UD	10	4.96	51.7	11/06/25 17:03	VL110625
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	UD	10	1.24	2.06	11/06/25 17:03	VL110625
95-49-8	2-Chlorotoluene	1.70	8.80	UD	10	8.80	25.9	11/06/25 17:03	VL110625

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/05/25
Project:	141 JUNIPER DRIVE	Date Received:	11/05/25
Client Sample ID:	141-SG-2DL	SDG No.:	Q3557
Lab Sample ID:	Q3557-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	UD	10	8.85	24.6		11/06/25 17:03	VL110625
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	UD	10	8.85	24.6		11/06/25 17:03	VL110625
541-73-1	1,3-Dichlorobenzene	0.54	3.25	UD	10	3.25	30.1		11/06/25 17:03	VL110625
106-46-7	1,4-Dichlorobenzene	1.30	7.82	UD	10	7.82	30.1		11/06/25 17:03	VL110625
95-50-1	1,2-Dichlorobenzene	1.30	7.82	UD	10	7.82	30.1		11/06/25 17:03	VL110625
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	UD	10	15.6	37.1		11/06/25 17:03	VL110625
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	UD	10	13.9	53.3		11/06/25 17:03	VL110625
106-99-0	1,3-Butadiene	0.51	1.13	UD	10	1.13	11.1		11/06/25 17:03	VL110625
91-20-3	Naphthalene	0.13	0.68	UD	10	0.68	5.24		11/06/25 17:03	VL110625
622-96-8	4-Ethyltoluene	2.10	10.3	UD	10	10.3	24.6		11/06/25 17:03	VL110625
110-54-3	Hexane	1.60	5.64	UD	10	5.64	17.6		11/06/25 17:03	VL110625
107-05-1	Allyl Chloride	1.10	3.44	UD	10	3.44	15.7		11/06/25 17:03	VL110625
123-91-1	1,4-Dioxane	2.20	7.93	UD	10	7.93	18.0		11/06/25 17:03	VL110625
80-62-6	Methyl Methacrylate	1.40	5.73	UD	10	5.73	20.5		11/06/25 17:03	VL110625
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	10.1				70 (65) - 130	101%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	112000								
540-36-3	1,4-Difluorobenzene	310000								
3114-55-4	Chlorobenzene-d5	260000								

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\VL110625\
Data File : VL043171.D
Acq On : 06 Nov 2025 17:03
Operator : SY/MD
Sample : Q3557-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

Quant Time: Nov 07 00:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	111726	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	310352	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	260144	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	204363	10.107	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	1859	0.117	ppbv	97
13) Ethanol	1.722	45	3586	1.272	ppbv	96
15) Acetone	1.835	43	115569	7.674	ppbv	99
19) Isopropyl Alcohol	1.887	45	1703	0.182	ppbv #	1
20) Methylene Chloride	2.062	84	1868	0.314	ppbv #	83
34) 2-Butanone	2.560	43	5741	0.275	ppbv	94

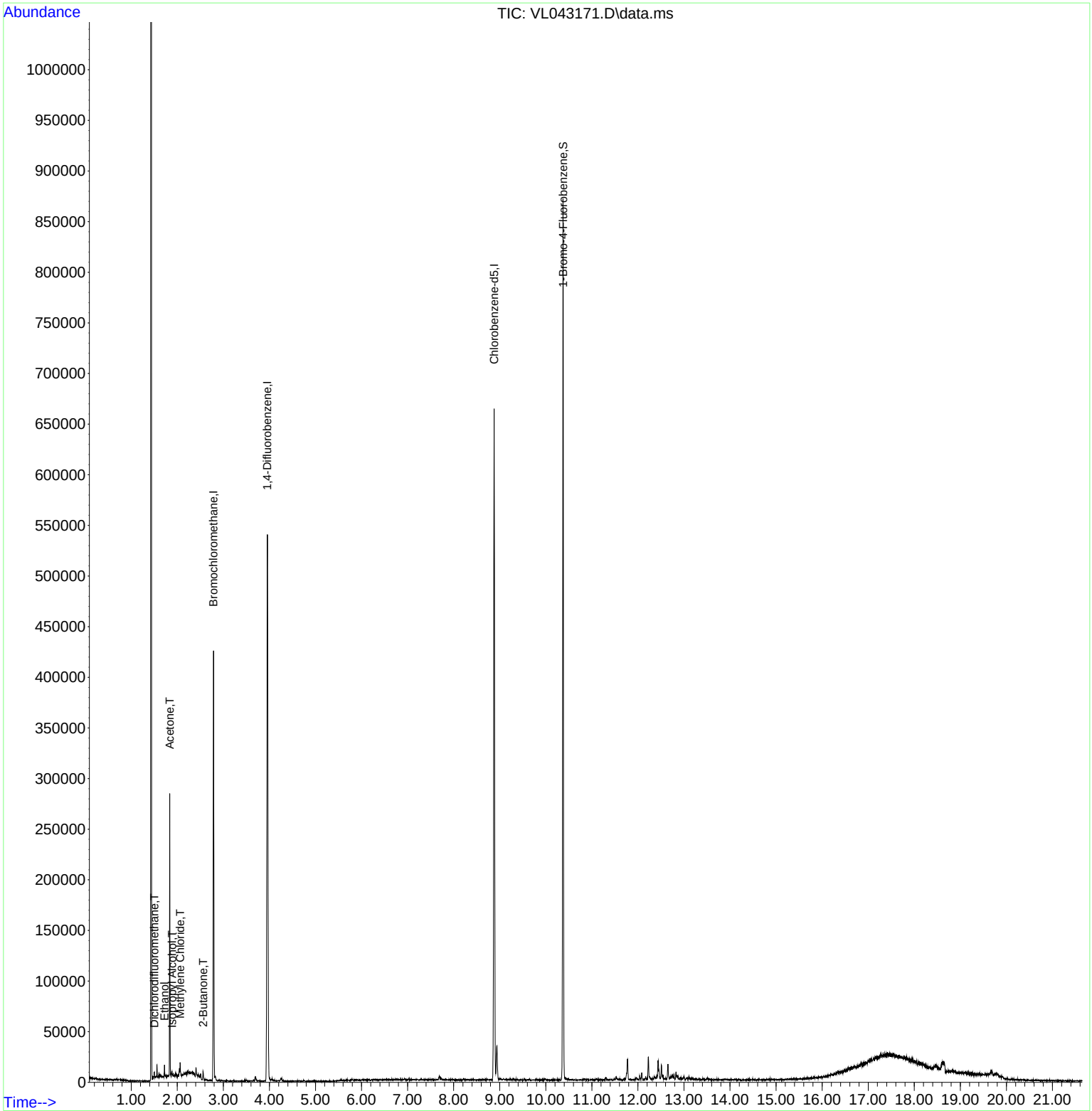
(#) = qualifier out of range (m) = manual integration (+) = signals summed

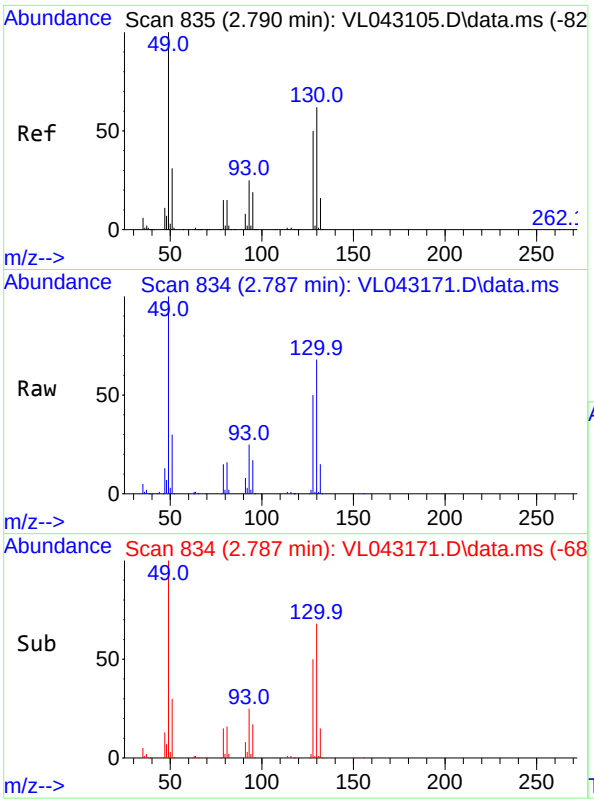
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043171.D
Acq On : 06 Nov 2025 17:03
Operator : SY/MD
Sample : Q3557-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

Quant Time: Nov 07 00:24:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



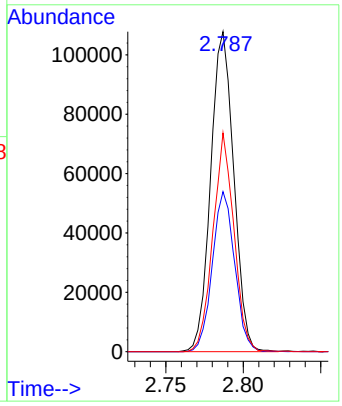


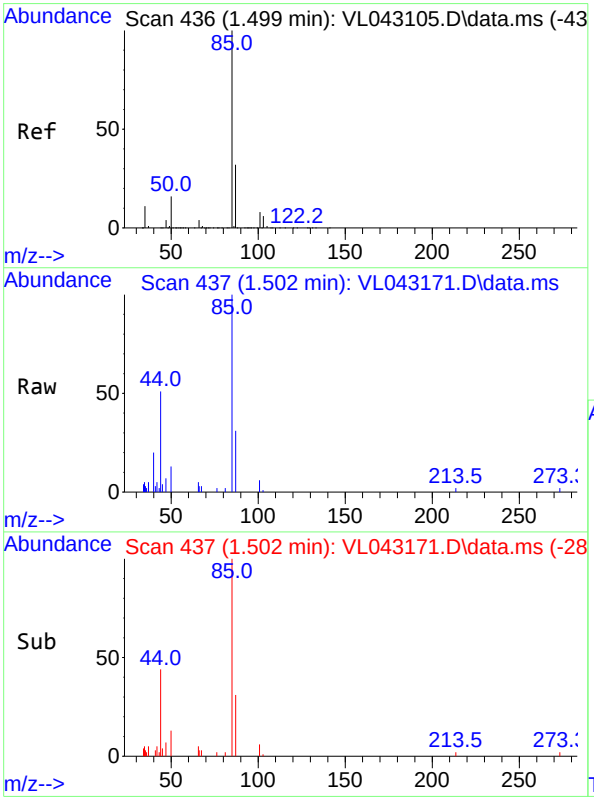
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

Tgt Ion: 49 Resp: 111726

Ion	Ratio	Lower	Upper
49	100		
128	48.4	24.4	73.4
130	62.3	31.0	93.0

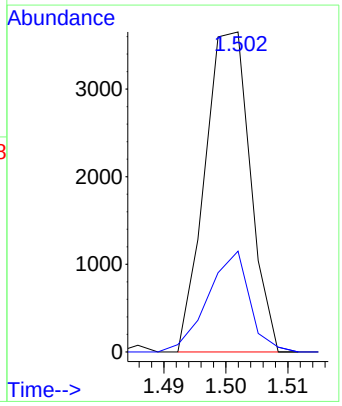


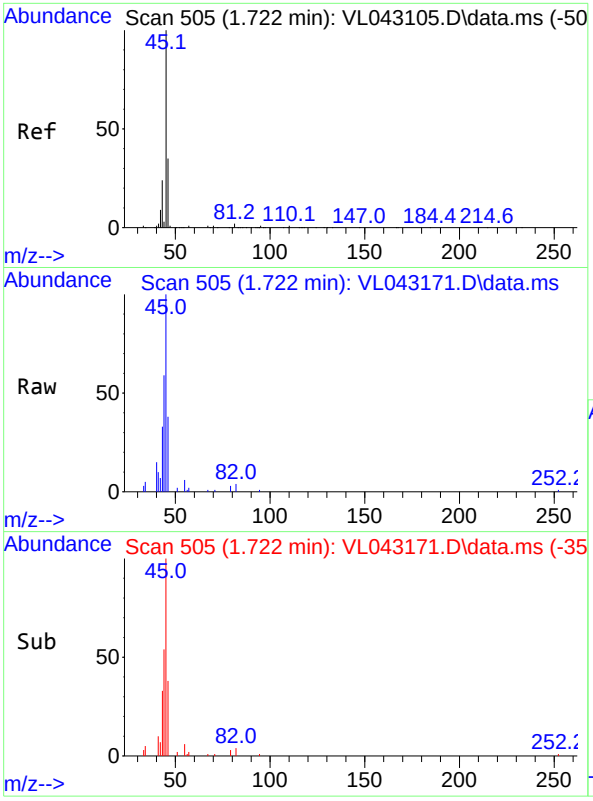


#2
Dichlorodifluoromethane
Concen: 0.117 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Tgt Ion: 85 Resp: 1859

Ion	Ratio	Lower	Upper
85	100		
87	30.0	25.3	37.9



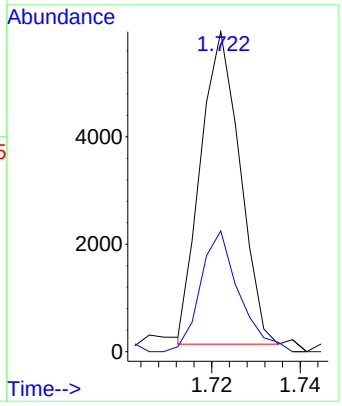


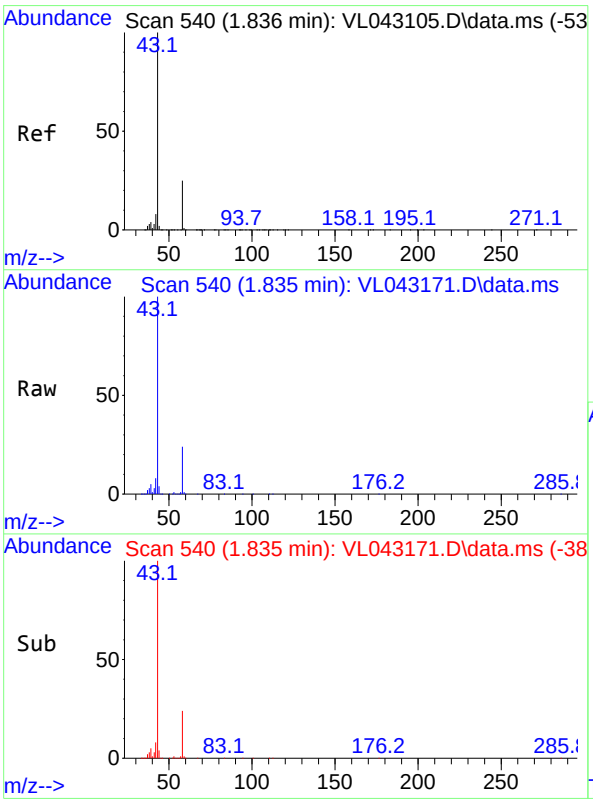
#13
Ethanol
Concen: 1.272 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

Tgt Ion: 45 Resp: 3586

Ion	Ratio	Lower	Upper
45	100		
46	39.4	14.7	58.9

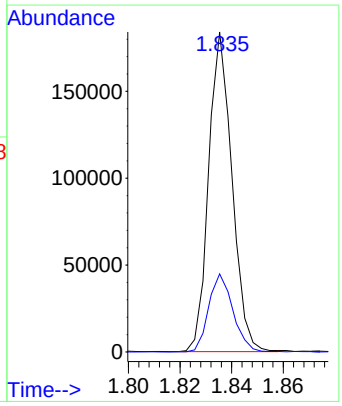


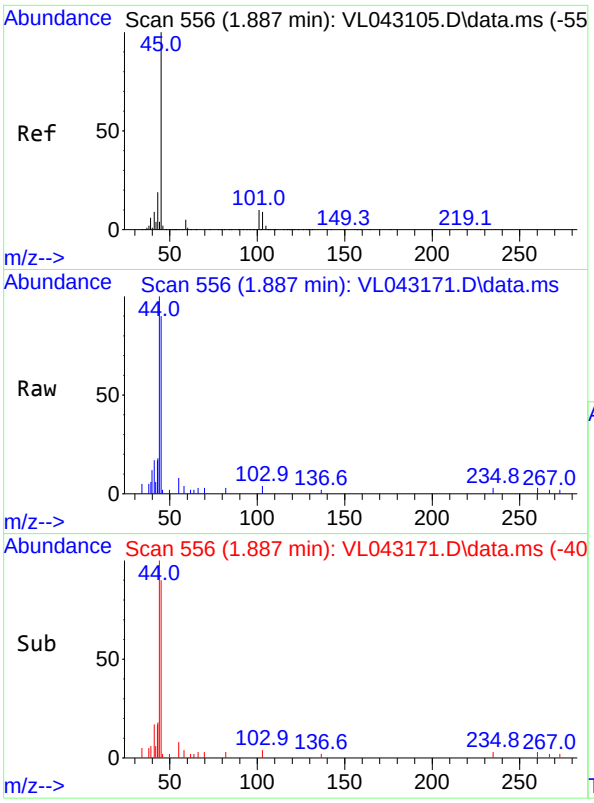


#15
Acetone
Concen: 7.674 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Tgt Ion: 43 Resp: 115569

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.8	31.2



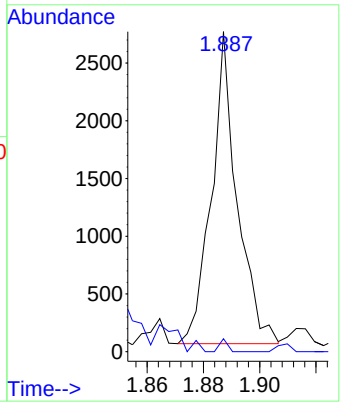


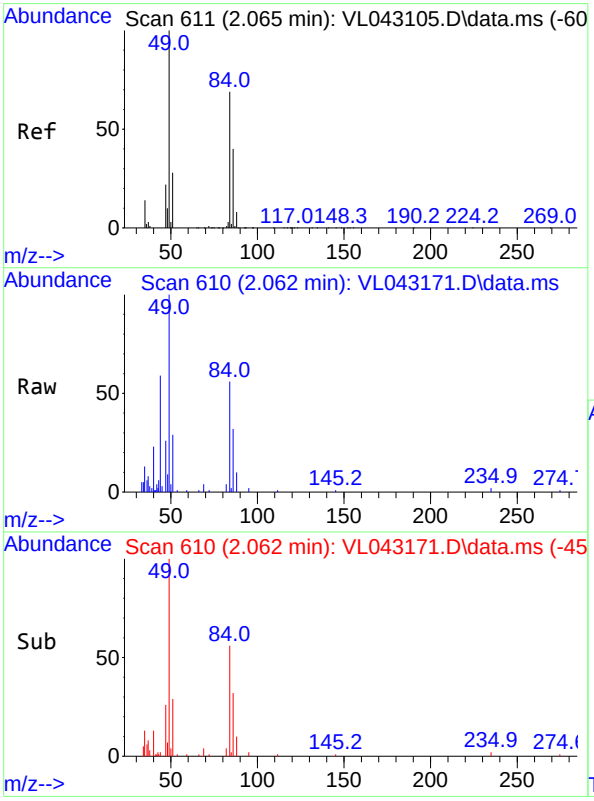
#19
Isopropyl Alcohol
Concen: 0.182 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

Tgt Ion: 45 Resp: 1703

Ion	Ratio	Lower	Upper
45	100		
58	1732.9	31.3	46.9#

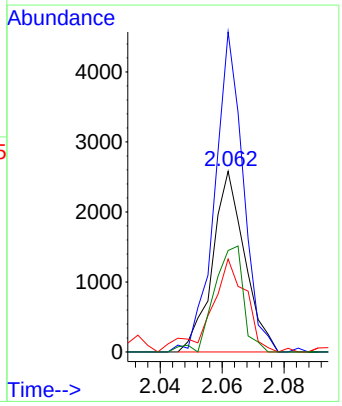


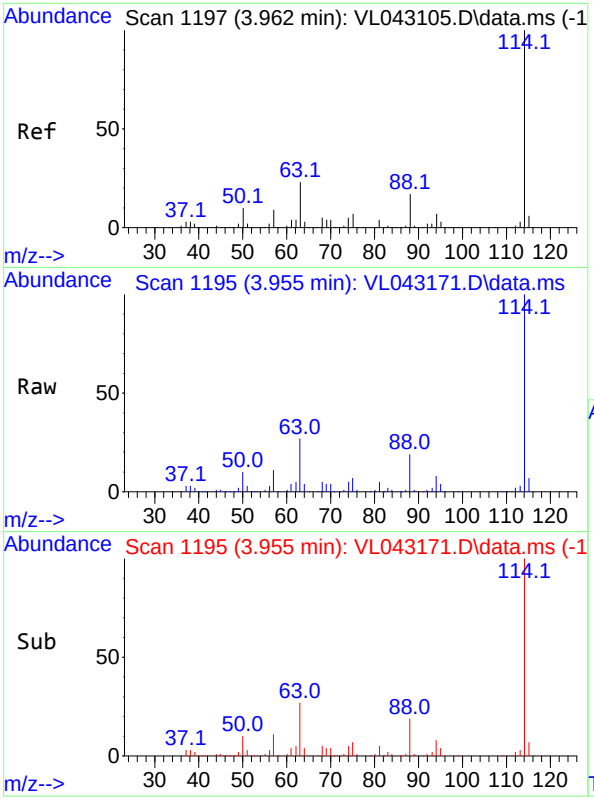


#20
Methylene Chloride
Concen: 0.314 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Tgt Ion: 84 Resp: 1868

Ion	Ratio	Lower	Upper
84	100		
49	177.1	116.6	175.0#
51	51.4	34.8	52.2
86	56.1	46.2	69.4



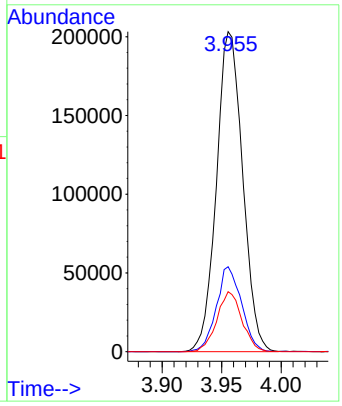


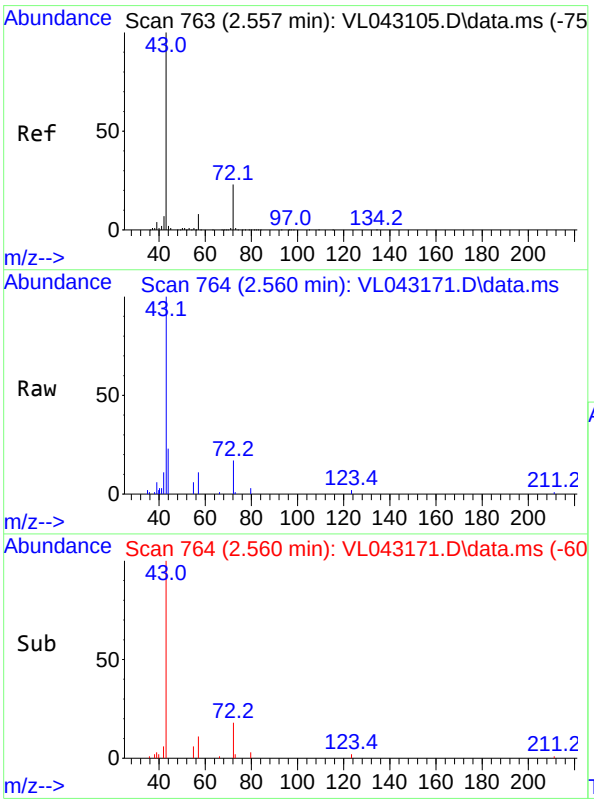
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

Tgt Ion:114 Resp: 310352

Ion	Ratio	Lower	Upper
114	100		
63	25.6	19.3	28.9
88	17.9	13.9	20.9

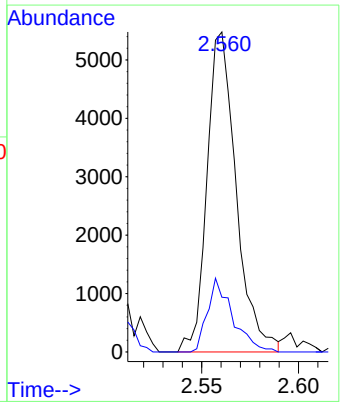


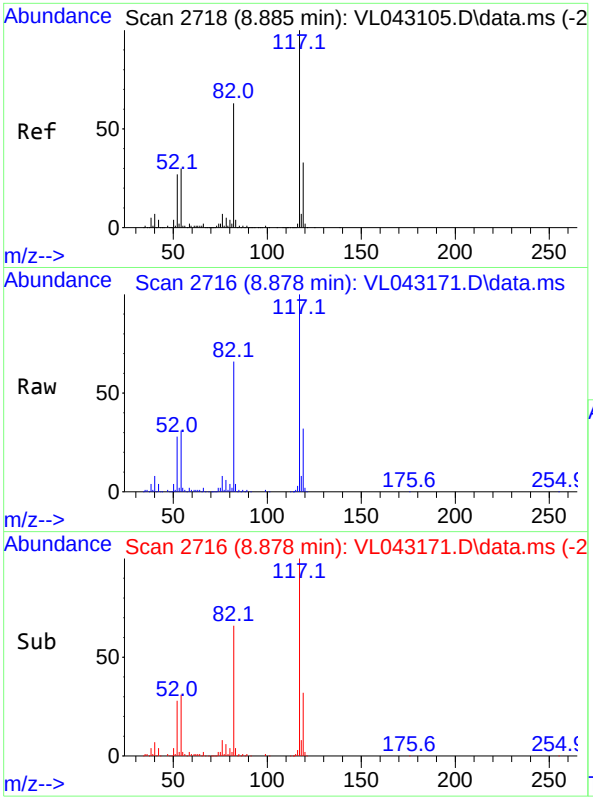


#34
2-Butanone
Concen: 0.275 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Tgt Ion: 43 Resp: 5741

Ion	Ratio	Lower	Upper
43	100		
72	19.9	18.4	27.6



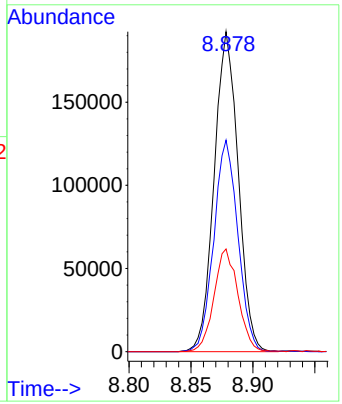


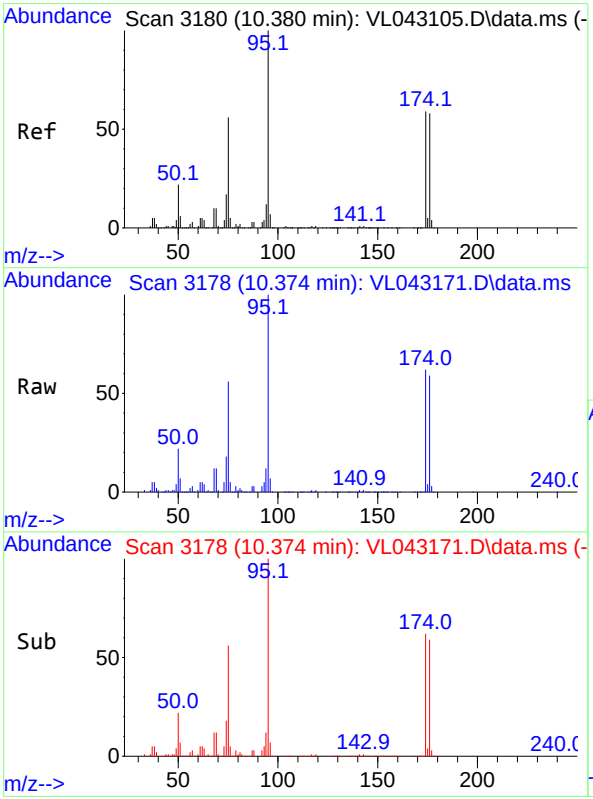
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2DL

Tgt Ion:117 Resp: 260144

Ion	Ratio	Lower	Upper
117	100		
82	66.4	53.8	80.8
119	32.2	25.4	38.0

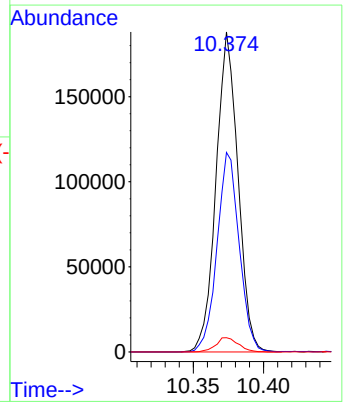




#68
1-Bromo-4-Fluorobenzene
Concen: 10.107 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043171.D
Acq: 06 Nov 2025 17:03

Tgt Ion: 95 Resp: 204363

Ion	Ratio	Lower	Upper
95	100		
174	63.1	48.3	72.5
175	4.6	3.8	5.8



CALIBRATION SUMMARY

Response Factor Report MSVOA_L

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

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

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

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

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

(#) = Out of Range

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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

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

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

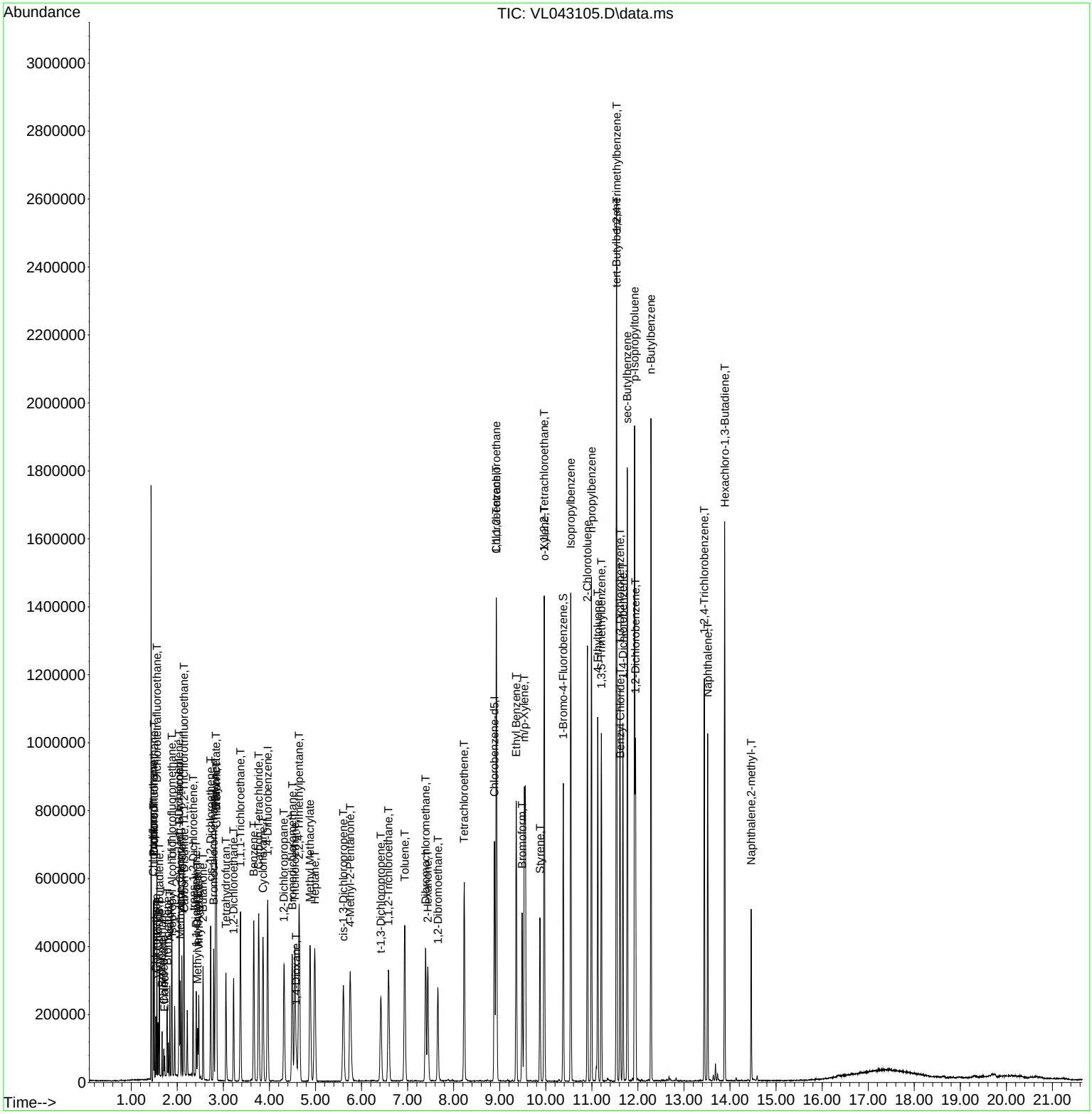
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043105.D
Acq On : 14 Oct 2025 10:31
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

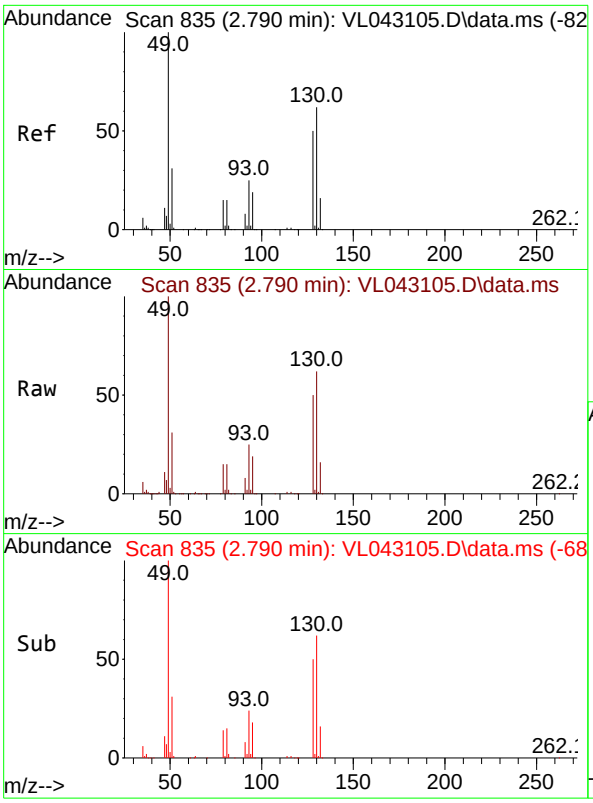
Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

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

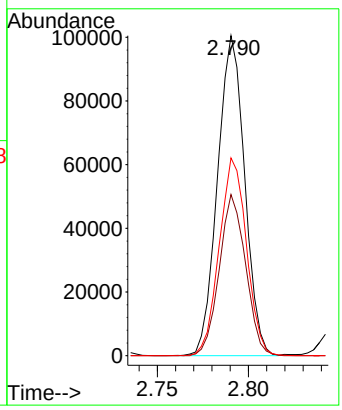




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 49 Resp: 10397

Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.4	73.4
130	62.0	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

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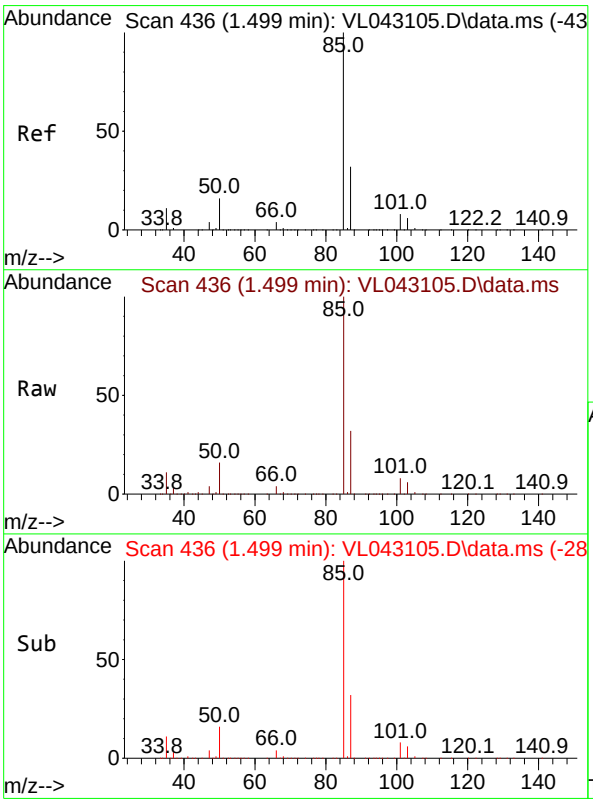
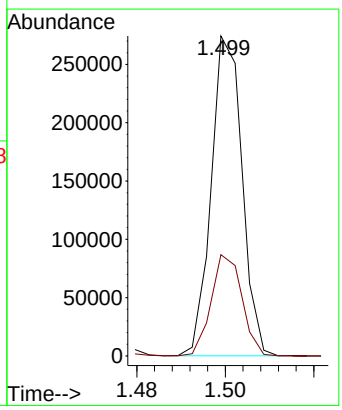
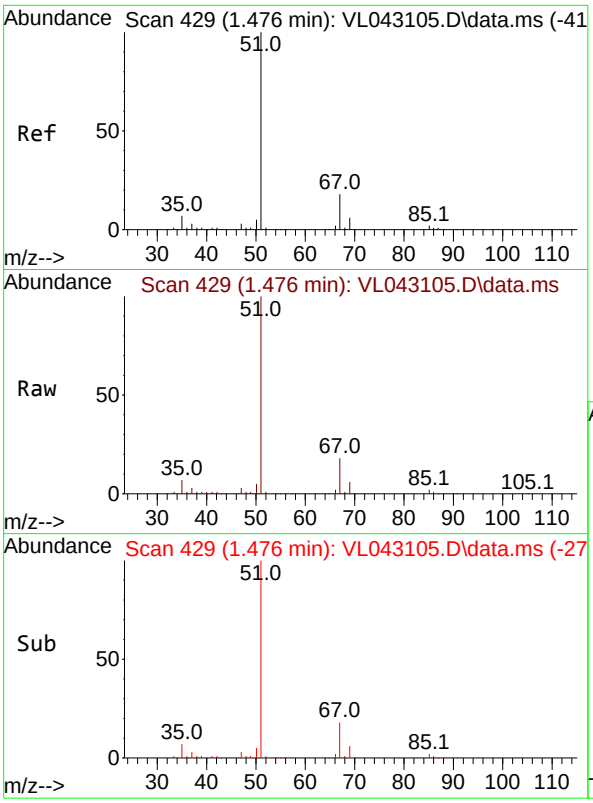


#2
Dichlorodifluoromethane
Concen: 8.987 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 85 Resp: 132845

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.3	37.9

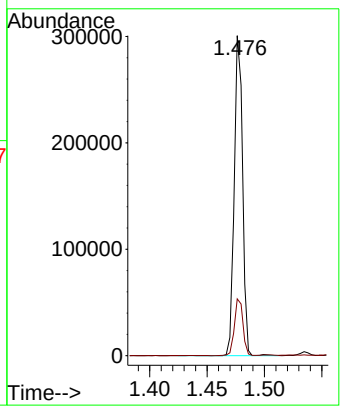




#3
Chlorodifluoromethane
Concen: 9.431 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 51 Resp: 15083

Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
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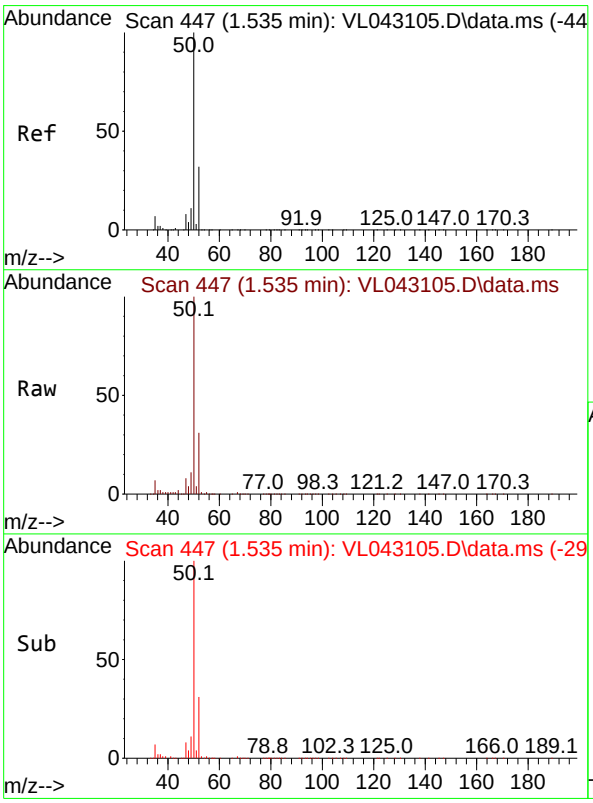
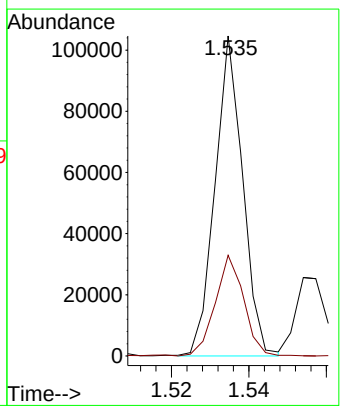
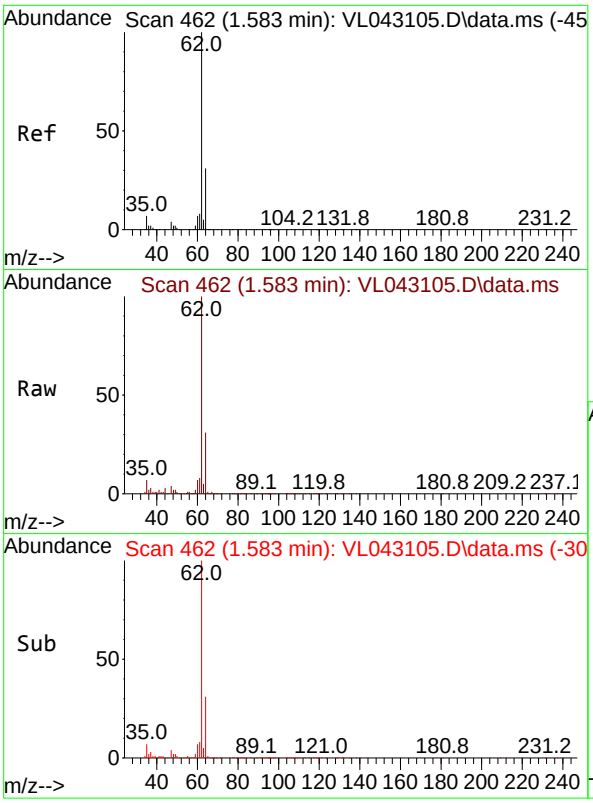


#4
Chloromethane
Concen: 8.869 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 50 Resp: 51934

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.2	37.8

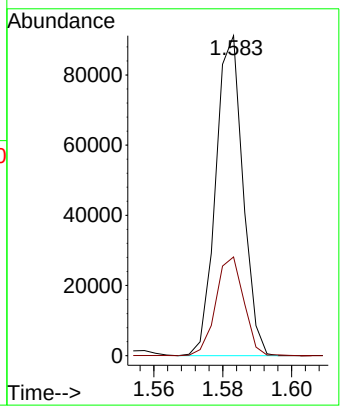




#5
Vinyl Chloride
Concen: 8.713 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 62 Resp: 5004

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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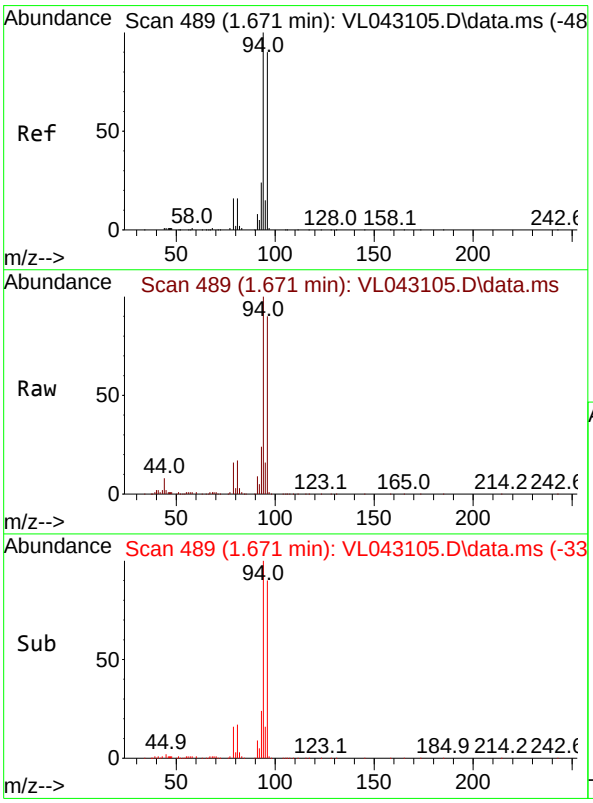
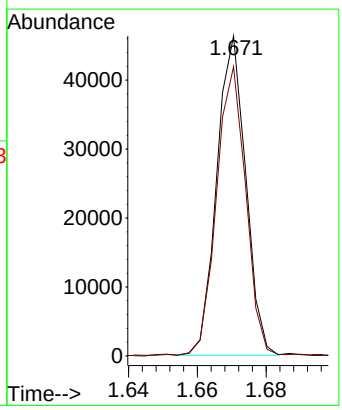
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

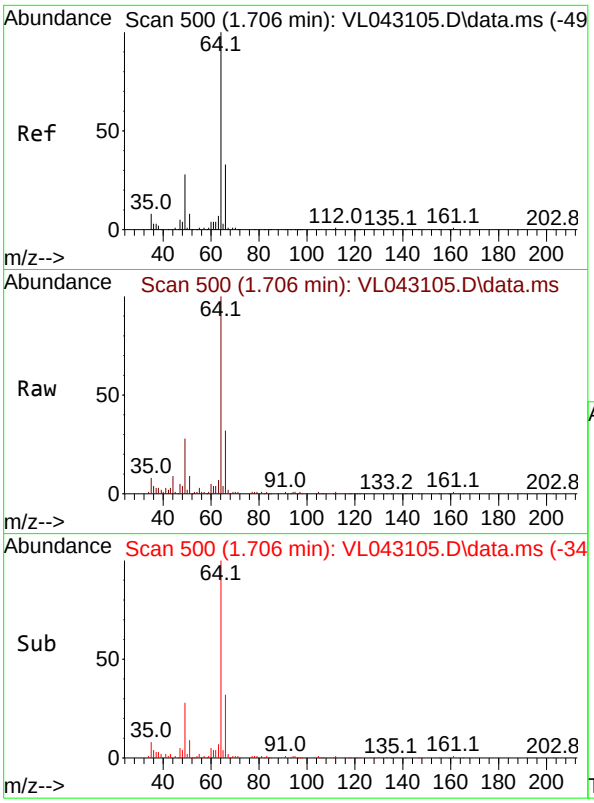


#6
Bromomethane
Concen: 8.593 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 94 Resp: 27062

Ion	Ratio	Lower	Upper
94	100		
96	90.3	72.2	108.4

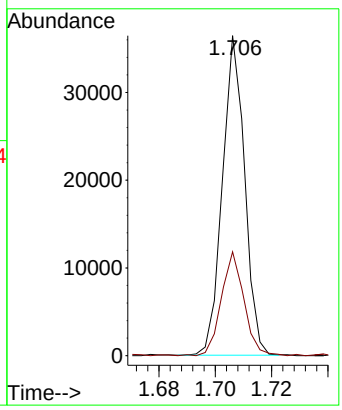




#7
Chloroethane
Concen: 8.492 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 64 Resp: 1994

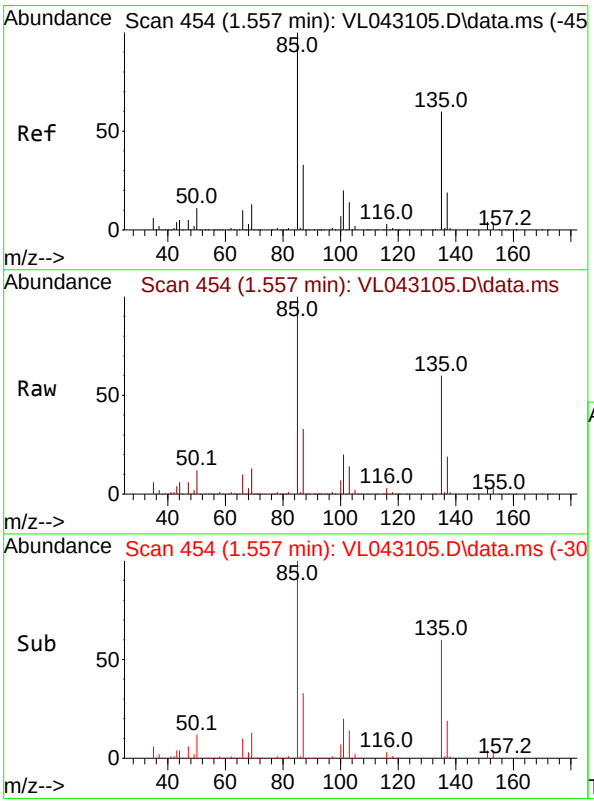
Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

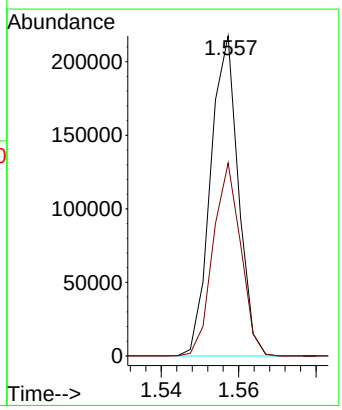
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

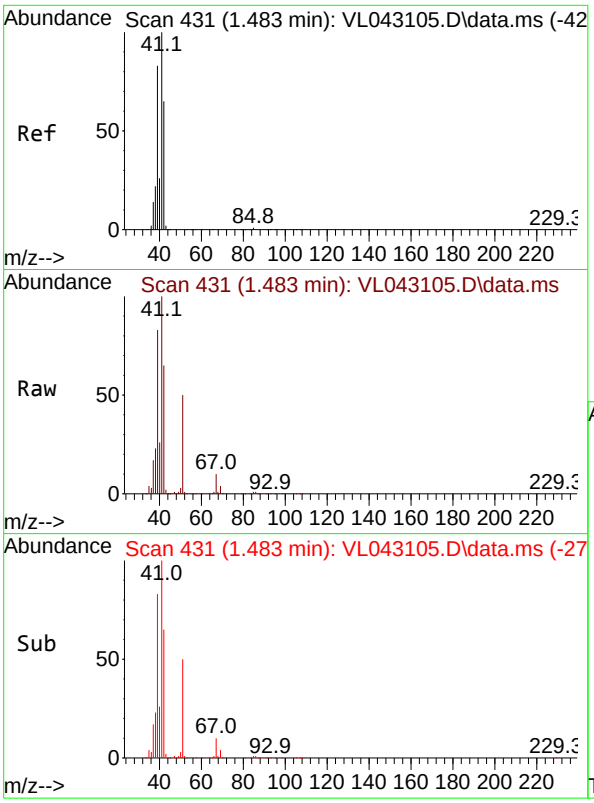


#8
Dichlorotetrafluoroethane
Concen: 9.049 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 85 Resp: 108109

Ion	Ratio	Lower	Upper
85	100		
135	60.3	48.2	72.4

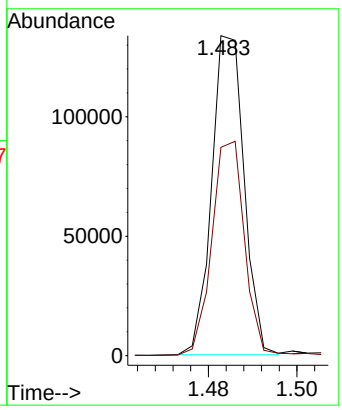




#9
Propene
Concen: 9.602 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 41 Resp: 6811

Ion	Ratio	Lower	Upper
41	100		
42	68.9	55.1	82.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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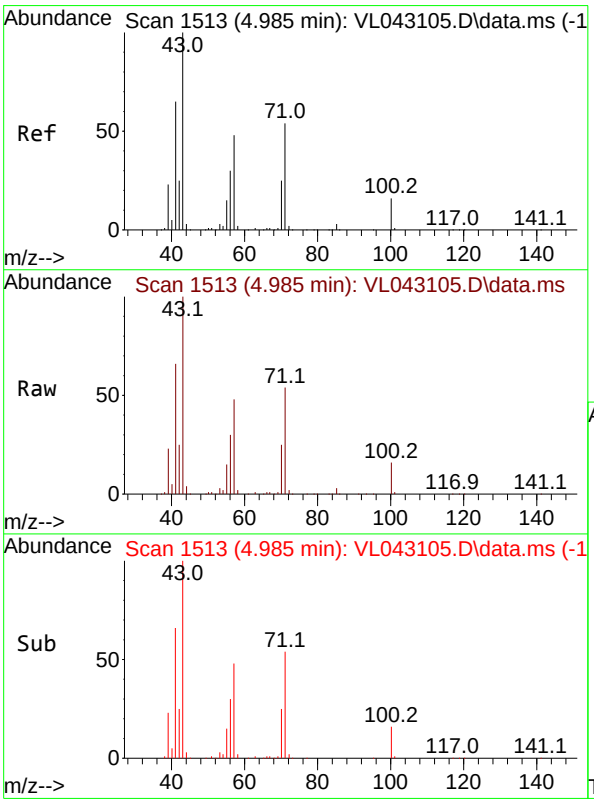
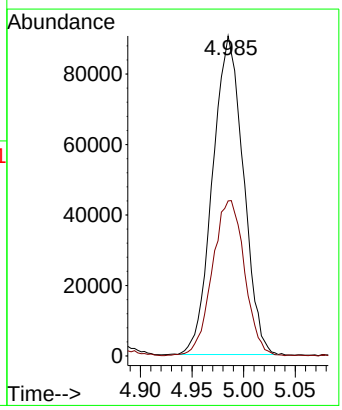
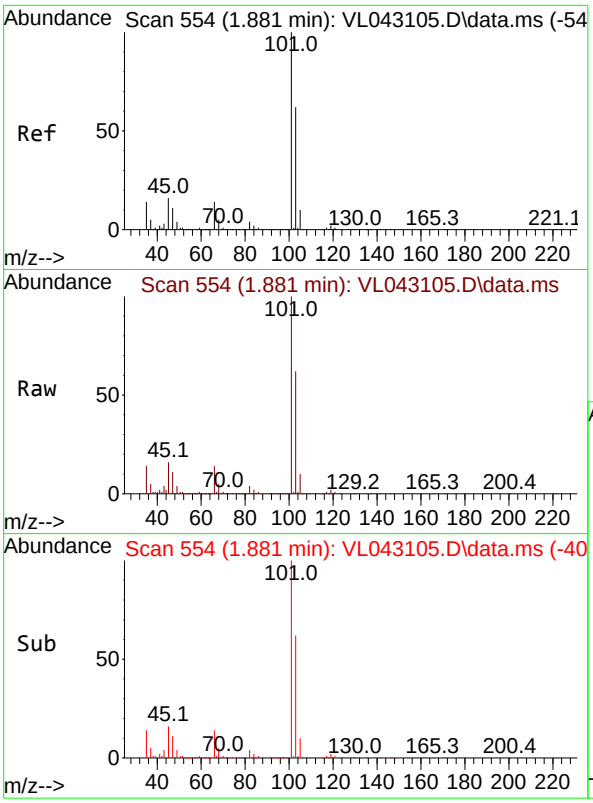


#10
Heptane
Concen: 9.217 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 187423

Ion	Ratio	Lower	Upper
43	100		
57	50.9	40.8	61.2

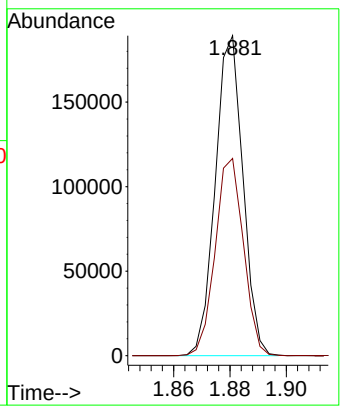




#11
Trichlorofluoromethane
Concen: 8.935 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:101 Resp: 12918

Ion	Ratio	Lower	Upper
101	100		
103	61.6	49.3	73.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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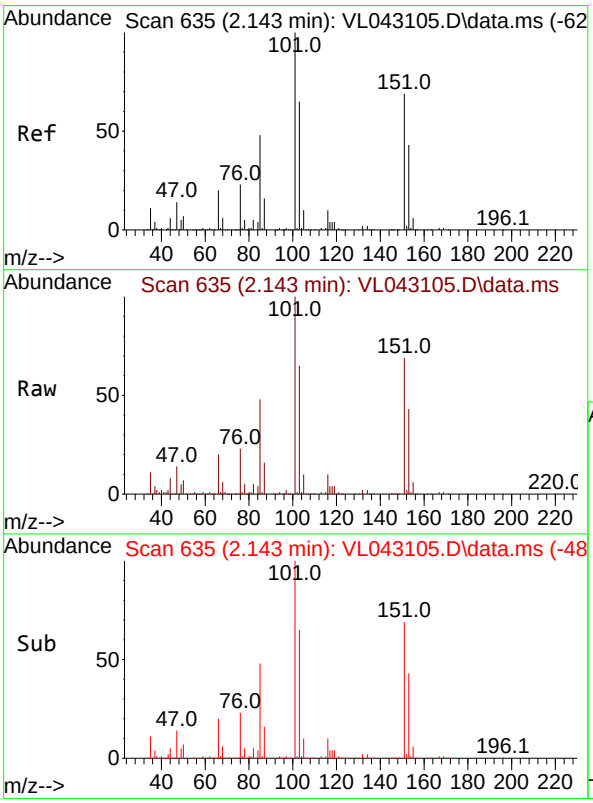
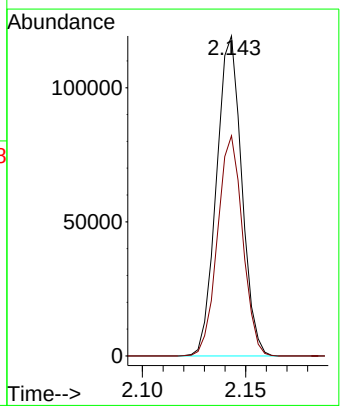
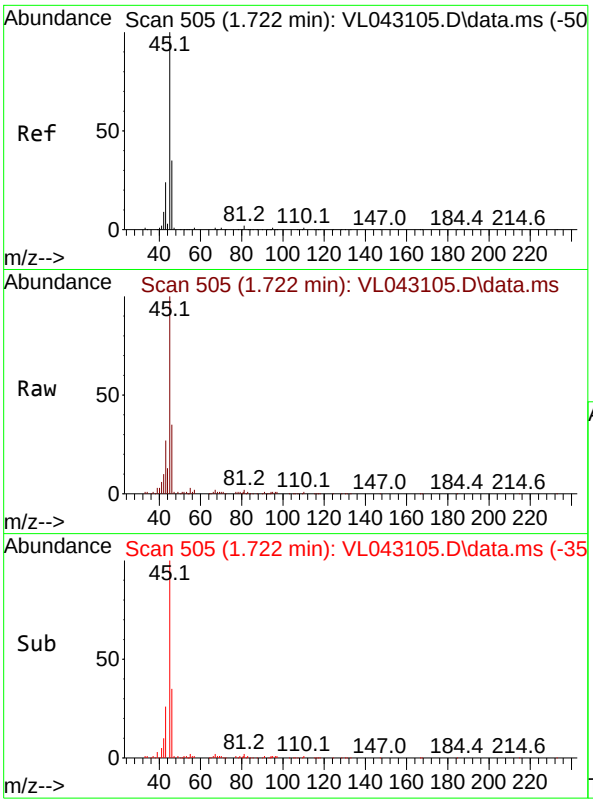


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.715 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:101 Resp: 101442

Ion	Ratio	Lower	Upper
101	100		
151	68.4	54.7	82.1

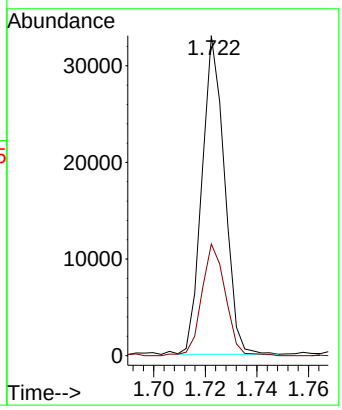




#13
Ethanol
Concen: 7.640 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 45 Resp: 2004

Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.7	58.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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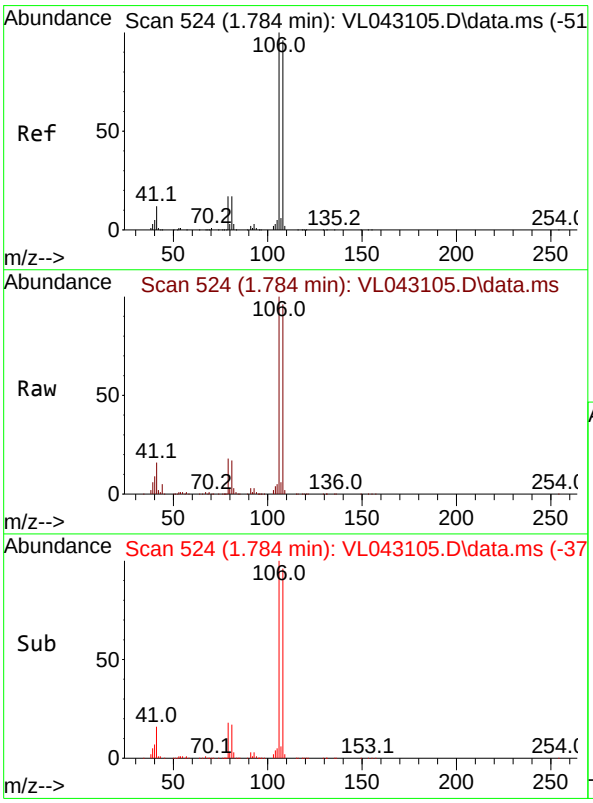
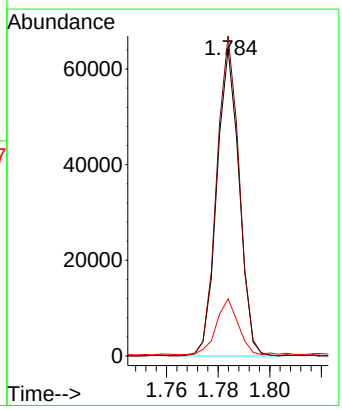
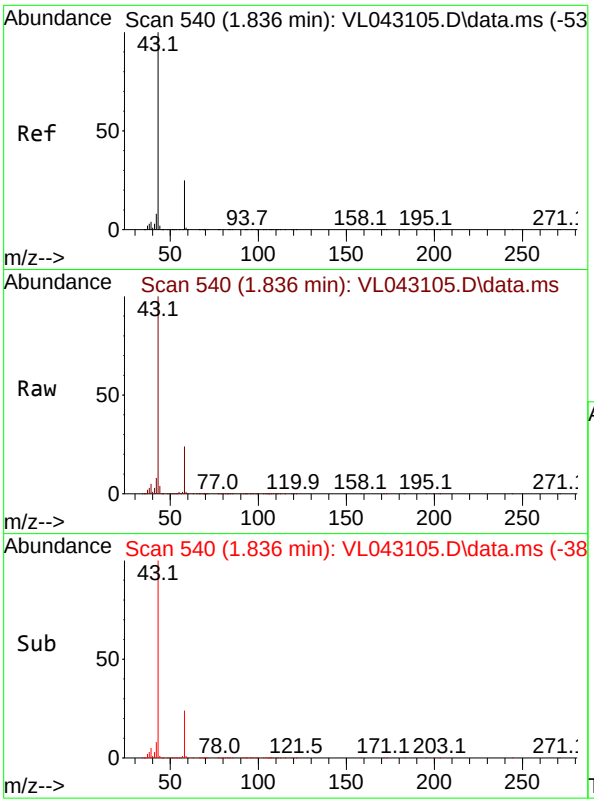


#14
Bromoethene
Concen: 8.916 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:108 Resp: 38553

Ion	Ratio	Lower	Upper
108	100		
106	105.5	84.4	126.6
79	19.1	15.3	22.9

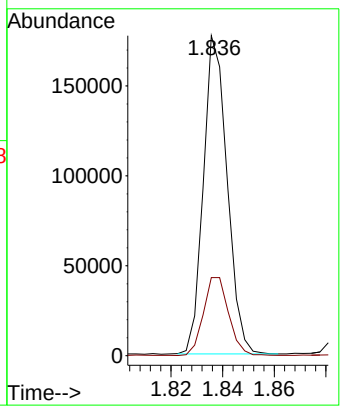




#15
Acetone
Concen: 8.047 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 113399

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.8	31.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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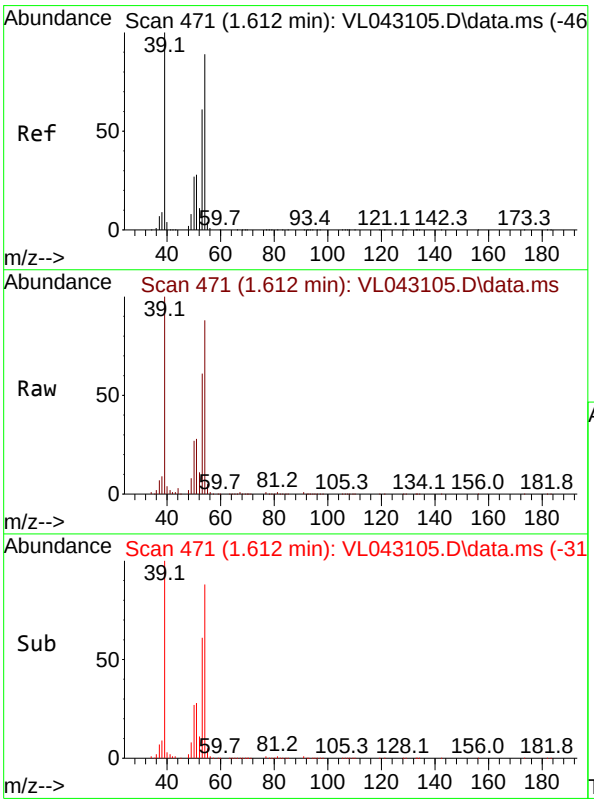
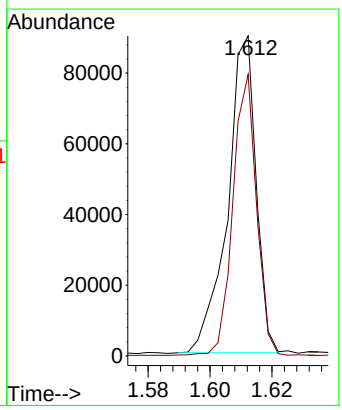
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

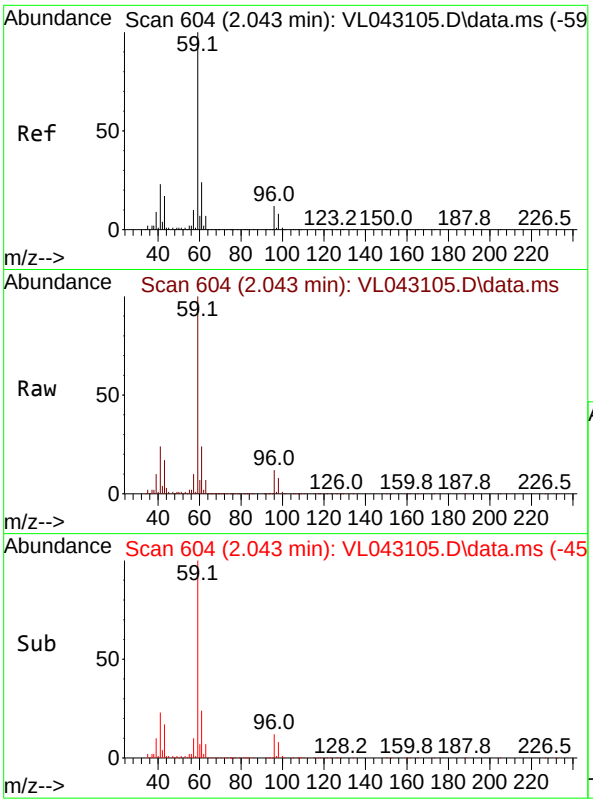


#16
1,3-Butadiene
Concen: 8.596 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 39 Resp: 57406

Ion	Ratio	Lower	Upper
39	100		
54	73.7	59.0	88.4

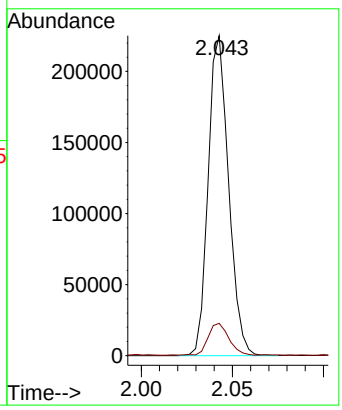




#17
tert-Butyl alcohol
Concen: 9.130 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 59 Resp: 17563

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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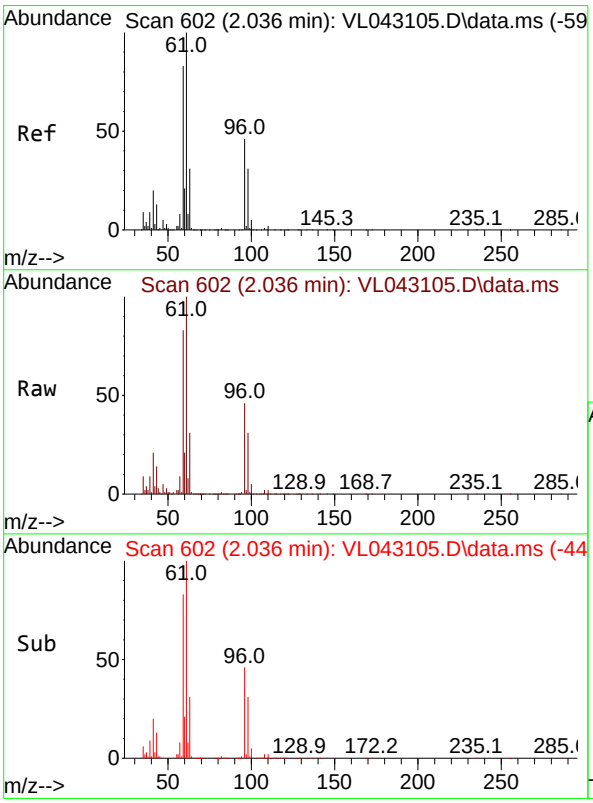
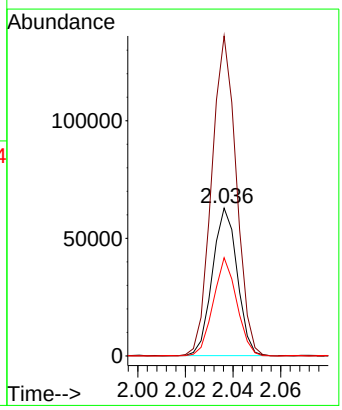
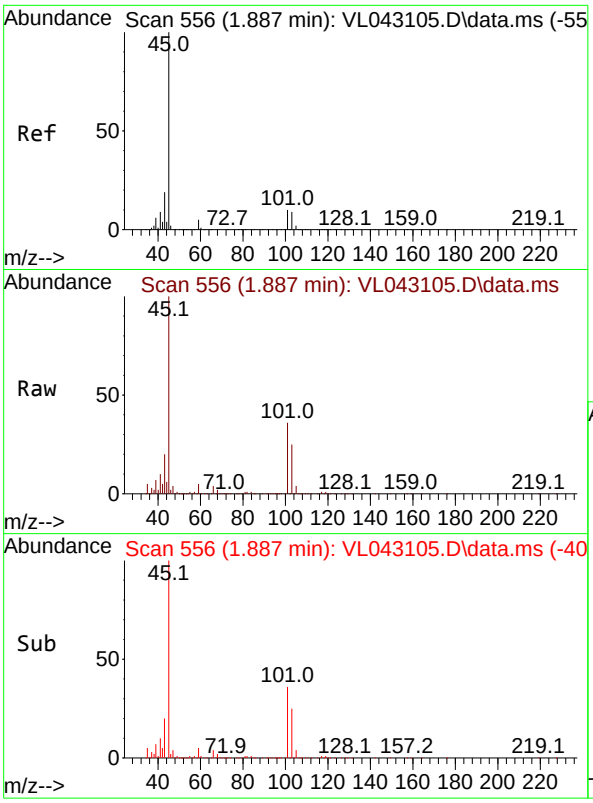


#18
1,1-Dichloroethene
Concen: 8.949 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 96 Resp: 45413

Ion	Ratio	Lower	Upper
96	100		
61	216.7	173.4	260.0
98	66.5	53.2	79.8

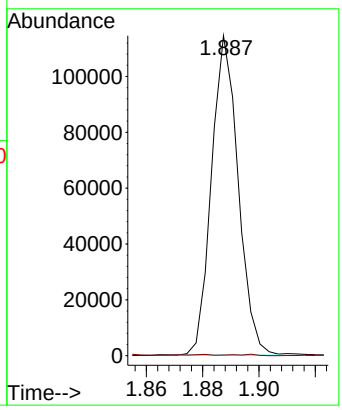




#19
Isopropyl Alcohol
Concen: 8.634 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 45 Resp: 7535

Ion	Ratio	Lower	Upper
45	100		
58	41.1	31.3	46.9



Instrument :
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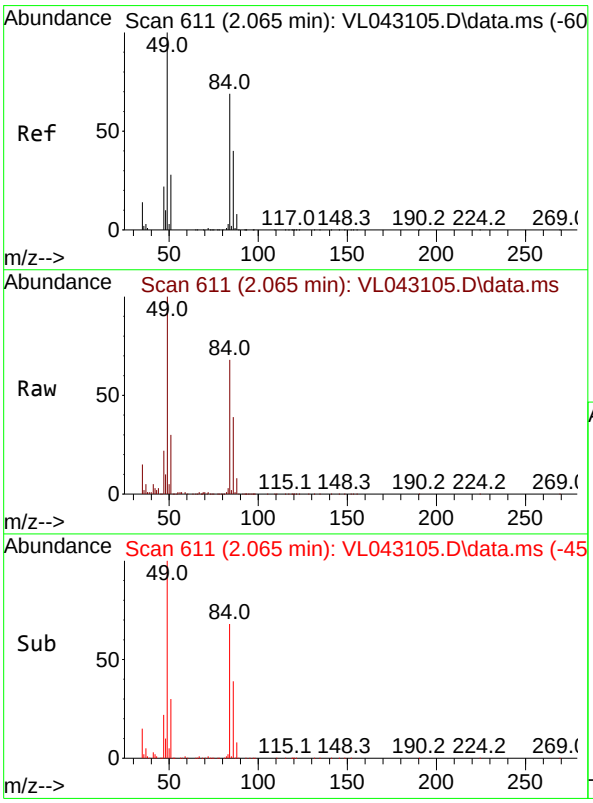
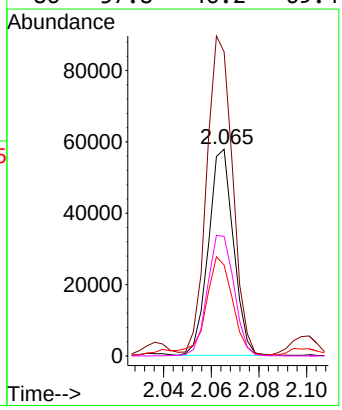
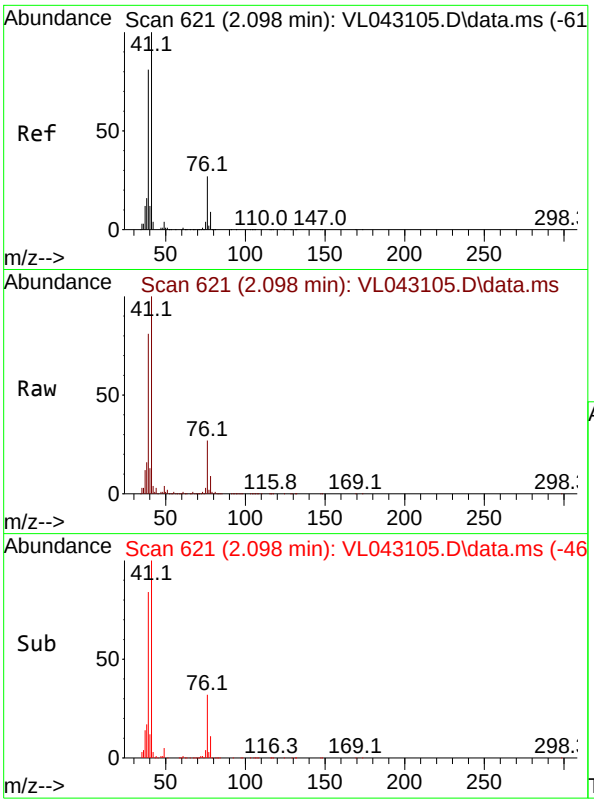


#20
Methylene Chloride
Concen: 7.620 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 84 Resp: 42212

Ion	Ratio	Lower	Upper
84	100		
49	145.8	116.6	175.0
51	43.5	34.8	52.2
86	57.8	46.2	69.4

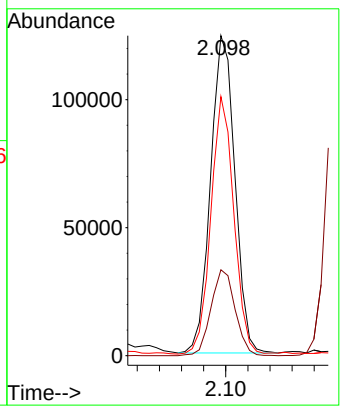




#21
Allyl Chloride
Concen: 9.145 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 41 Resp: 9462

Ion	Ratio	Lower	Upper
41	100		
76	26.9	21.5	32.3
39	76.4	60.8	91.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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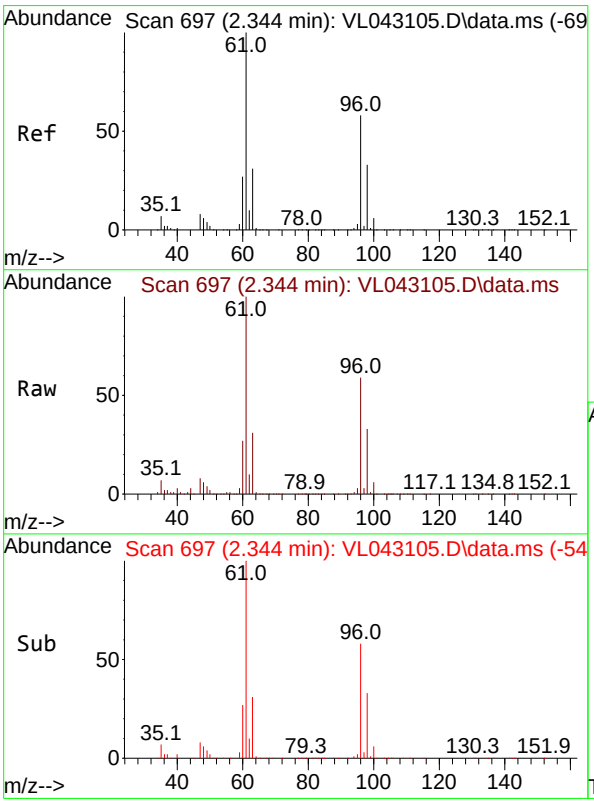
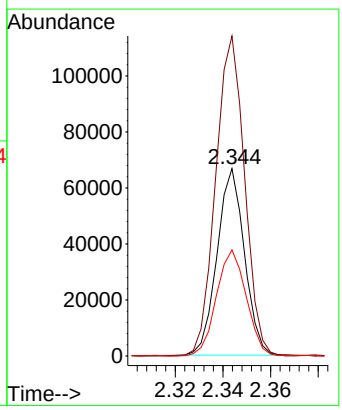
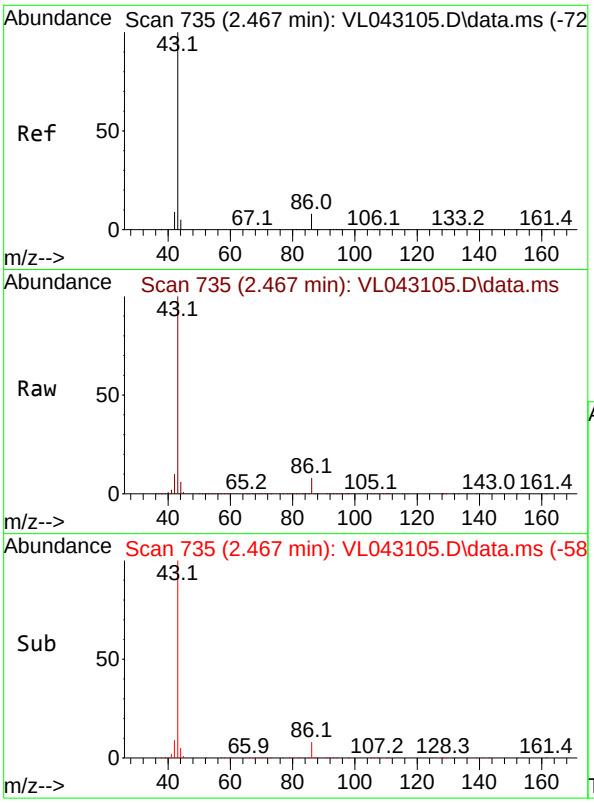


#22
trans-1,2-Dichloroethene
Concen: 8.761 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 96 Resp: 53146

Ion	Ratio	Lower	Upper
96	100		
61	171.3	137.0	205.6
98	56.9	45.5	68.3

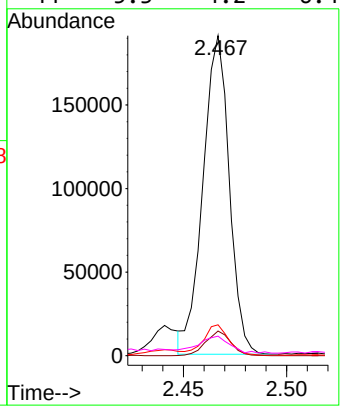




#23
Vinyl Acetate
Concen: 8.218 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 16870

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	9.5	7.6	11.4
44	5.3	4.2	6.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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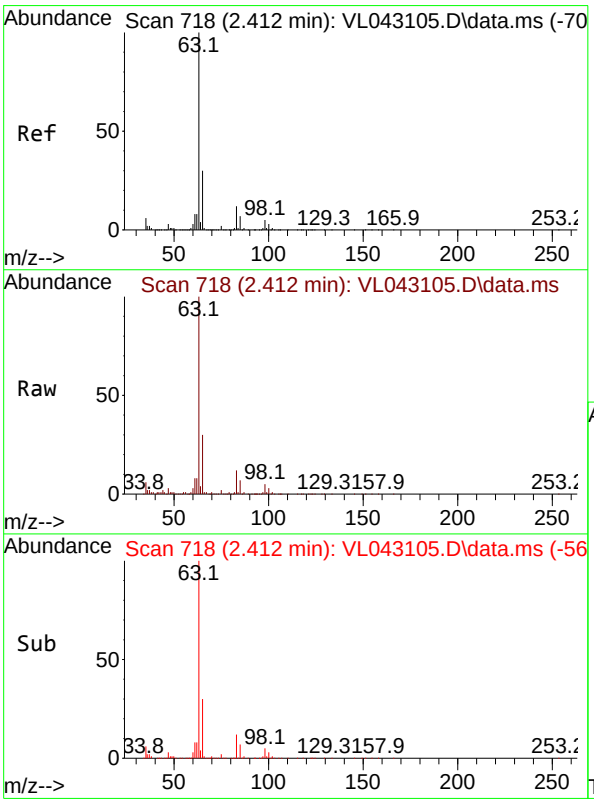
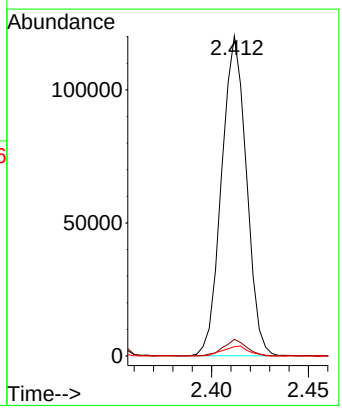
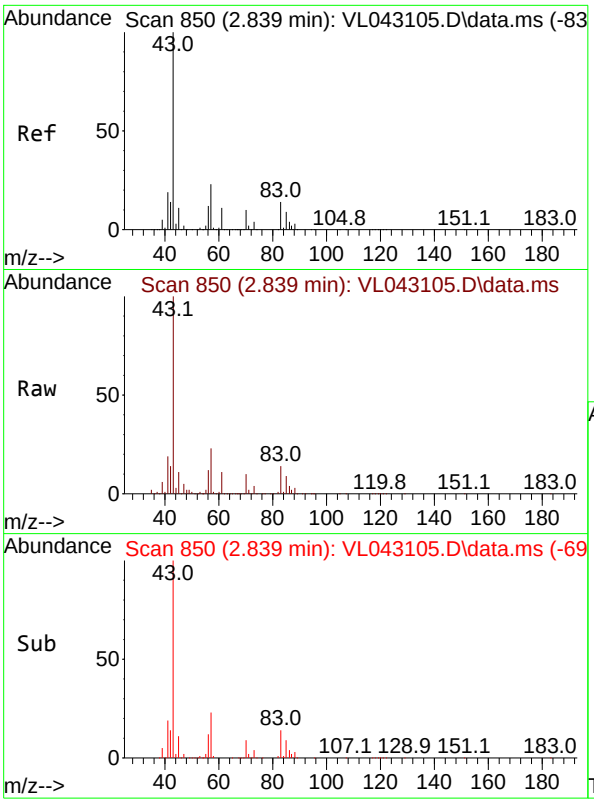


#24
1,1-Dichloroethane
Concen: 9.143 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 63 Resp: 107153

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.6	7.8
100	2.9	1.5	4.4

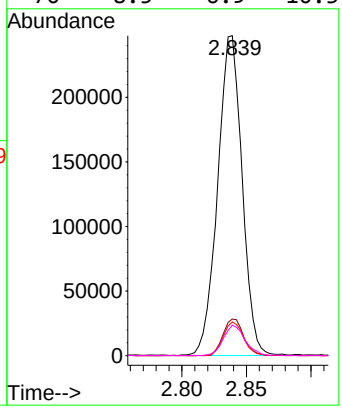




#25
Ethyl Acetate
Concen: 9.371 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 32566

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	8.8	7.0	10.6
70	8.5	6.9	10.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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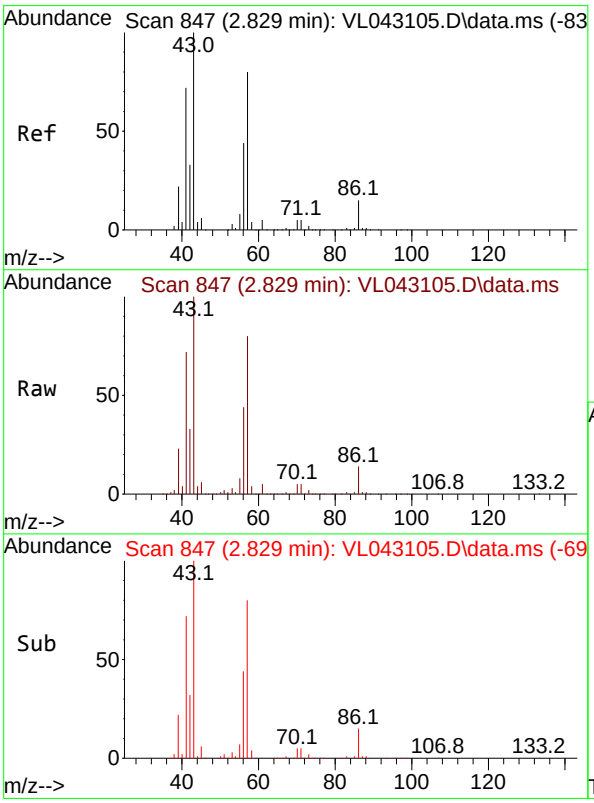
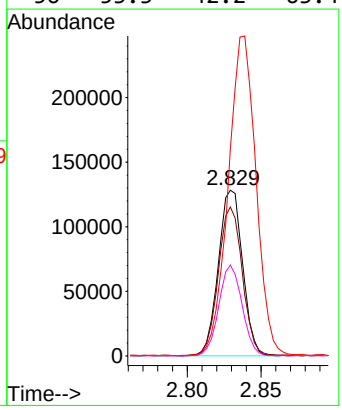
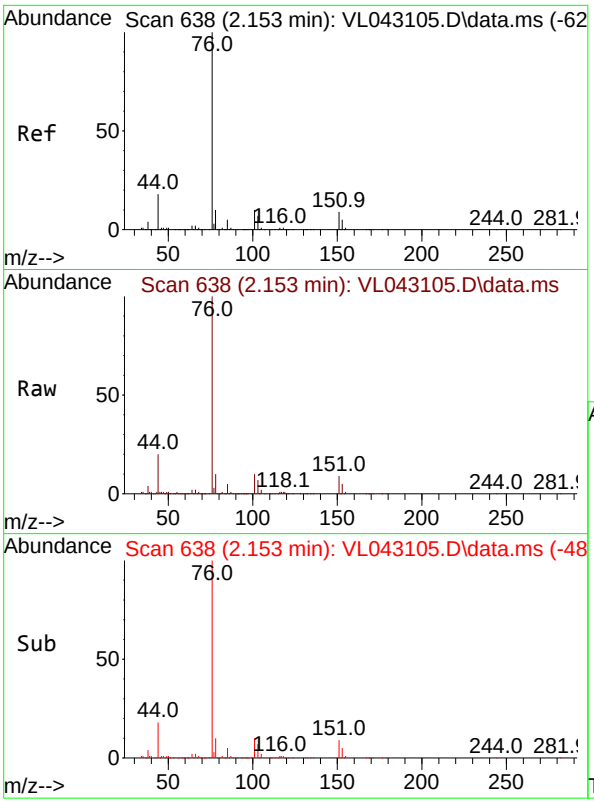


#26
Hexane
Concen: 9.128 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 57 Resp: 146168

Ion	Ratio	Lower	Upper
57	100		
41	90.2	71.4	107.0
43	222.4	178.5	267.7
56	53.3	42.2	63.4

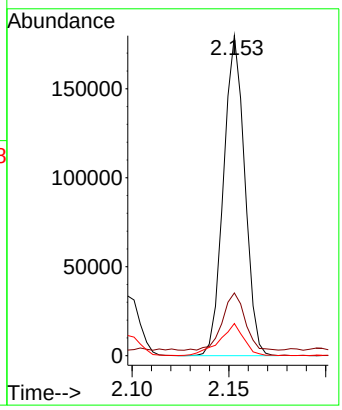




#27
Carbon Disulfide
Concen: 9.319 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 76 Resp: 13672

Ion	Ratio	Lower	Upper
76	100		
44	20.1	16.7	25.1
78	11.5	9.3	13.9



Instrument :
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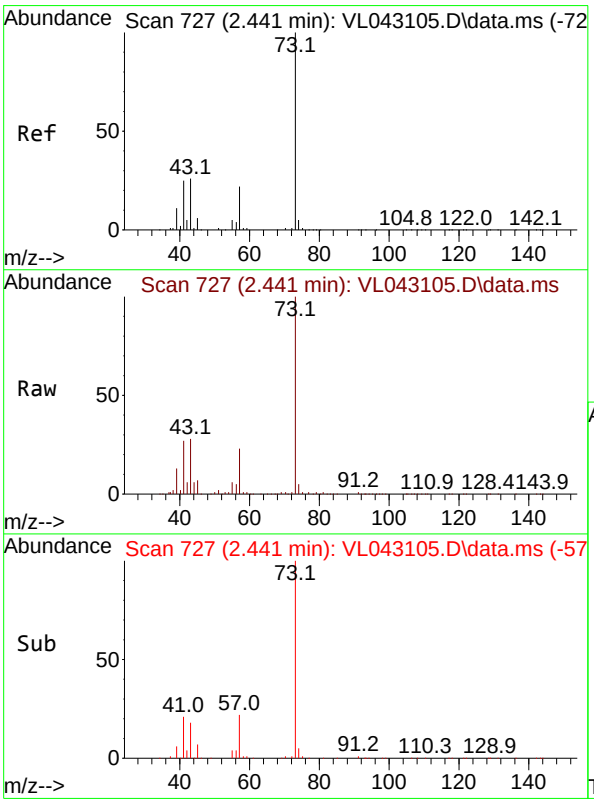
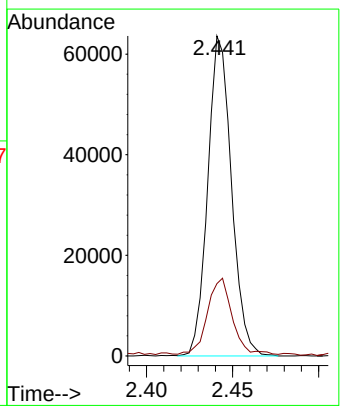
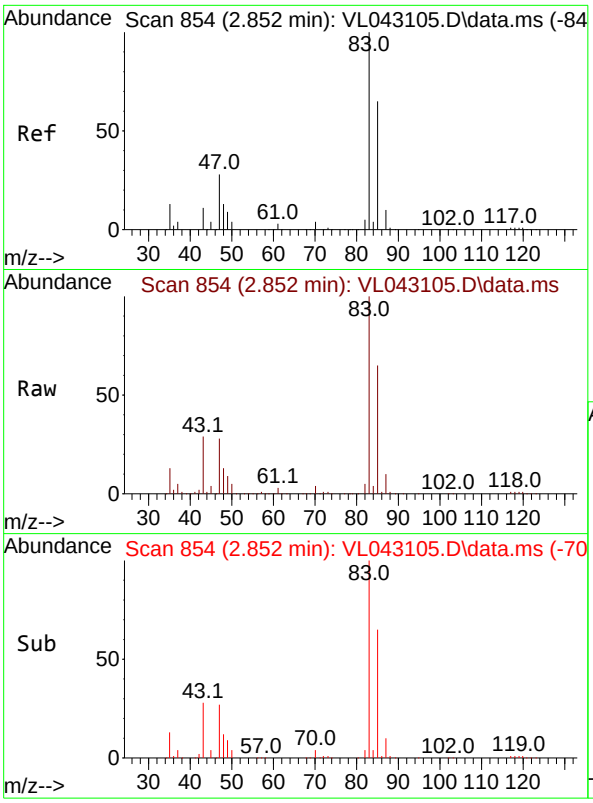


#28
Methyl tert-Butyl Ether
Concen: 8.384 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 73 Resp: 61076

Ion	Ratio	Lower	Upper
73	100		
57	24.8	20.5	30.7

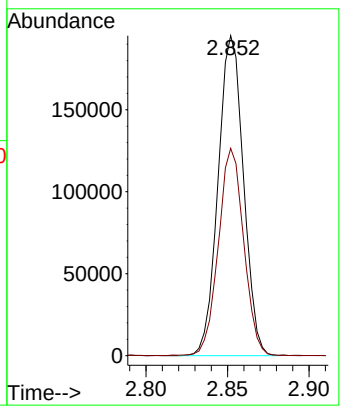




#29
Chloroform
Concen: 9.097 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 83 Resp: 21107

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



Instrument :
MSVOA_L
ClientSampleId :
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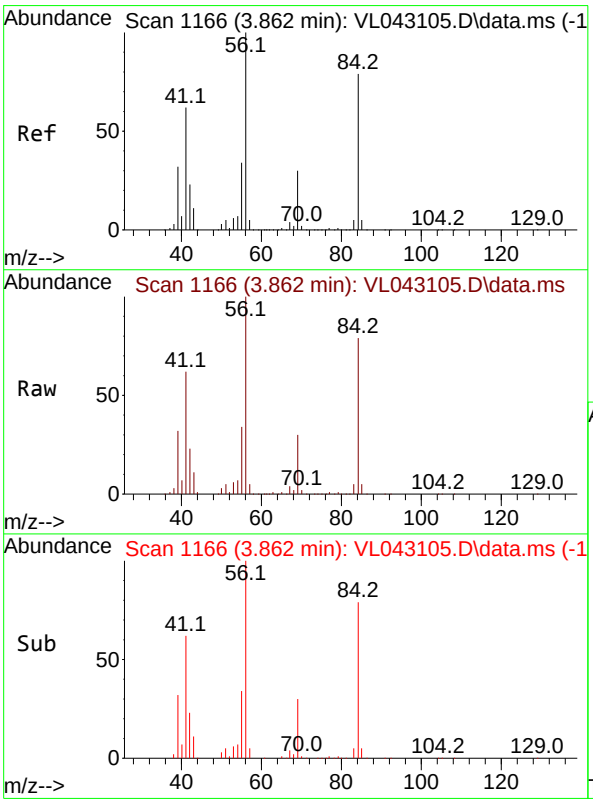
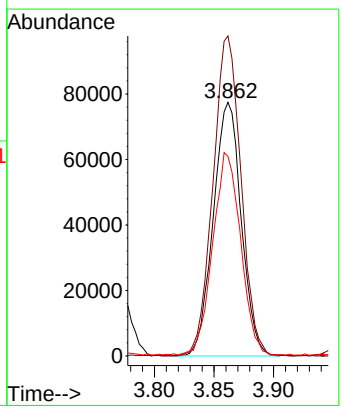
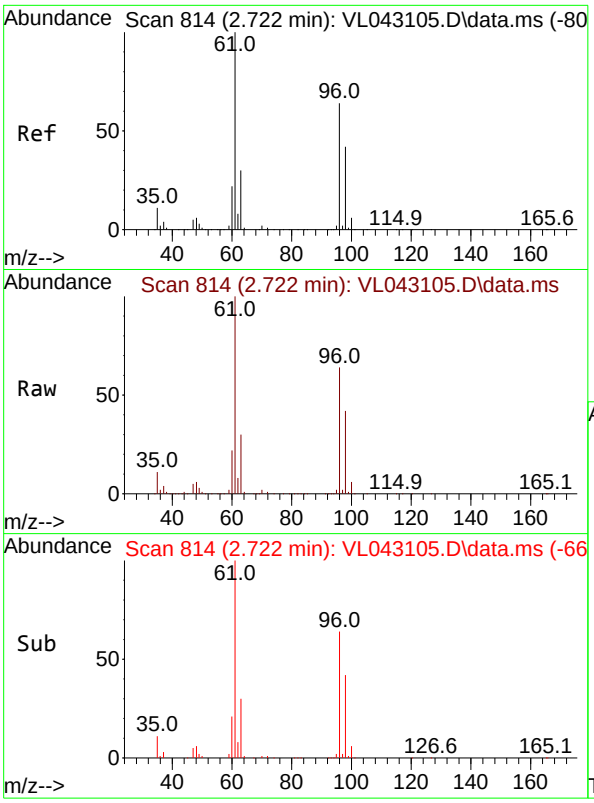


#30
Cyclohexane
Concen: 9.037 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 84 Resp: 126226

Ion	Ratio	Lower	Upper
84	100		
56	126.5	100.9	151.3
41	79.8	63.8	95.6

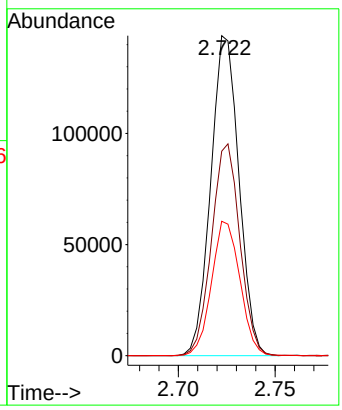




#31
cis-1,2-Dichloroethene
Concen: 9.553 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 61 Resp: 14607

Ion	Ratio	Lower	Upper
61	100		
96	63.8	51.0	76.6
98	41.9	33.5	50.3



Instrument :
MSVOA_L
ClientSampleId :
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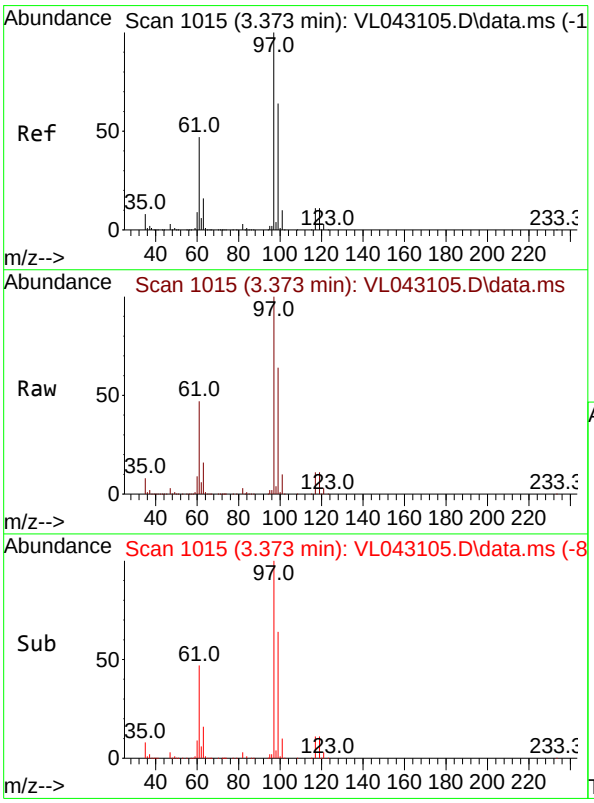
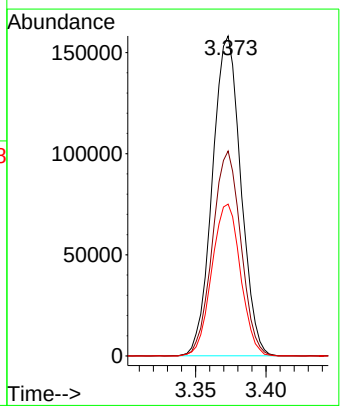
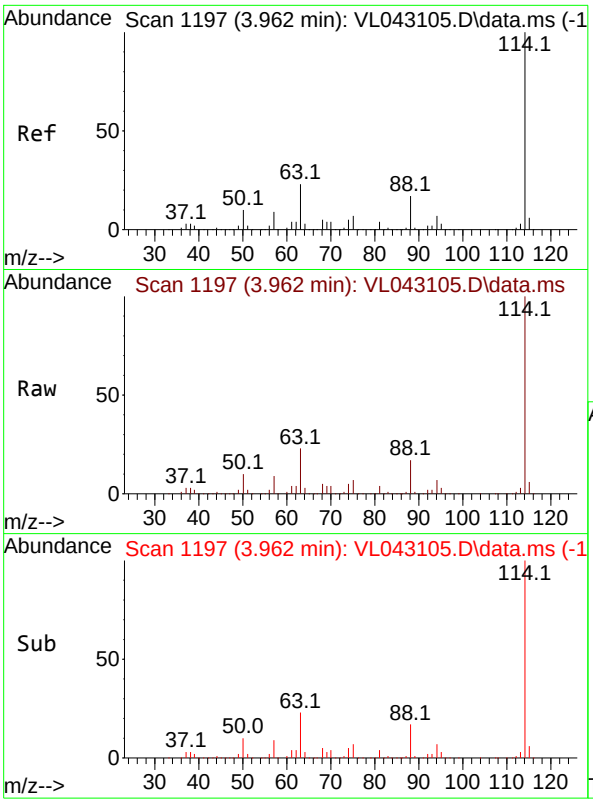


#32
1,1,1-Trichloroethane
Concen: 9.189 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 97 Resp: 222043

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	48.0	38.4	57.6

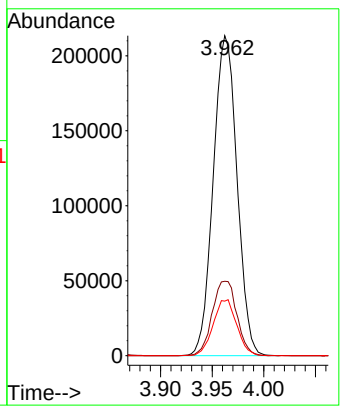




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:114 Resp: 34179

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	17.4	13.9	20.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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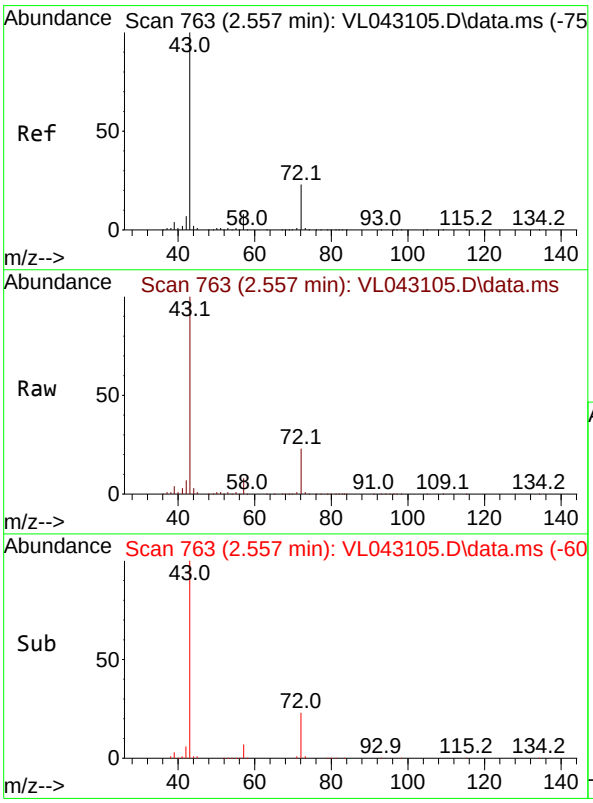
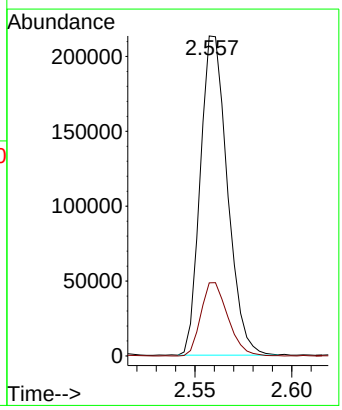
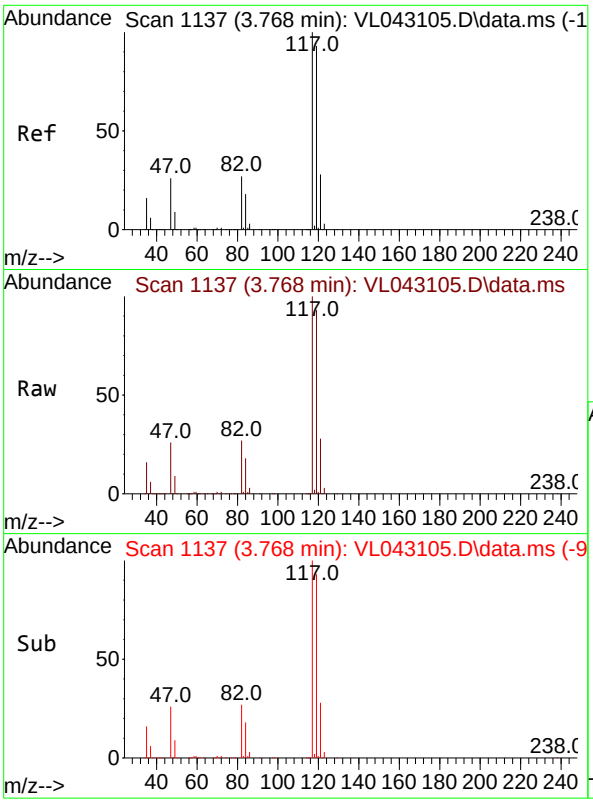


#34
2-Butanone
Concen: 8.971 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 207274

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6

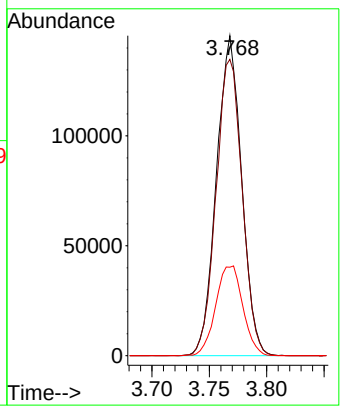




#35
Carbon Tetrachloride
Concen: 9.032 ppbv
RT: 3.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:117 Resp: 22193

Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.1	111.1
121	27.7	22.2	33.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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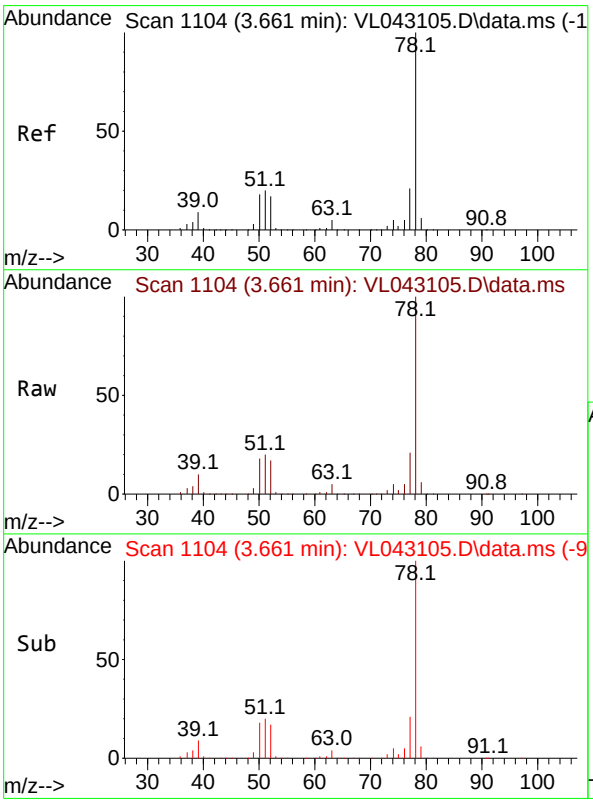
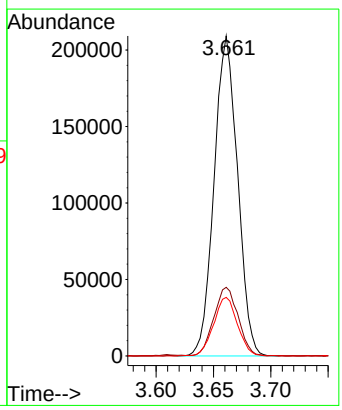
Supervised By :Mahesh Dadoda 10/16/2025

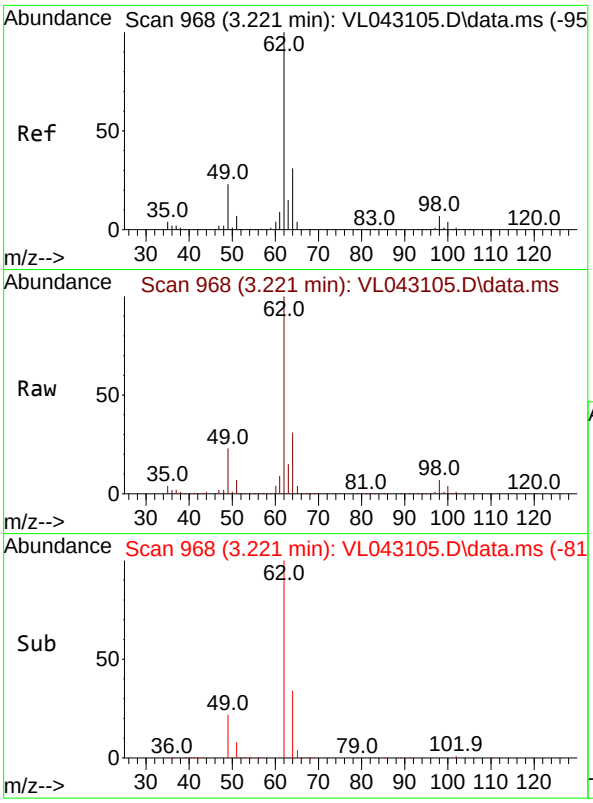


#36
Benzene
Concen: 9.246 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 78 Resp: 297653

Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.0	25.6
50	18.3	14.6	22.0

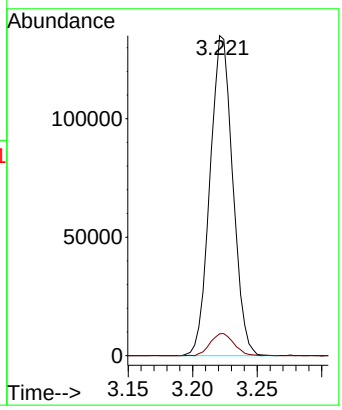




#37
1,2-Dichloroethane
Concen: 8.946 ppbv
RT: 3.221 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 62 Resp: 16589

Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.8	8.6



Instrument :
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VSTDICCC010

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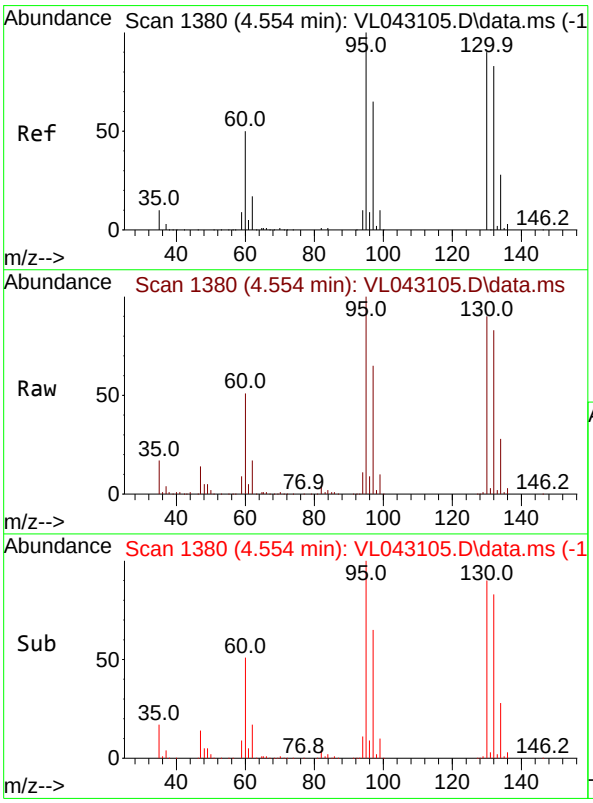
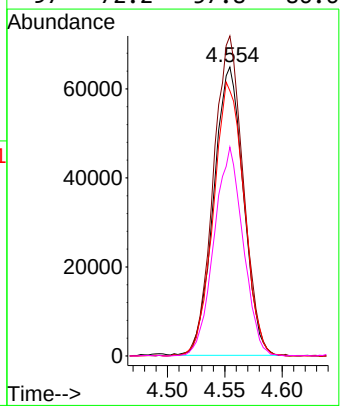
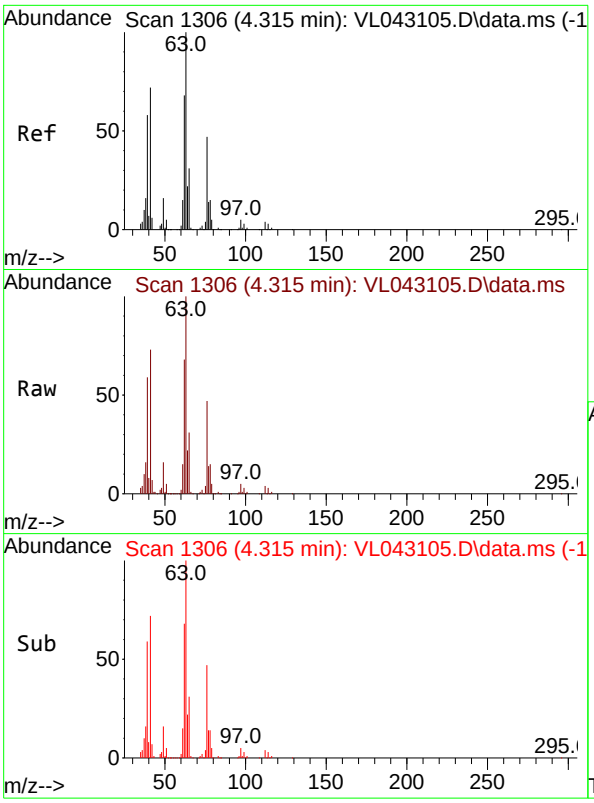


#38
Trichloroethene
Concen: 8.708 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:130 Resp: 116947

Ion	Ratio	Lower	Upper
130	100		
95	110.8	88.6	133.0
132	91.7	73.4	110.0
97	72.2	57.8	86.6

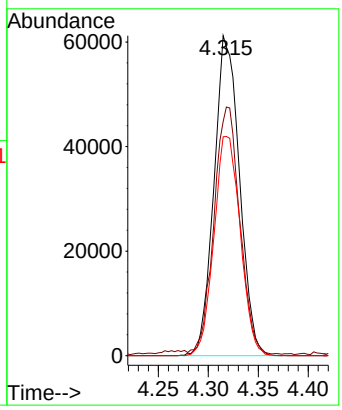




#39
1,2-Dichloropropane
Concen: 9.207 ppbv
RT: 4.315 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 63 Resp: 10844

Ion	Ratio	Lower	Upper
63	100		
41	72.5	58.0	87.0
62	68.4	54.7	82.1



Instrument :
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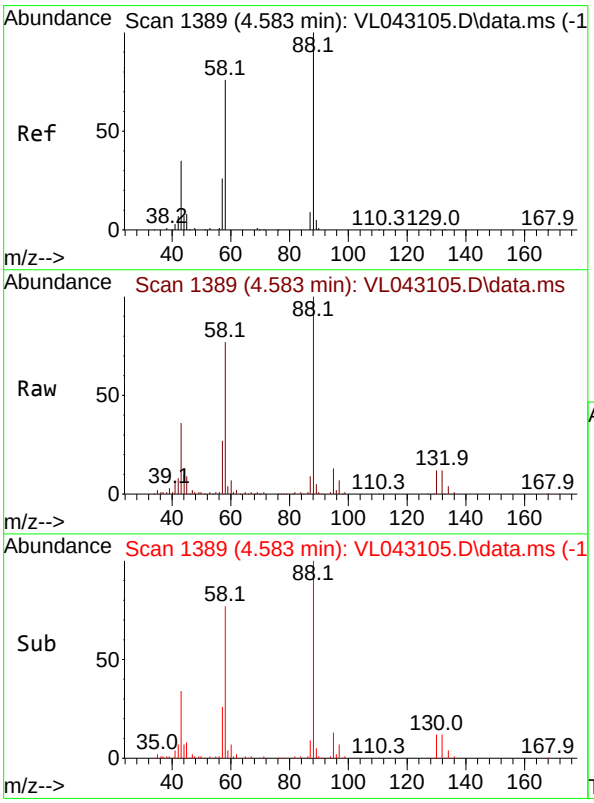
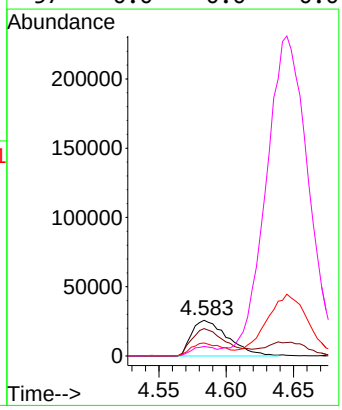
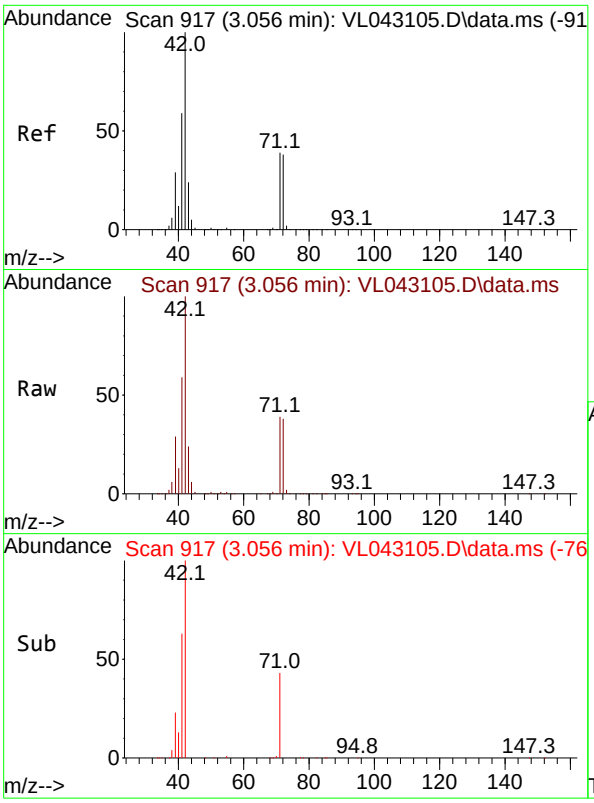


#40
1,4-Dioxane
Concen: 9.153 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 88 Resp: 48201

Ion	Ratio	Lower	Upper
88	100		
58	74.3	61.1	91.7
43	33.3	24.0	36.0
57	0.0	0.0	0.0

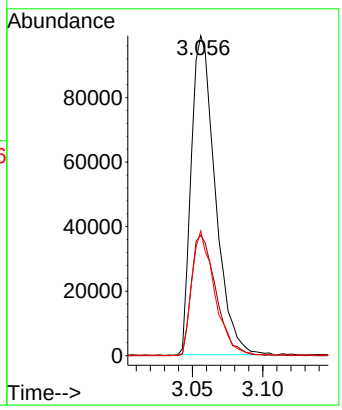




#41
Tetrahydrofuran
Concen: 9.076 ppbv
RT: 3.056 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 42 Resp: 11706

Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.3	46.9
71	37.8	30.4	45.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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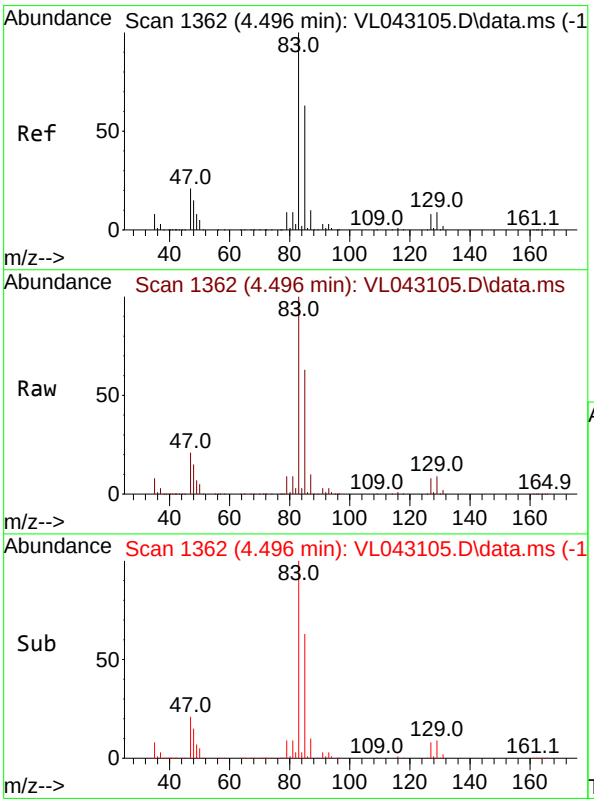
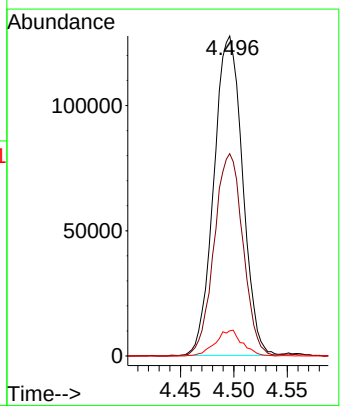
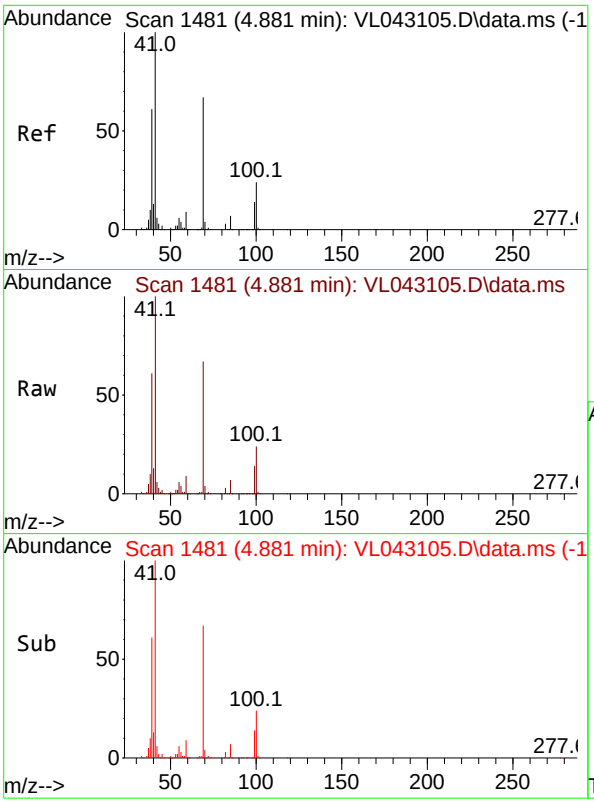


#42
Bromodichloromethane
Concen: 9.286 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 83 Resp: 238353

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	7.9	6.3	9.5

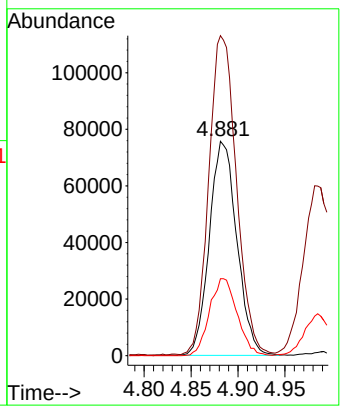




#43
Methyl Methacrylate
Concen: 9.371 ppbv
RT: 4.881 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 69 Resp: 15392

Ion	Ratio	Lower	Upper
69	100		
41	149.8	120.5	180.7
100	36.2	29.0	43.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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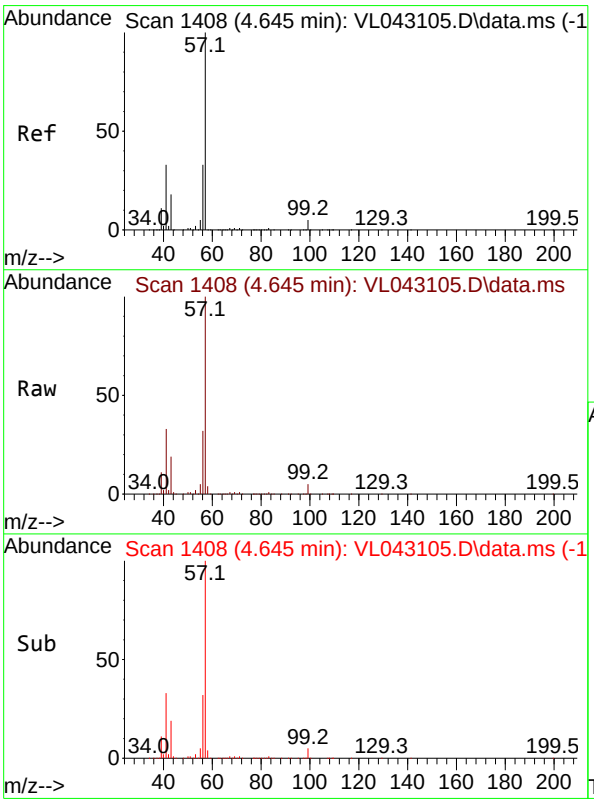
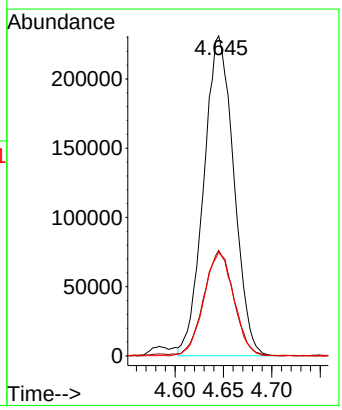
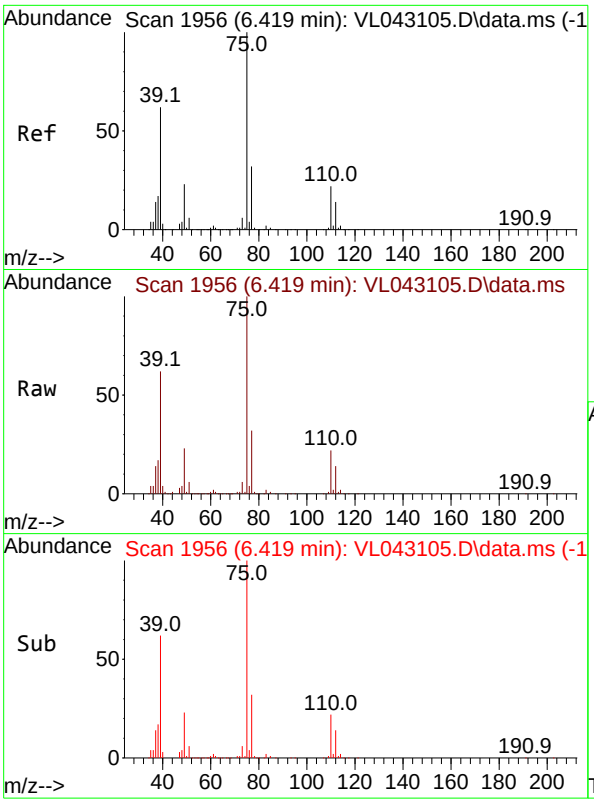


#44
2,2,4-Trimethylpentane
Concen: 9.273 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 57 Resp: 499148

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.3	39.5
56	32.1	25.9	38.9

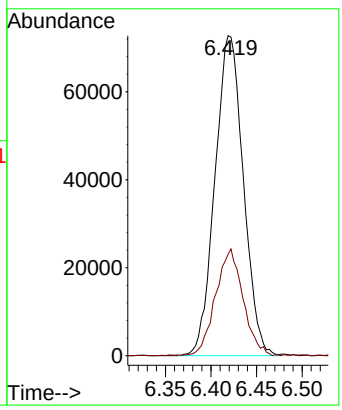




#45
t-1,3-Dichloropropene
Concen: 9.620 ppbv
RT: 6.419 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 75 Resp: 15785

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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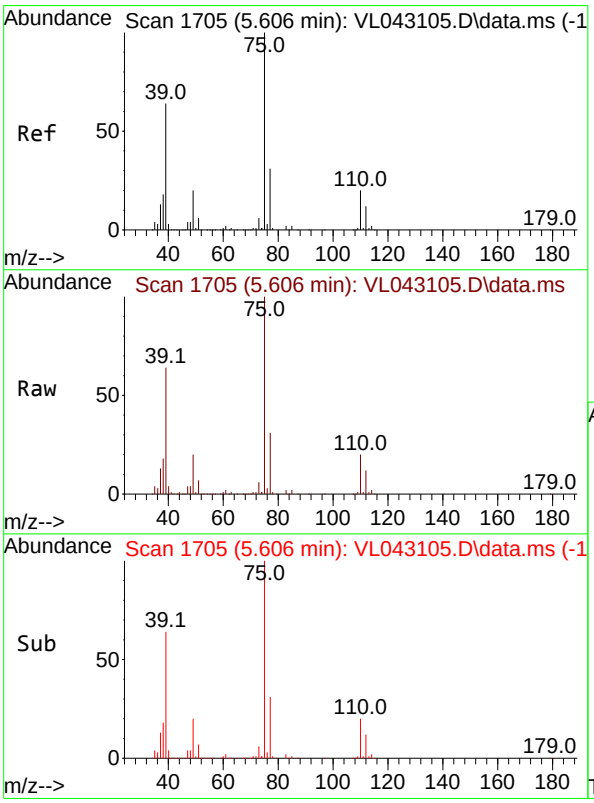
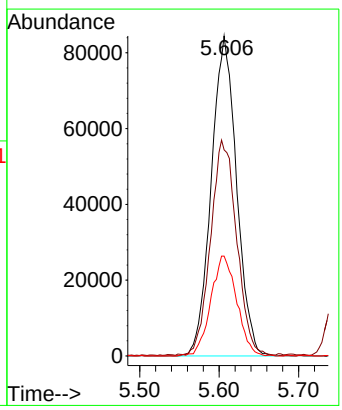
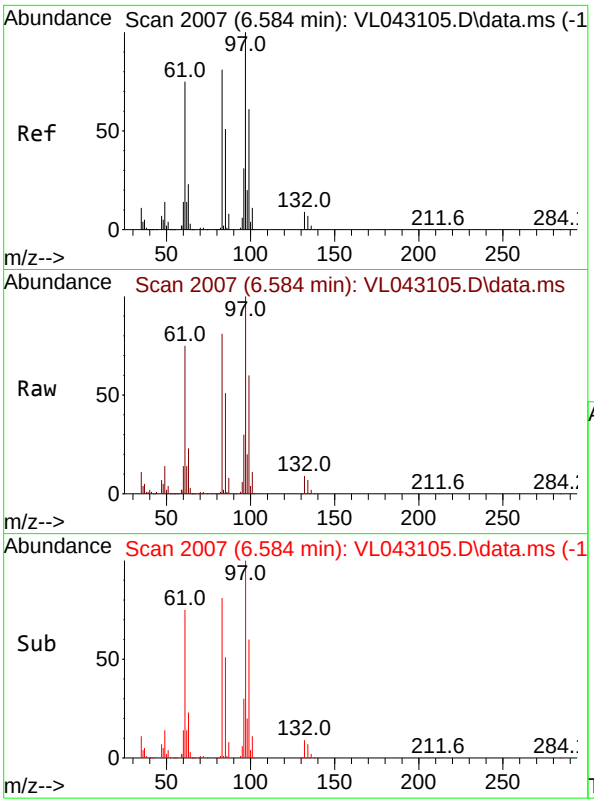


#46
cis-1,3-Dichloropropene
Concen: 9.525 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 75 Resp: 186533

Ion	Ratio	Lower	Upper
75	100		
39	63.8	51.0	76.6
77	31.2	25.0	37.4

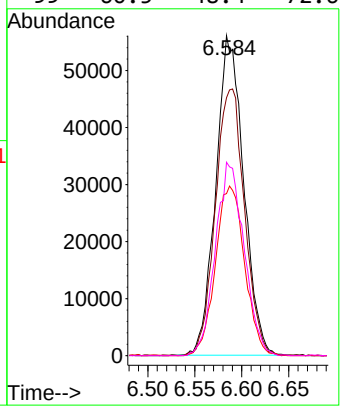




#47
1,1,2-Trichloroethane
Concen: 9.082 ppbv
RT: 6.584 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 97 Resp: 11541

Ion	Ratio	Lower	Upper
97	100		
83	80.7	64.6	96.8
85	50.7	40.6	60.8
99	60.5	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
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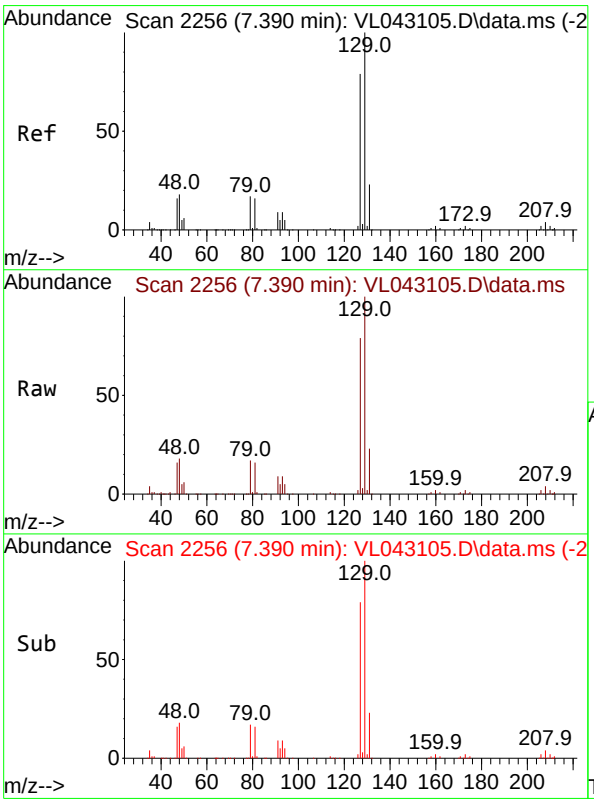
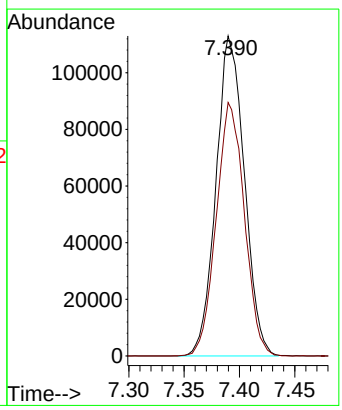
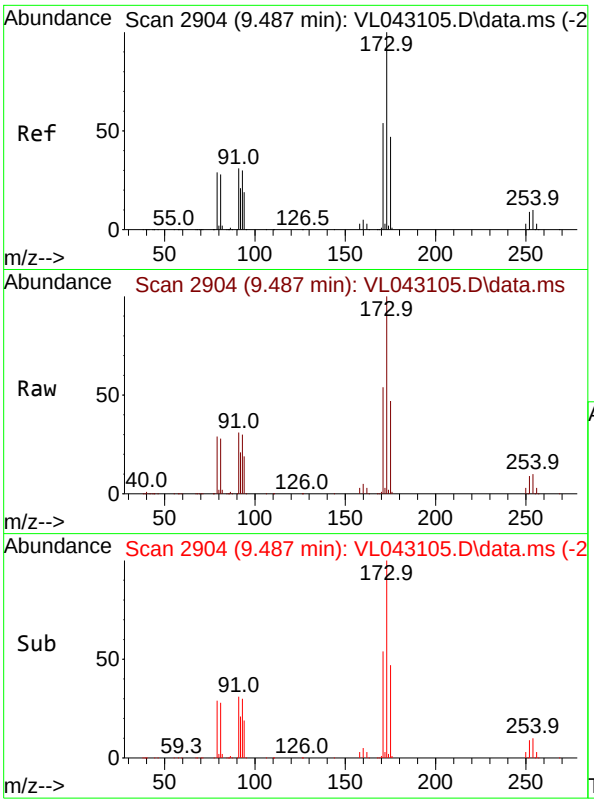


#48
Dibromochloromethane
Concen: 9.476 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:129 Resp: 201349

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9

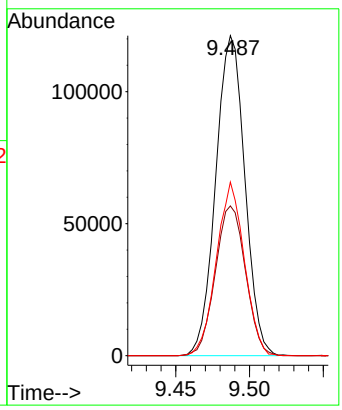




#49
Bromoform
Concen: 9.633 ppbv
RT: 9.487 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:173 Resp: 16637

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.8	58.2
171	52.1	41.7	62.5



Instrument :
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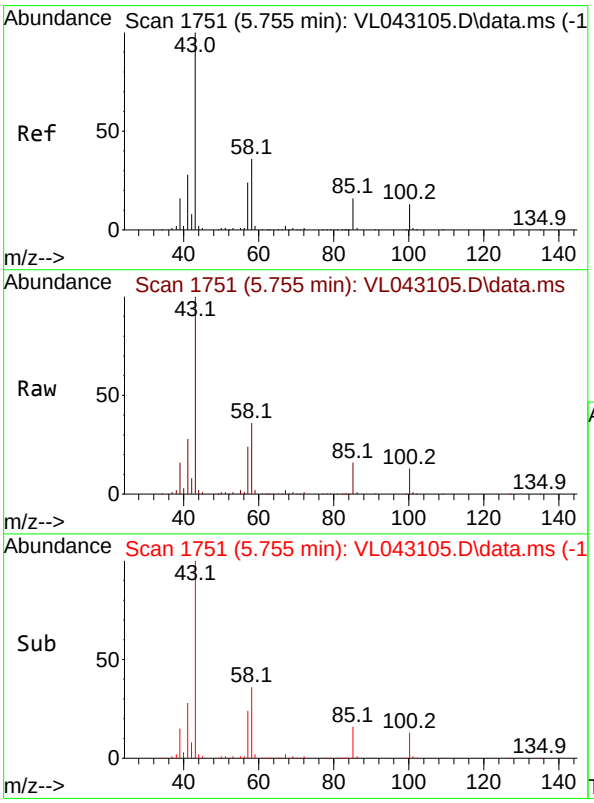
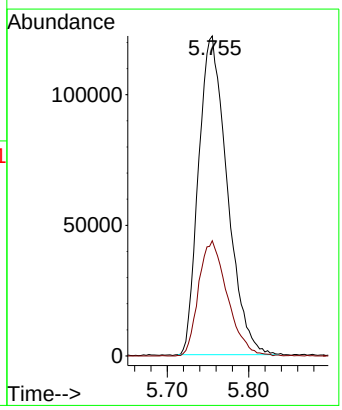
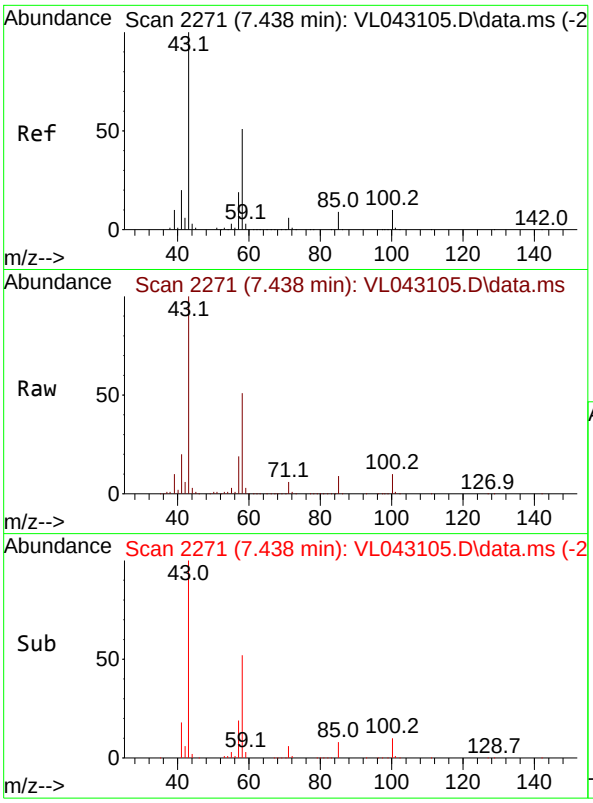


#50
4-Methyl-2-Pentanone
Concen: 9.362 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 298401

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7





#51
2-Hexanone
Concen: 9.940 ppbv
RT: 7.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 23639

Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.4	60.6
98	0.1	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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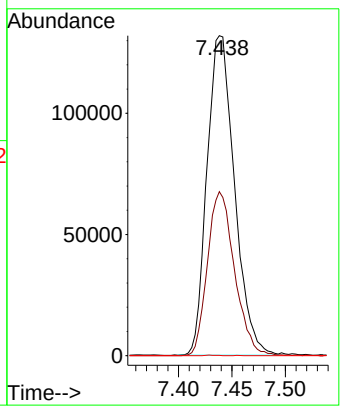
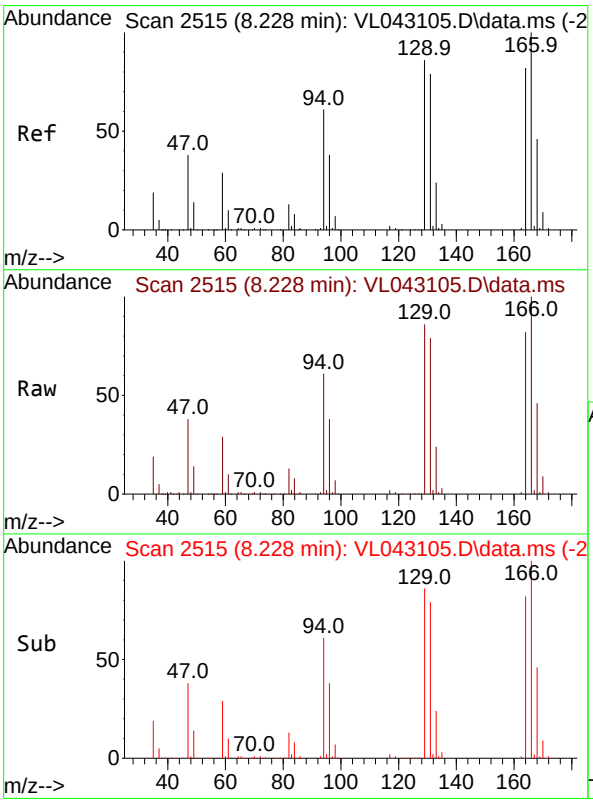
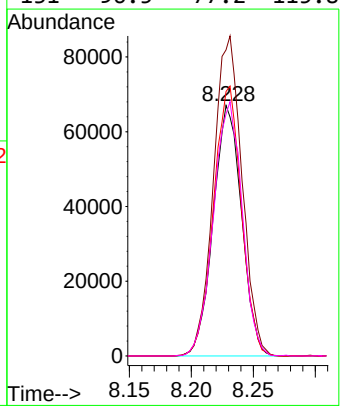


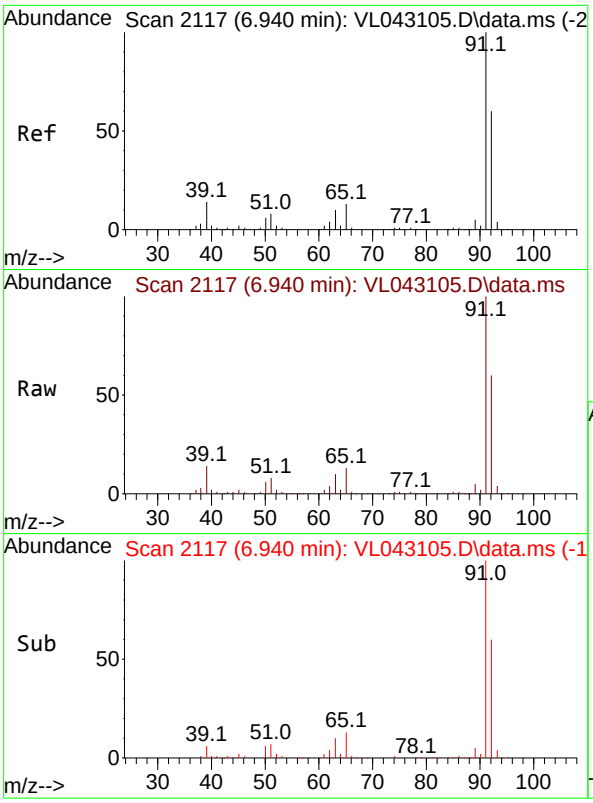


#52
Tetrachloroethene
Concen: 9.192 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:164 Resp: 106710

Ion	Ratio	Lower	Upper
164	100		
166	122.0	97.6	146.4
129	105.6	84.5	126.7
131	96.5	77.2	115.8

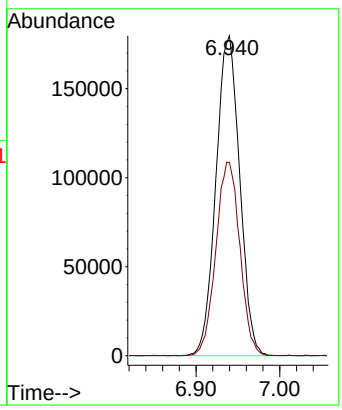




#53
Toluene
Concen: 9.266 ppbv
RT: 6.940 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 35400

Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.8	73.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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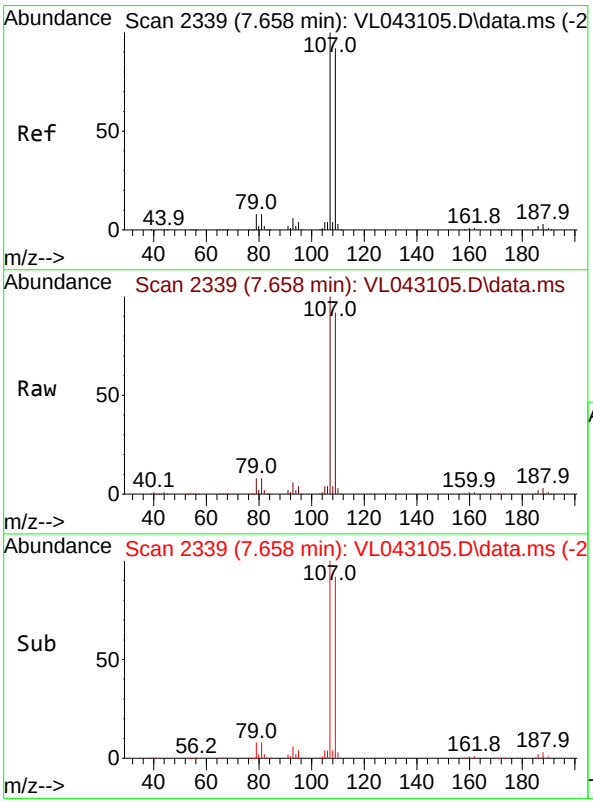
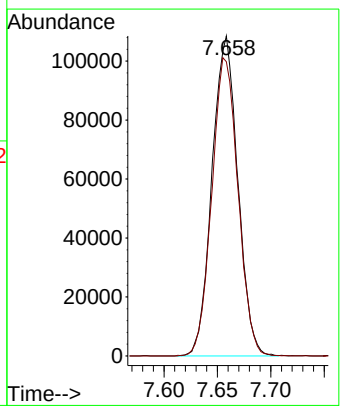
Supervised By :Mahesh Dadoda 10/16/2025

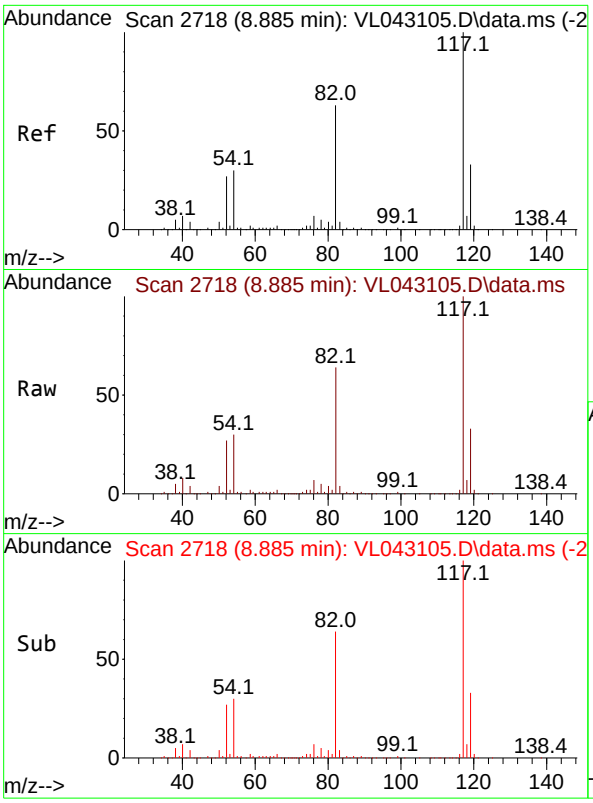


#54
1,2-Dibromoethane
Concen: 9.080 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:107 Resp: 182074

Ion	Ratio	Lower	Upper
107	100		
109	91.8	73.4	110.2

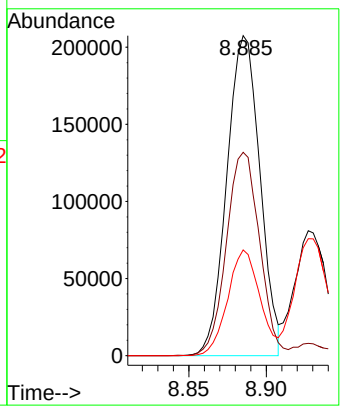




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:117 Resp: 30923

Ion	Ratio	Lower	Upper
117	100		
82	67.3	53.8	80.8
119	33.4	25.4	38.0



Instrument :
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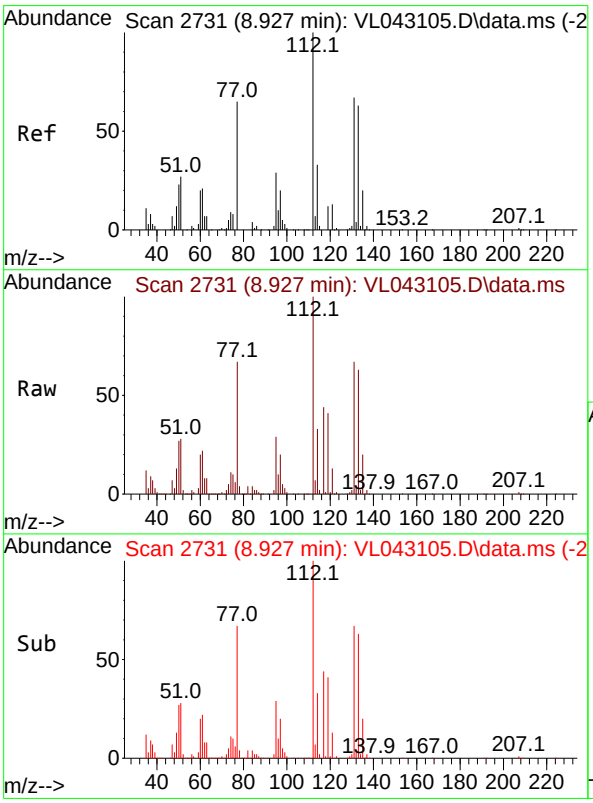
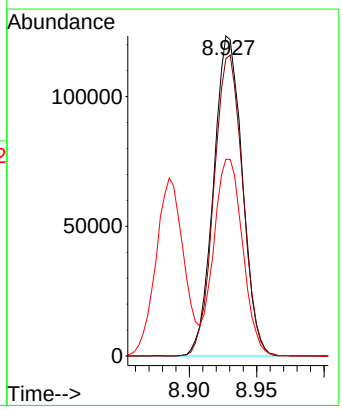
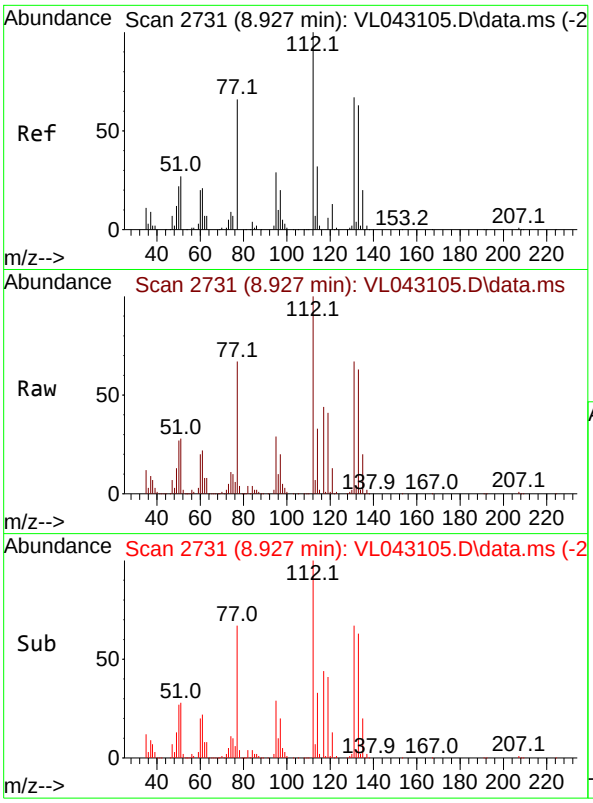


#56
1,1,1,2-Tetrachloroethane
Concen: 9.367 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:131 Resp: 182585

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.7	113.5
119	63.3	50.6	76.0

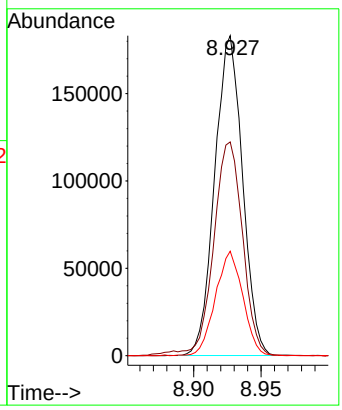




#57
Chlorobenzene
Concen: 9.076 ppbv
RT: 8.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:112 Resp: 26256

Ion	Ratio	Lower	Upper
112	100		
77	66.6	53.3	79.9
114	32.5	29.3	35.8



Instrument :
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ClientSampleId :
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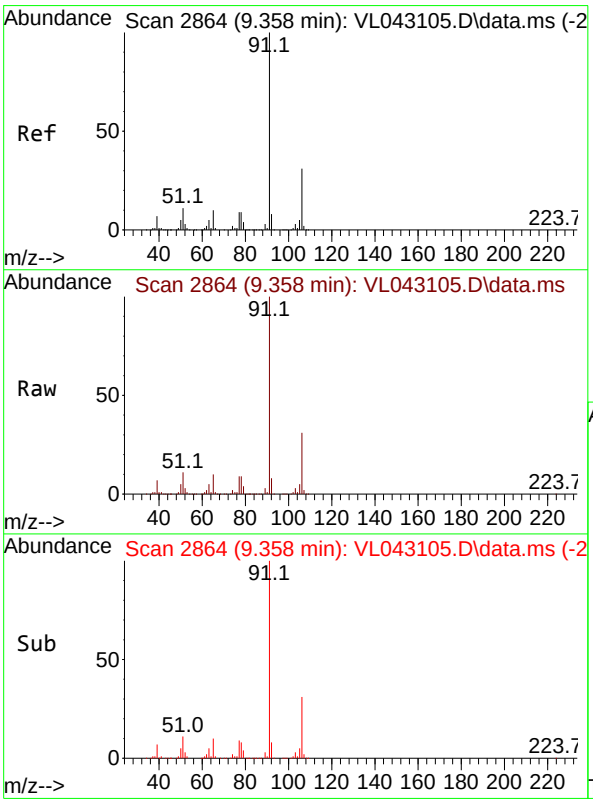
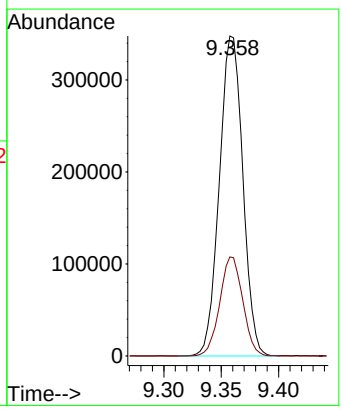
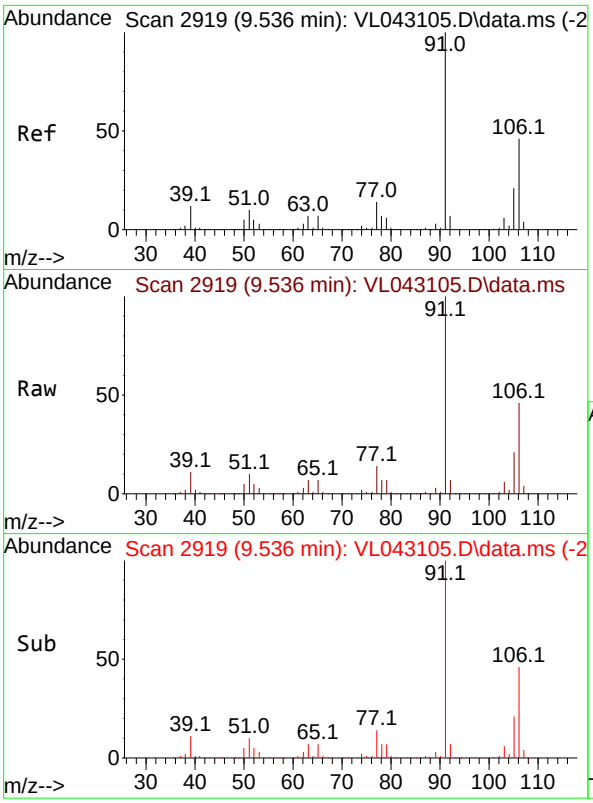


#58
Ethyl Benzene
Concen: 9.241 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 494344

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.8	37.2

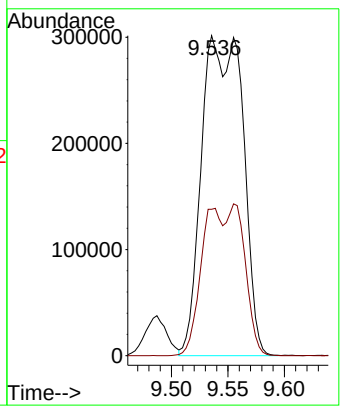




#59
m/p-Xylene
Concen: 18.067 ppbv m
RT: 9.536 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 76537

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#



Instrument :
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ClientSampleId :
VSTDICCC010

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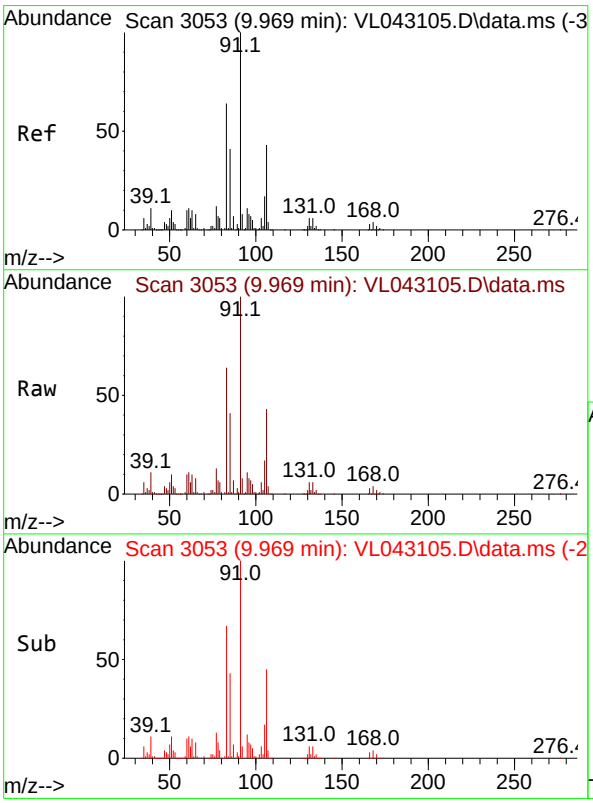
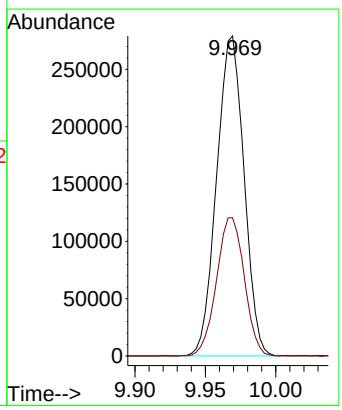
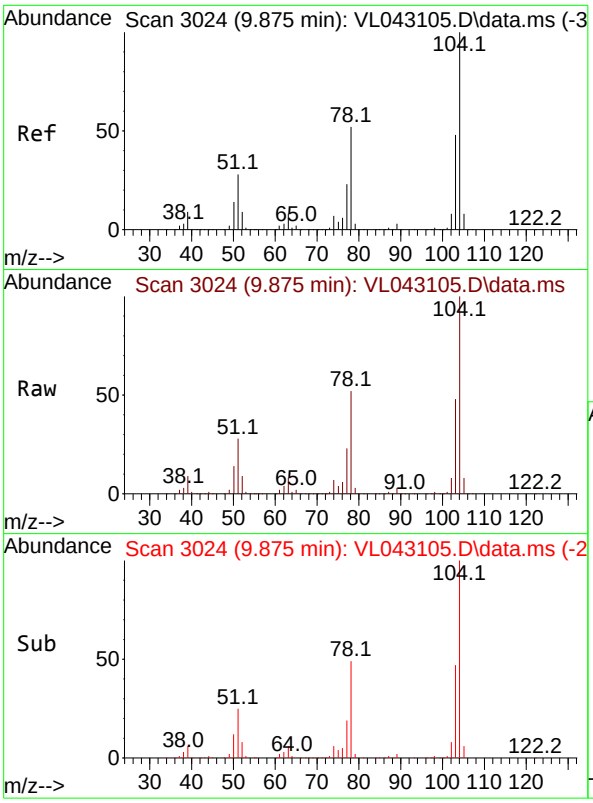


#60
o-Xylene
Concen: 9.053 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 378462

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.9	65.8

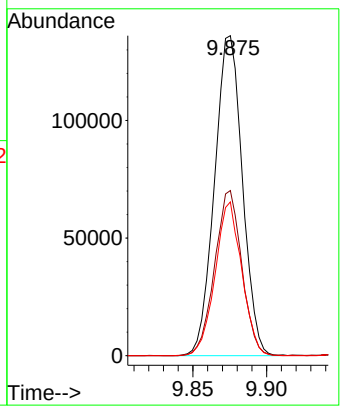




#61
Styrene
Concen: 9.477 ppbv
RT: 9.875 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:104 Resp: 17885

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.2	60.2
103	46.1	36.9	55.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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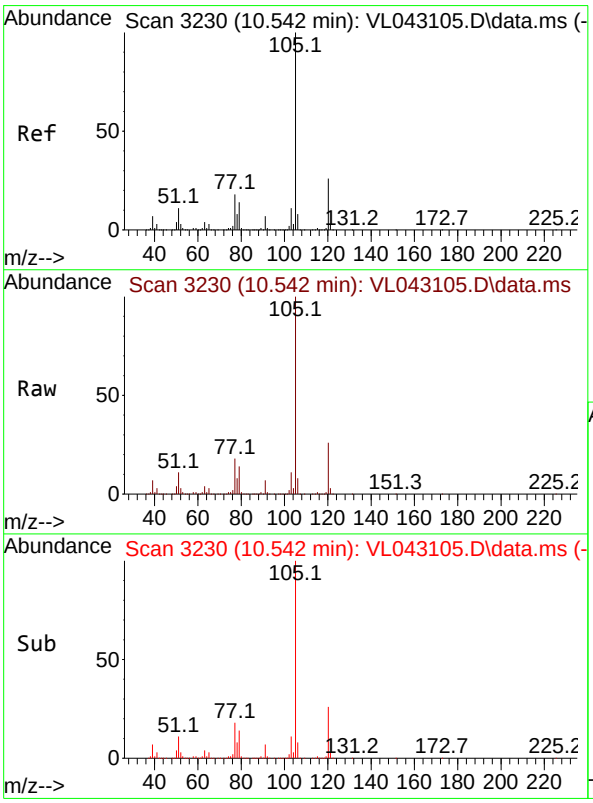
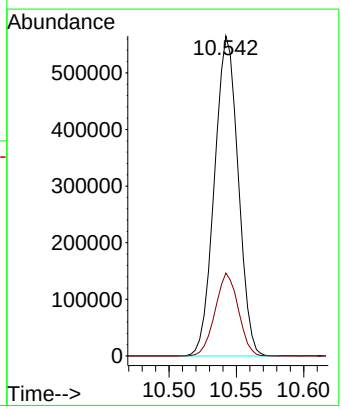
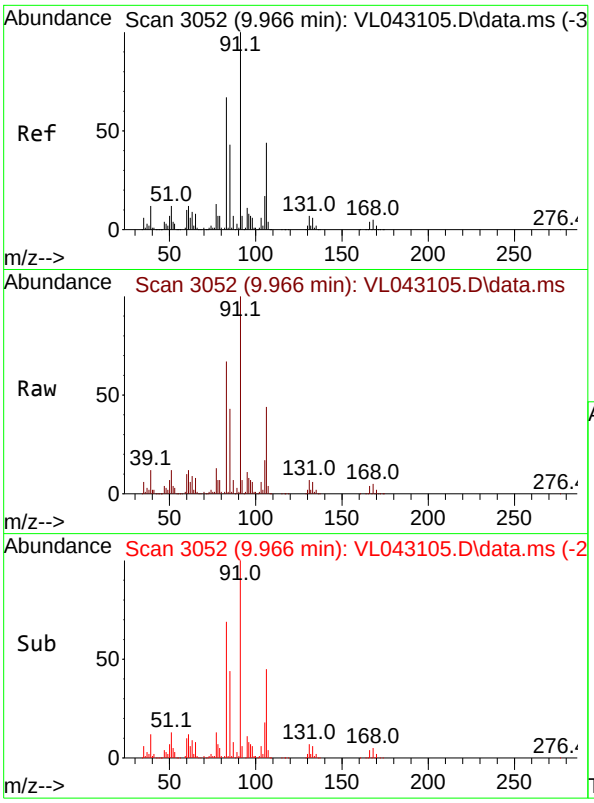


#62
Isopropylbenzene
Concen: 9.173 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 692992

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.4

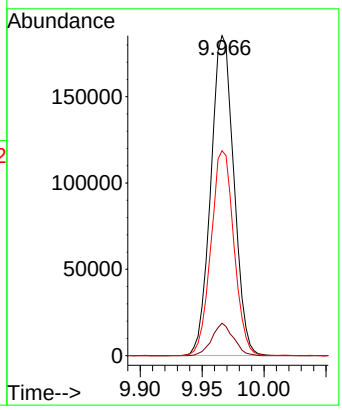




#63
1,1,2,2-Tetrachloroethane
Concen: 8.582 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 83 Resp: 24024

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.0	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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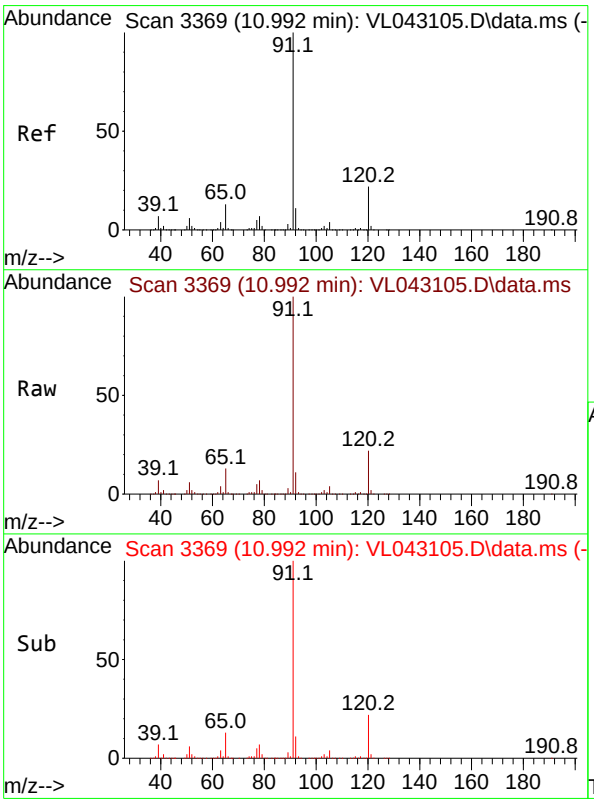
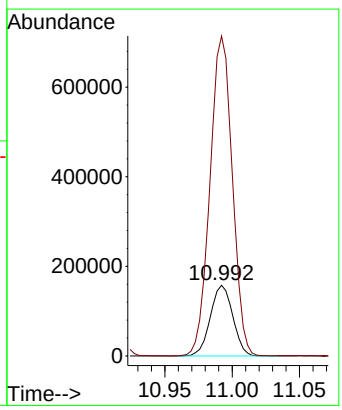
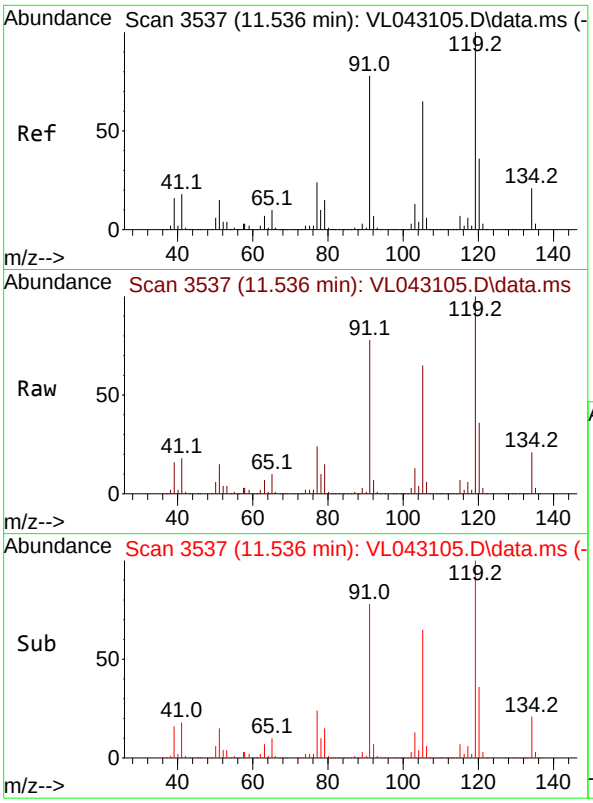


#64
n-propylbenzene
Concen: 9.112 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:120 Resp: 182233

Ion	Ratio	Lower	Upper
120	100		
91	452.0	361.6	542.4

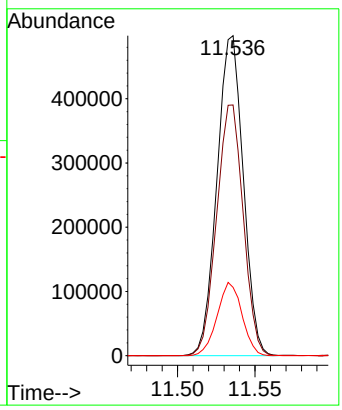




#65
tert-Butylbenzene
Concen: 8.810 ppbv
RT: 11.536 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:119 Resp: 58775

Ion	Ratio	Lower	Upper
119	100		
91	79.1	63.4	95.0
134	21.6	17.3	25.9



Instrument :
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ClientSampleId :
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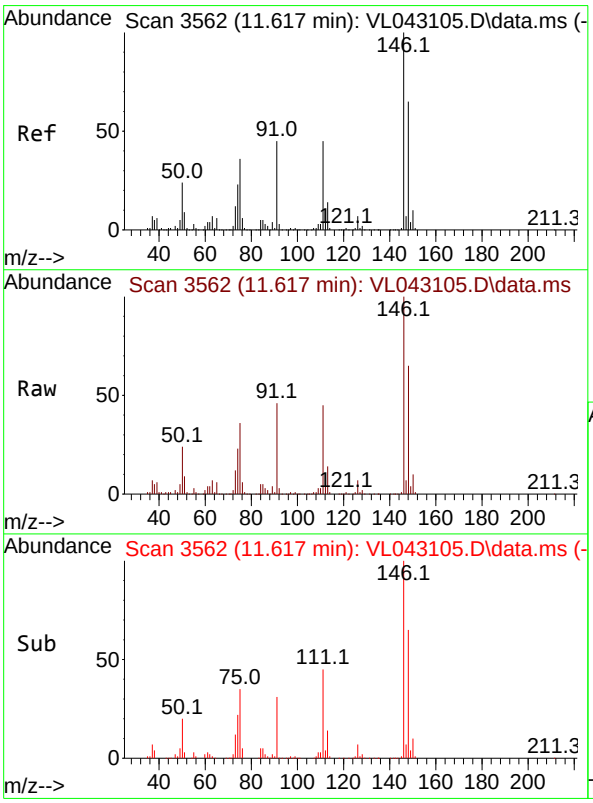
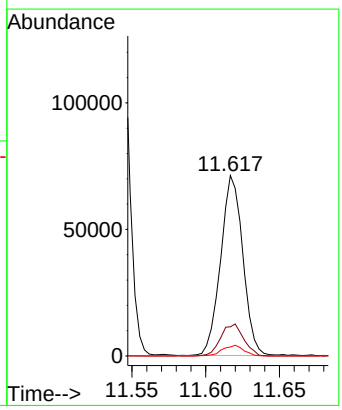
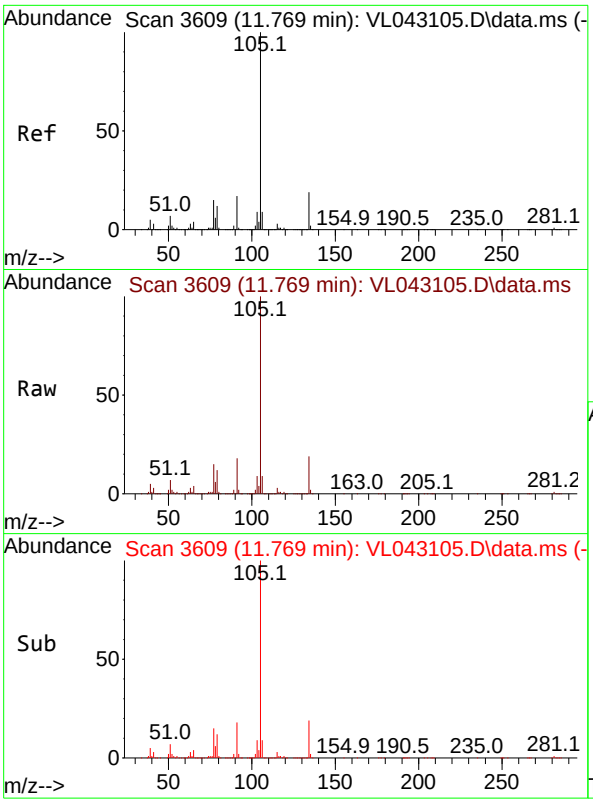


#66
Benzyl Chloride
Concen: 10.009 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 74574

Ion	Ratio	Lower	Upper
91	100		
126	18.3	14.6	22.0
128	5.7	4.6	6.8

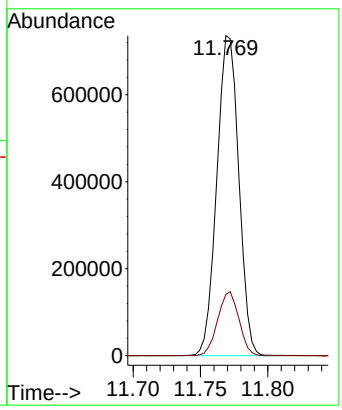




#67
sec-Butylbenzene
Concen: 8.809 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 83405

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3



Instrument :
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ClientSampleId :
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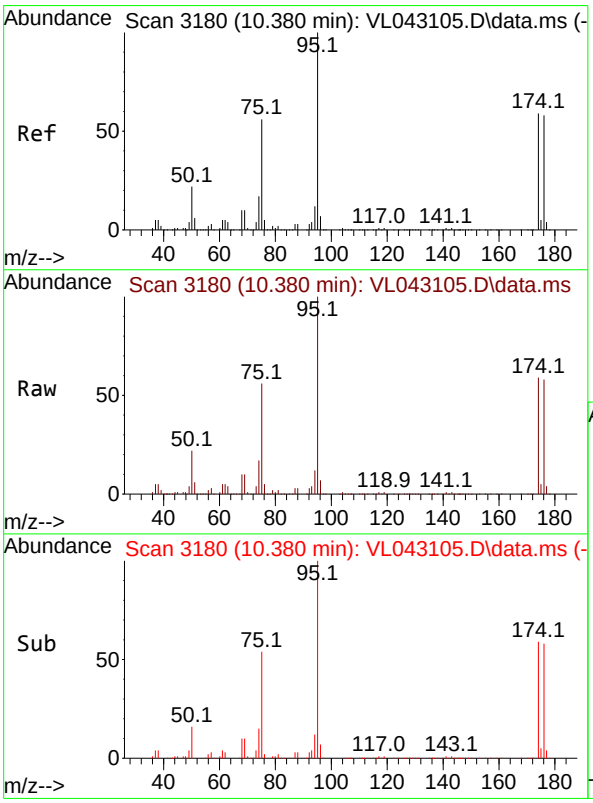
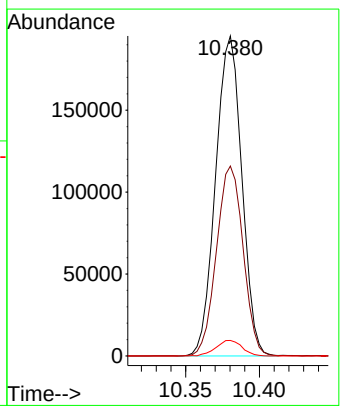
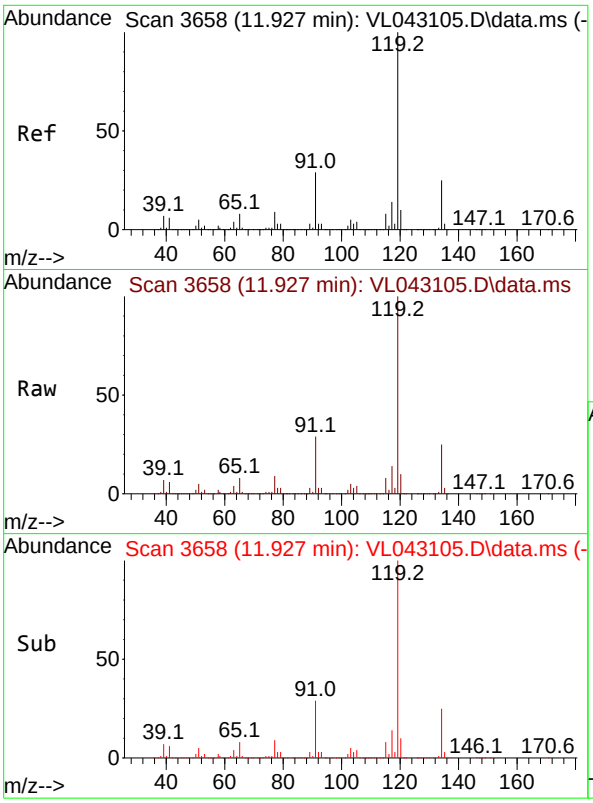


#68
1-Bromo-4-Fluorobenzene
Concen: 10.046 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 95 Resp: 241468

Ion	Ratio	Lower	Upper
95	100		
174	60.4	48.3	72.5
175	4.8	3.8	5.8

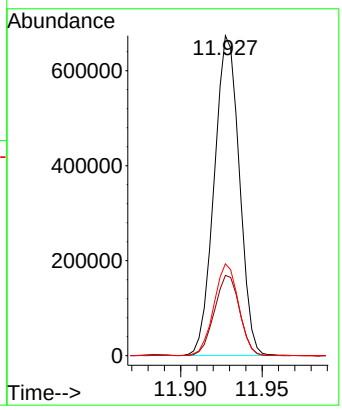




#69
p-Isopropyltoluene
Concen: 8.955 ppbv
RT: 11.927 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:119 Resp: 72043

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	28.3	22.6	33.8



Instrument :
MSVOA_L
ClientSampleId :
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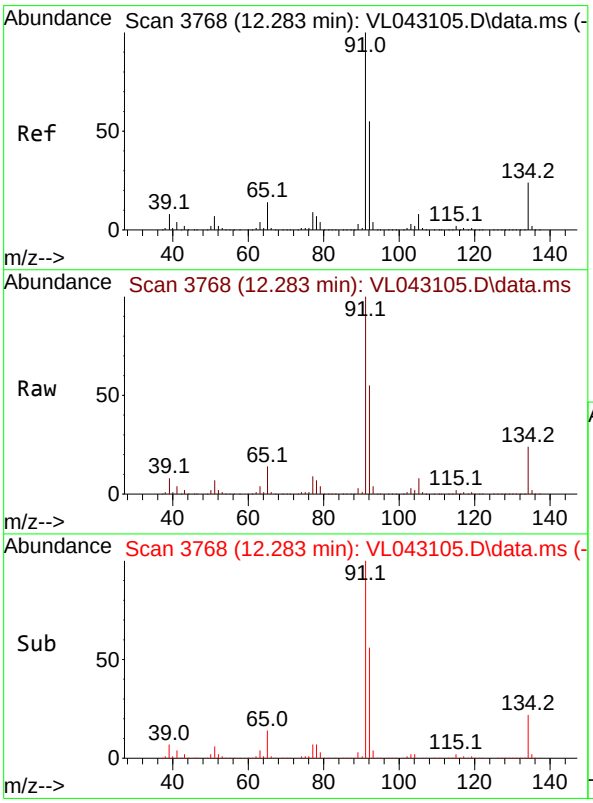
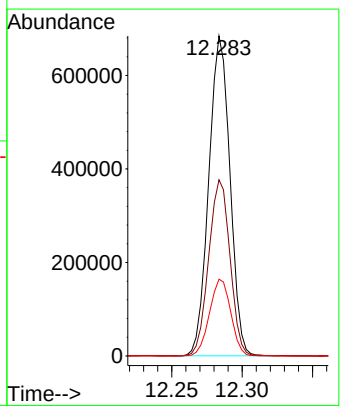
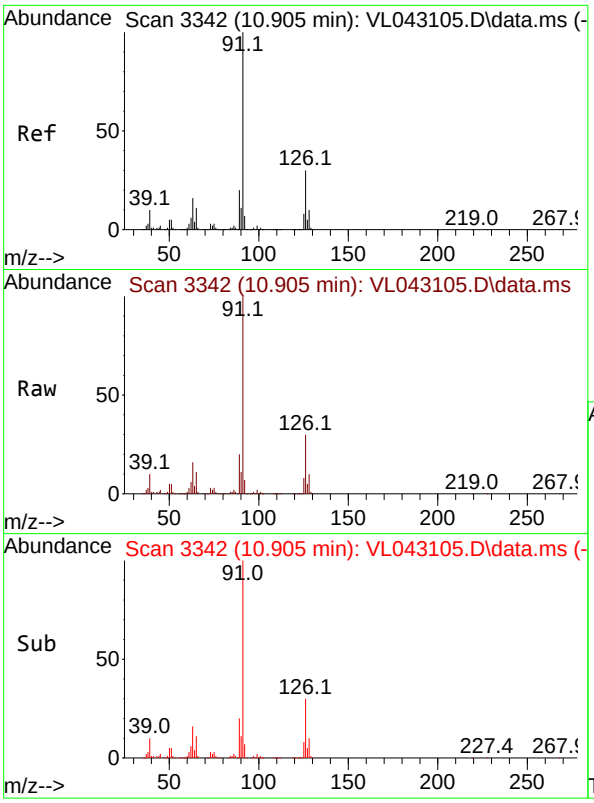


#70
n-Butylbenzene
Concen: 9.053 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 717743

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.5	66.7
134	24.1	19.3	28.9

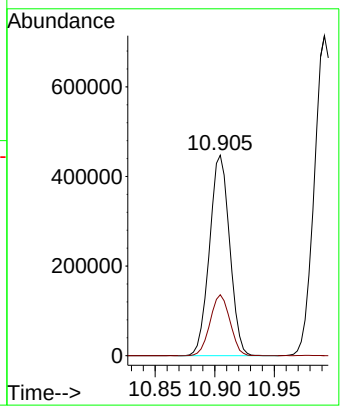




#71
2-Chlorotoluene
Concen: 9.111 ppbv
RT: 10.905 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 52496

Ion	Ratio	Lower	Upper
91	100		
126	30.0	12.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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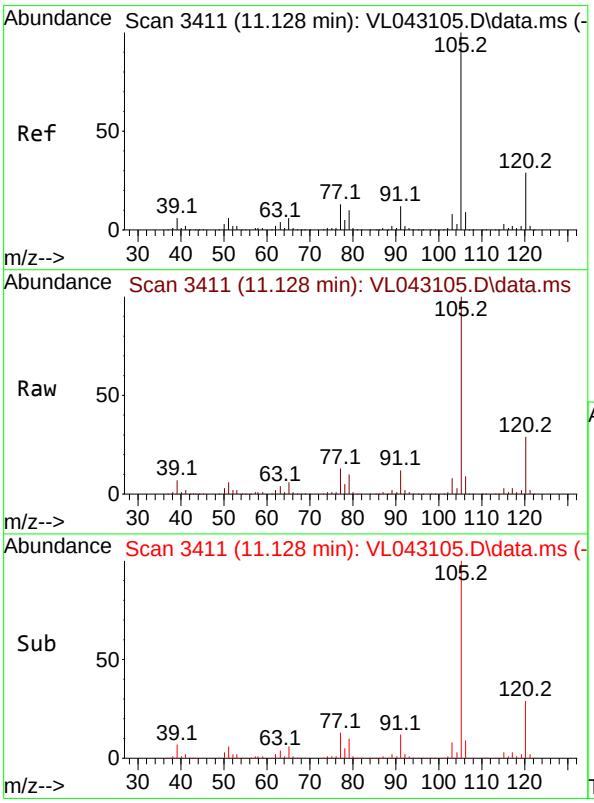
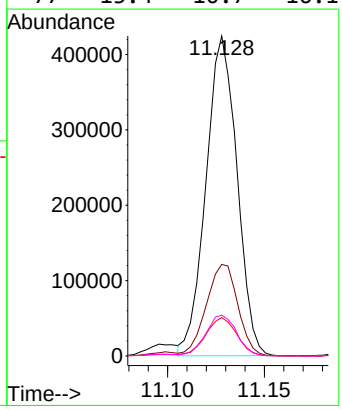
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

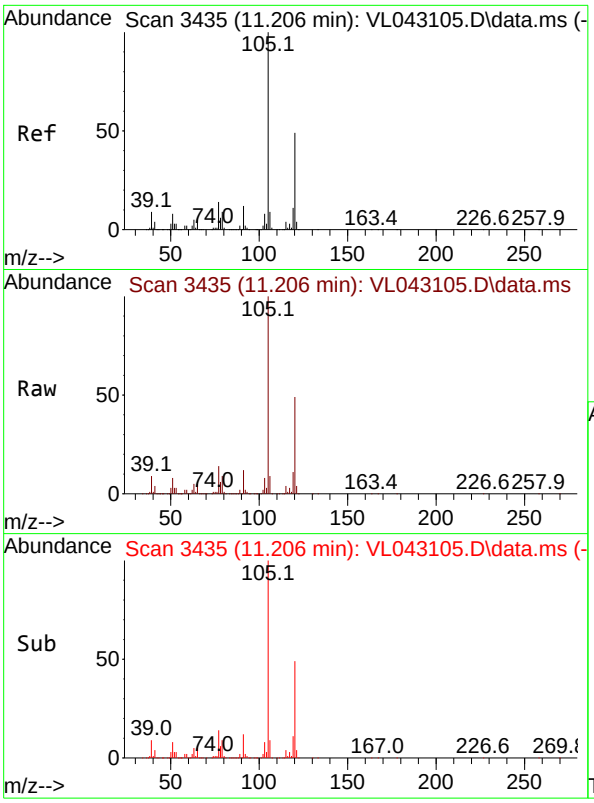


#72
4-Ethyltoluene
Concen: 9.202 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 473042

Ion	Ratio	Lower	Upper
105	100		
120	30.3	24.2	36.4
91	12.5	10.0	15.0
77	13.4	10.7	16.1

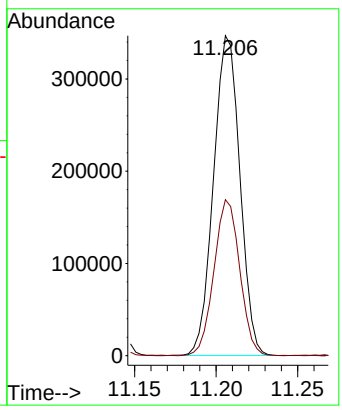




#73
1,3,5-Trimethylbenzene
Concen: 9.195 ppbv
RT: 11.206 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 38981

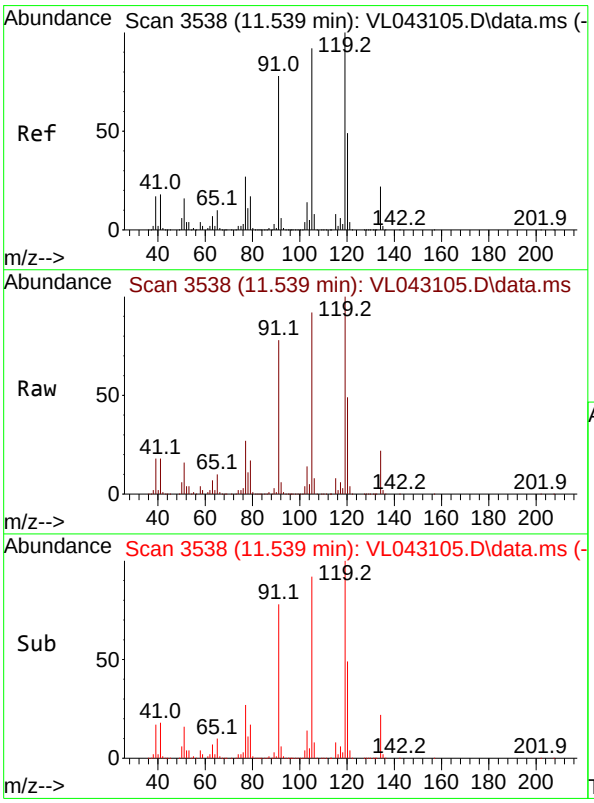
Ion	Ratio	Lower	Upper
105	100		
120	48.8	39.0	58.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

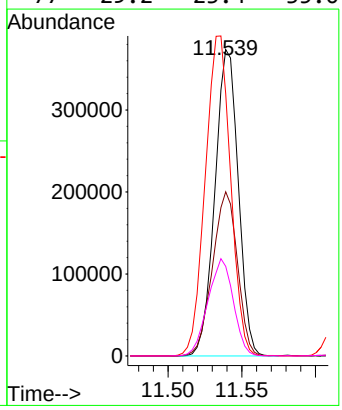
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

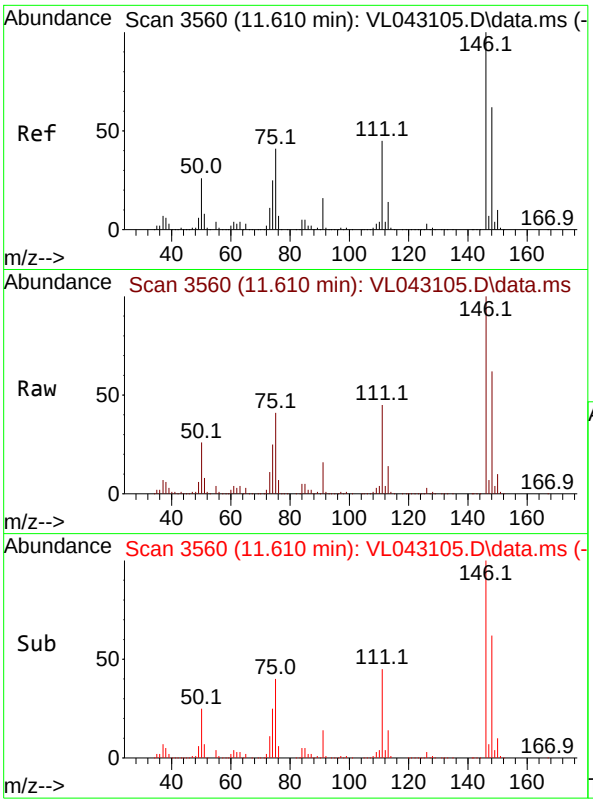


#74
1,2,4-Trimethylbenzene
Concen: 8.676 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 411619

Ion	Ratio	Lower	Upper
105	100		
120	53.5	42.8	64.2
91	85.4	68.3	102.5
77	29.2	23.4	35.0

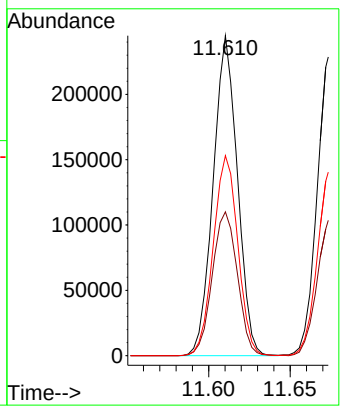




#75
1,3-Dichlorobenzene
Concen: 9.192 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:146 Resp: 25292

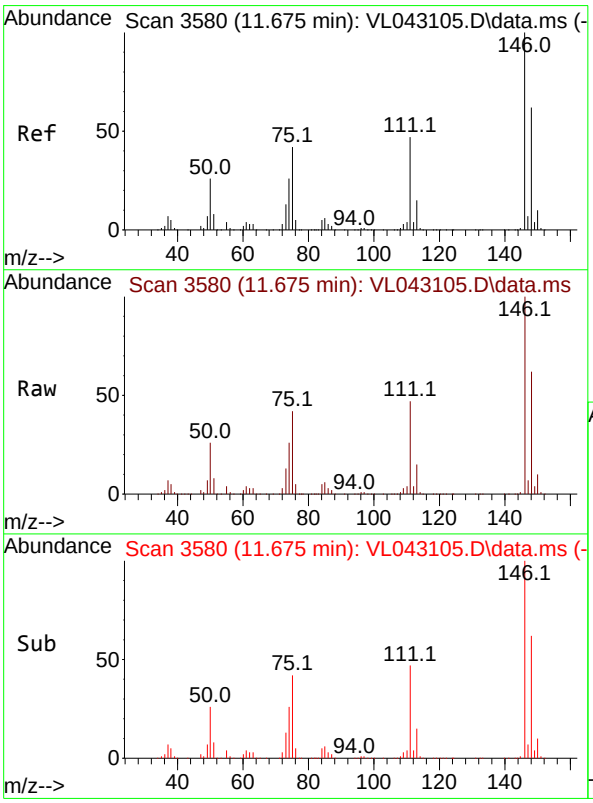
Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.3	69.9
148	63.3	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

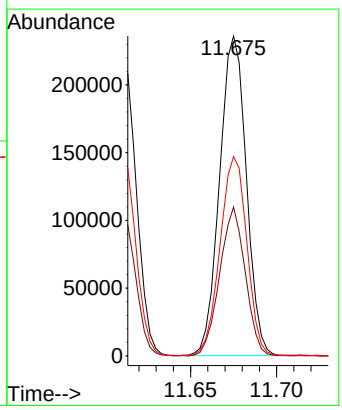
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

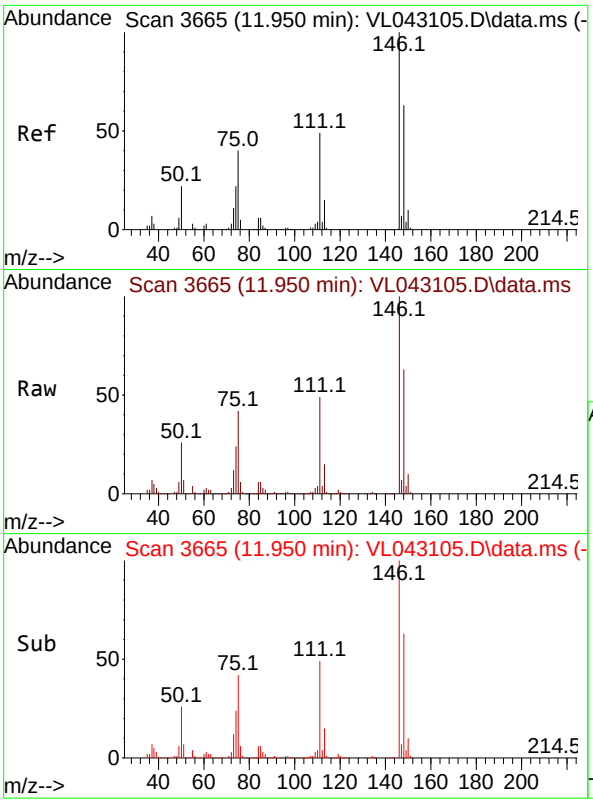


#76
1,4-Dichlorobenzene
Concen: 9.171 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:146 Resp: 254461

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.0
148	63.1	31.6	94.7

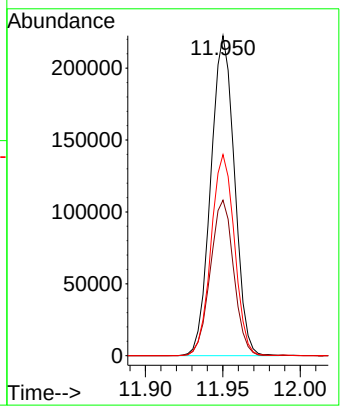




#77
1,2-Dichlorobenzene
Concen: 8.893 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:146 Resp: 23672

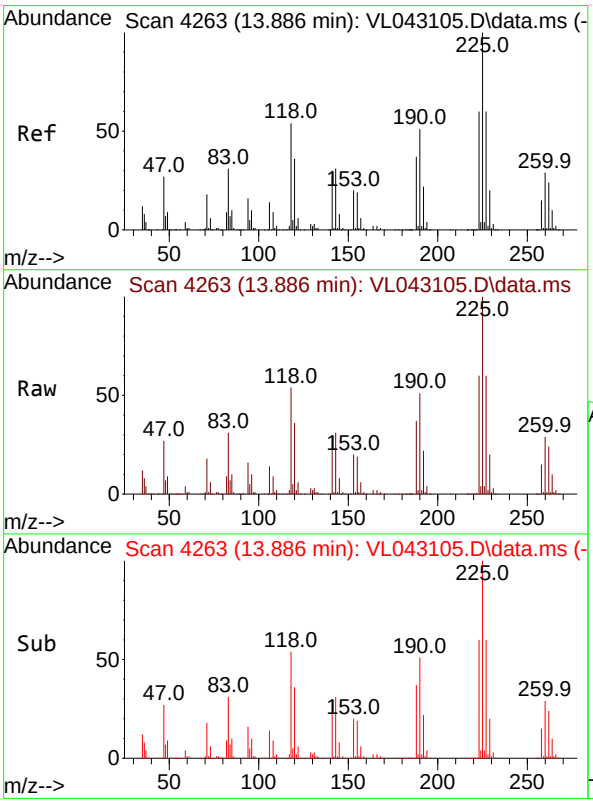
Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.0	72.0
148	62.2	31.1	93.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

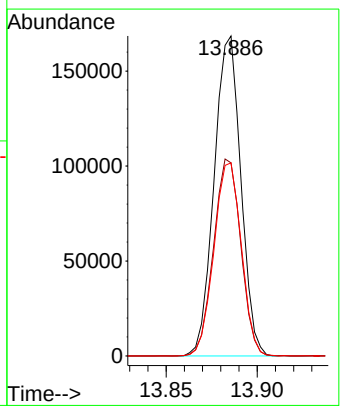
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

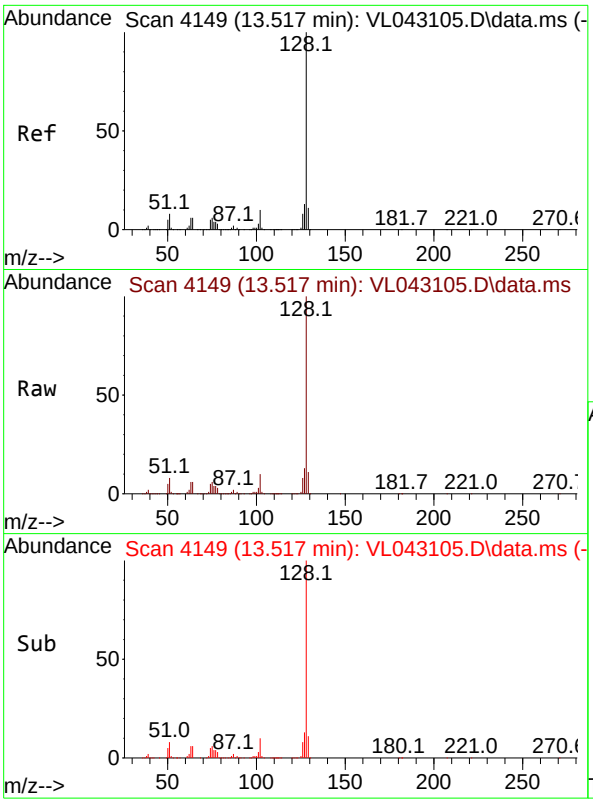


#78
Hexachloro-1,3-Butadiene
Concen: 8.334 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:225 Resp: 171777

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4
227	62.0	49.6	74.4

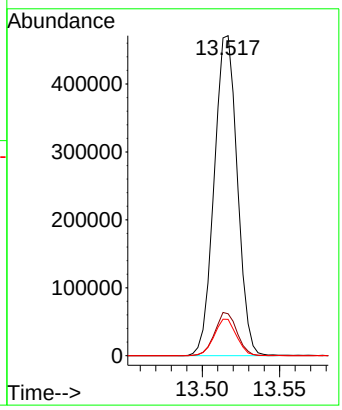




#79
Naphthalene
Concen: 9.972 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:128 Resp: 48867

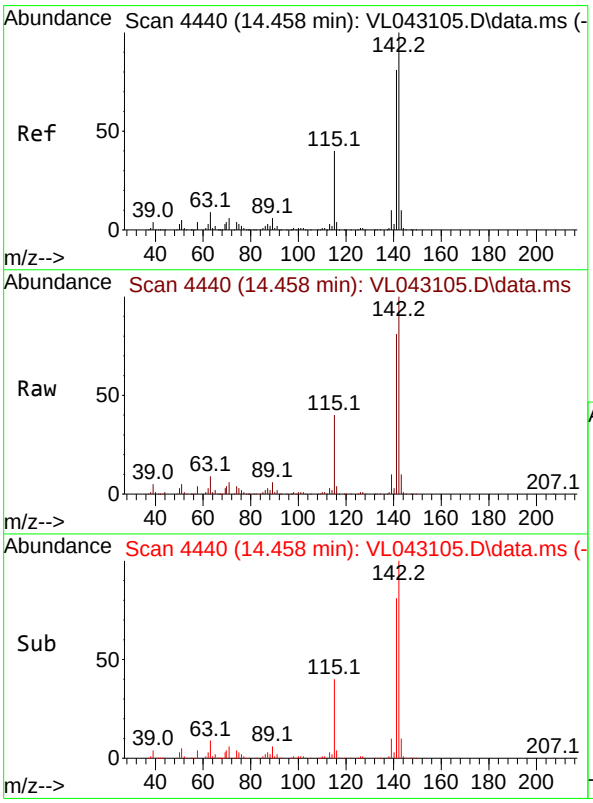
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.4	9.1	13.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

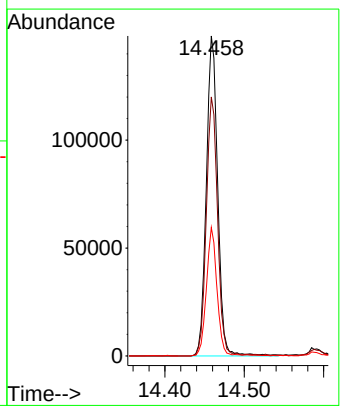
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

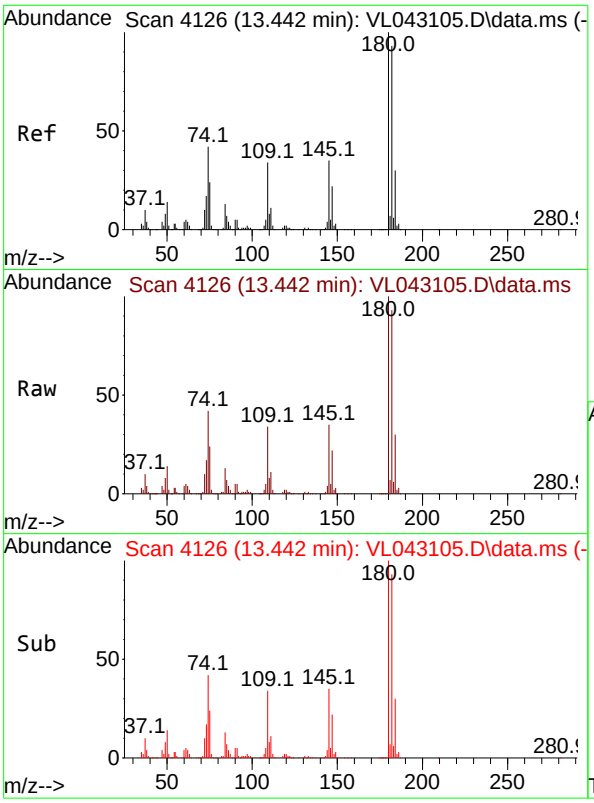


#80
Naphthalene,2-methyl-
Concen: 11.431 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:142 Resp: 147897

Ion	Ratio	Lower	Upper
142	100		
141	80.8	64.6	97.0
115	37.8	30.2	45.4

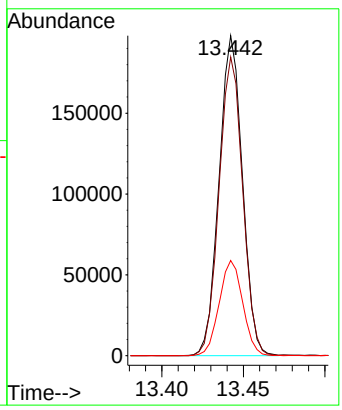




#81
1,2,4-Trichlorobenzene
Concen: 9.582 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:180 Resp: 19721

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.5	113.3
184	29.9	23.9	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

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

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

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

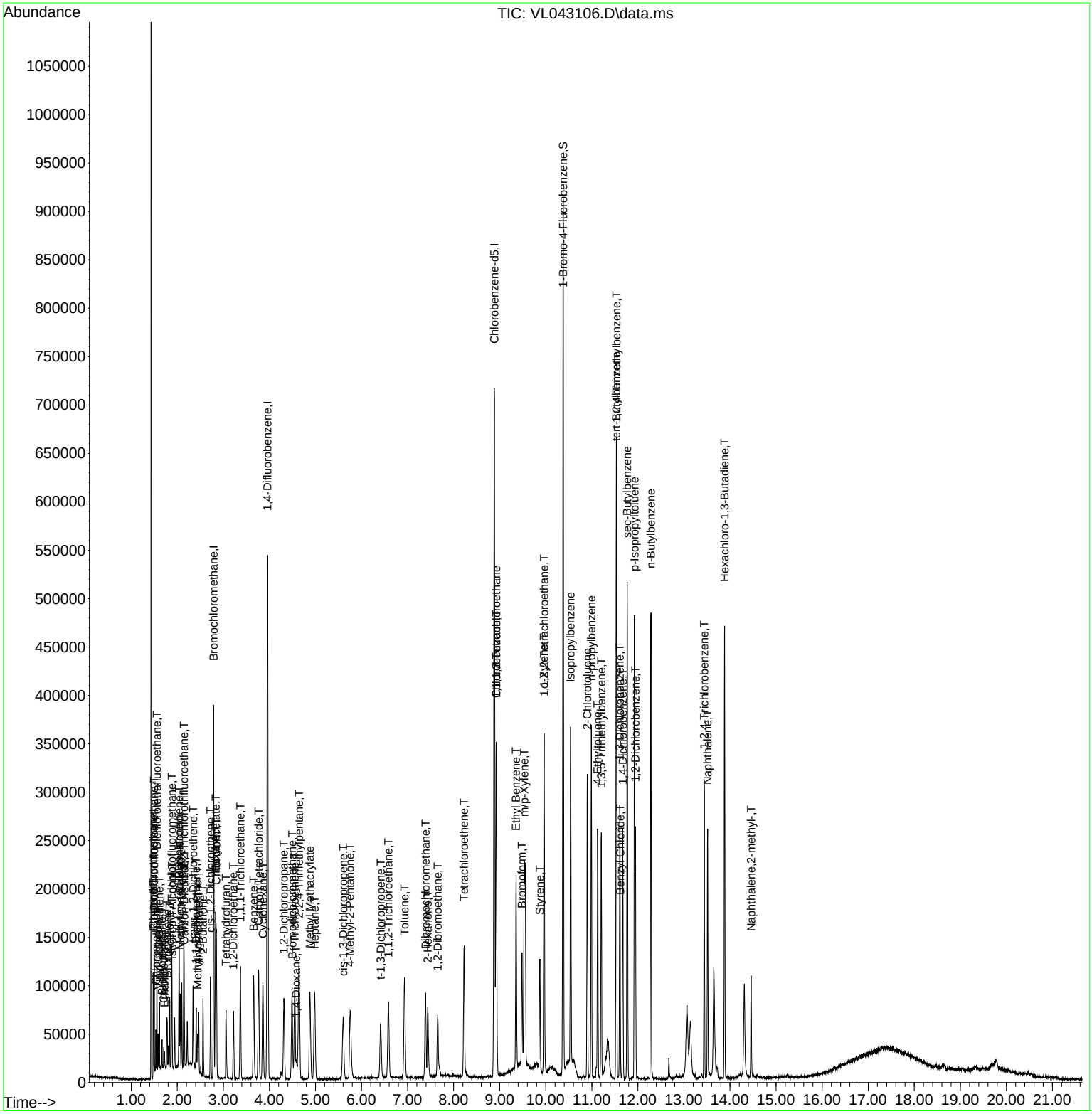
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043106.D
Acq On : 14 Oct 2025 11:27
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

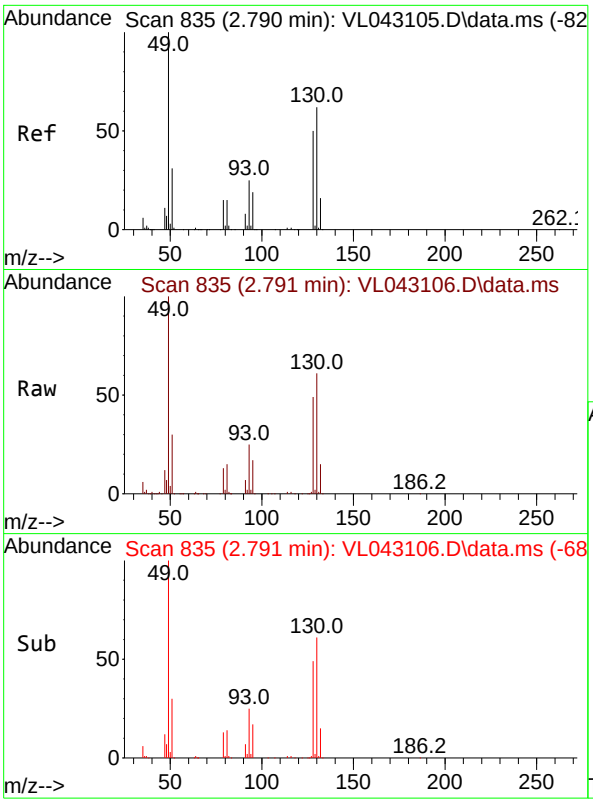
Quant Time: Oct 15 01:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

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

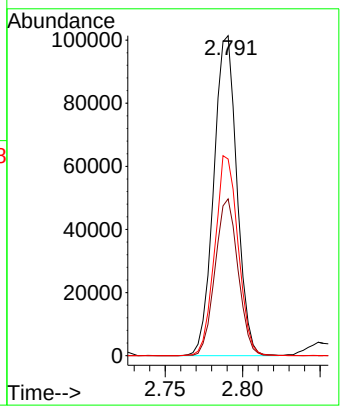




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 8
Delta R.T. 0.001 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 49 Resp: 10530

Ion	Ratio	Lower	Upper
49	100		
128	48.8	24.4	73.4
130	62.8	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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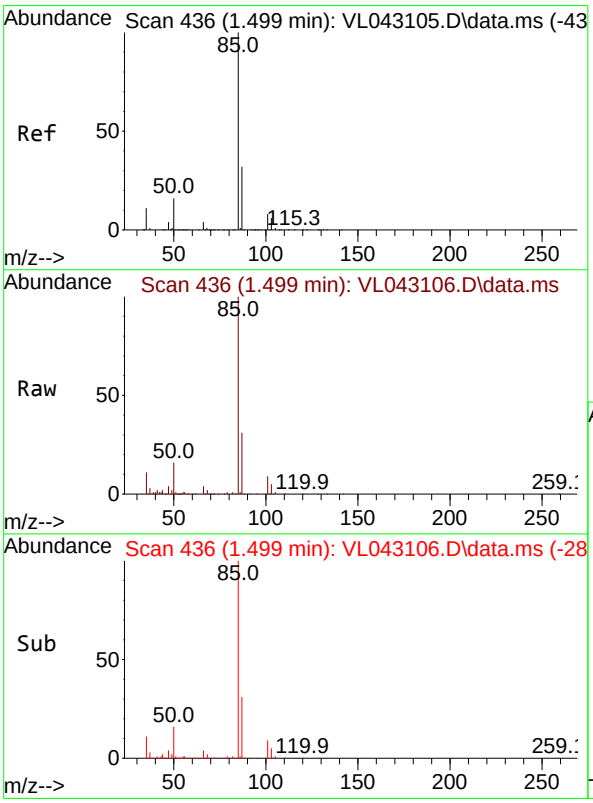
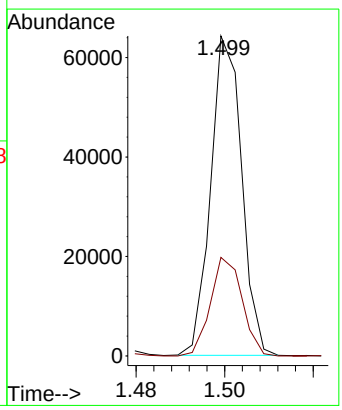
Supervised By :Mahesh Dadoda 10/16/2025

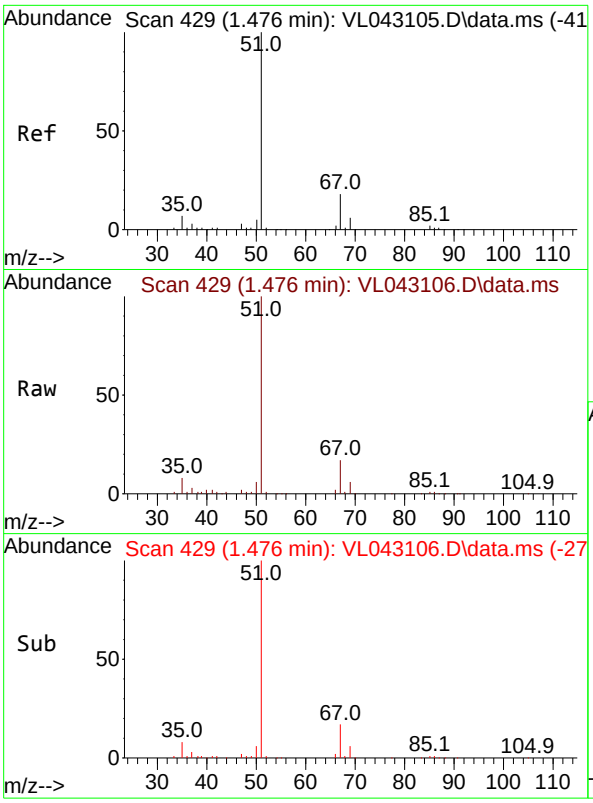


#2
Dichlorodifluoromethane
Concen: 2.083 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 85 Resp: 31189

Ion	Ratio	Lower	Upper
85	100		
87	30.9	25.3	37.9

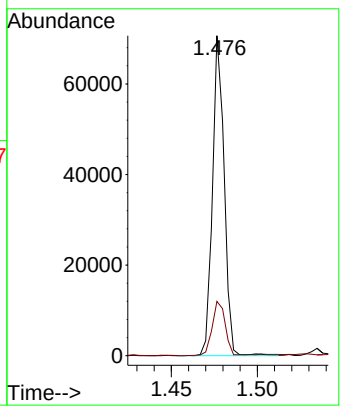




#3
Chlorodifluoromethane
Concen: 2.050 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 51 Resp: 3321

Ion	Ratio	Lower	Upper
51	100		
67	20.6	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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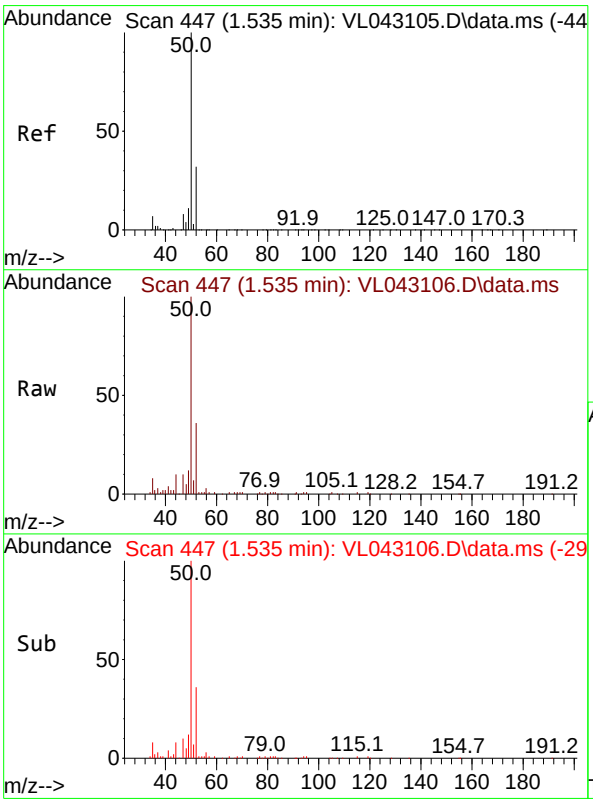
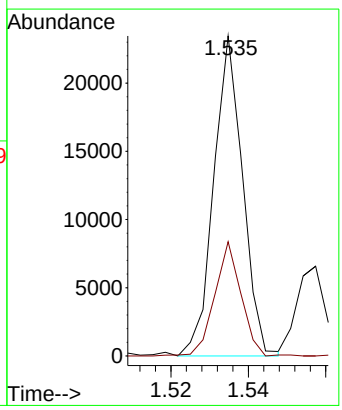
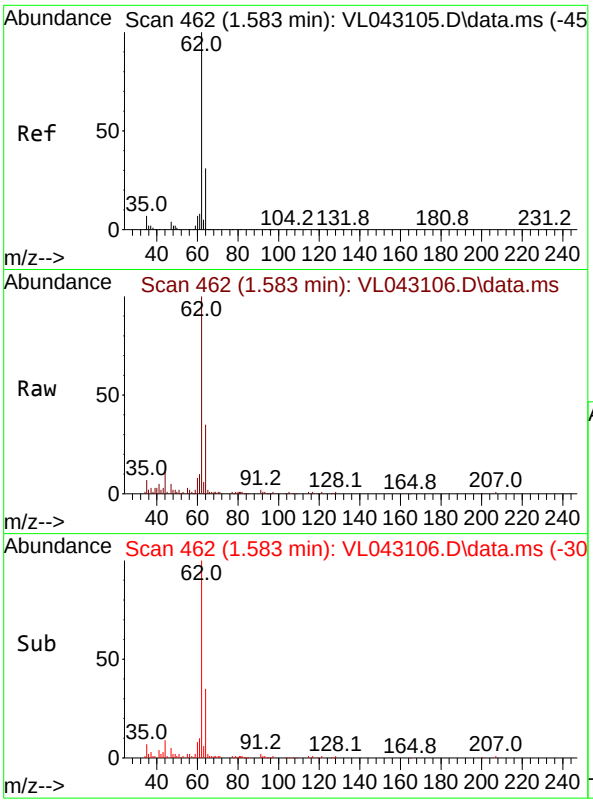


#4
Chloromethane
Concen: 2.054 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 50 Resp: 12185

Ion	Ratio	Lower	Upper
50	100		
52	35.4	25.2	37.8

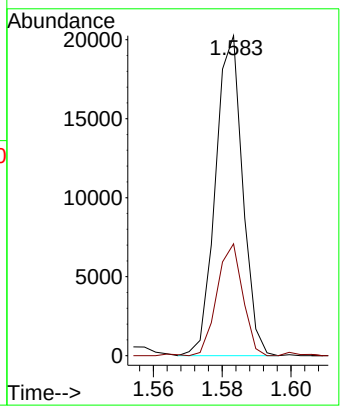




#5
Vinyl Chloride
Concen: 1.911 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 62 Resp: 1111

Ion	Ratio	Lower	Upper
62	100		
64	35.0	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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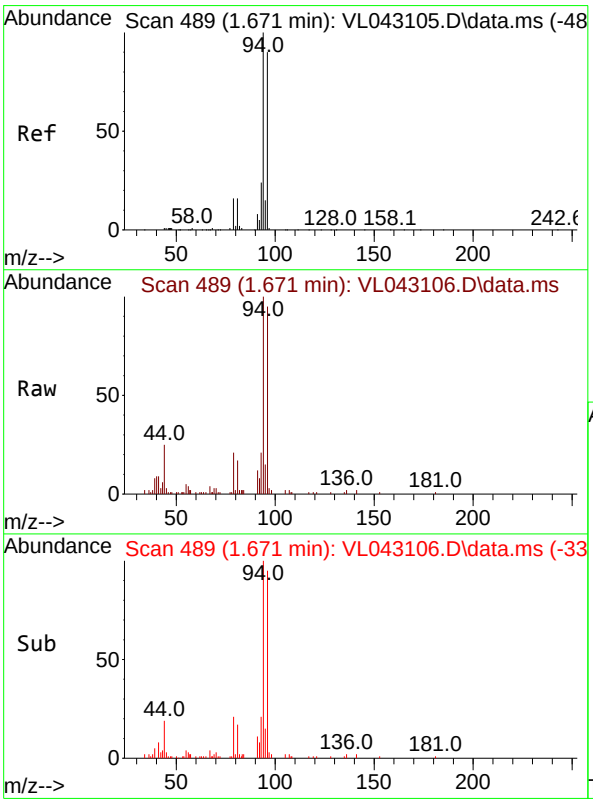
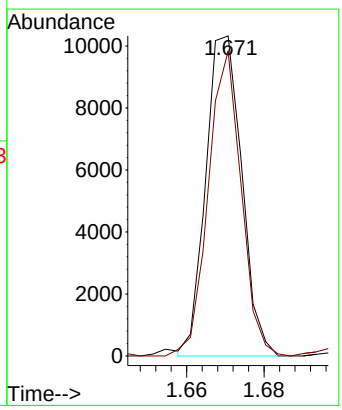
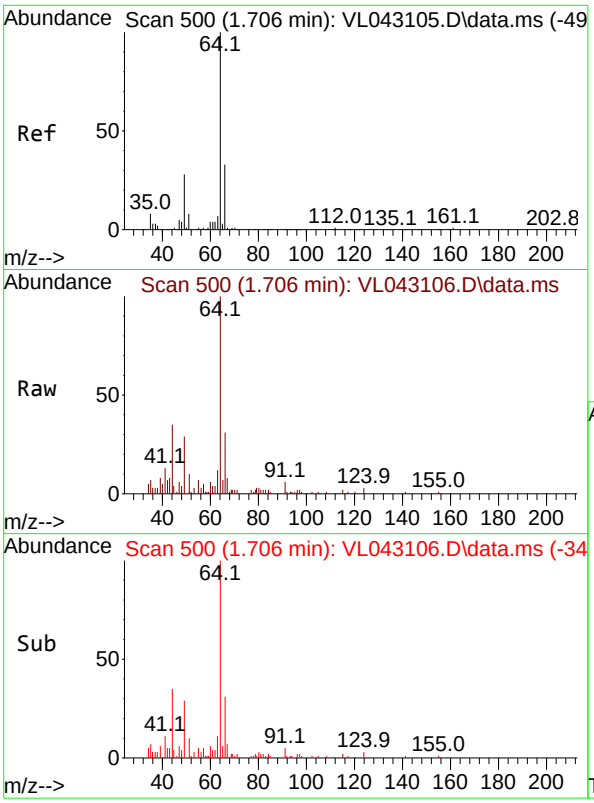


#6
Bromomethane
Concen: 2.092 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 94 Resp: 6672

Ion	Ratio	Lower	Upper
94	100		
96	94.6	72.2	108.4

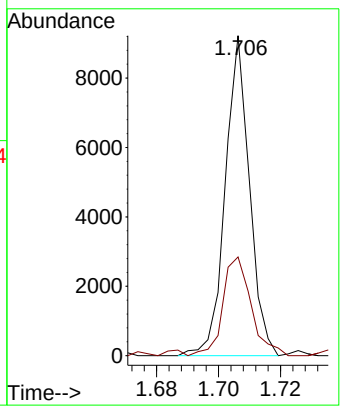




#7
Chloroethane
Concen: 2.106 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 64 Resp: 500

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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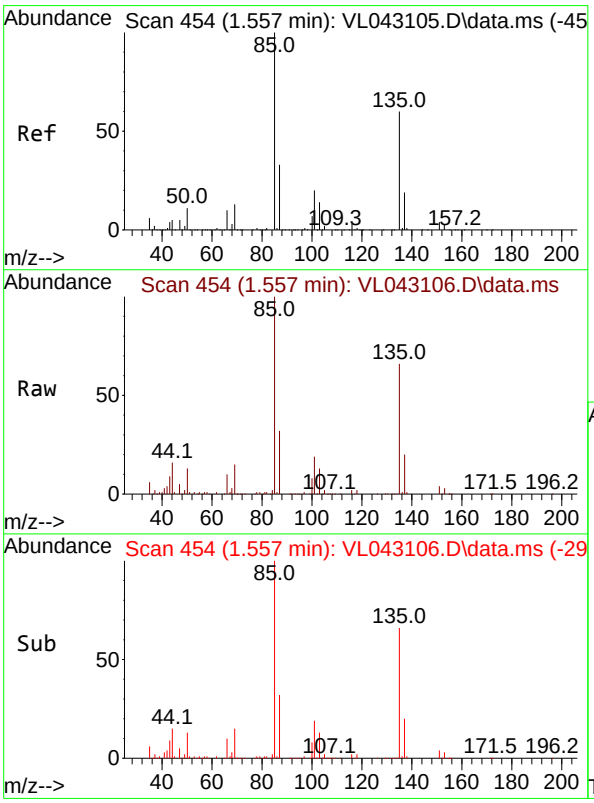
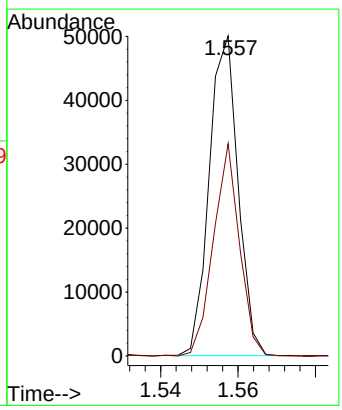
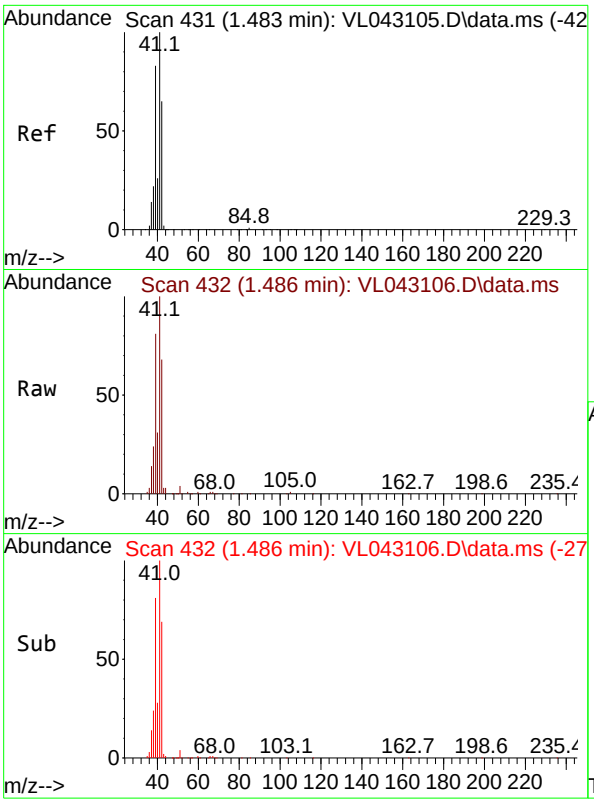


#8
Dichlorotetrafluoroethane
Concen: 2.140 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 85 Resp: 25897

Ion	Ratio	Lower	Upper
85	100		
135	60.1	48.2	72.4





#9
Propene
Concen: 2.112 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 41 Resp: 1517

Ion	Ratio	Lower	Upper
41	100		
42	74.0	55.1	82.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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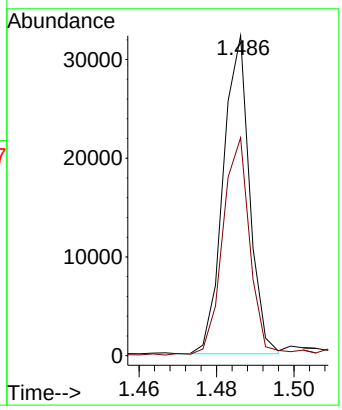
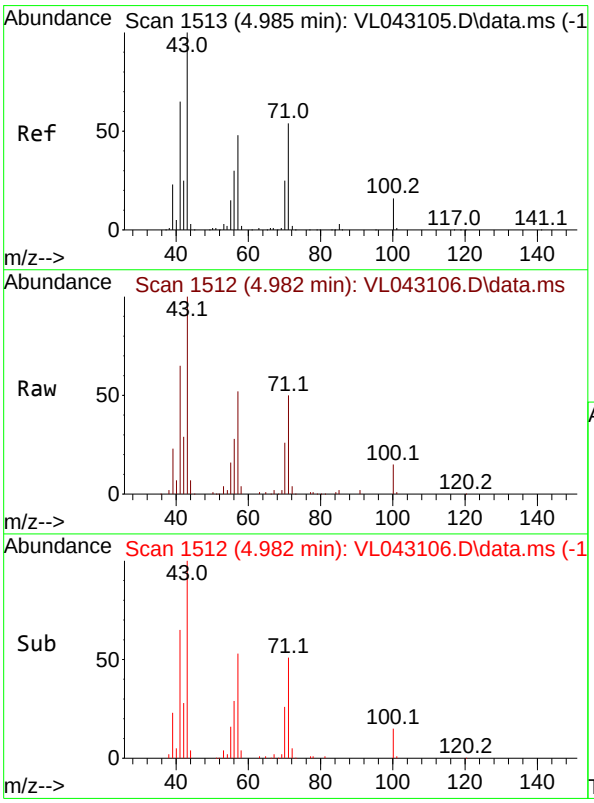
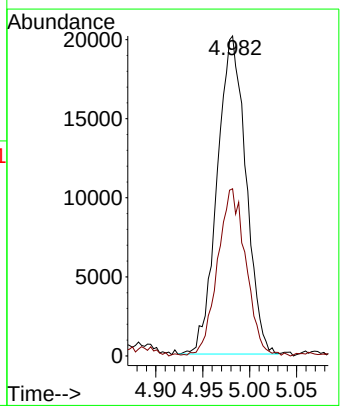


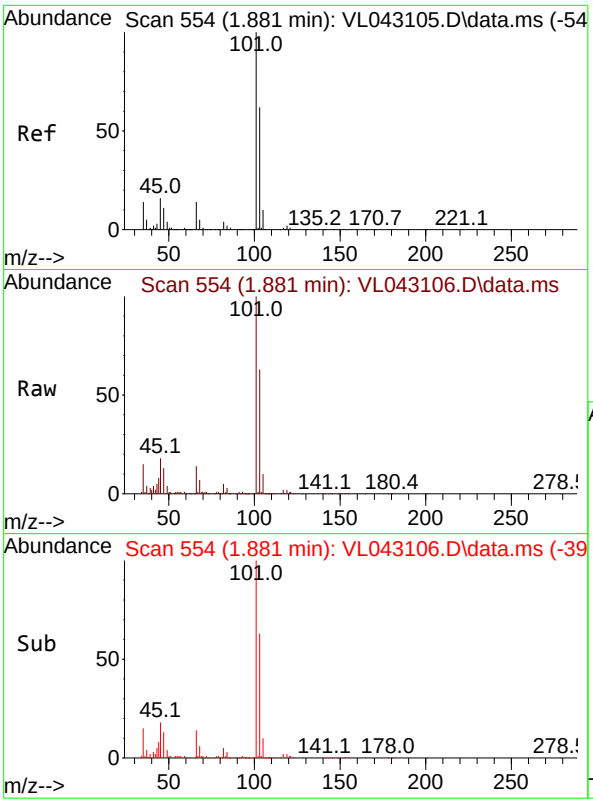


#10
Heptane
Concen: 2.078 ppbv
RT: 4.982 min Scan# 1512
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 43 Resp: 42790

Ion	Ratio	Lower	Upper
43	100		
57	52.8	40.8	61.2

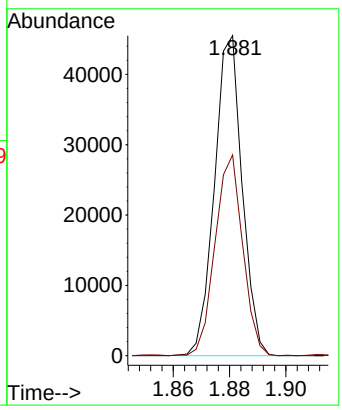




#11
Trichlorofluoromethane
Concen: 2.125 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:101 Resp: 3111

Ion	Ratio	Lower	Upper
101	100		
103	62.8	49.3	73.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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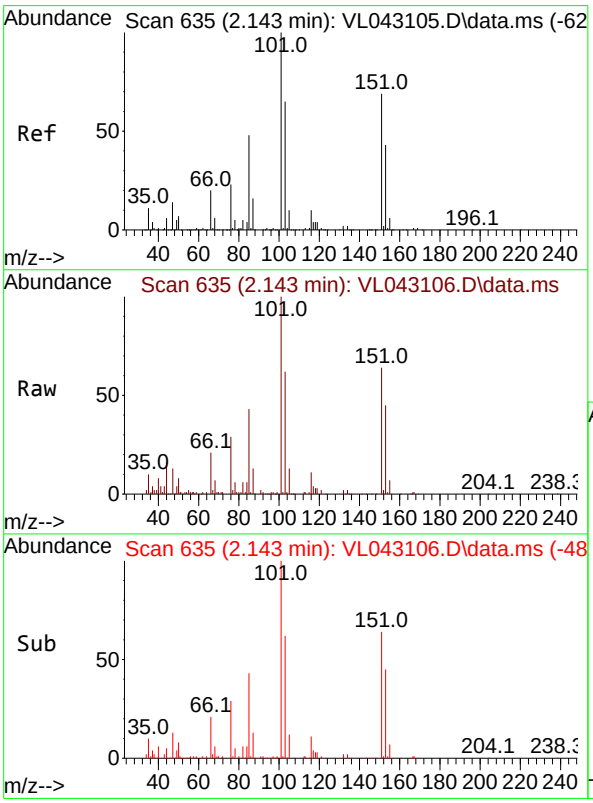
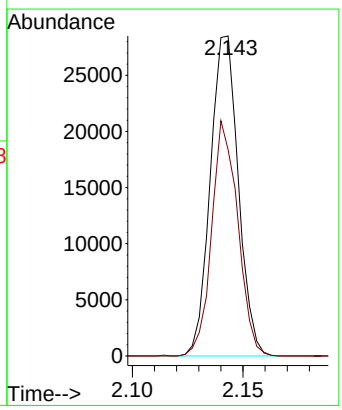
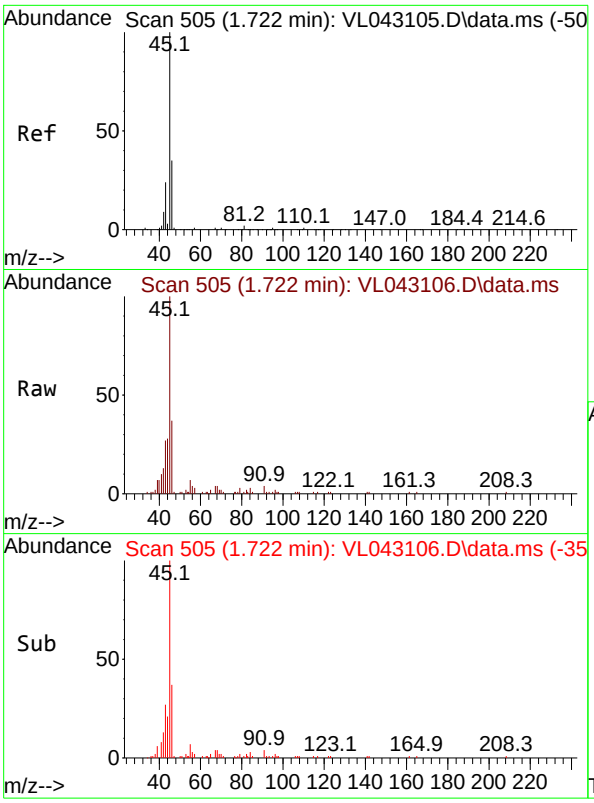


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.128 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:101 Resp: 25091

Ion	Ratio	Lower	Upper
101	100		
151	68.5	54.7	82.1

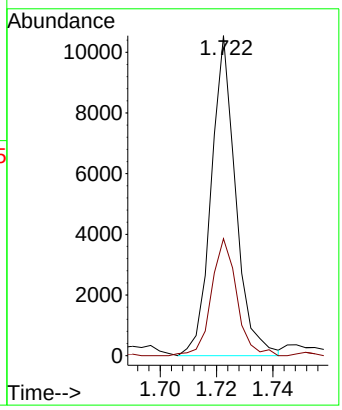




#13
Ethanol
Concen: 2.394 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 45 Resp: 636

Ion	Ratio	Lower	Upper
45	100		
46	39.6	14.7	58.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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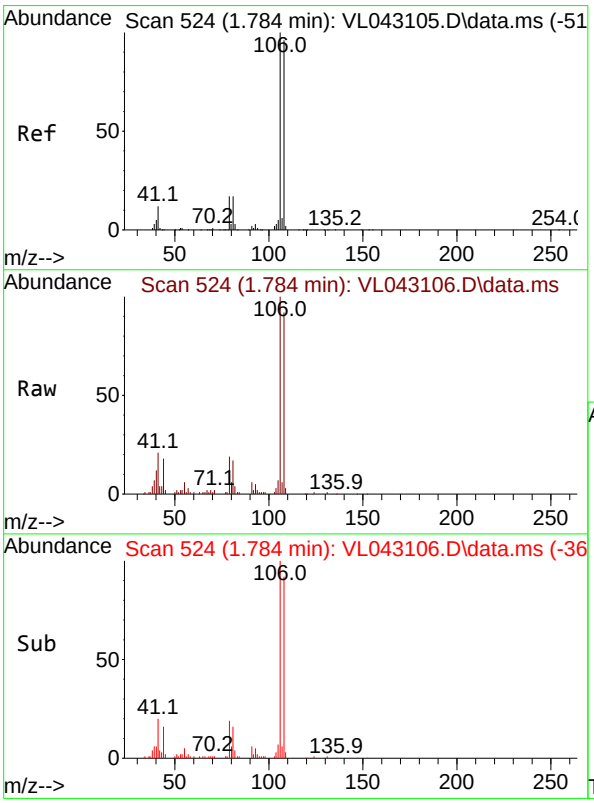
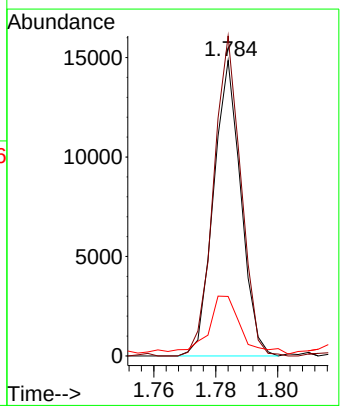
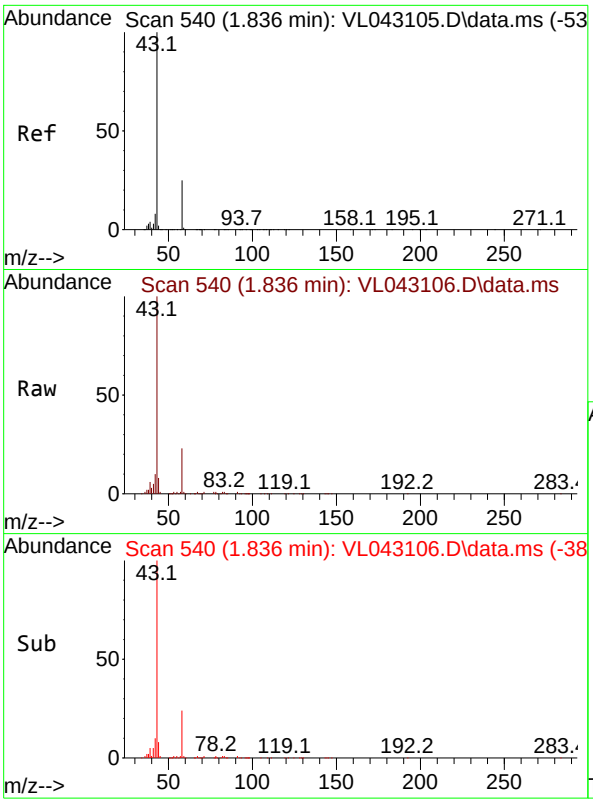


#14
Bromoethene
Concen: 2.075 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:108 Resp: 9087

Ion	Ratio	Lower	Upper
108	100		
106	109.1	84.4	126.6
79	19.1	15.3	22.9

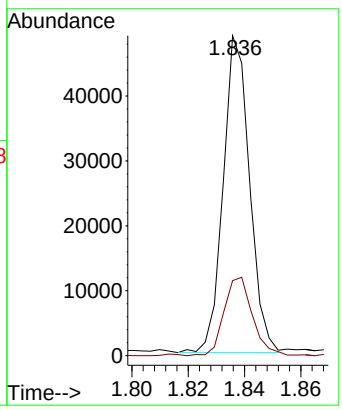




#15
Acetone
Concen: 2.225 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 43 Resp: 3175

Ion	Ratio	Lower	Upper
43	100		
58	27.3	20.8	31.2



Instrument :
MSVOA_L
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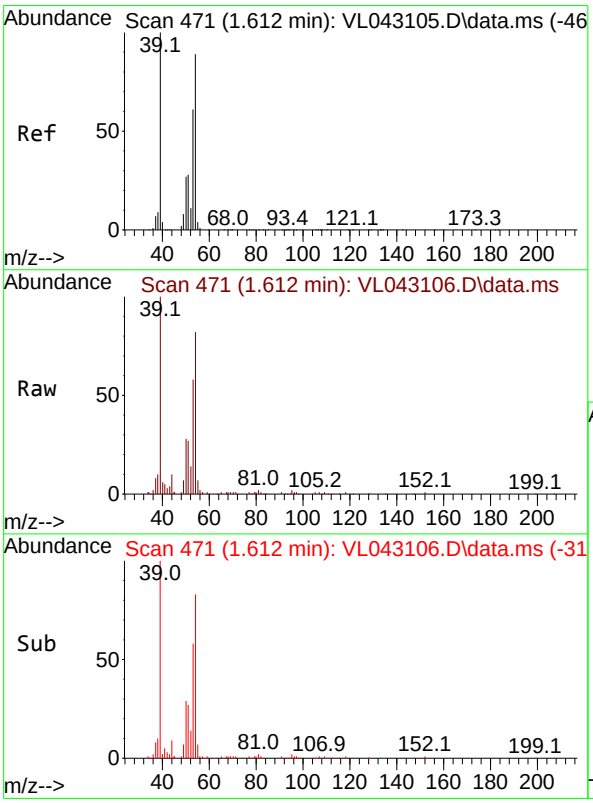
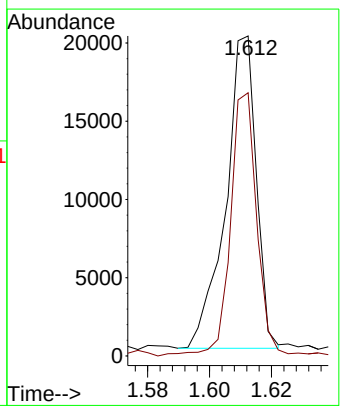
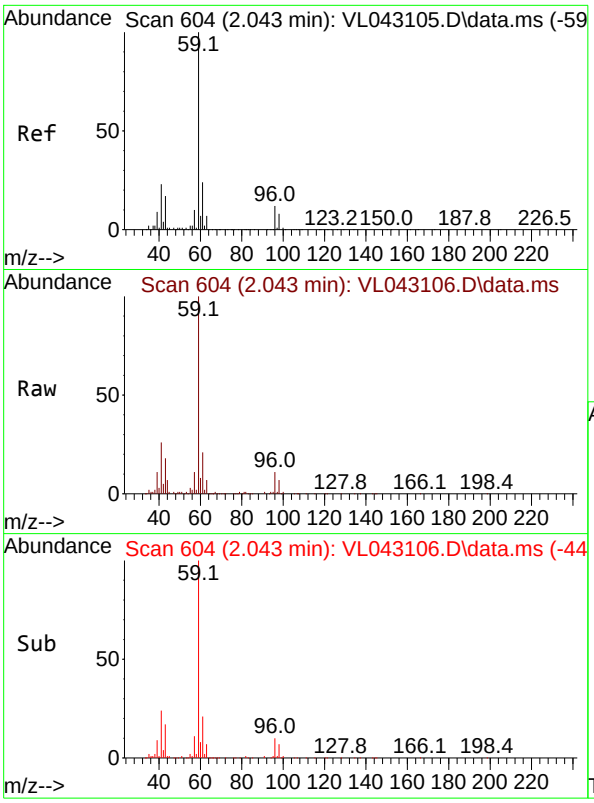


#16
1,3-Butadiene
Concen: 2.021 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 39 Resp: 13668

Ion	Ratio	Lower	Upper
39	100		
54	74.3	59.0	88.4

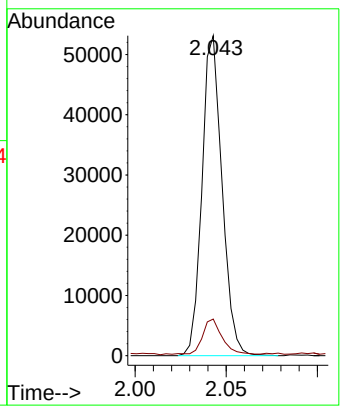




#17
tert-Butyl alcohol
Concen: 2.091 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 59 Resp: 4073

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.2	12.4



Instrument :
MSVOA_L
ClientSampleId :
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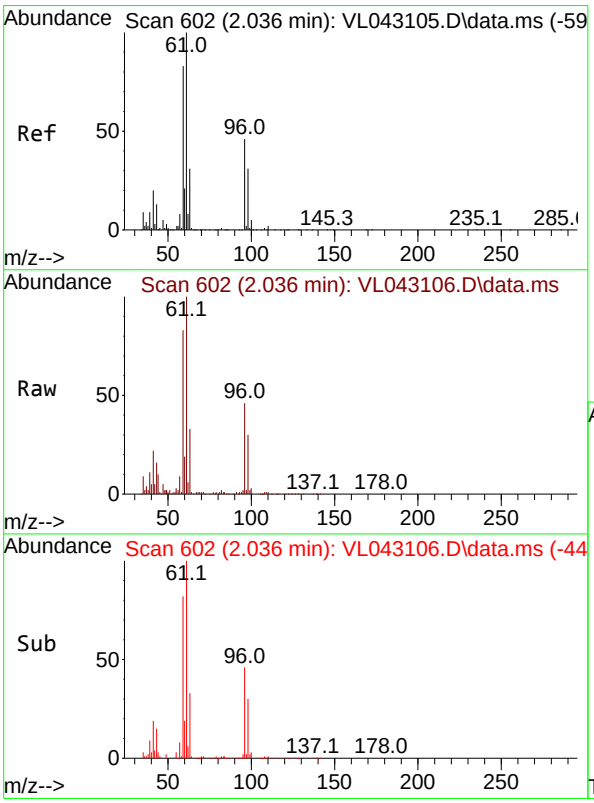
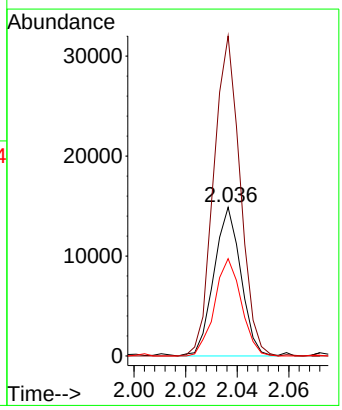
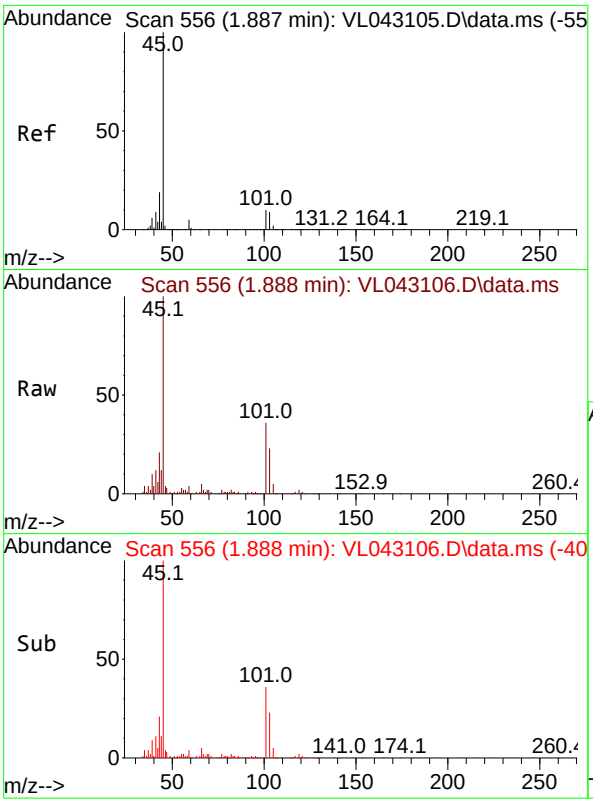


#18
1,1-Dichloroethene
Concen: 2.100 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 96 Resp: 10794

Ion	Ratio	Lower	Upper
96	100		
61	215.2	173.4	260.0
98	65.4	53.2	79.8

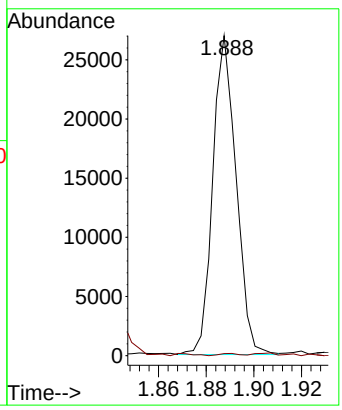




#19
Isopropyl Alcohol
Concen: 2.073 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 45 Resp: 1832

Ion	Ratio	Lower	Upper
45	100		
58	2.3	31.3	46.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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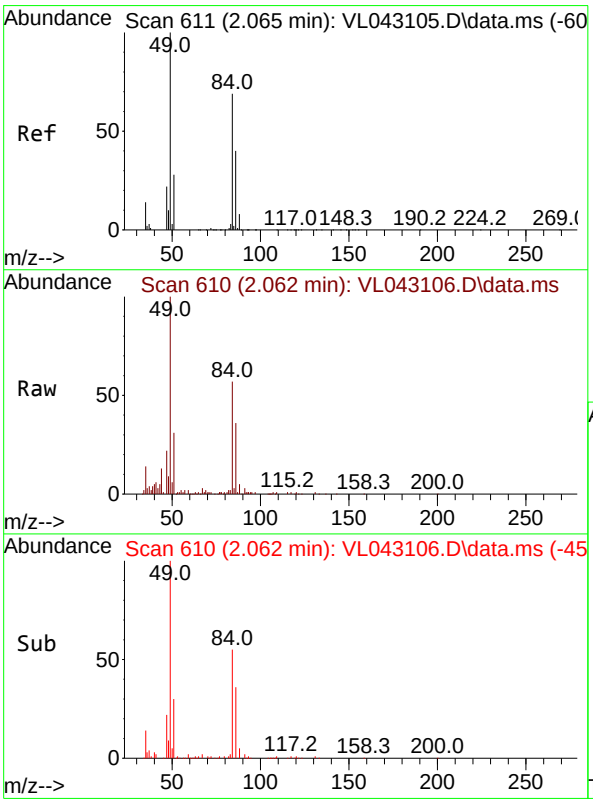
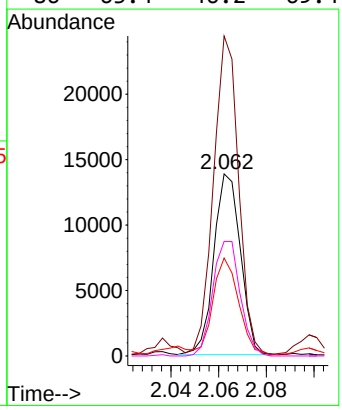
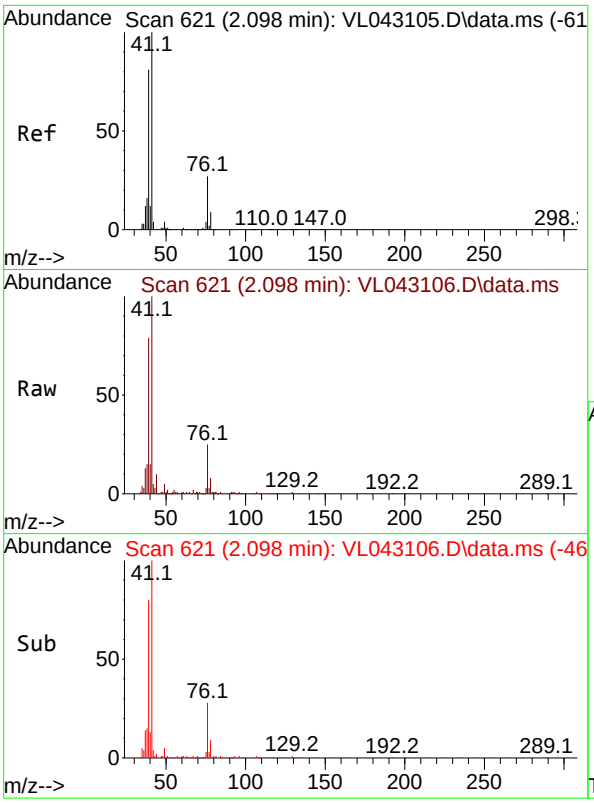


#20
Methylene Chloride
Concen: 1.906 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 84 Resp: 10694

Ion	Ratio	Lower	Upper
84	100		
49	175.6	116.6	175.0#
51	53.2	34.8	52.2#
86	63.4	46.2	69.4

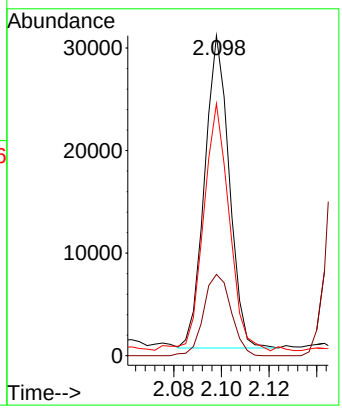




#21
Allyl Chloride
Concen: 2.090 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 41 Resp: 2190

Ion	Ratio	Lower	Upper
41	100		
76	28.9	21.5	32.3
39	83.1	60.8	91.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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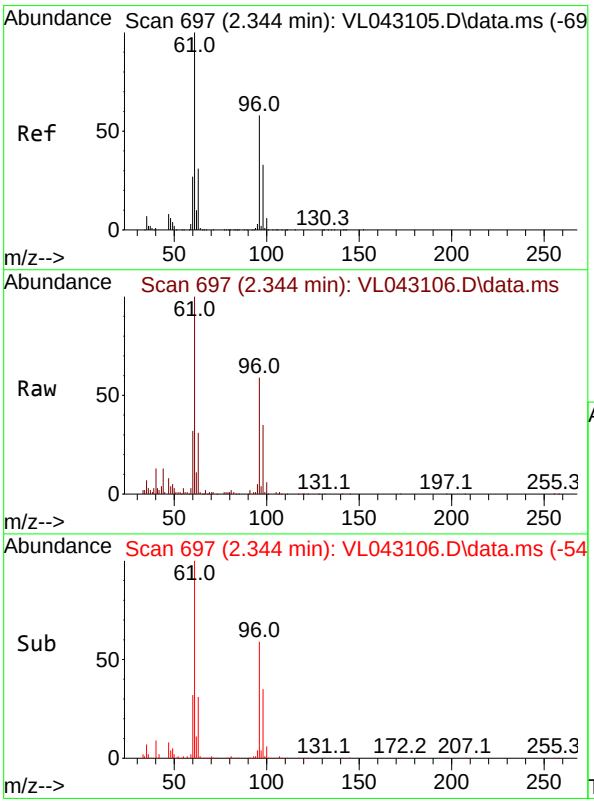
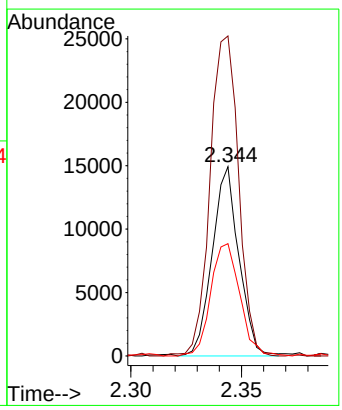
Supervised By :Mahesh Dadoda 10/16/2025

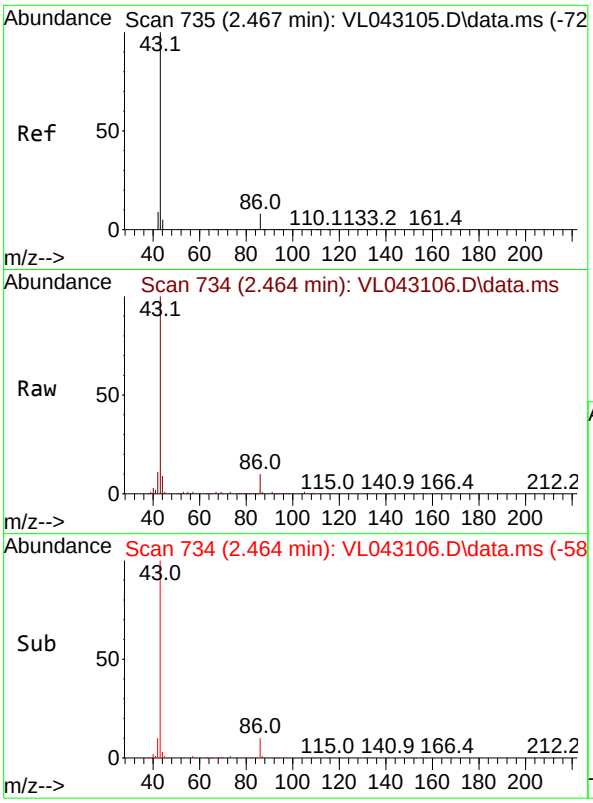


#22
trans-1,2-Dichloroethene
Concen: 2.036 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 96 Resp: 12511

Ion	Ratio	Lower	Upper
96	100		
61	169.0	137.0	205.6
98	59.3	45.5	68.3

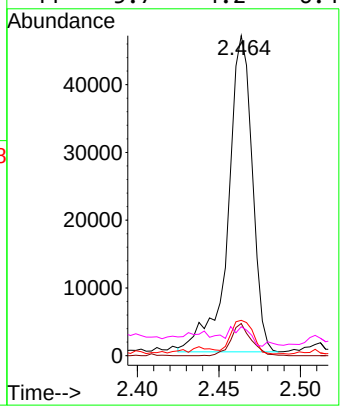




#23
Vinyl Acetate
Concen: 2.322 ppbv
RT: 2.464 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 43 Resp: 4828

Ion	Ratio	Lower	Upper
43	100		
86	10.1	6.2	9.2
42	10.6	7.6	11.4
44	5.7	4.2	6.4



Instrument :
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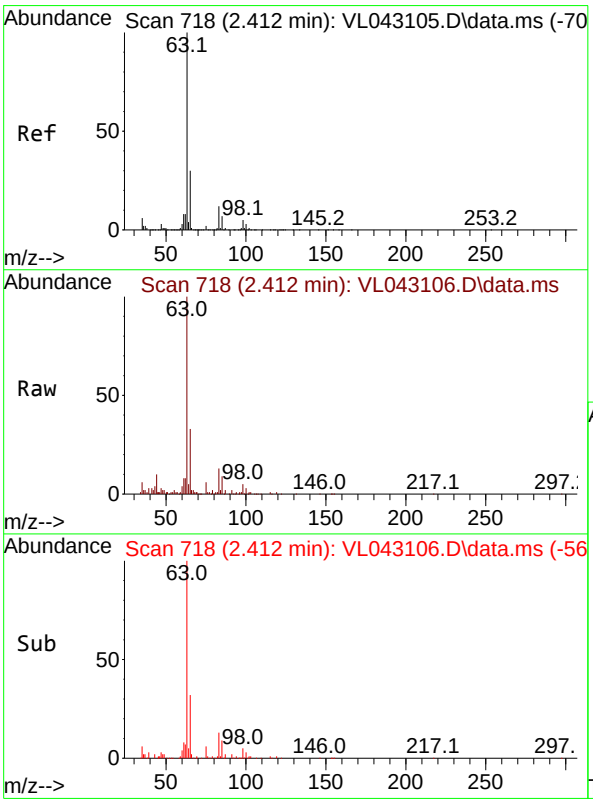
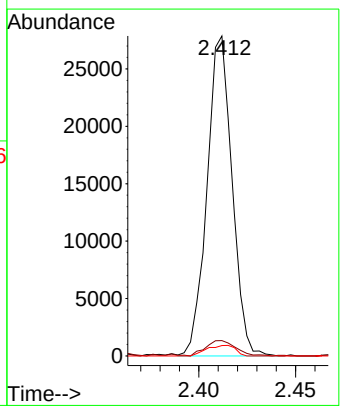
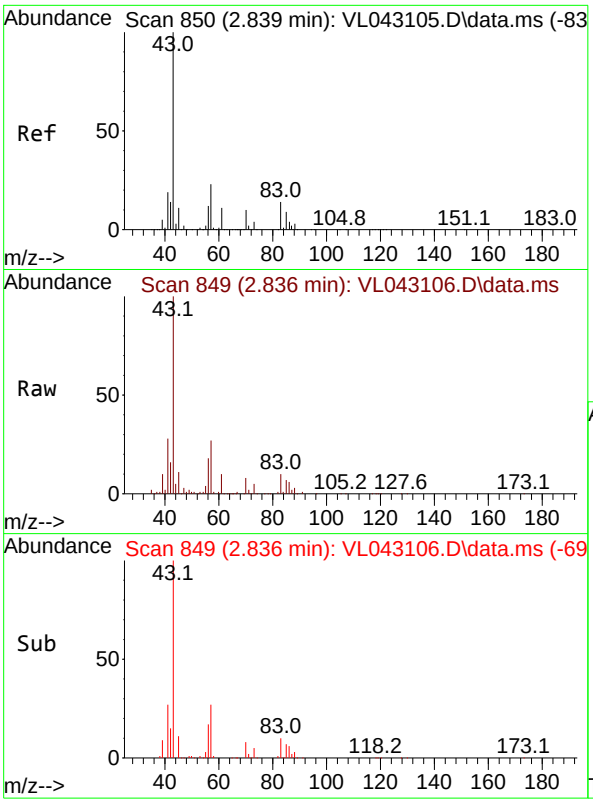


#24
1,1-Dichloroethane
Concen: 2.112 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 63 Resp: 25066

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	3.2	1.5	4.4

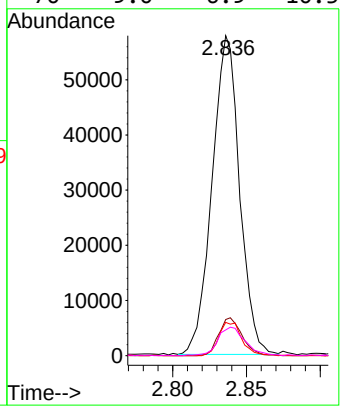




#25
Ethyl Acetate
Concen: 2.129 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 43 Resp: 7492

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.8
61	8.9	7.0	10.6
70	9.0	6.9	10.3



Instrument :
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ClientSampleId :
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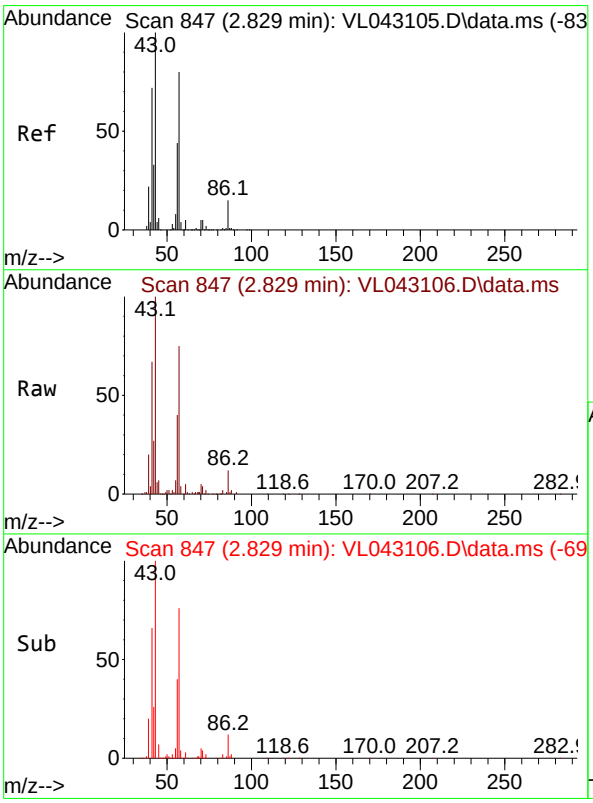
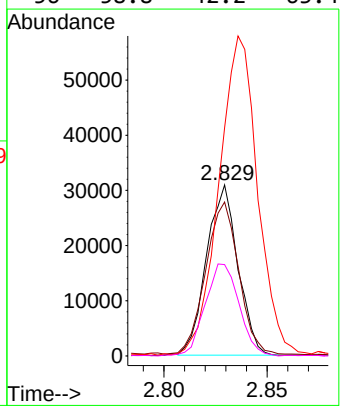
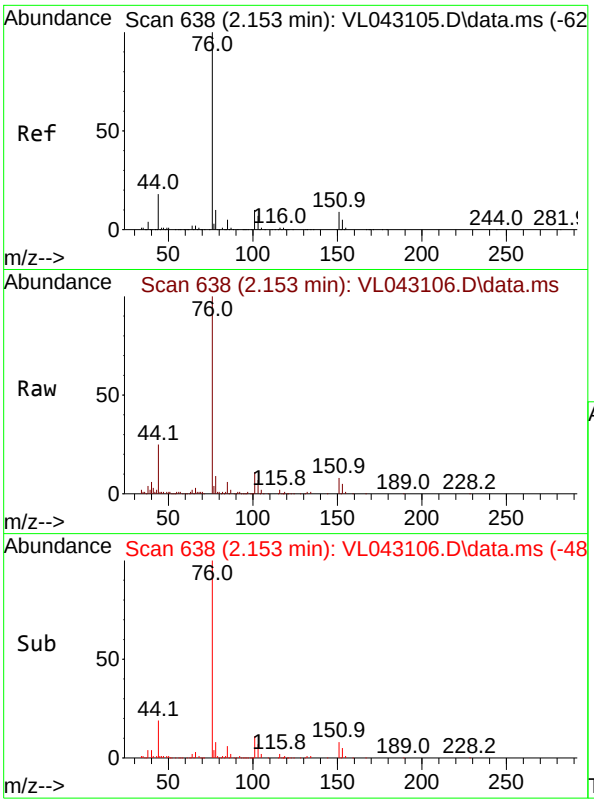


#26
Hexane
Concen: 2.010 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 57 Resp: 32595

Ion	Ratio	Lower	Upper
57	100		
41	96.4	71.4	107.0
43	233.0	178.5	267.7
56	58.8	42.2	63.4

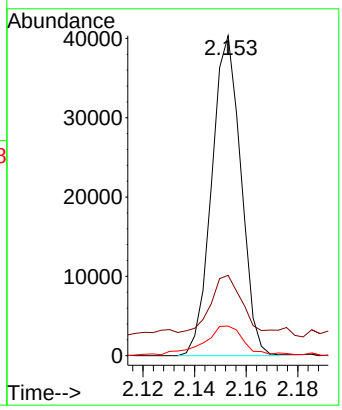




#27
Carbon Disulfide
Concen: 2.134 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 76 Resp: 3170

Ion	Ratio	Lower	Upper
76	100		
44	23.1	16.7	25.1
78	13.6	9.3	13.9



Instrument :
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ClientSampleId :
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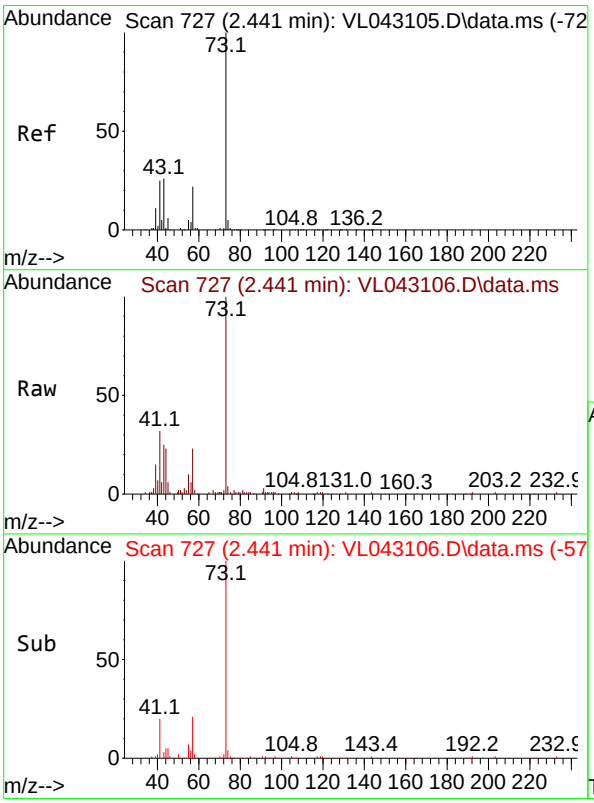
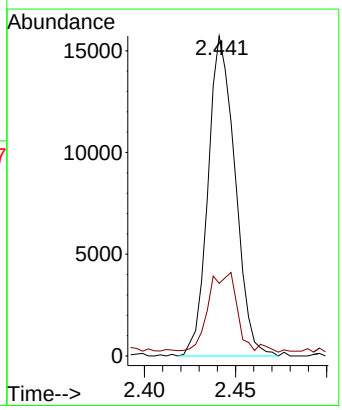
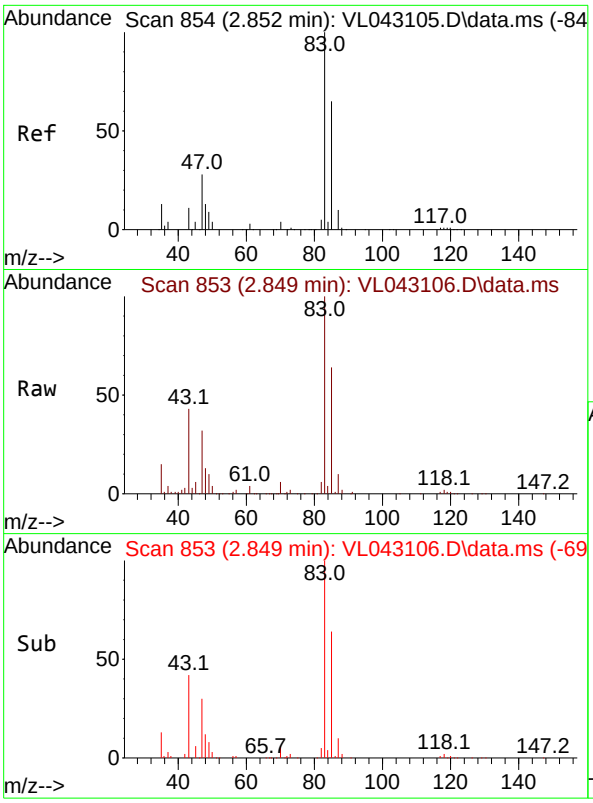


#28
Methyl tert-Butyl Ether
Concen: 2.196 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 73 Resp: 16207

Ion	Ratio	Lower	Upper
73	100		
57	26.6	20.5	30.7

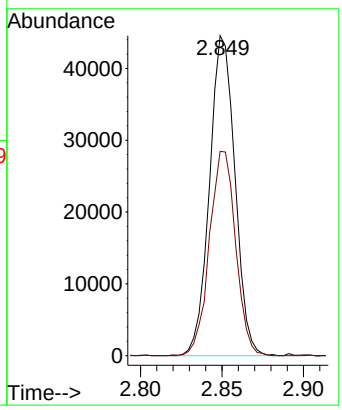




#29
Chloroform
Concen: 2.058 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 83 Resp: 4836

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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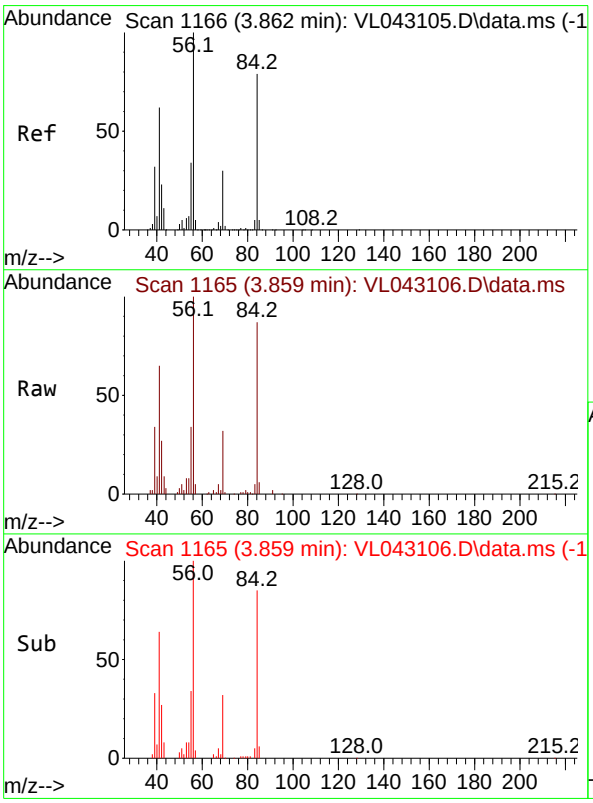
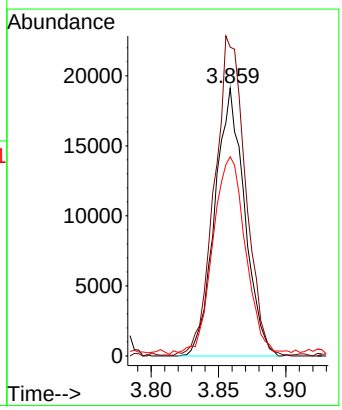
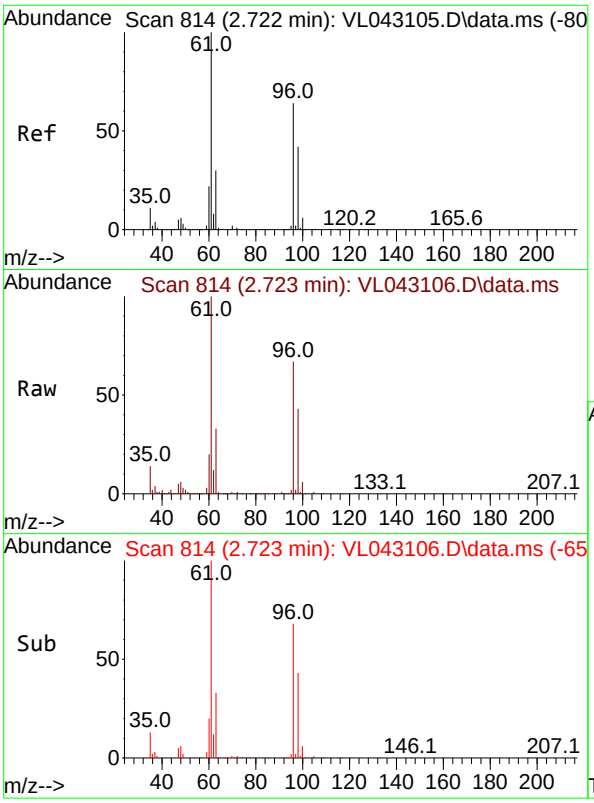


#30
Cyclohexane
Concen: 2.069 ppbv
RT: 3.859 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 84 Resp: 29270

Ion	Ratio	Lower	Upper
84	100		
56	125.6	100.9	151.3
41	79.0	63.8	95.6

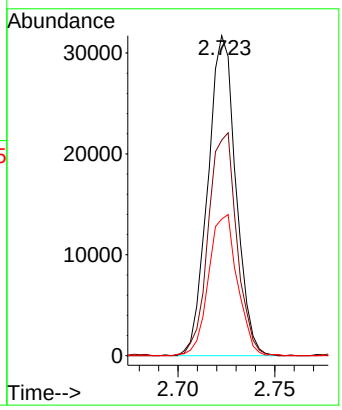




#31
cis-1,2-Dichloroethene
Concen: 2.061 ppbv
RT: 2.723 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 61 Resp: 3192

Ion	Ratio	Lower	Upper
61	100		
96	67.3	51.0	76.6
98	42.3	33.5	50.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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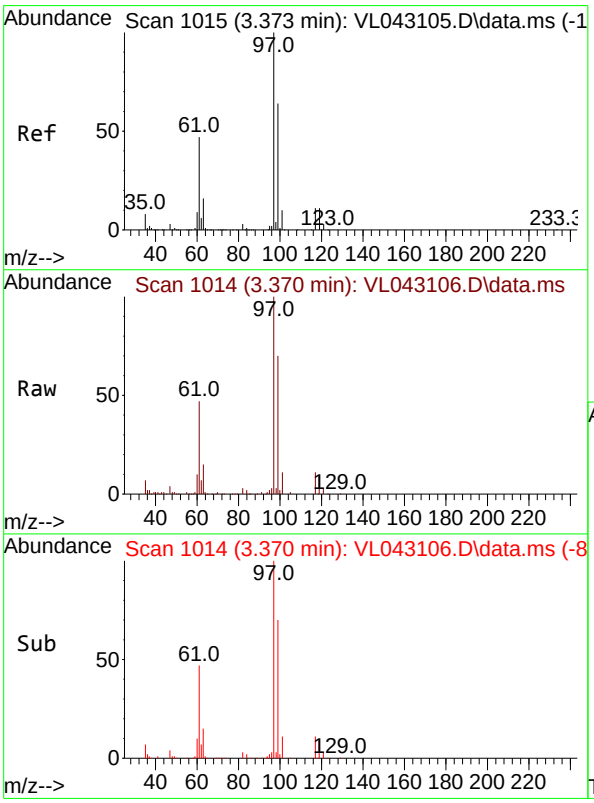
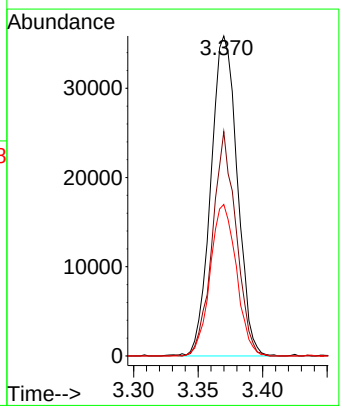
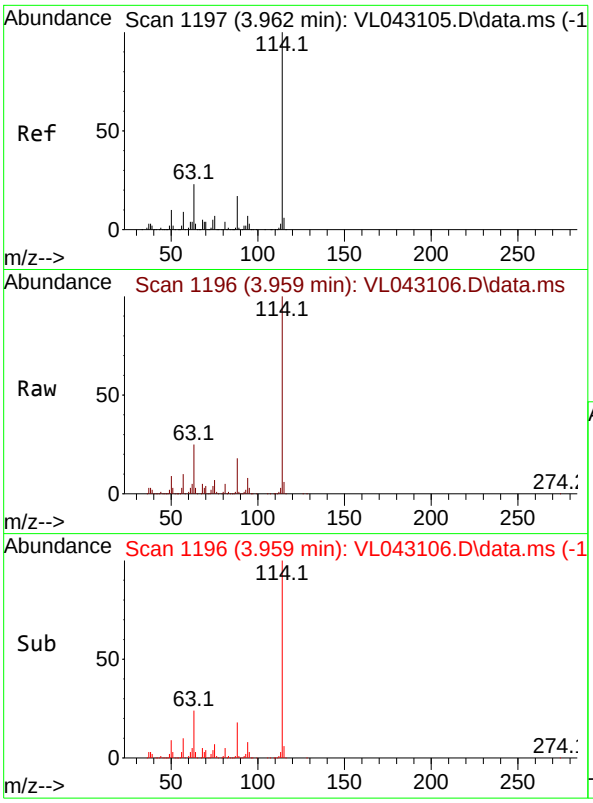


#32
1,1,1-Trichloroethane
Concen: 2.086 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 97 Resp: 51049

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.3	76.9
61	46.9	38.4	57.6

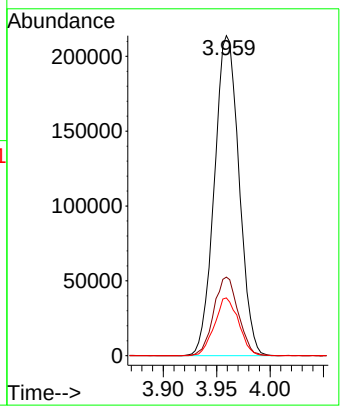




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:114 Resp: 34293

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.3	28.9
88	17.8	13.9	20.9



Instrument :
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ClientSampleId :
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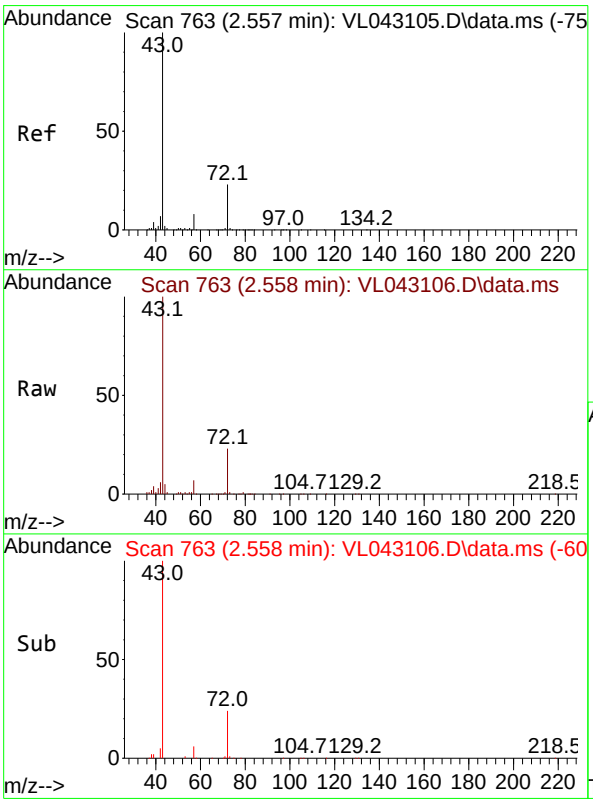
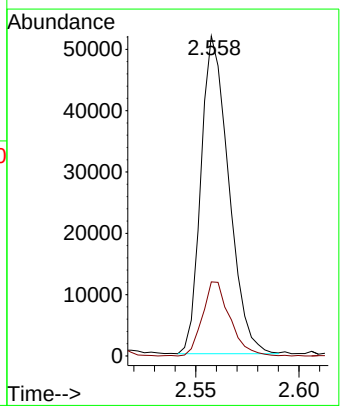
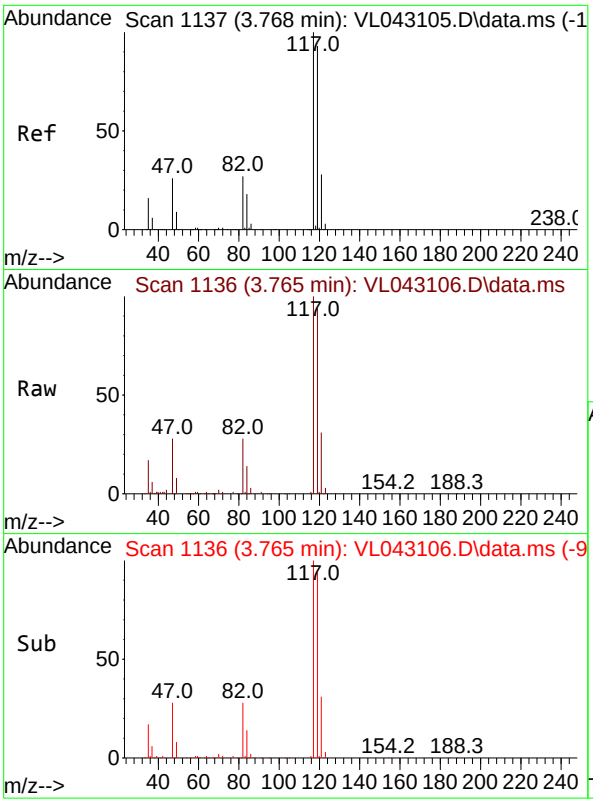


#34
2-Butanone
Concen: 2.090 ppbv
RT: 2.558 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 43 Resp: 48458

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6

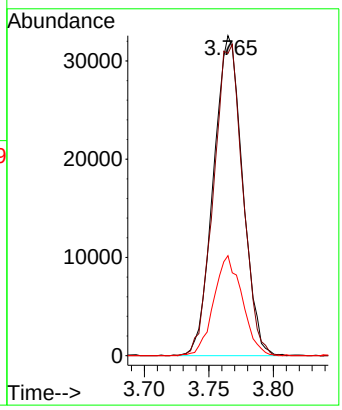




#35
Carbon Tetrachloride
Concen: 2.071 ppbv
RT: 3.765 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:117 Resp: 5107

Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.1	111.1
121	31.3	22.2	33.2



Instrument :
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ClientSampleId :
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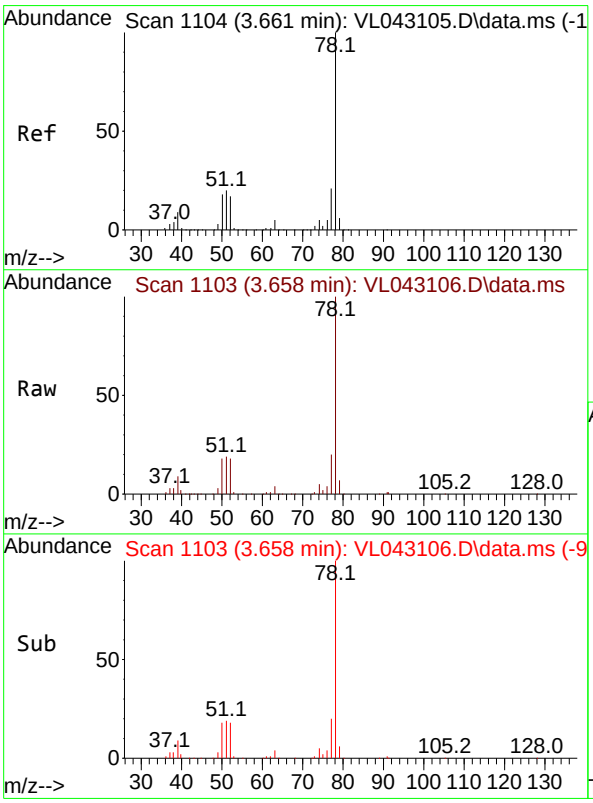
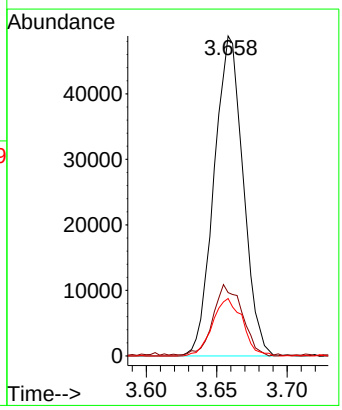
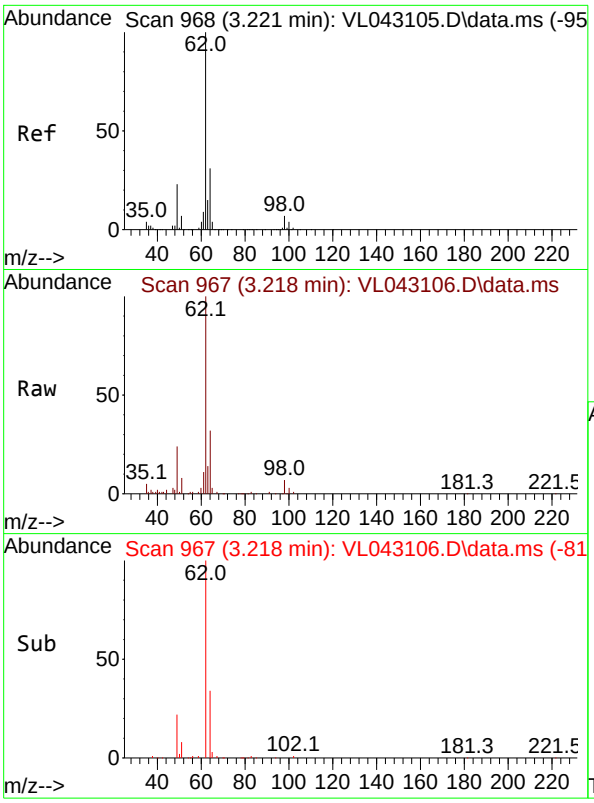


#36
Benzene
Concen: 2.172 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 78 Resp: 70156

Ion	Ratio	Lower	Upper
78	100		
77	19.5	17.0	25.6
50	18.0	14.6	22.0

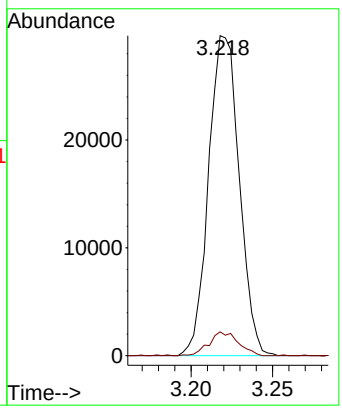




#37
1,2-Dichloroethane
Concen: 2.083 ppbv
RT: 3.218 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 62 Resp: 3876

Ion	Ratio	Lower	Upper
62	100		
98	7.3	5.8	8.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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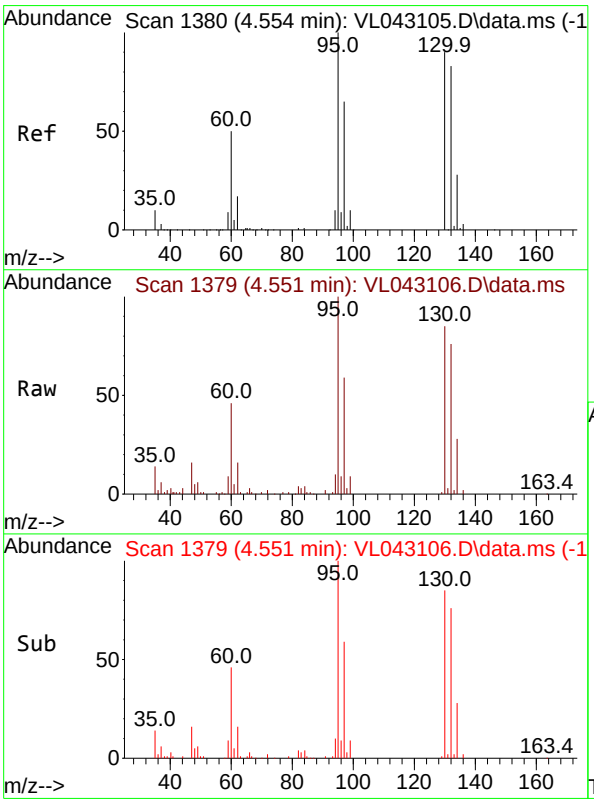
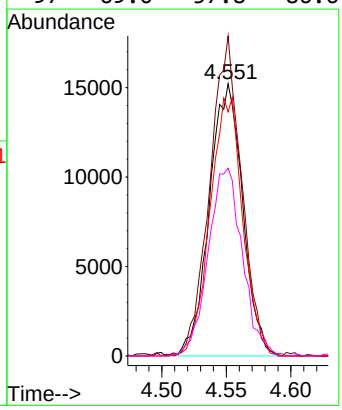
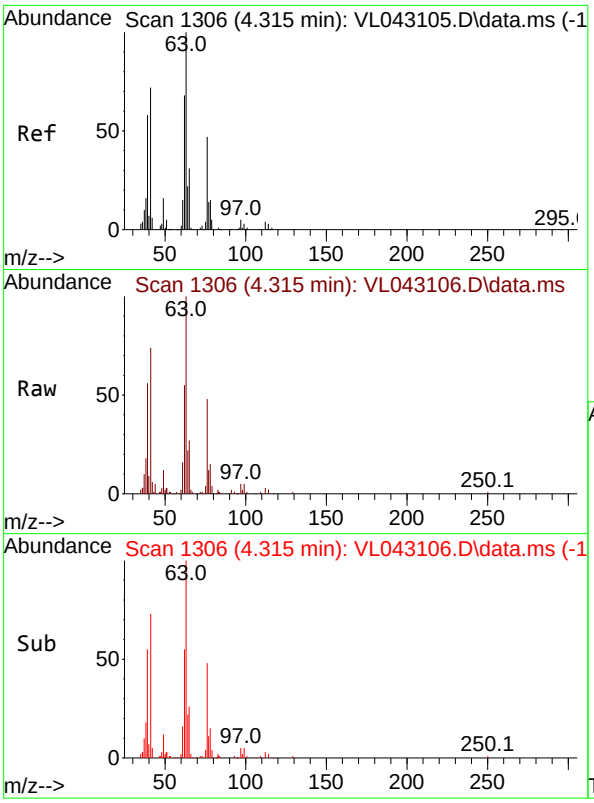


#38
Trichloroethene
Concen: 2.024 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:130 Resp: 27272

Ion	Ratio	Lower	Upper
130	100		
95	117.1	88.6	133.0
132	89.0	73.4	110.0
97	69.0	57.8	86.6

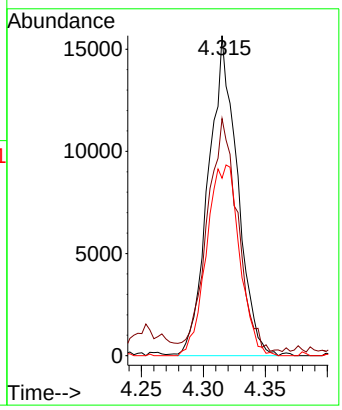




#39
1,2-Dichloropropane
Concen: 2.151 ppbv
RT: 4.315 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 63 Resp: 2542

Ion	Ratio	Lower	Upper
63	100		
41	72.3	58.0	87.0
62	55.5	54.7	82.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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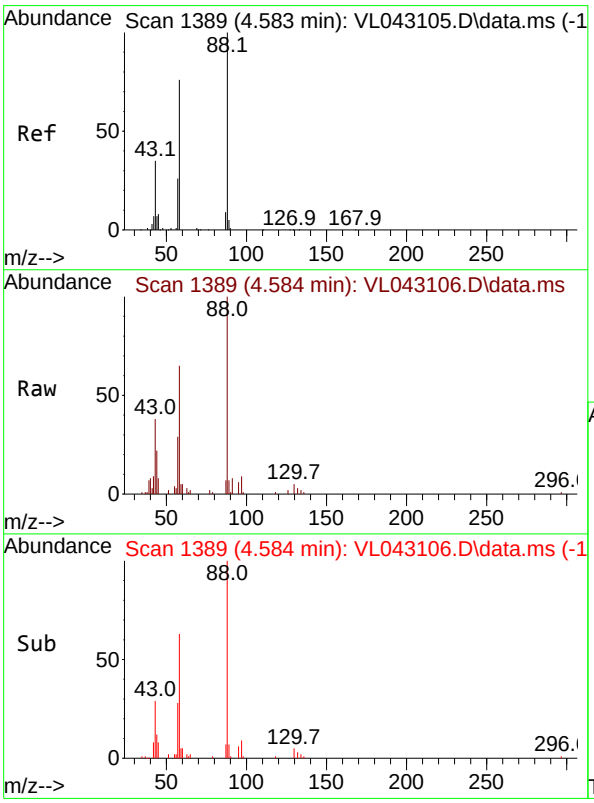
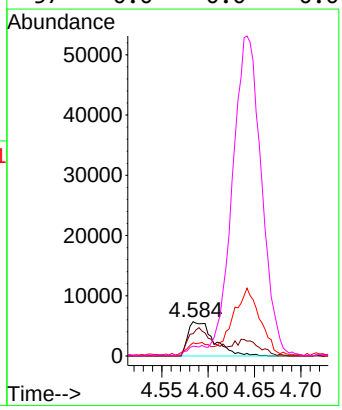
Supervised By :Mahesh Dadoda 10/16/2025

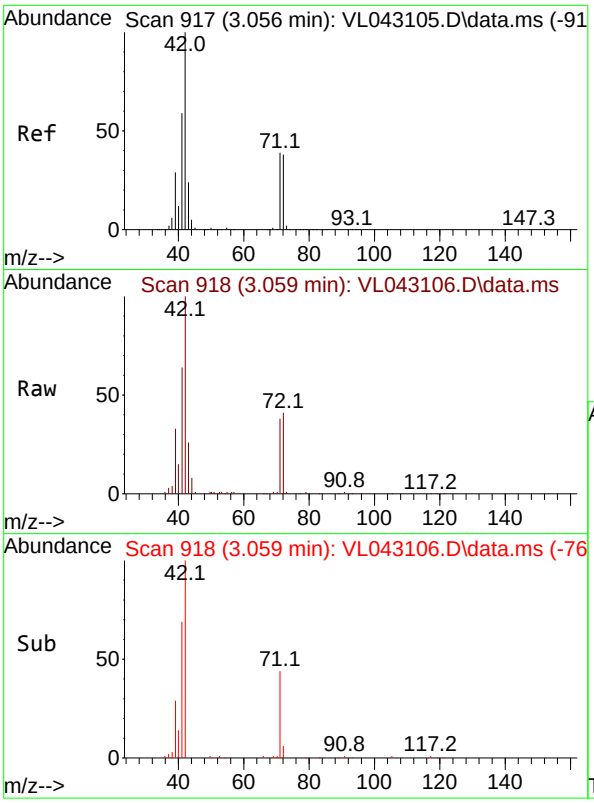


#40
1,4-Dioxane
Concen: 2.101 ppbv m
RT: 4.584 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 88 Resp: 11102

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	0.0	24.0	36.0#
57	0.0	0.0	0.0

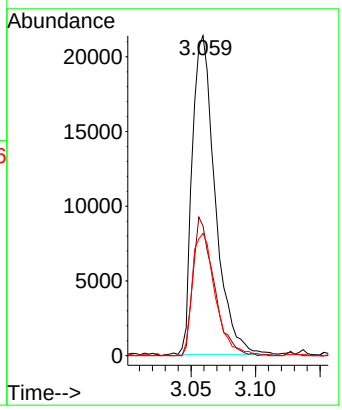




#41
Tetrahydrofuran
Concen: 2.037 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 42 Resp: 2636

Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.3	46.9
71	39.4	30.4	45.6



Instrument :
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ClientSampleId :
VSTDICC002

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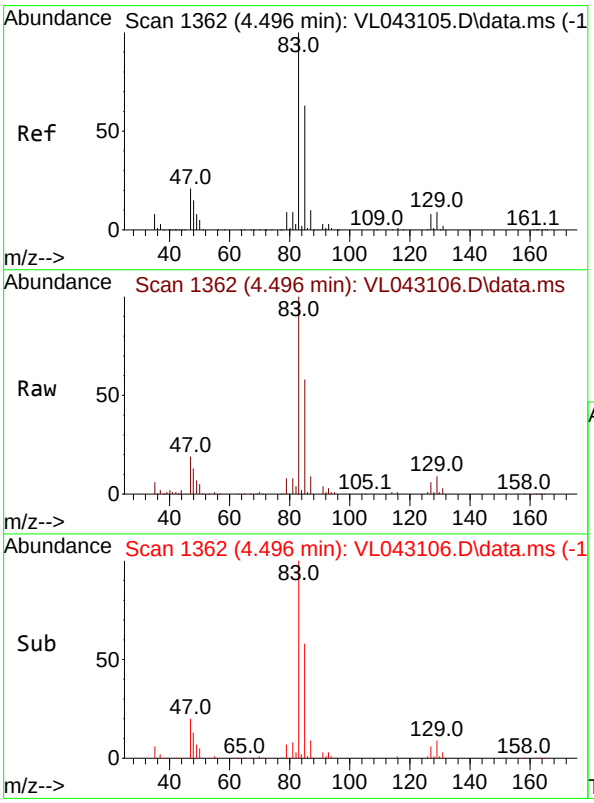
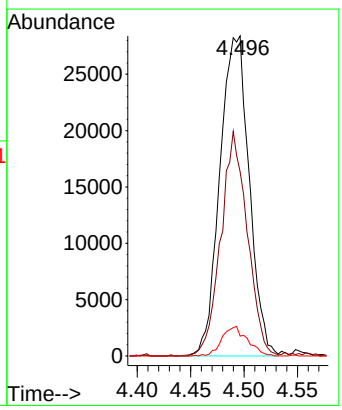
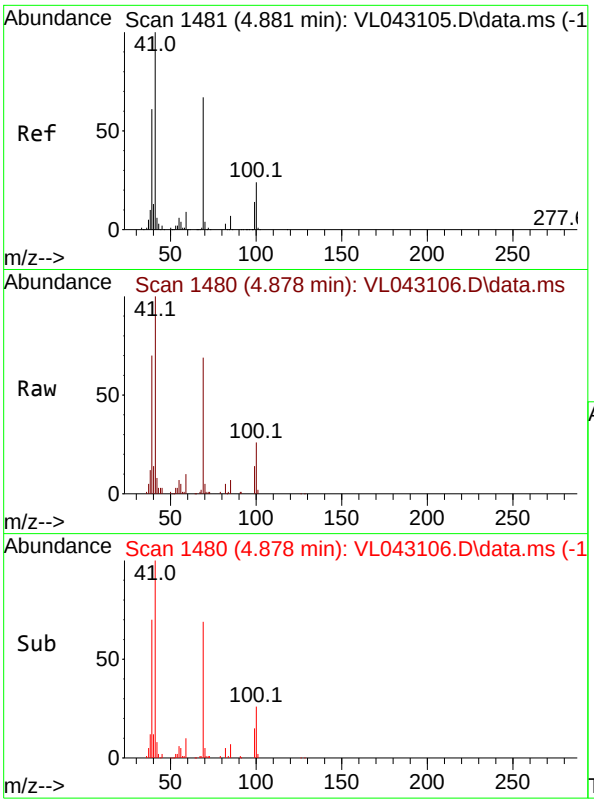


#42
Bromodichloromethane
Concen: 2.106 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 83 Resp: 54224

Ion	Ratio	Lower	Upper
83	100		
85	57.6	50.6	75.8
127	6.2	6.3	9.5#

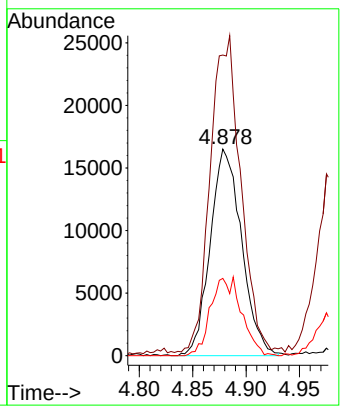




#43
Methyl Methacrylate
Concen: 2.051 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 69 Resp: 3380

Ion	Ratio	Lower	Upper
69	100		
41	151.4	120.5	180.7
100	37.3	29.0	43.4



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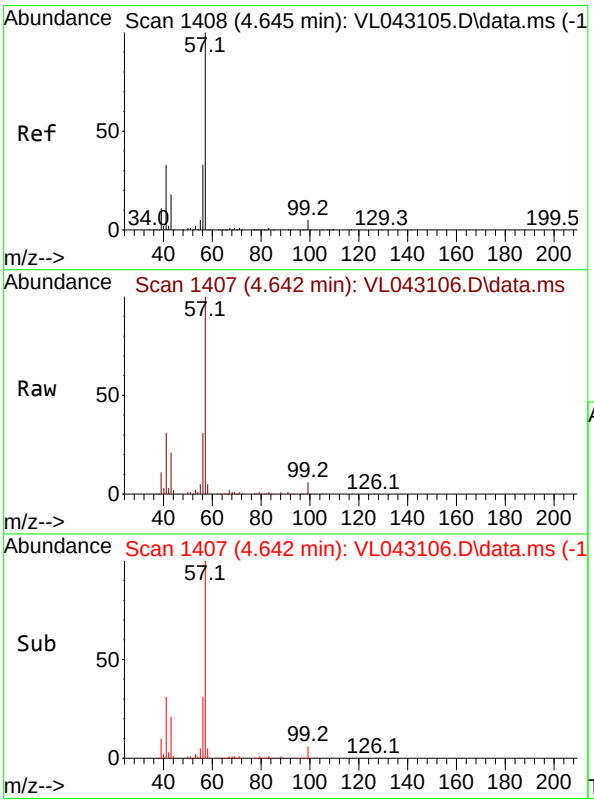
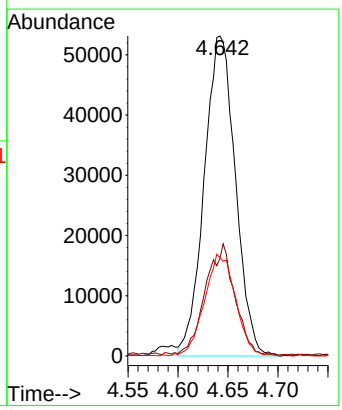
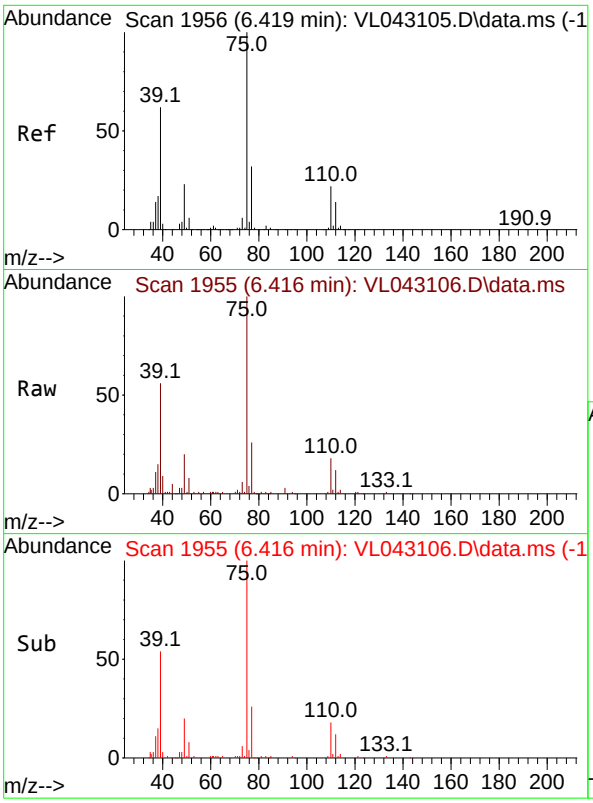


#44
2,2,4-Trimethylpentane
Concen: 2.137 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 57 Resp: 115417

Ion	Ratio	Lower	Upper
57	100		
41	34.0	26.3	39.5
56	31.9	25.9	38.9

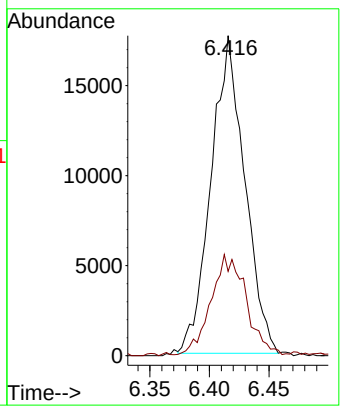




#45
t-1,3-Dichloropropene
Concen: 2.109 ppbv
RT: 6.416 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 75 Resp: 3472

Ion	Ratio	Lower	Upper
75	100		
77	26.3	25.4	38.2



Instrument :
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ClientSampleId :
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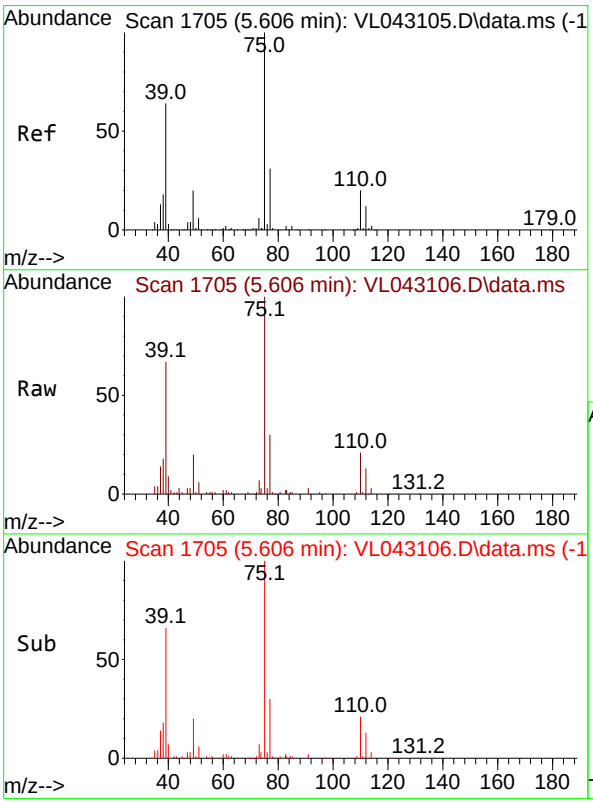
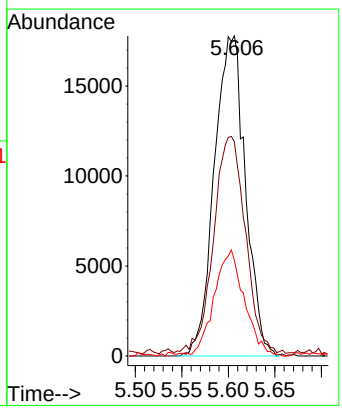
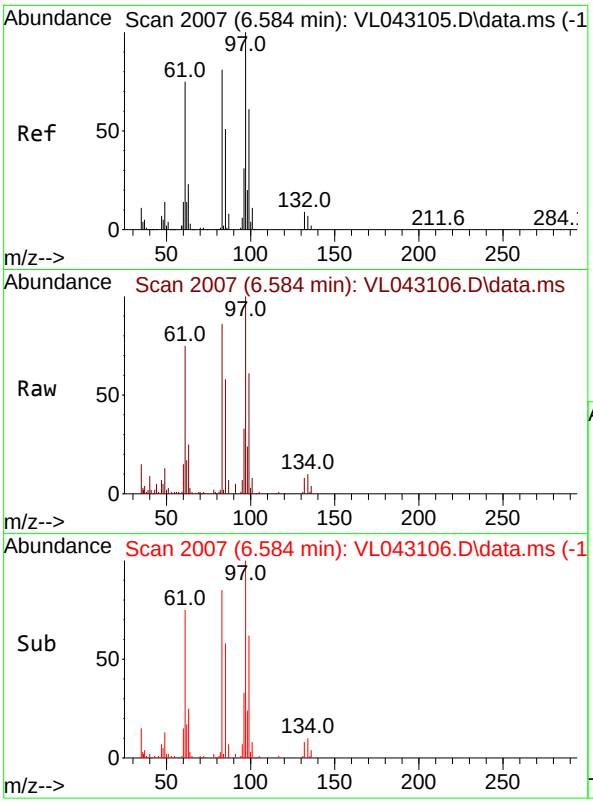


#46
cis-1,3-Dichloropropene
Concen: 2.105 ppbv m
RT: 5.606 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 75 Resp: 41365

Ion	Ratio	Lower	Upper
75	100		
39	66.9	51.0	76.6
77	30.0	25.0	37.4

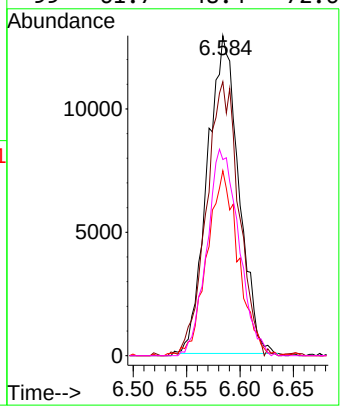




#47
1,1,2-Trichloroethane
Concen: 2.067 ppbv
RT: 6.584 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 97 Resp: 2635

Ion	Ratio	Lower	Upper
97	100		
83	86.2	64.6	96.8
85	58.2	40.6	60.8
99	61.7	48.4	72.6



Instrument :
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ClientSampleId :
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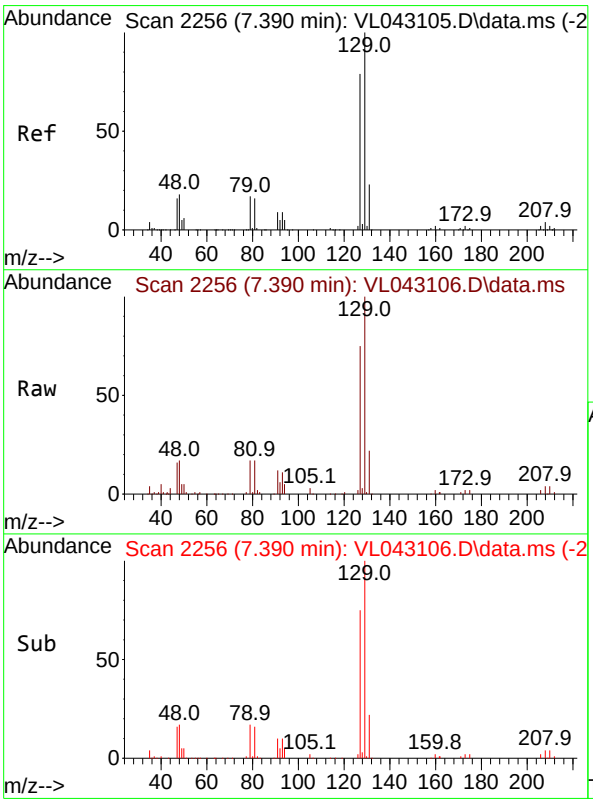
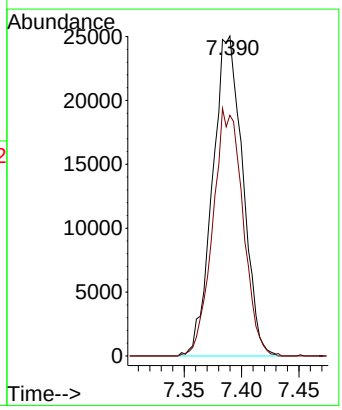
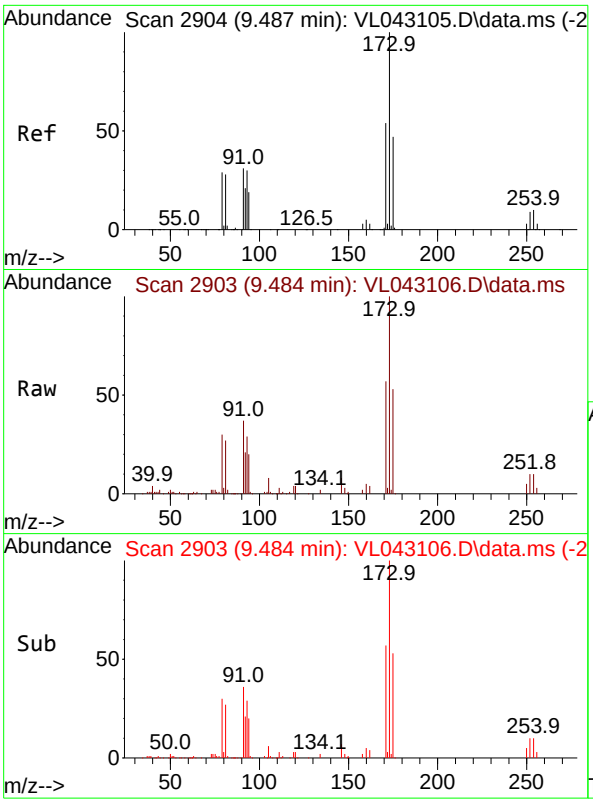


#48
Dibromochloromethane
Concen: 2.146 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:129 Resp: 45751

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.3	117.9

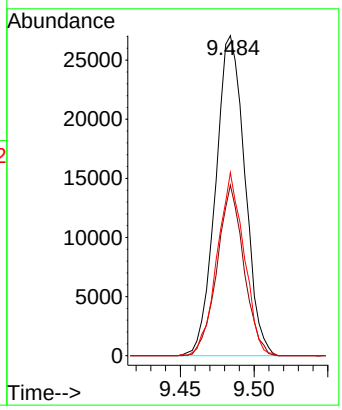




#49
Bromoform
Concen: 2.153 ppbv
RT: 9.484 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:173 Resp: 3731

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.8	58.2
171	52.7	41.7	62.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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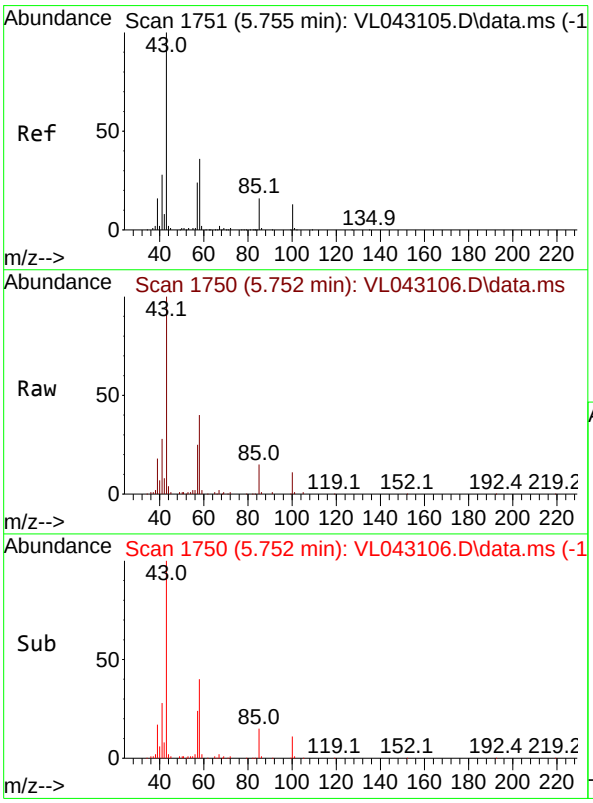
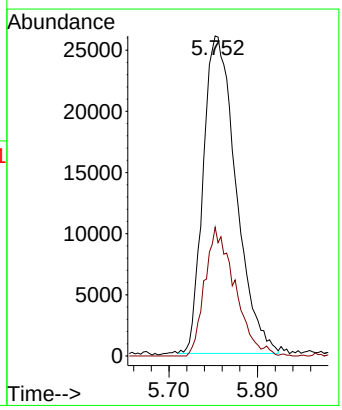
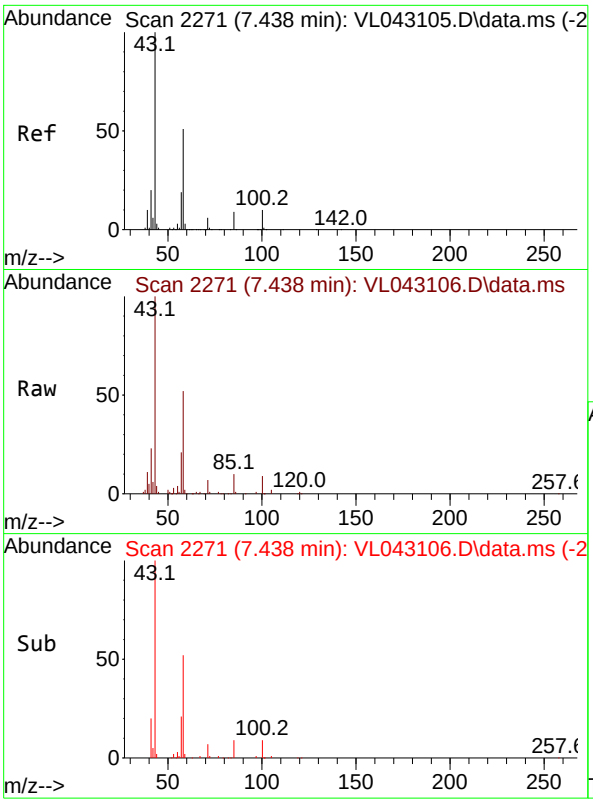


#50
4-Methyl-2-Pentanone
Concen: 2.089 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 43 Resp: 66811

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.1	43.7





#51
2-Hexanone
Concen: 2.122 ppbv
RT: 7.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 43 Resp: 5064

Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.4	60.6
98	0.0	0.1	0.1

Instrument :
MSVOA_L
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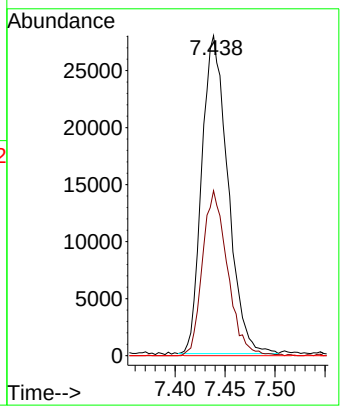
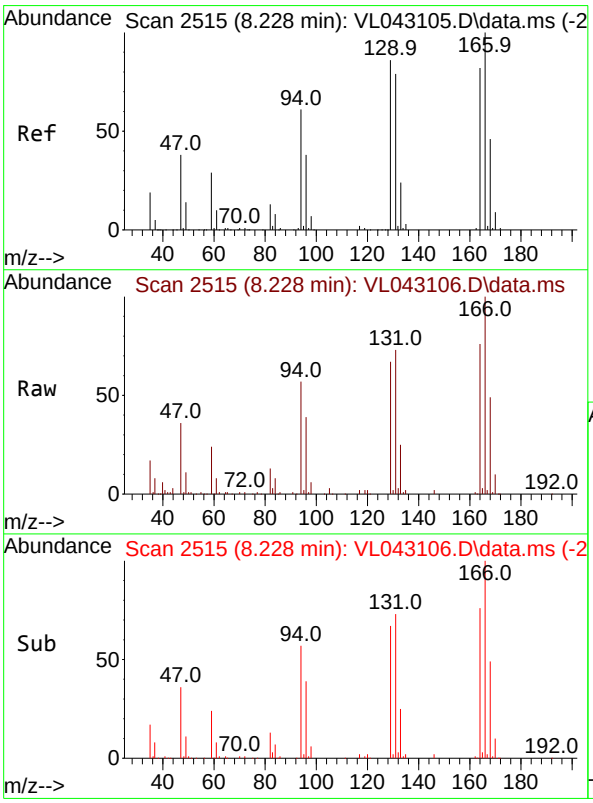
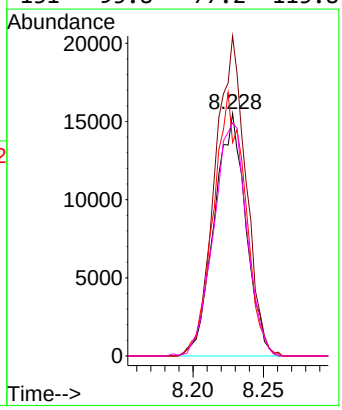


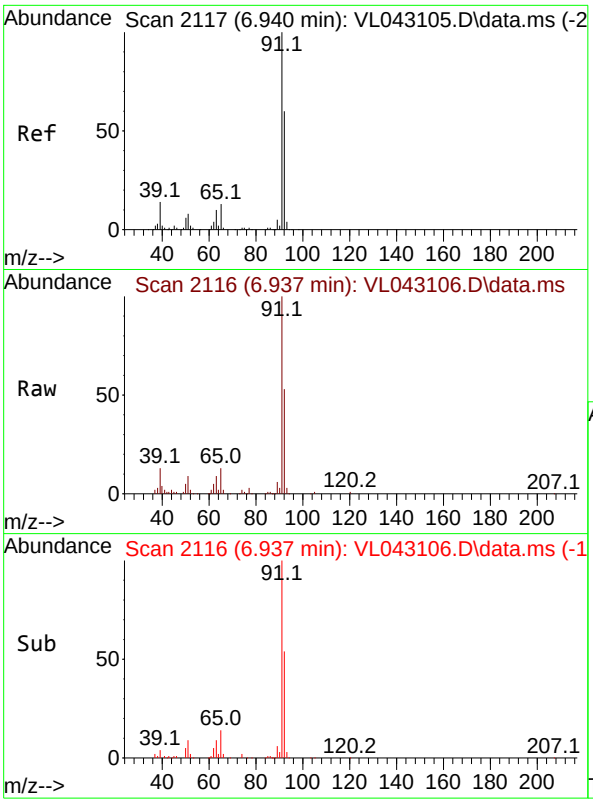


#52
Tetrachloroethene
Concen: 2.076 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:164 Resp: 24183

Ion	Ratio	Lower	Upper
164	100		
166	132.0	97.6	146.4
129	88.0	84.5	126.7
131	95.8	77.2	115.8

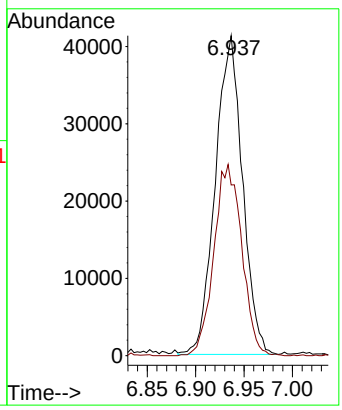




#53
Toluene
Concen: 2.104 ppbv
RT: 6.937 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 8066

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.8	73.2



Instrument :
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ClientSampleId :
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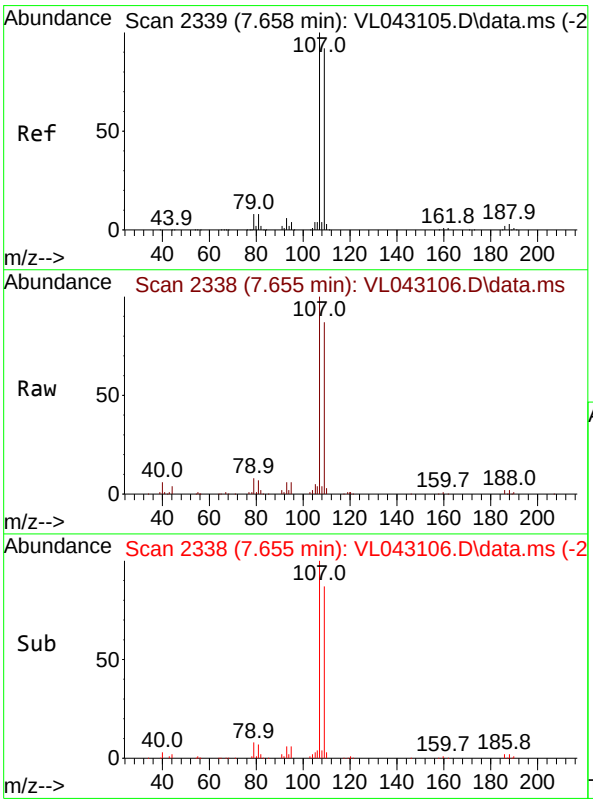
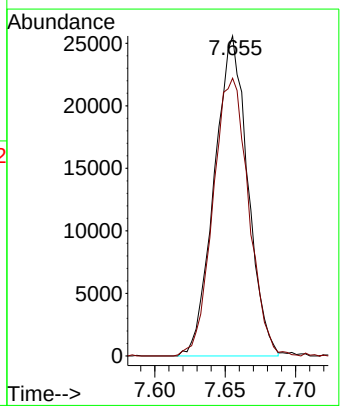
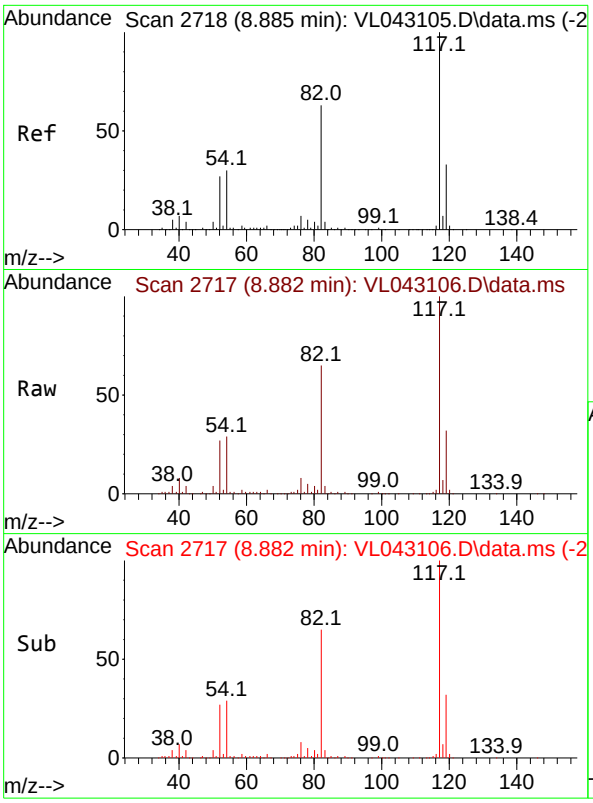


#54
1,2-Dibromoethane
Concen: 2.103 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:107 Resp: 42320

Ion	Ratio	Lower	Upper
107	100		
109	86.5	73.4	110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:117 Resp: 31360

Ion	Ratio	Lower	Upper
117	100		
82	63.9	53.8	80.8
119	32.3	25.4	38.0

Instrument :
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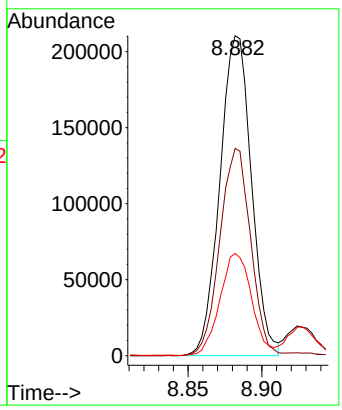
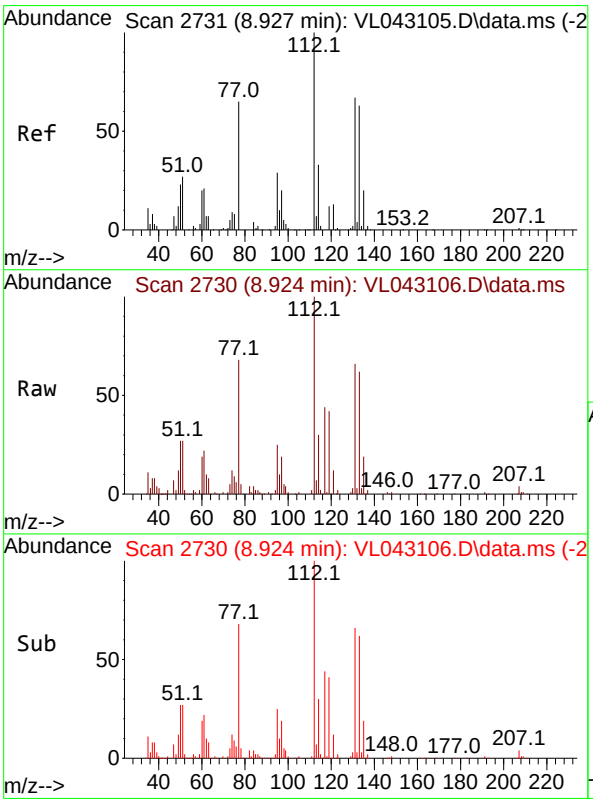
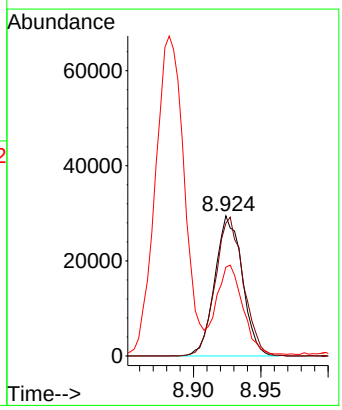


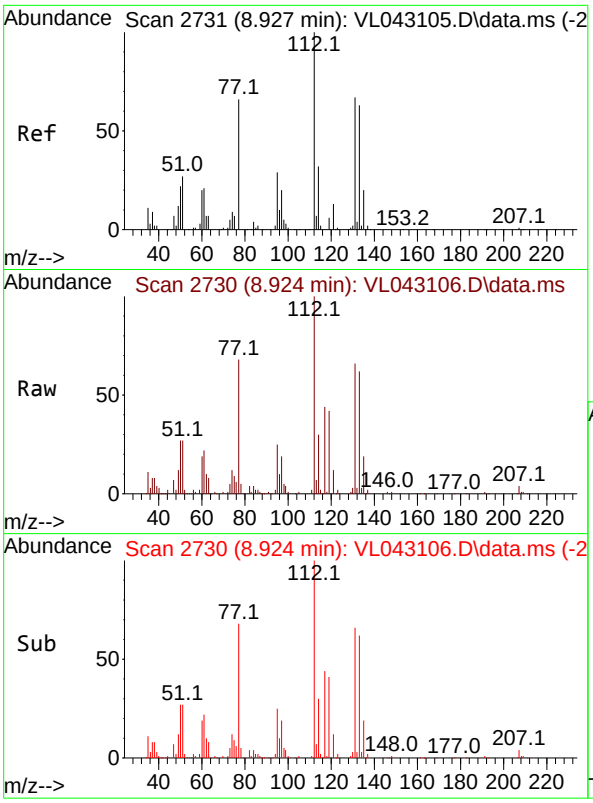


#56
1,1,1,2-Tetrachloroethane
Concen: 2.110 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:131 Resp: 41712

Ion	Ratio	Lower	Upper
131	100		
133	101.2	75.7	113.5
119	59.2	50.6	76.0

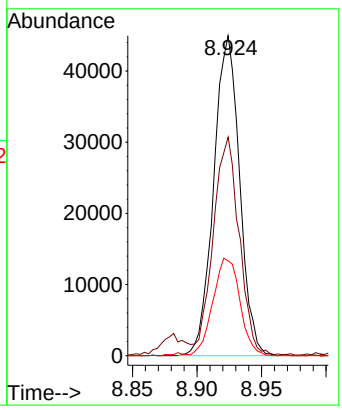




#57
Chlorobenzene
Concen: 2.138 ppbv
RT: 8.924 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:112 Resp: 6271

Ion	Ratio	Lower	Upper
112	100		
77	67.8	53.3	79.9
114	29.6	29.3	35.8



Instrument :
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ClientSampleId :
VSTDICC002

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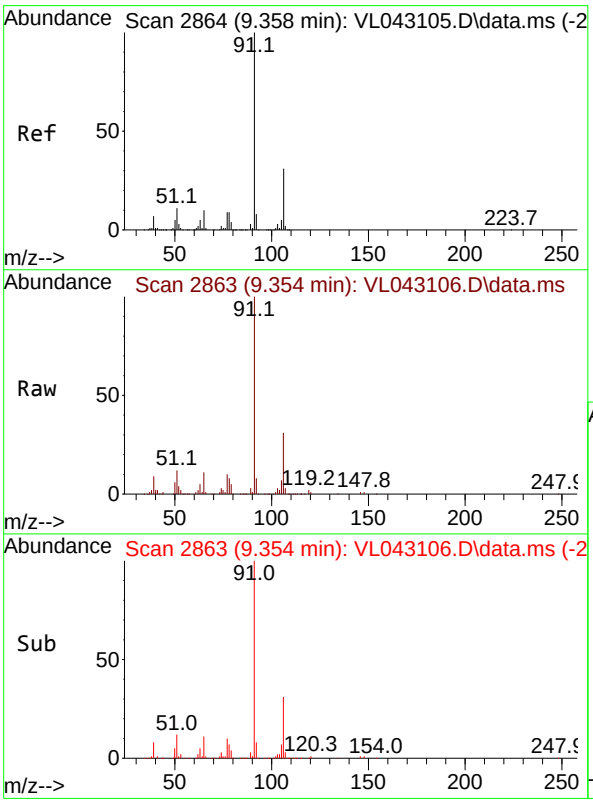
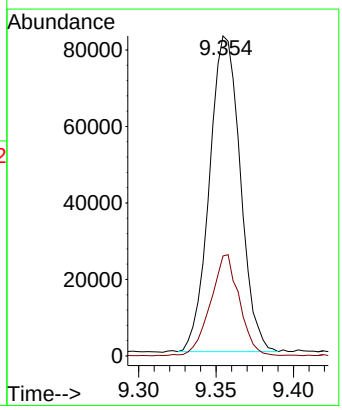
Supervised By :Mahesh Dadoda 10/16/2025

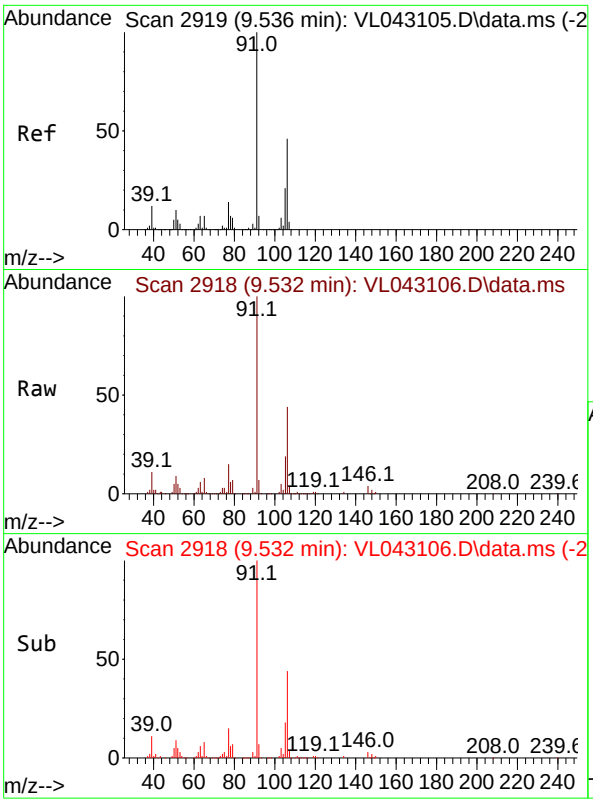


#58
Ethyl Benzene
Concen: 2.109 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 114403

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.8	37.2





#59
m/p-Xylene
Concen: 4.311 ppbv m
RT: 9.532 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 18519

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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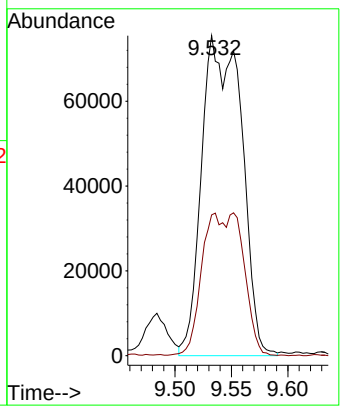
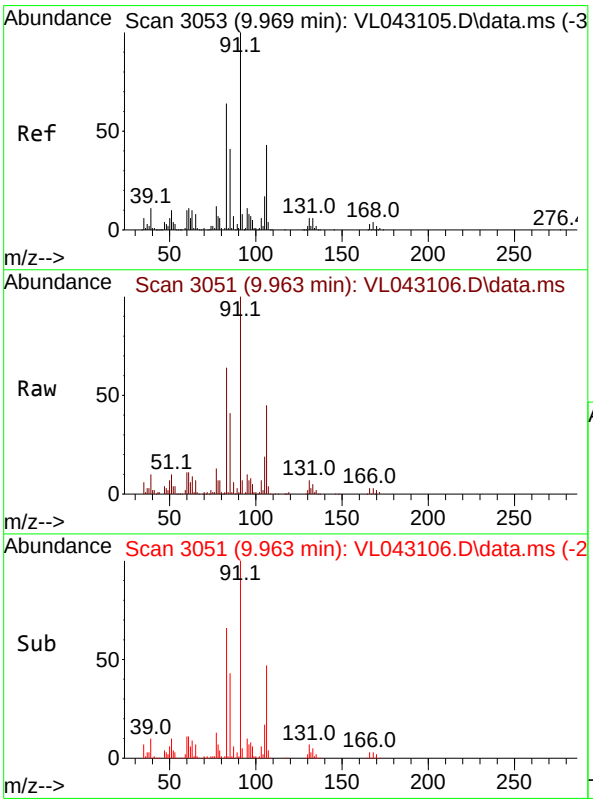
Supervised By :Mahesh Dadoda 10/16/2025

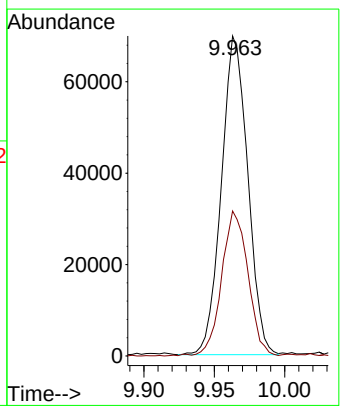


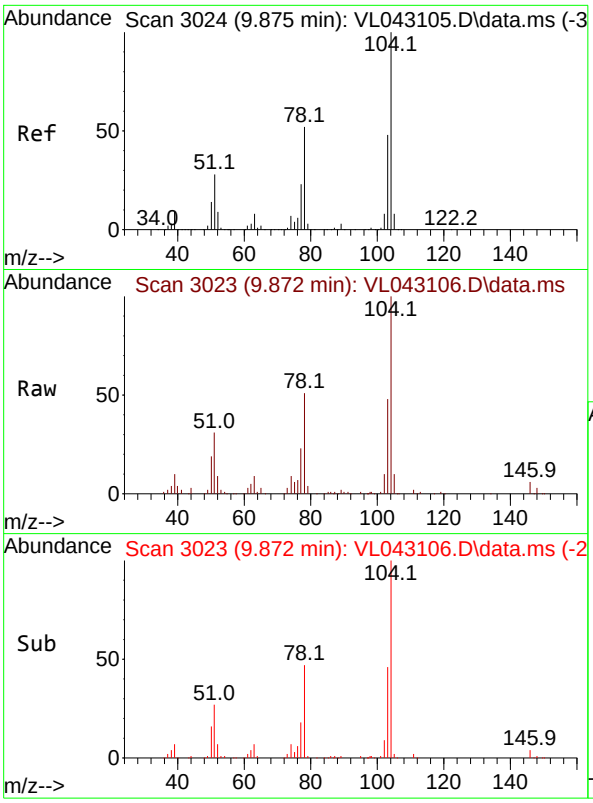


#60
o-Xylene
Concen: 2.152 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 91223

Ion	Ratio	Lower	Upper
91	100		
106	45.2	21.9	65.8

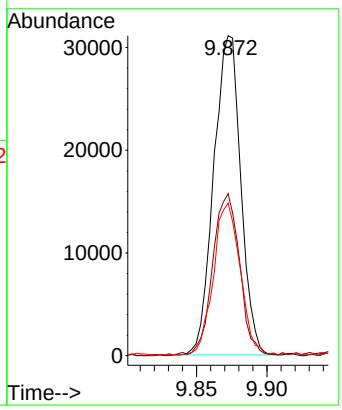




#61
Styrene
Concen: 2.175 ppbv
RT: 9.872 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:104 Resp: 4163

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.2	60.2
103	47.4	36.9	55.3



Instrument :
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ClientSampleId :
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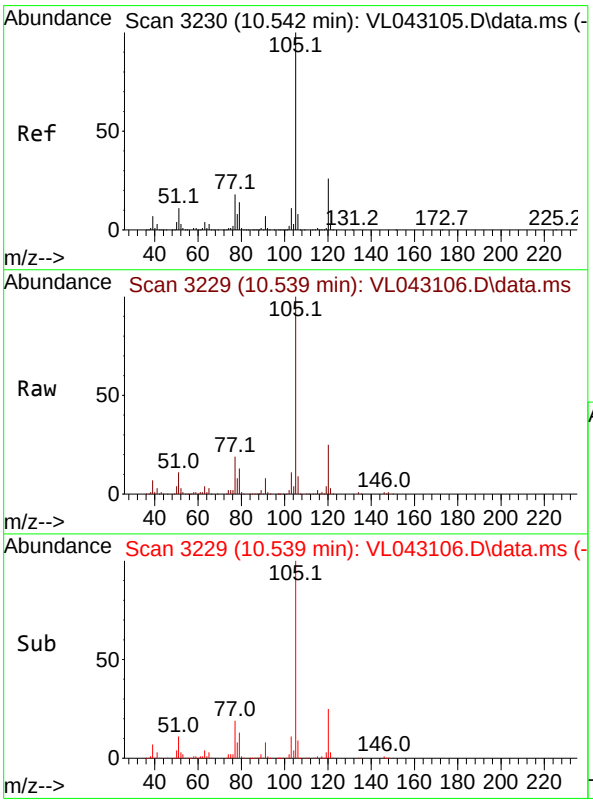
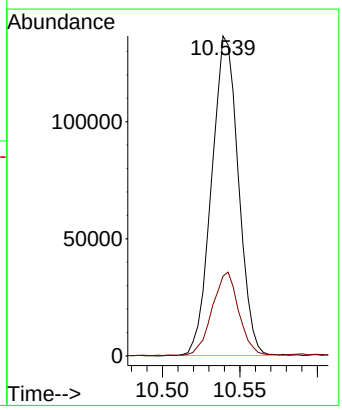
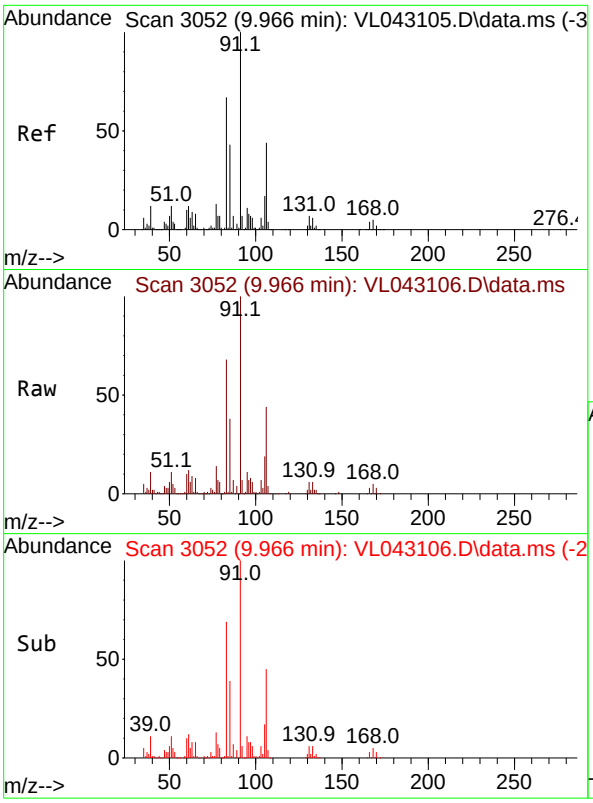


#62
Isopropylbenzene
Concen: 2.142 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:105 Resp: 164073

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.2	30.4





#63
1,1,2,2-Tetrachloroethane
Concen: 2.061 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 83 Resp: 5851

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	63.2	32.0	96.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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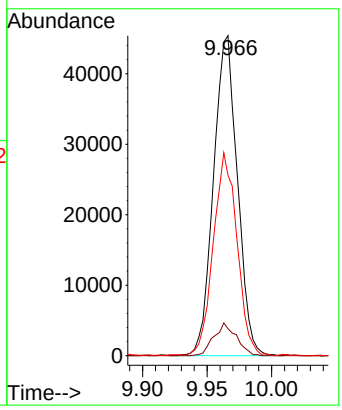
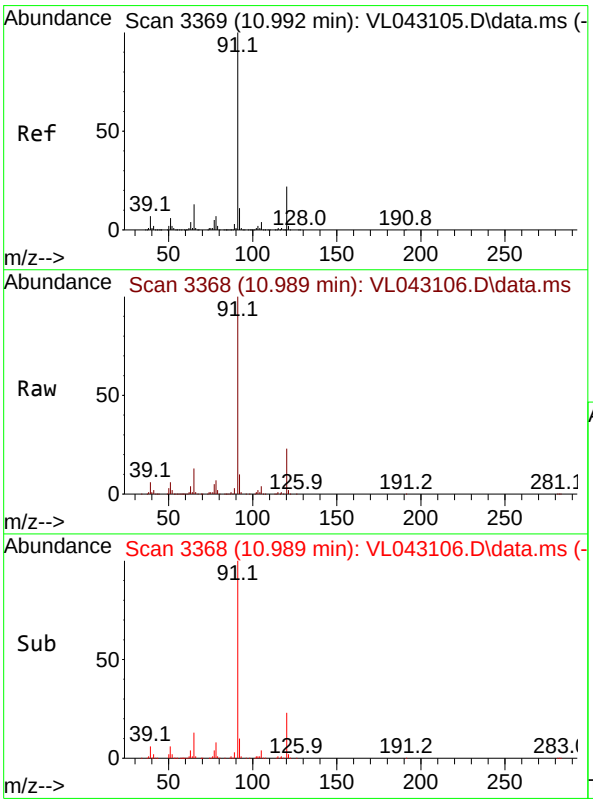
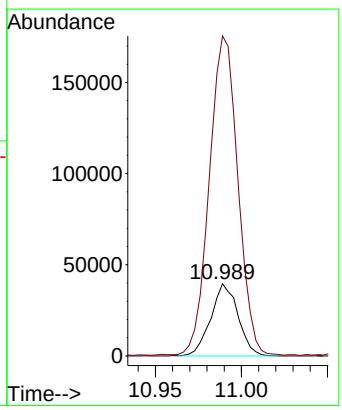


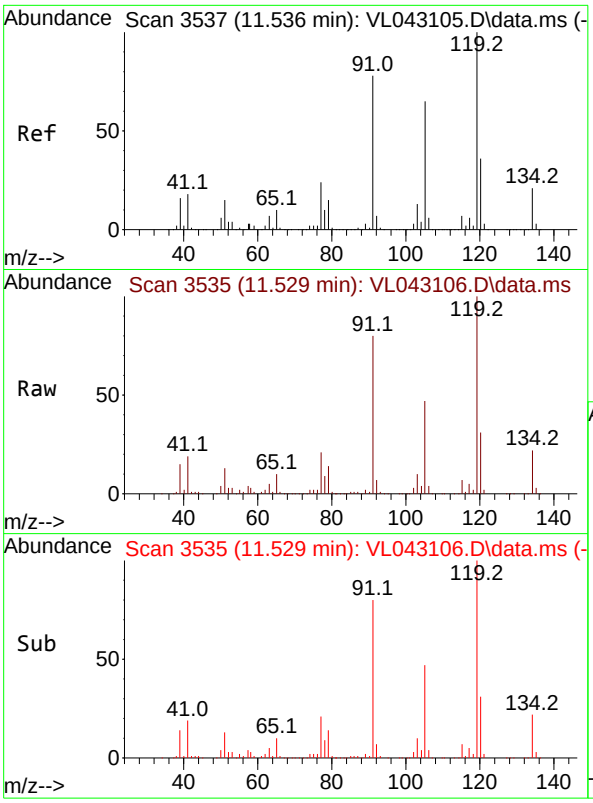


#64
n-propylbenzene
Concen: 2.152 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:120 Resp: 43648

Ion	Ratio	Lower	Upper
120	100		
91	462.4	361.6	542.4

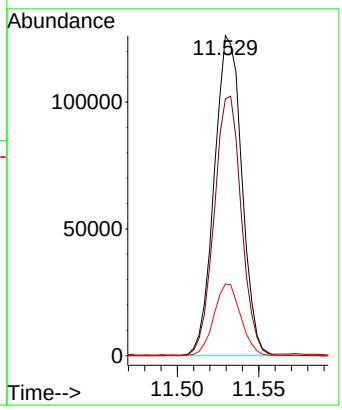




#65
tert-Butylbenzene
Concen: 2.192 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:119 Resp: 14830

Ion	Ratio	Lower	Upper
119	100		
91	80.2	63.4	95.0
134	22.0	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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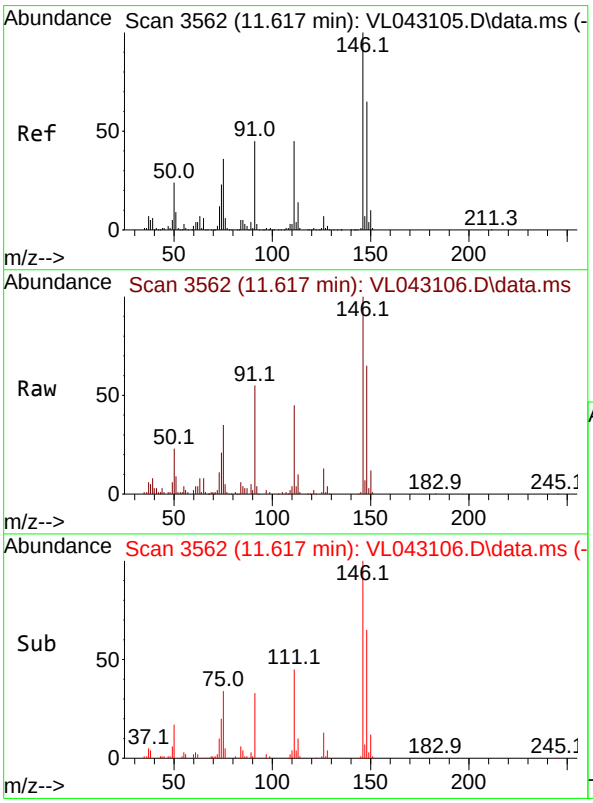
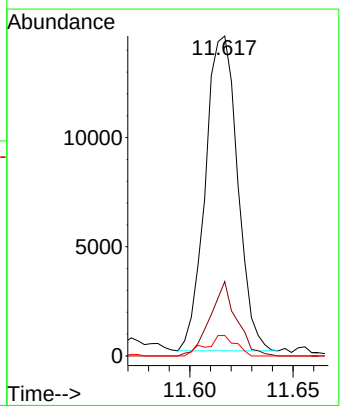
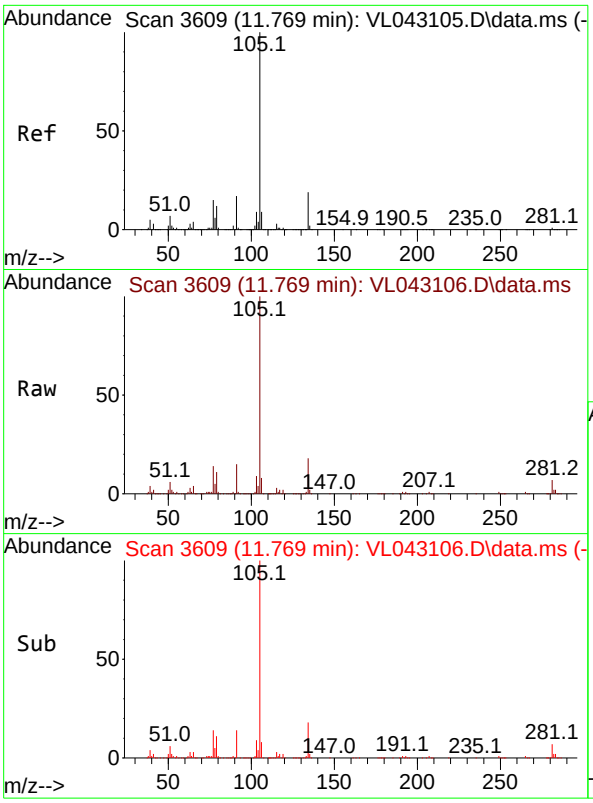


#66
Benzyl Chloride
Concen: 2.072 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 15656

Ion	Ratio	Lower	Upper
91	100		
126	19.2	14.6	22.0
128	5.9	4.6	6.8

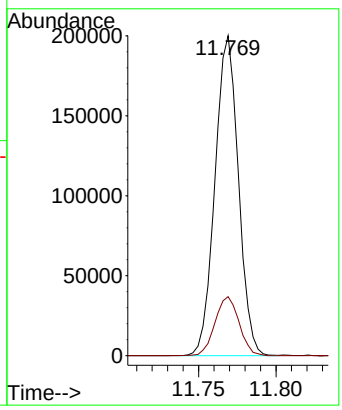




#67
sec-Butylbenzene
Concen: 2.193 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:105 Resp: 21052

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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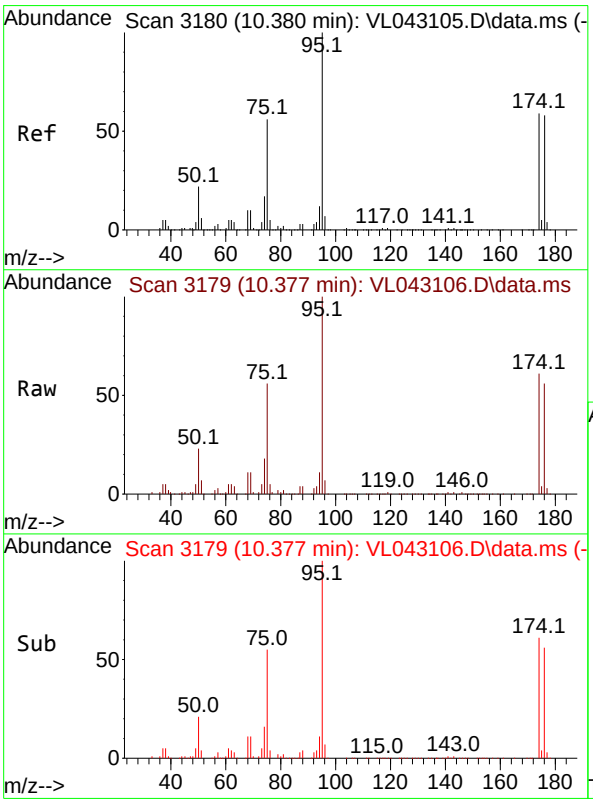
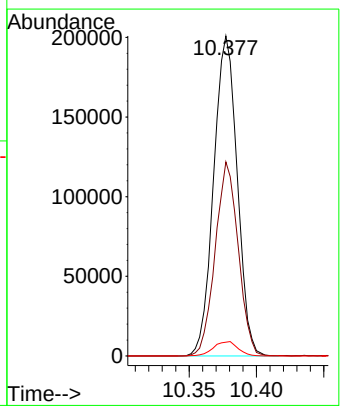
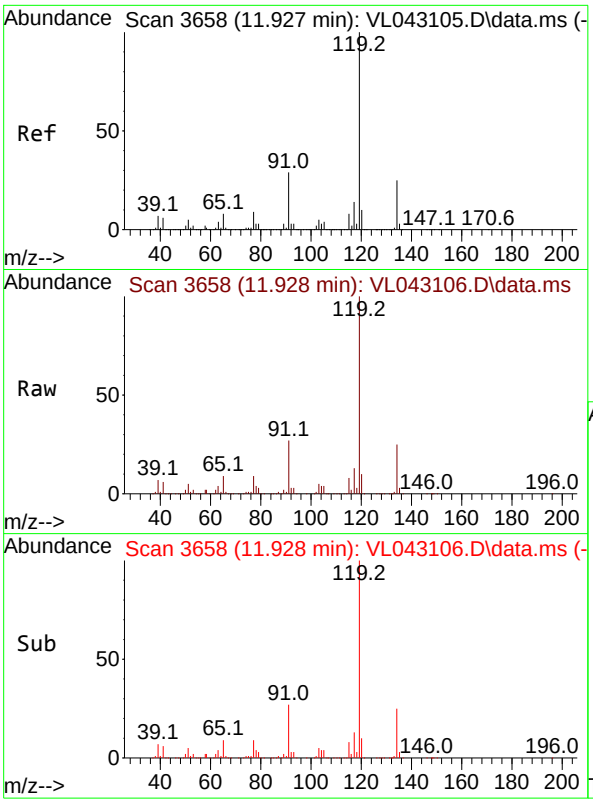


#68
1-Bromo-4-Fluorobenzene
Concen: 10.024 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 95 Resp: 244329

Ion	Ratio	Lower	Upper
95	100		
174	59.2	48.3	72.5
175	4.7	3.8	5.8

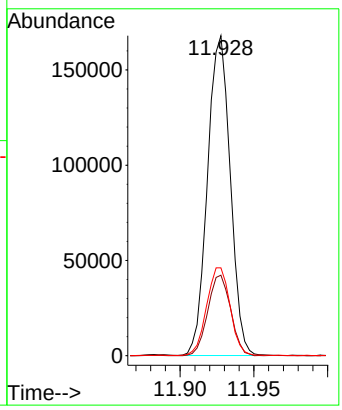




#69
p-Isopropyltoluene
Concen: 2.207 ppbv
RT: 11.928 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:119 Resp: 18006

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	29.0	22.6	33.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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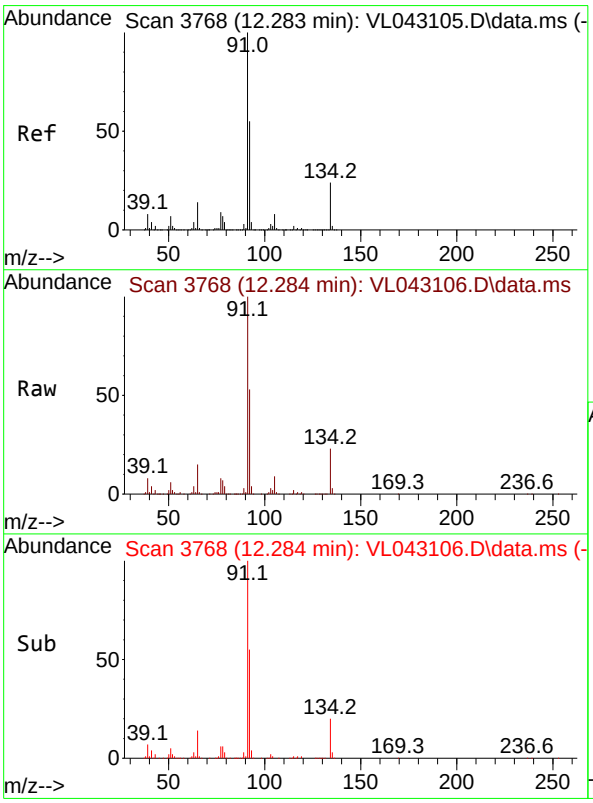
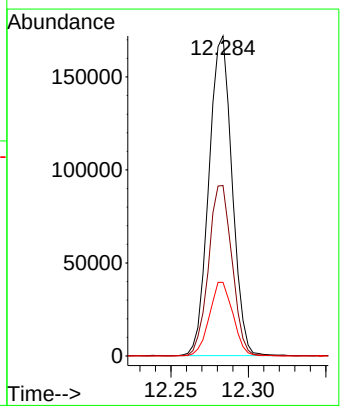
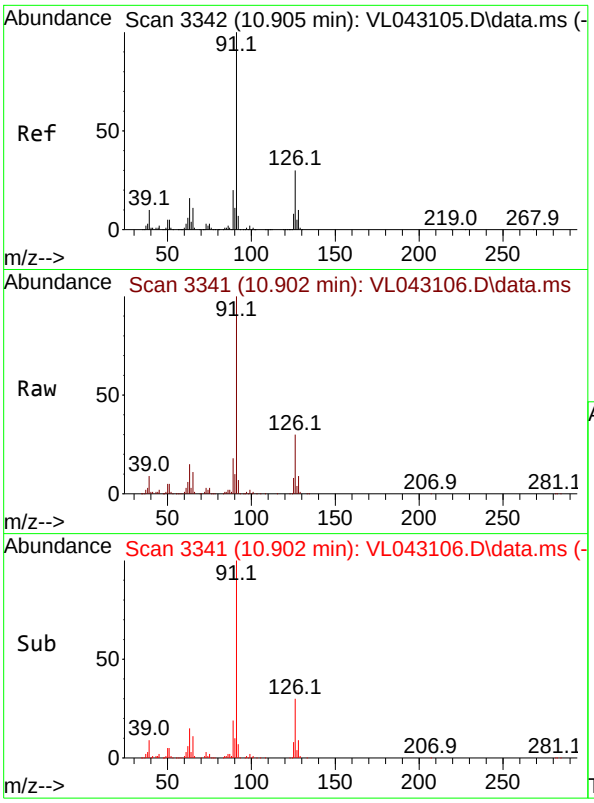


#70
n-Butylbenzene
Concen: 2.222 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 178676

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.5	66.7
134	23.4	19.3	28.9

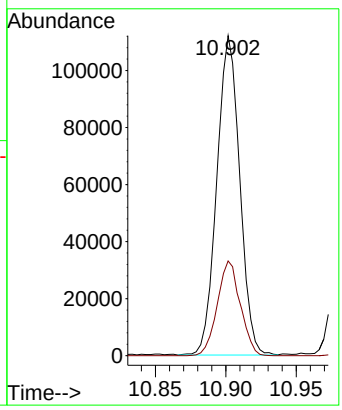




#71
2-Chlorotoluene
Concen: 2.166 ppbv
RT: 10.902 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 12655

Ion	Ratio	Lower	Upper
91	100		
126	29.7	12.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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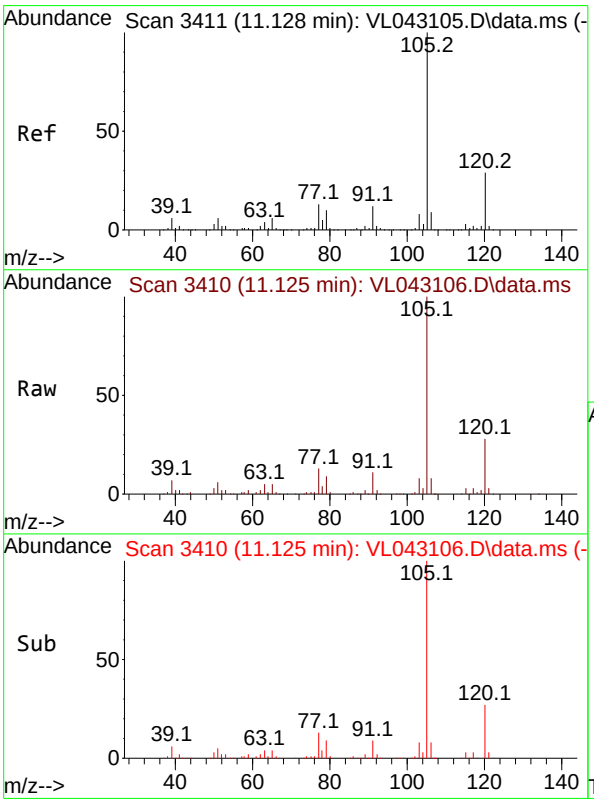
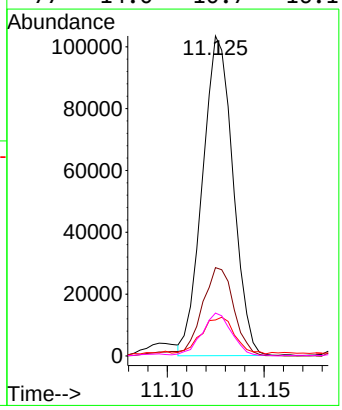
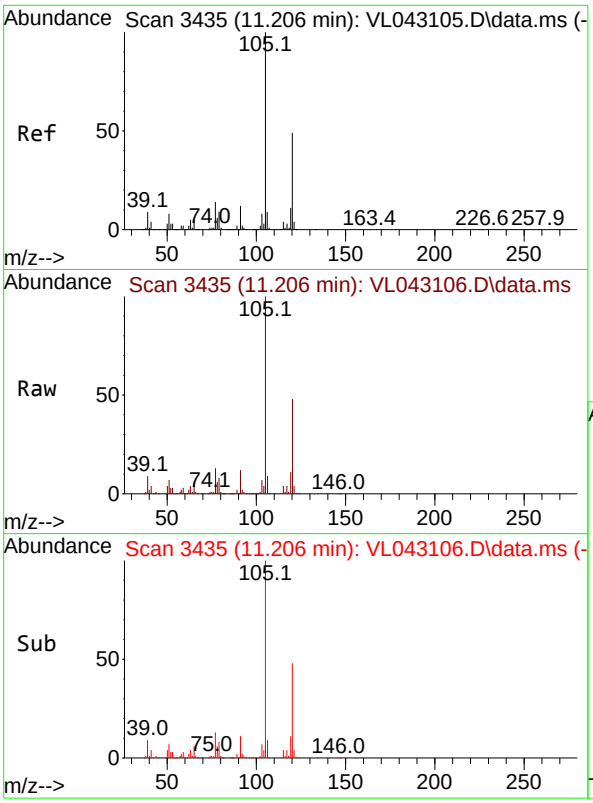


#72
4-Ethyltoluene
Concen: 2.172 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:105 Resp: 113233

Ion	Ratio	Lower	Upper
105	100		
120	29.8	24.2	36.4
91	14.8	10.0	15.0
77	14.0	10.7	16.1





#73
1,3,5-Trimethylbenzene
Concen: 2.155 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:105 Resp: 9265

Ion	Ratio	Lower	Upper
105	100		
120	47.9	39.0	58.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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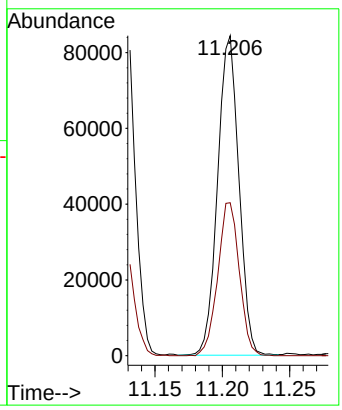
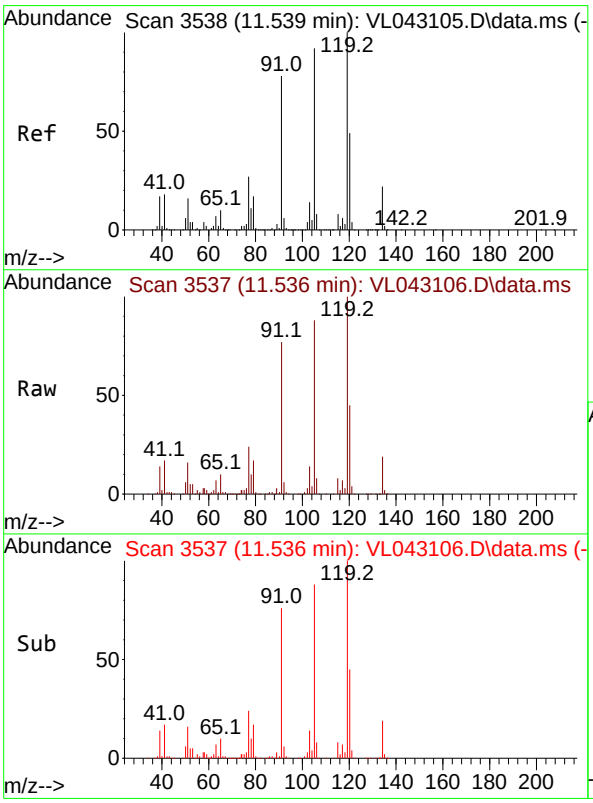
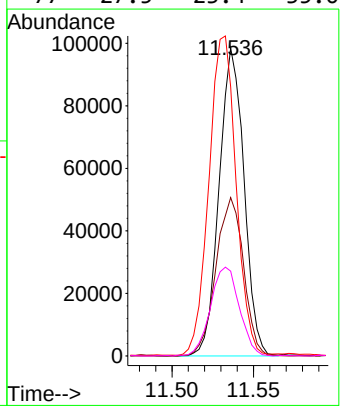


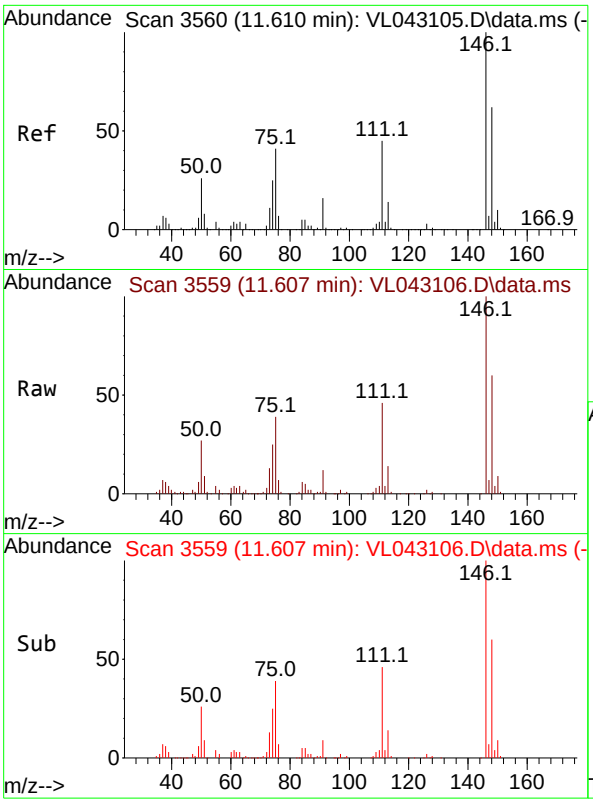


#74
1,2,4-Trimethylbenzene
Concen: 2.169 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:105 Resp: 104352

Ion	Ratio	Lower	Upper
105	100		
120	51.4	42.8	64.2
91	87.0	68.3	102.5
77	27.5	23.4	35.0

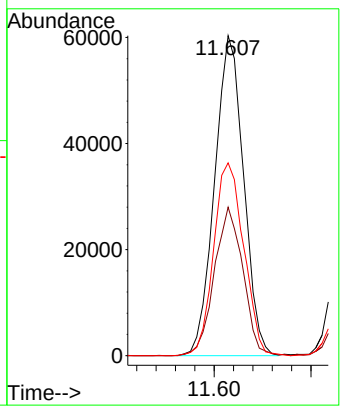




#75
1,3-Dichlorobenzene
Concen: 2.247 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:146 Resp: 6270

Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.3	69.9
148	62.6	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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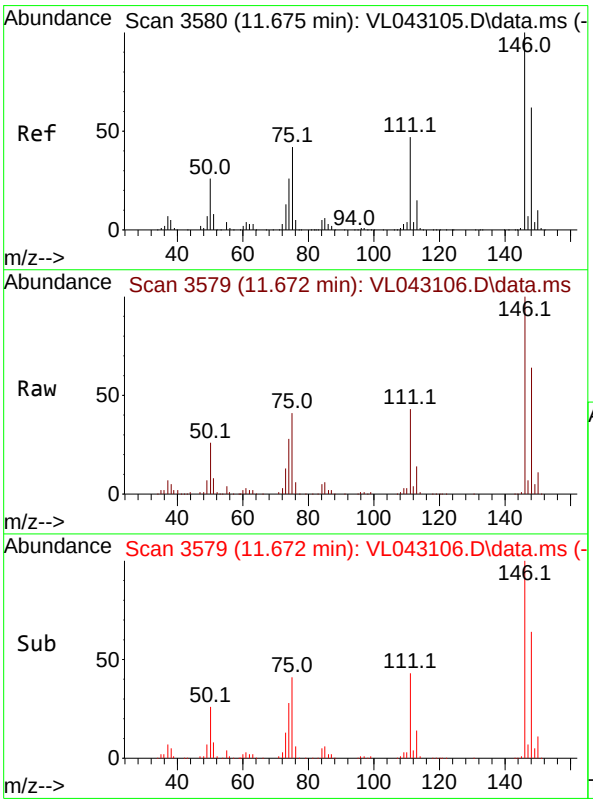
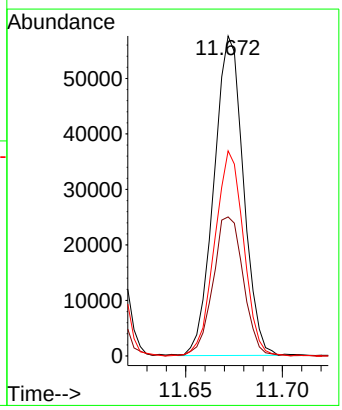
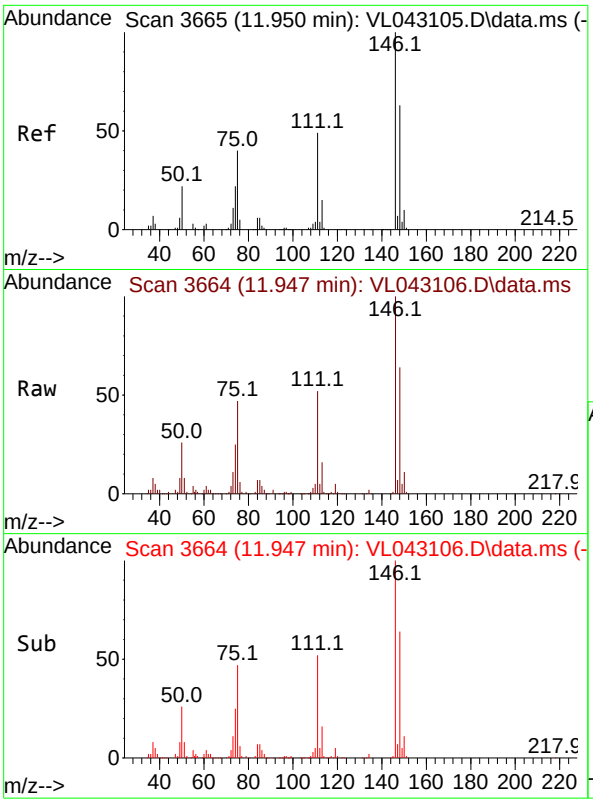


#76
1,4-Dichlorobenzene
Concen: 2.164 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:146 Resp: 60877

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.0
148	63.3	31.6	94.7

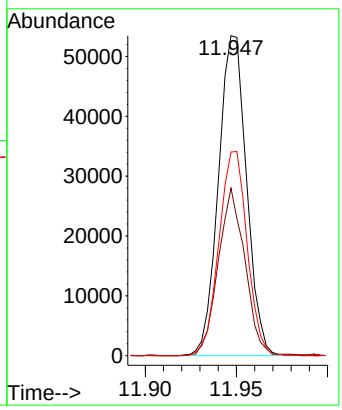




#77
1,2-Dichlorobenzene
Concen: 2.123 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:146 Resp: 5730

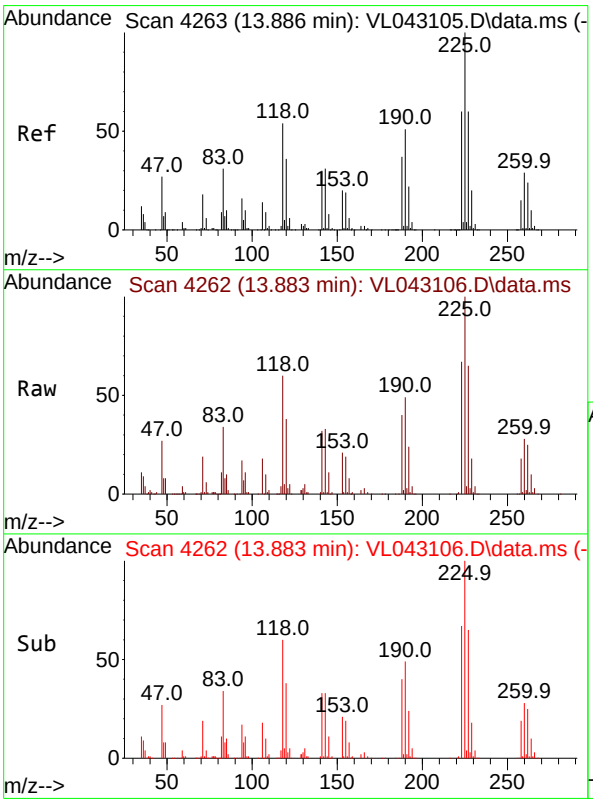
Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.0	72.0
148	64.3	31.1	93.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

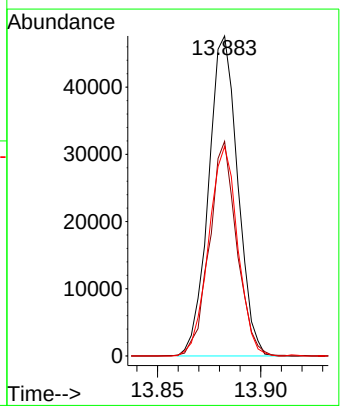
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

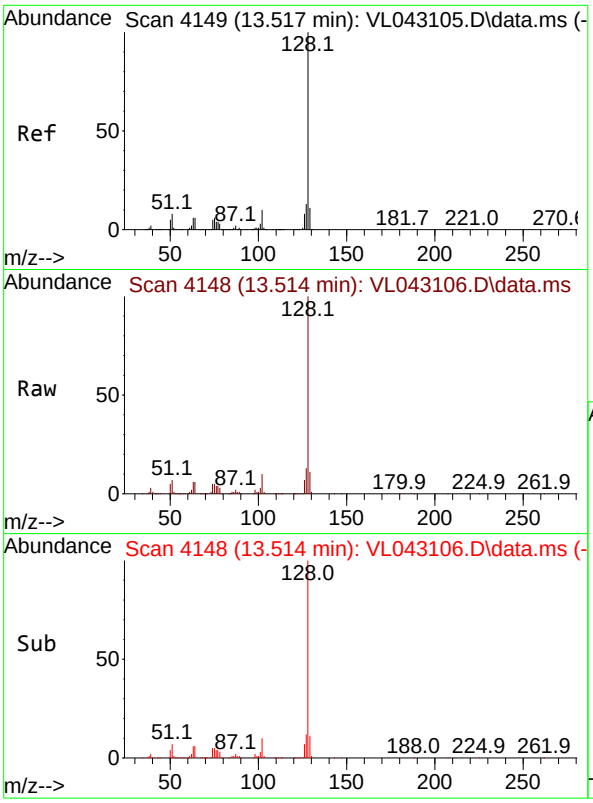


#78
Hexachloro-1,3-Butadiene
Concen: 2.239 ppbv
RT: 13.883 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:225 Resp: 46796

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.4
227	65.2	49.6	74.4

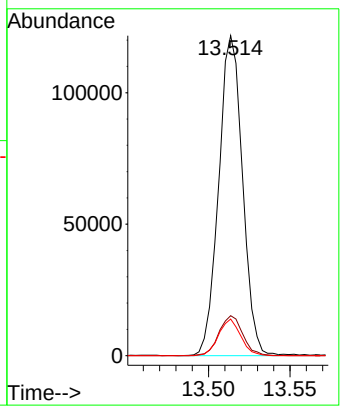




#79
Naphthalene
Concen: 2.488 ppbv
RT: 13.514 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:128 Resp: 12364

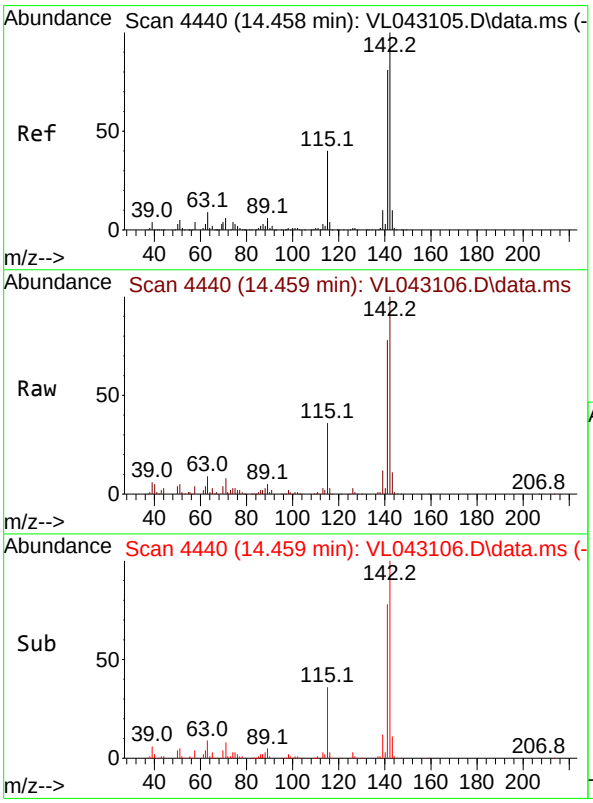
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	11.4	9.1	13.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

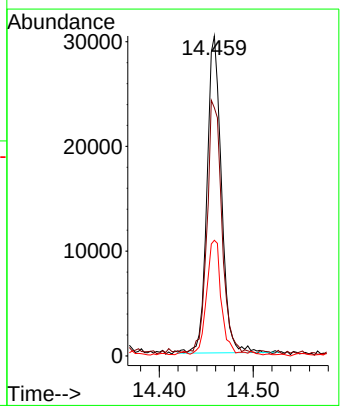
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

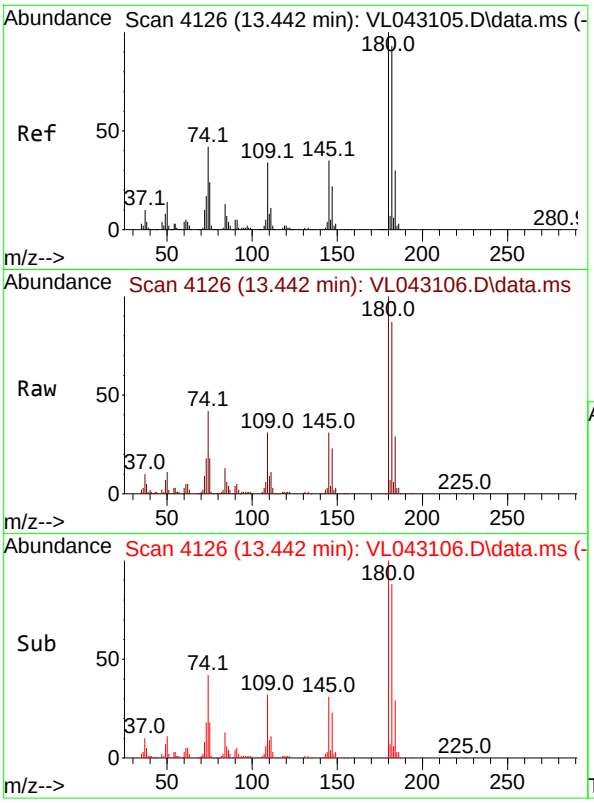


#80
Naphthalene,2-methyl-
Concen: 2.462 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:142 Resp: 32308

Ion	Ratio	Lower	Upper
142	100		
141	82.6	64.6	97.0
115	39.7	30.2	45.4

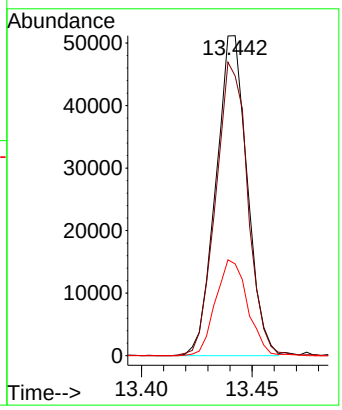




#81
1,2,4-Trichlorobenzene
Concen: 2.414 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:180 Resp: 5039

Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.5	113.3
184	30.6	23.9	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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

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

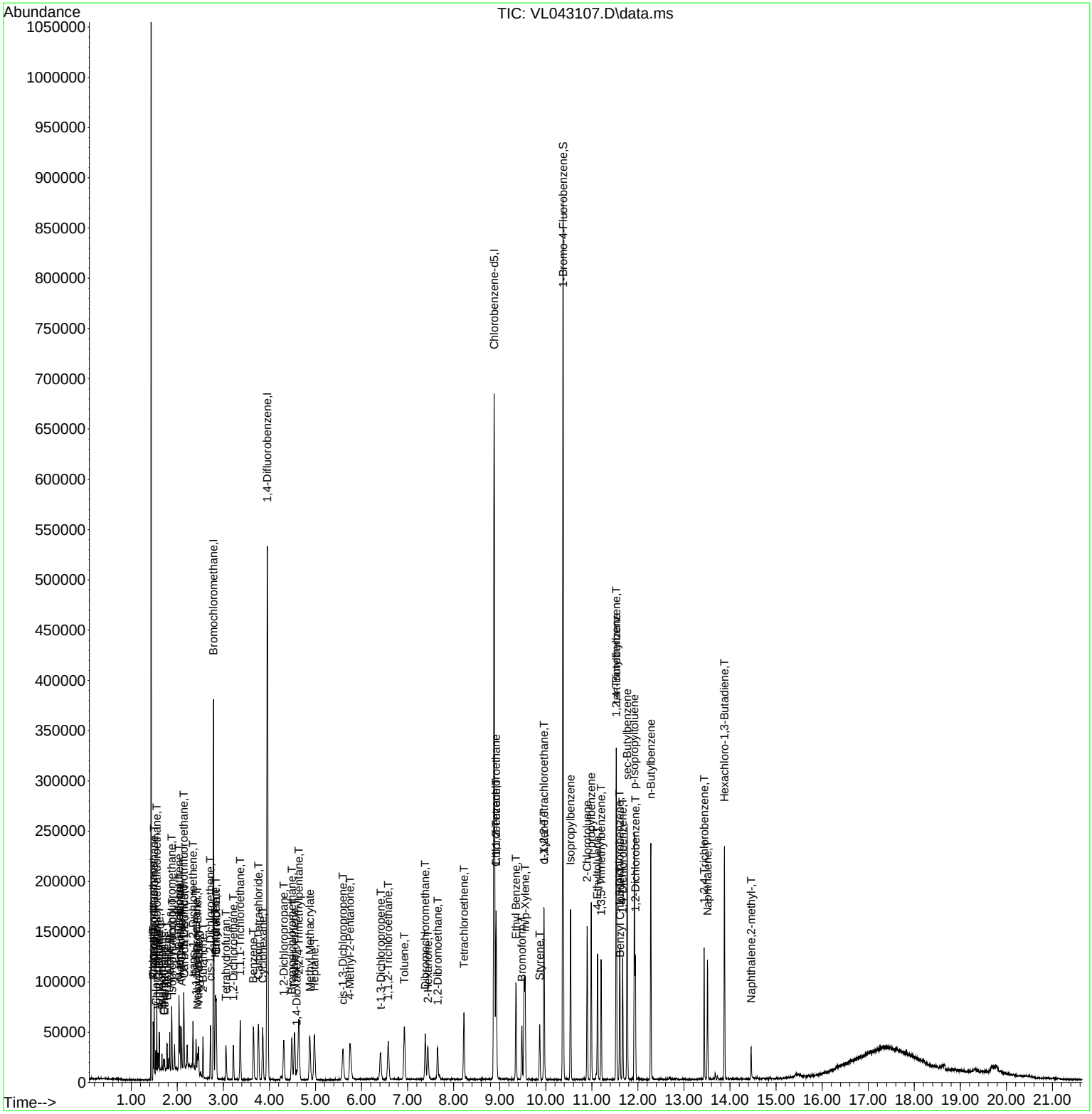
(#) = qualifier out of range (m) = manual integration (+) = signals summed

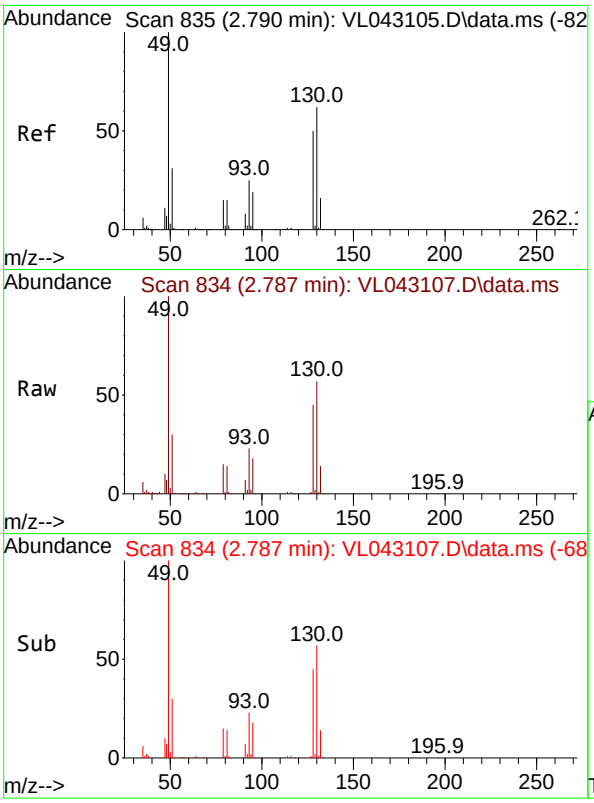
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043107.D
Acq On : 14 Oct 2025 12:01
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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

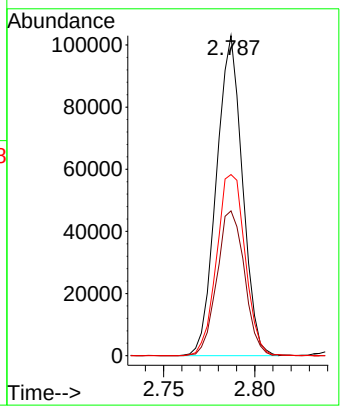




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 49 Resp: 10230

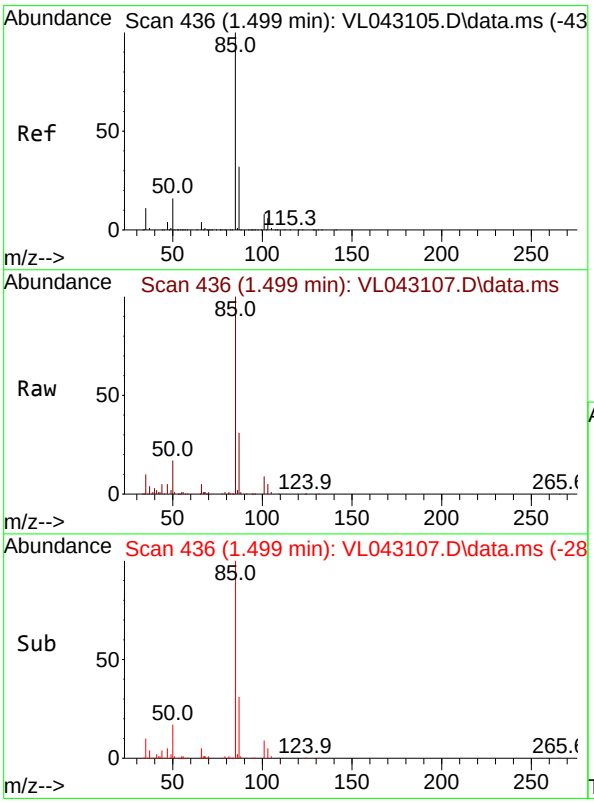
Ion	Ratio	Lower	Upper
49	100		
128	48.0	24.4	73.4
130	62.0	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

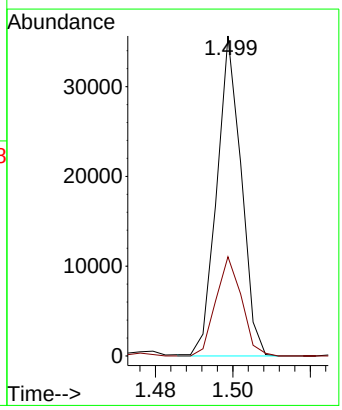
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

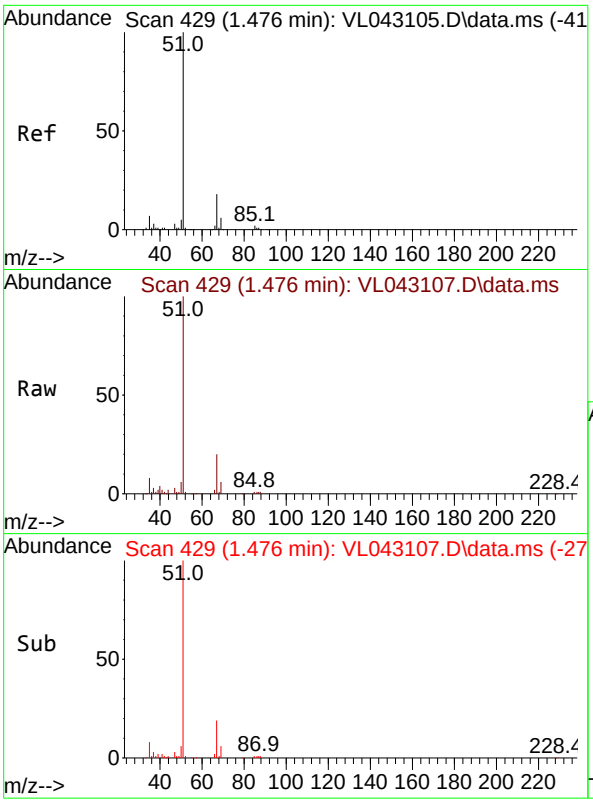


#2
Dichlorodifluoromethane
Concen: 1.074 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 85 Resp: 15620

Ion	Ratio	Lower	Upper
85	100		
87	31.0	25.3	37.9





#3
Chlorodifluoromethane
Concen: 1.061 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

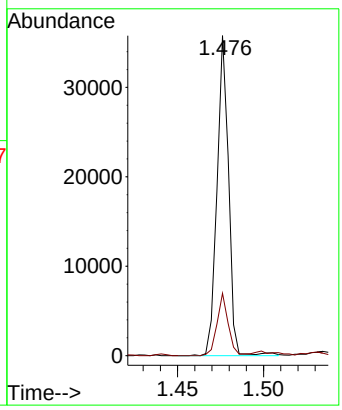
Tgt Ion: 51 Resp: 1669

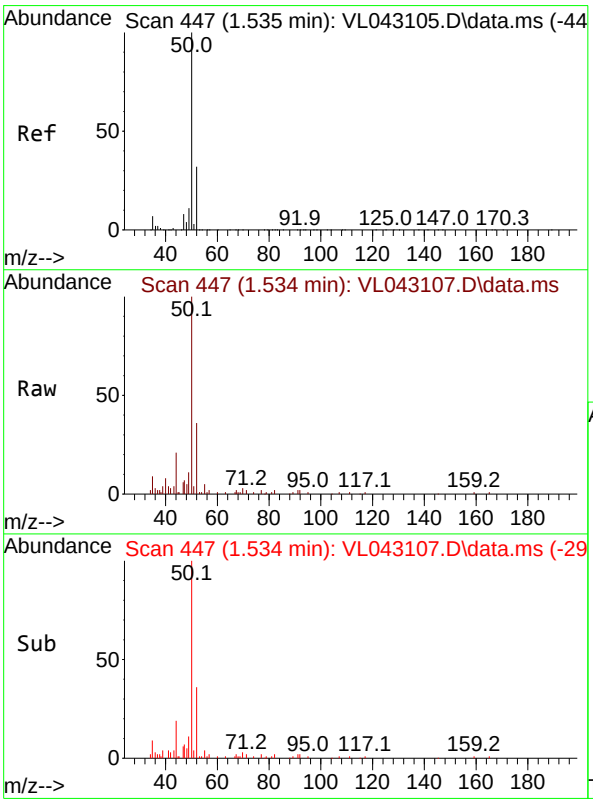
Ion	Ratio	Lower	Upper
51	100		
67	22.8	15.1	22.7#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

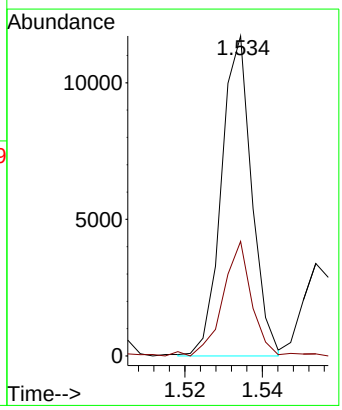


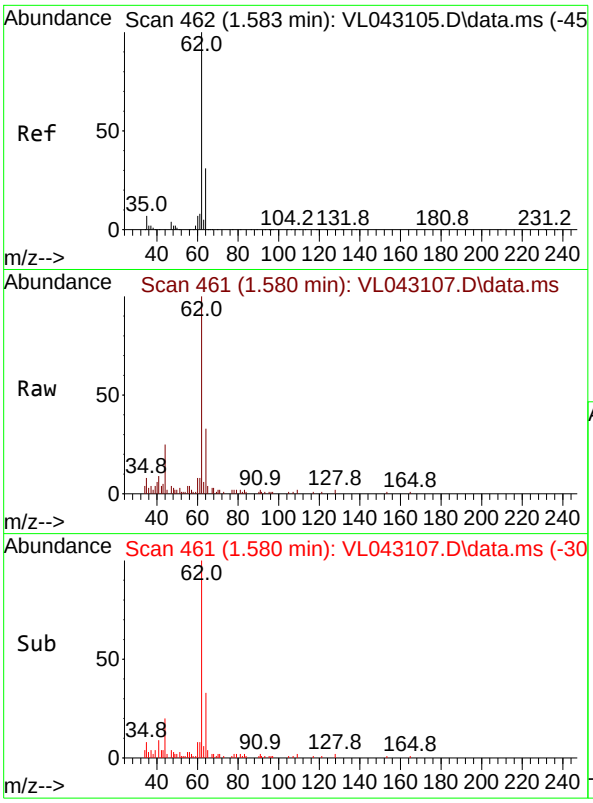


#4
Chloromethane
Concen: 1.103 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 50 Resp: 6353

Ion	Ratio	Lower	Upper
50	100		
52	35.6	25.2	37.8

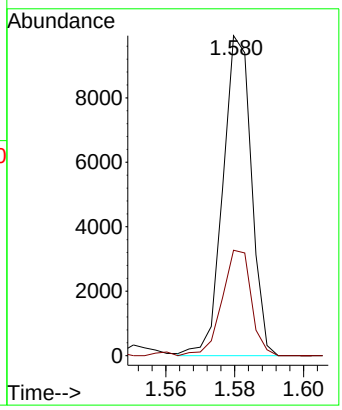




#5
Vinyl Chloride
Concen: 1.008 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 62 Resp: 569

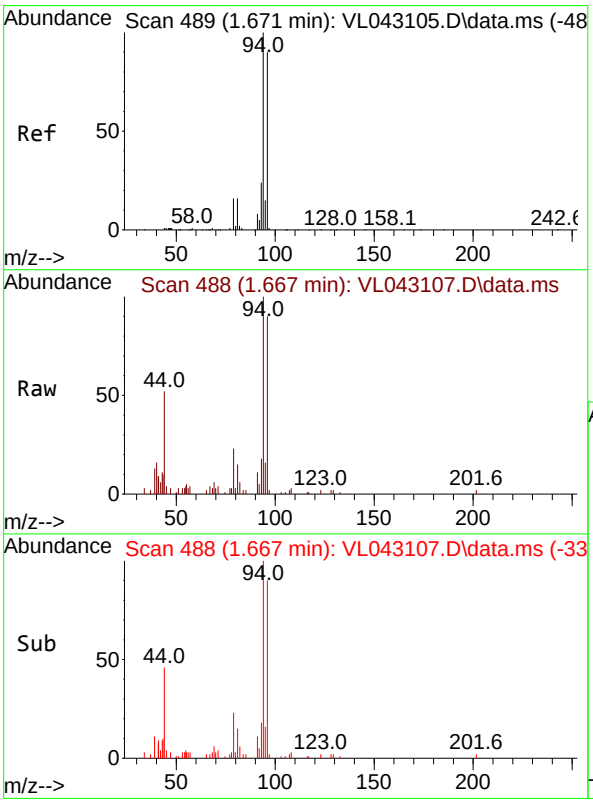
Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

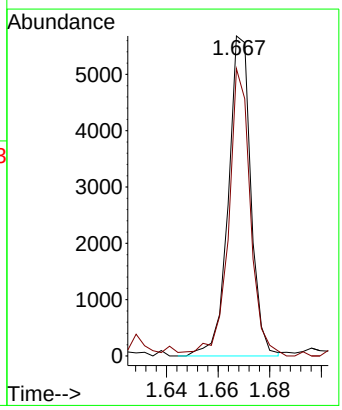
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

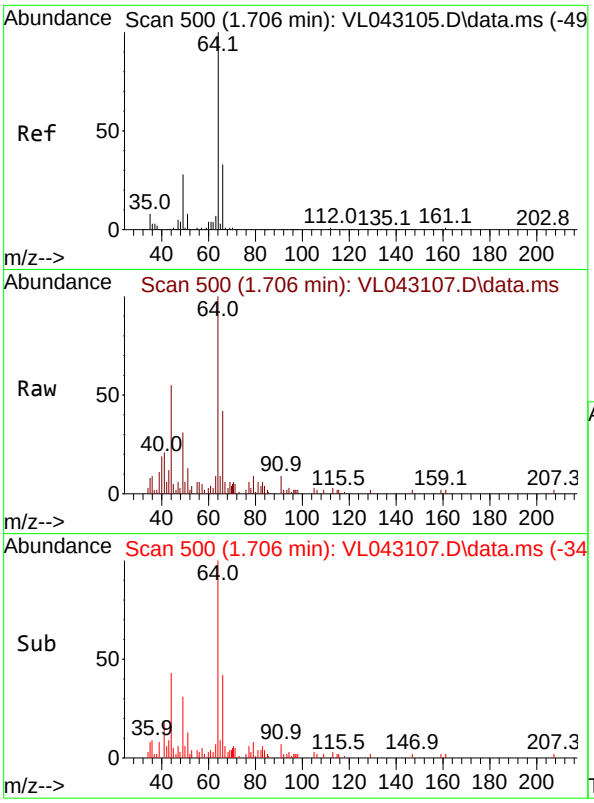


#6
Bromomethane
Concen: 1.117 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 94 Resp: 3462

Ion	Ratio	Lower	Upper
94	100		
96	88.6	72.2	108.4

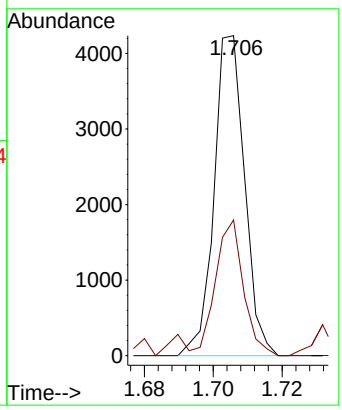




#7
Chloroethane
Concen: 1.132 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 64 Resp: 261

Ion	Ratio	Lower	Upper
64	100		
66	42.4	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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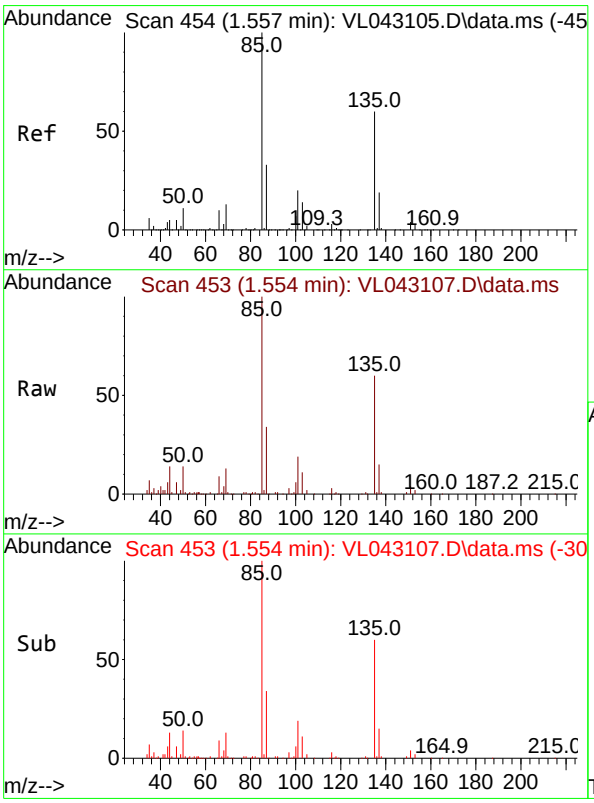
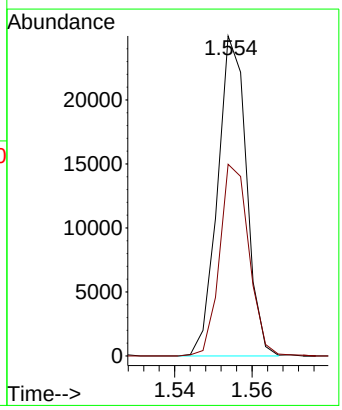
Supervised By :Mahesh Dadoda 10/16/2025

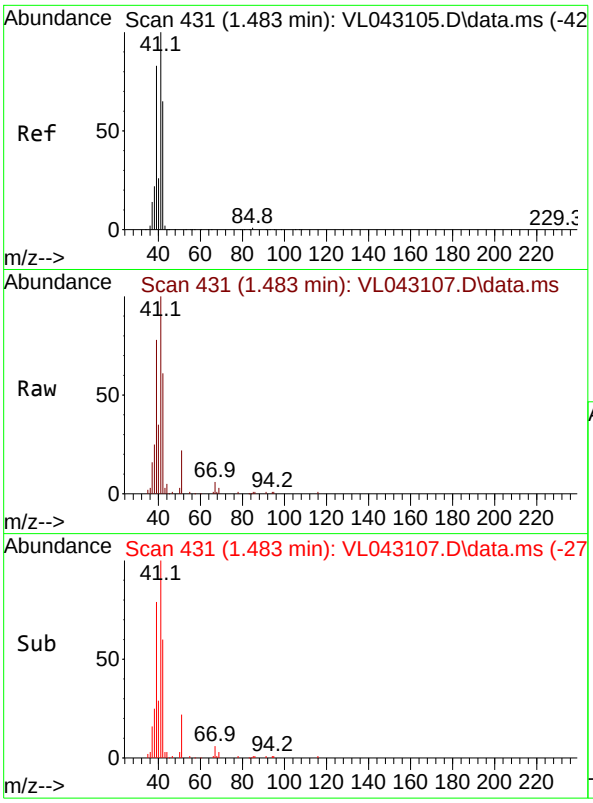


#8
Dichlorotetrafluoroethane
Concen: 1.101 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 85 Resp: 12940

Ion	Ratio	Lower	Upper
85	100		
135	61.5	48.2	72.4





#9
Propene
Concen: 1.045 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 41 Resp: 729

Ion	Ratio	Lower	Upper
41	100		
42	68.5	55.1	82.7

Instrument :
MSVOA_L
ClientSampleId :
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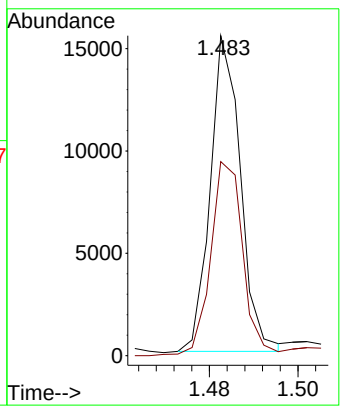
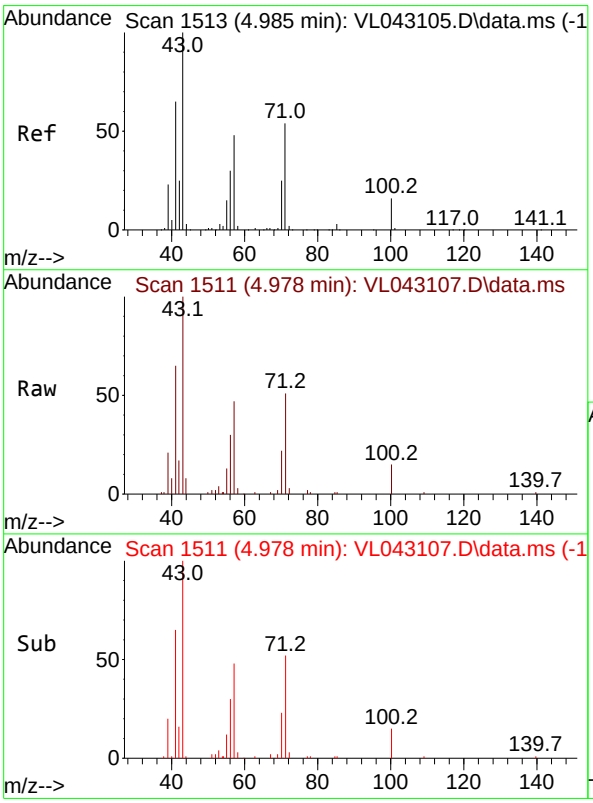
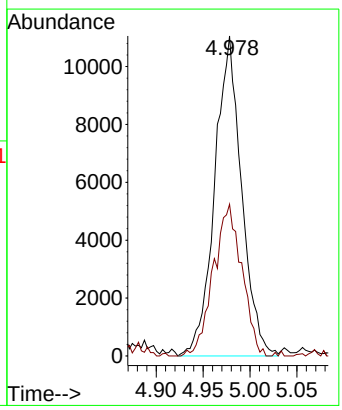


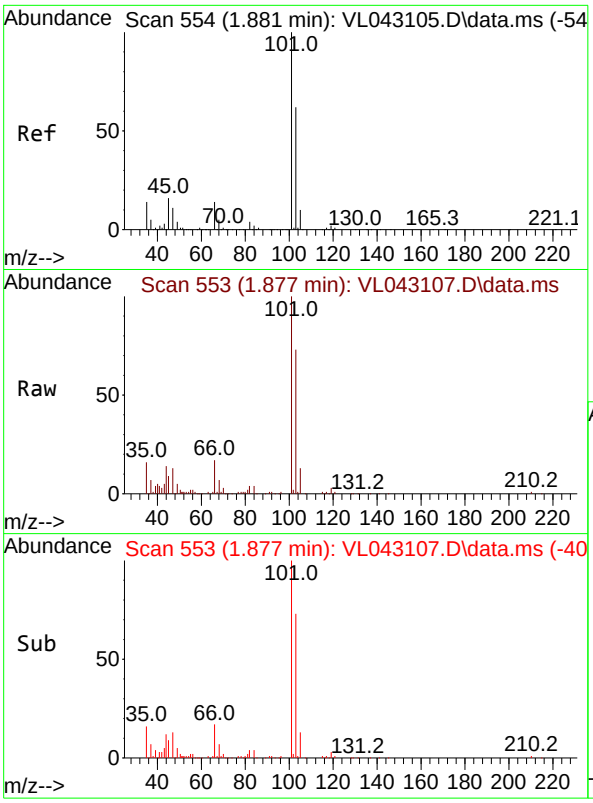


#10
Heptane
Concen: 1.100 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 22011

Ion	Ratio	Lower	Upper
43	100		
57	50.4	40.8	61.2

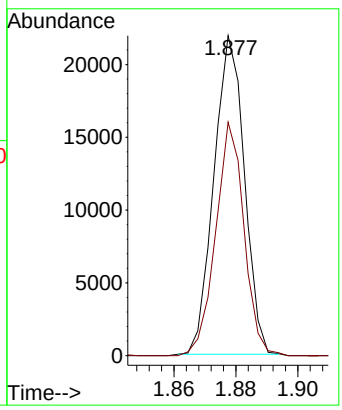




#11
Trichlorofluoromethane
Concen: 1.049 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:101 Resp: 1492

Ion	Ratio	Lower	Upper
101	100		
103	73.3	49.3	73.9



Instrument :
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ClientSampleId :
VSTDICC001

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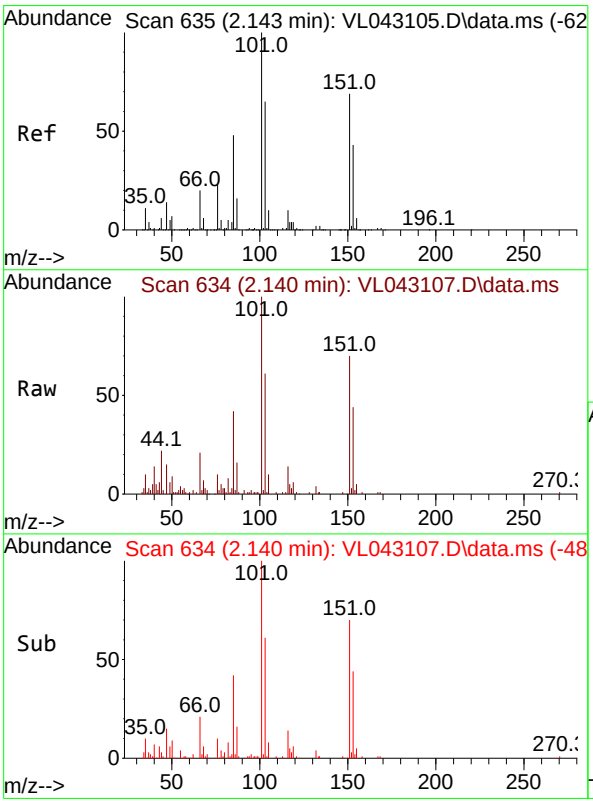
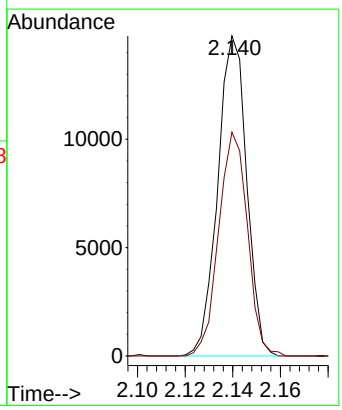
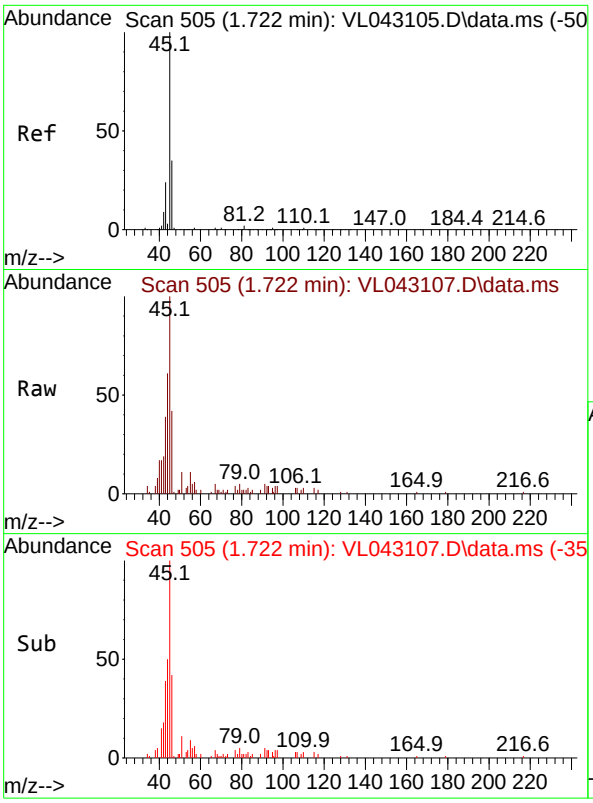


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.090 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:101 Resp: 12484

Ion	Ratio	Lower	Upper
101	100		
151	69.5	54.7	82.1

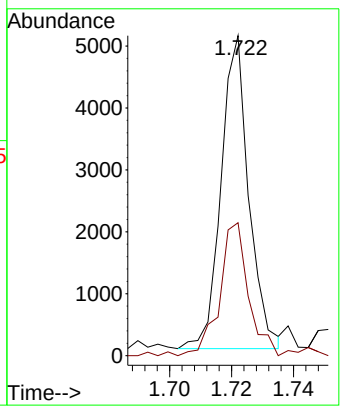




#13
Ethanol
Concen: 1.217 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 45 Resp: 314

Ion	Ratio	Lower	Upper
45	100		
46	46.7	14.7	58.9



Instrument :
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ClientSampleId :
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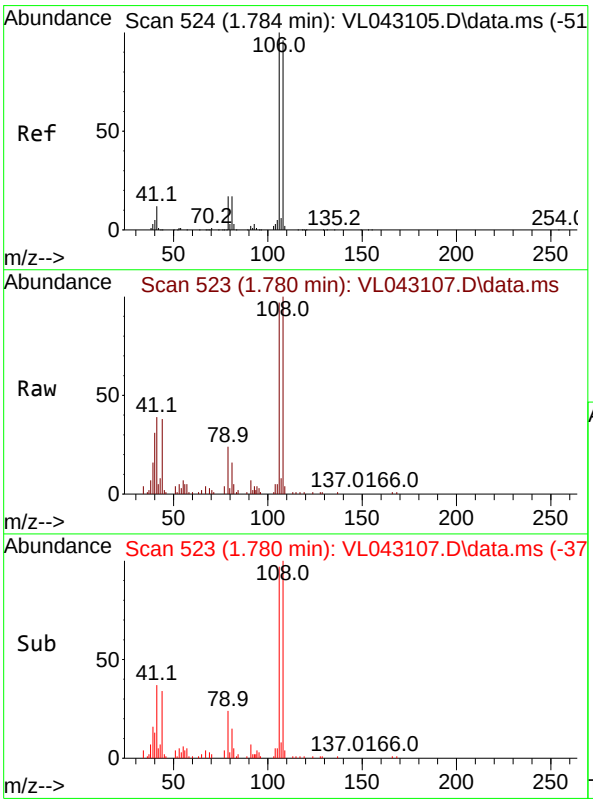
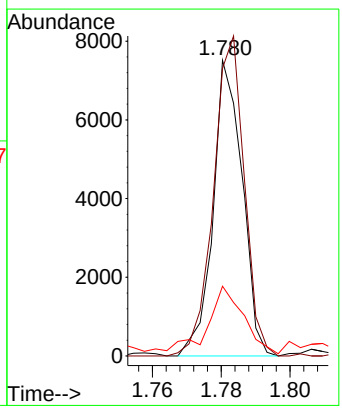
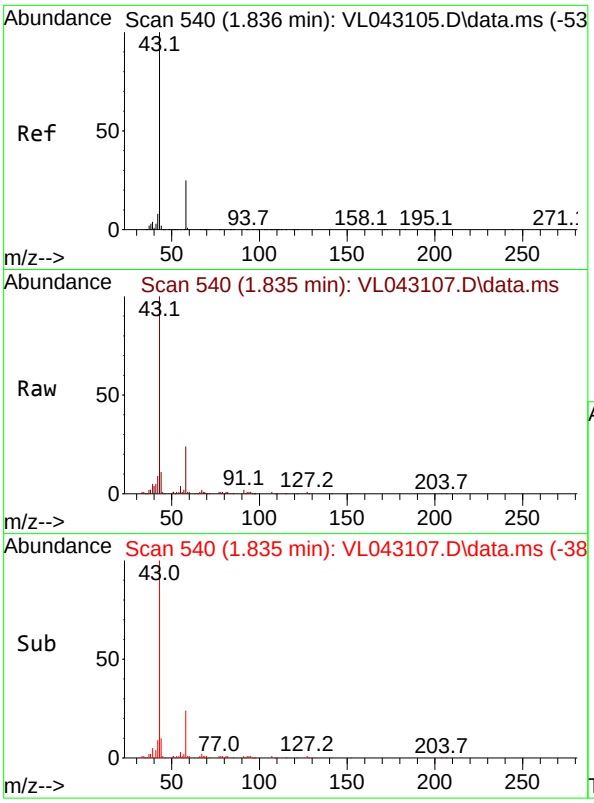


#14
Bromoethene
Concen: 1.043 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:108 Resp: 4440

Ion	Ratio	Lower	Upper
108	100		
106	113.7	84.4	126.6
79	28.9	15.3	22.9#

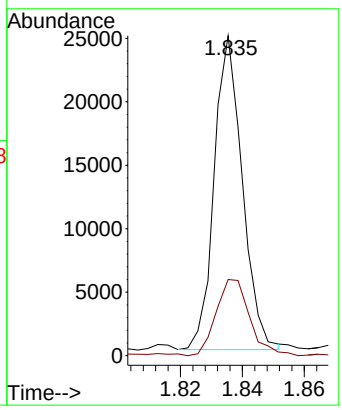




#15
Acetone
Concen: 1.123 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 1557

Ion	Ratio	Lower	Upper
43	100		
58	31.0	20.8	31.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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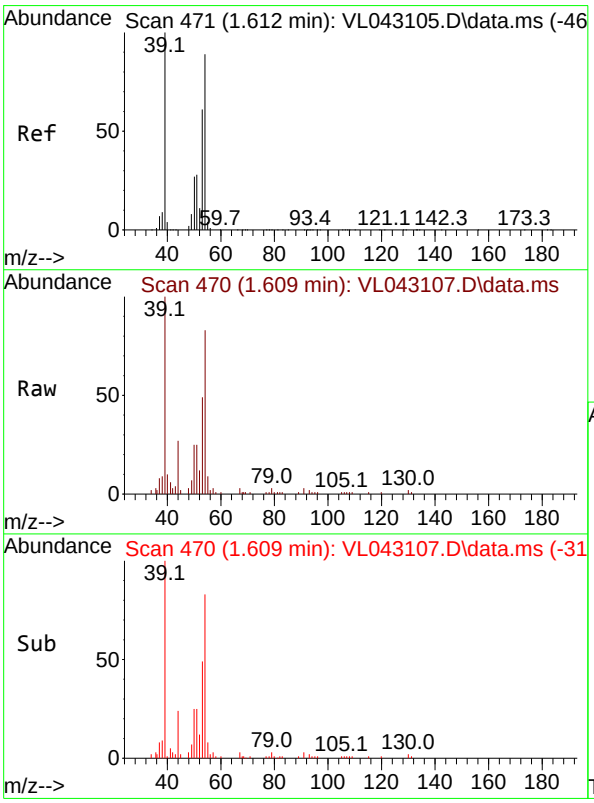
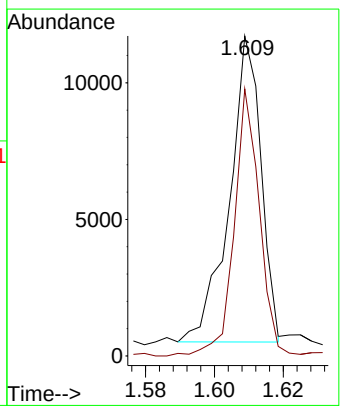
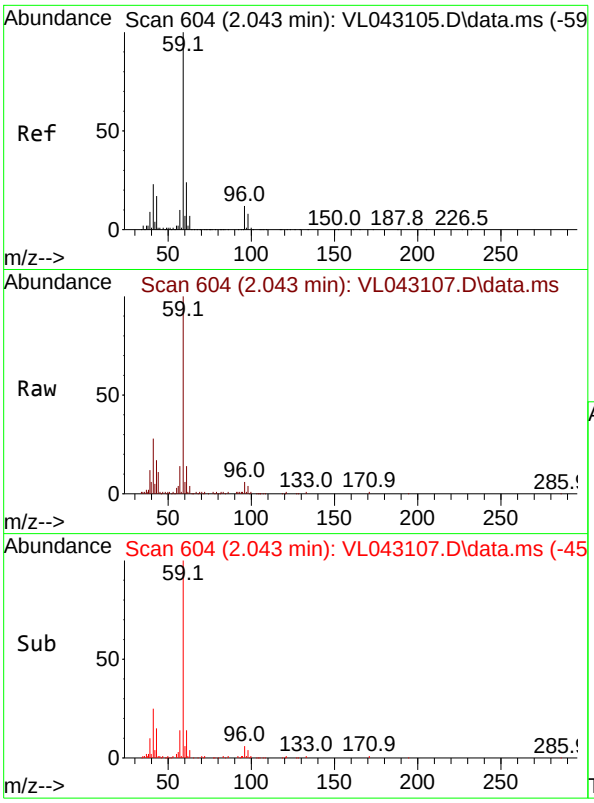


#16
1,3-Butadiene
Concen: 1.089 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 39 Resp: 7157

Ion	Ratio	Lower	Upper
39	100		
54	70.8	59.0	88.4

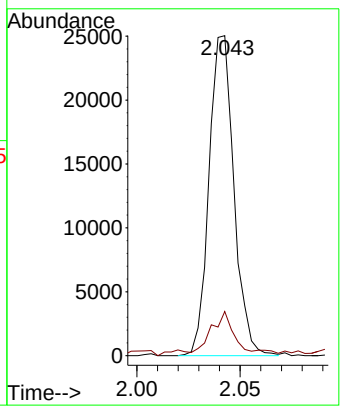




#17
tert-Butyl alcohol
Concen: 1.106 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 59 Resp: 2094

Ion	Ratio	Lower	Upper
59	100		
57	14.0	8.2	12.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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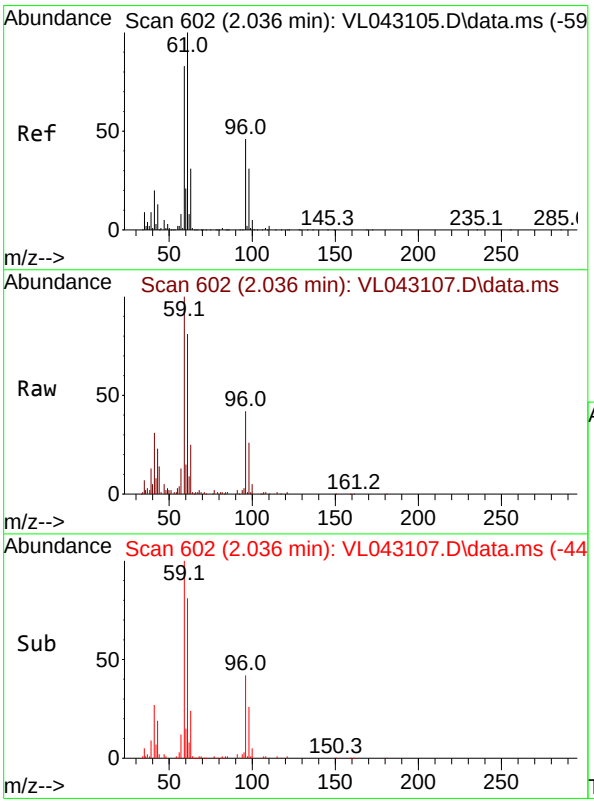
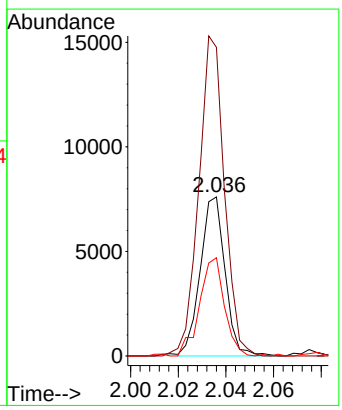
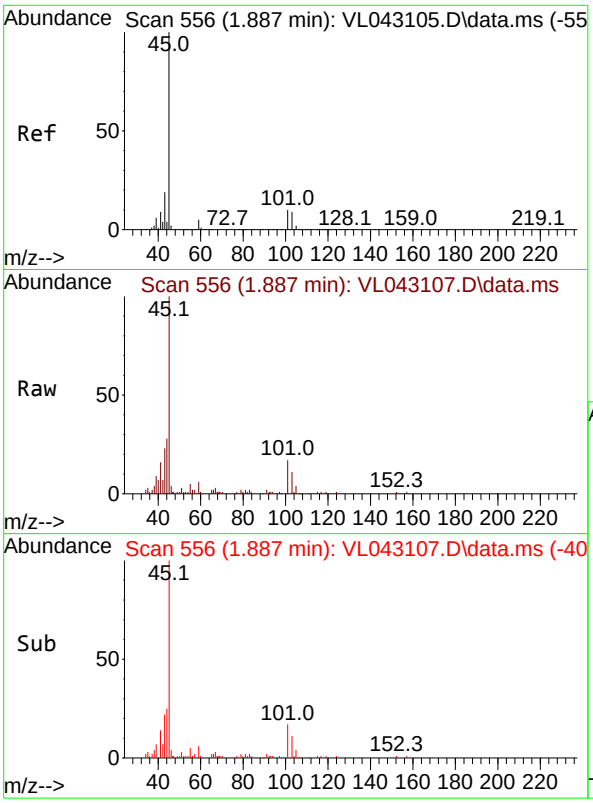


#18
1,1-Dichloroethene
Concen: 1.103 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 96 Resp: 5510

Ion	Ratio	Lower	Upper
96	100		
61	194.0	173.4	260.0
98	61.7	53.2	79.8

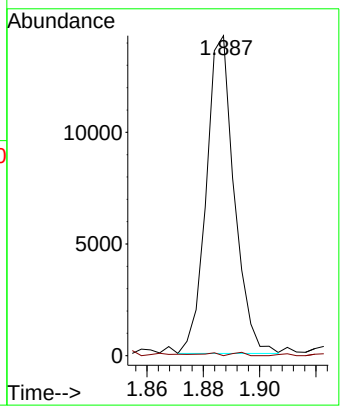




#19
Isopropyl Alcohol
Concen: 1.141 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 45 Resp: 979

Ion	Ratio	Lower	Upper
45	100		
58	48.1	31.3	46.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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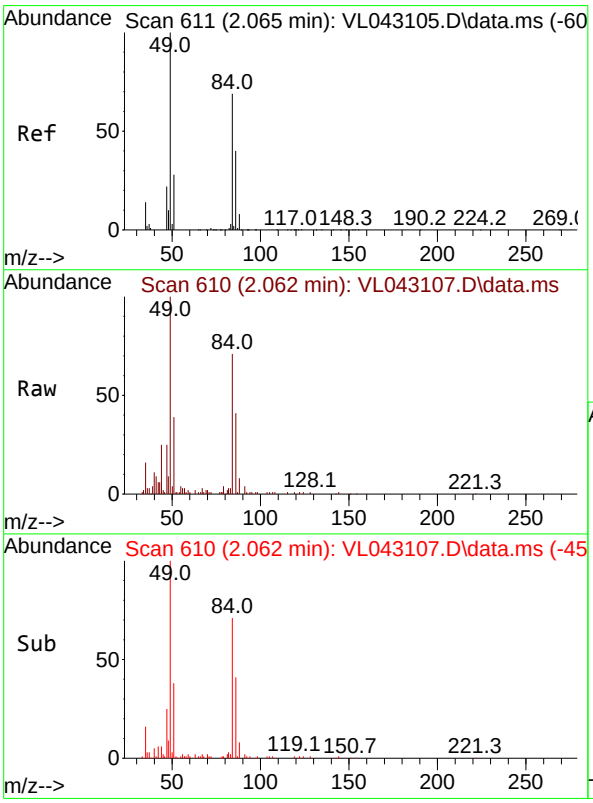
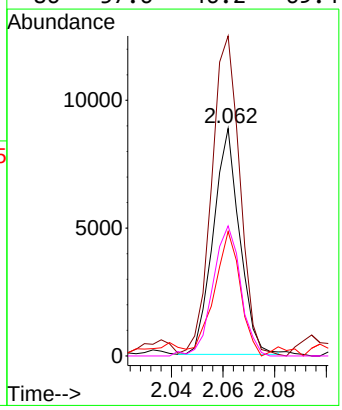
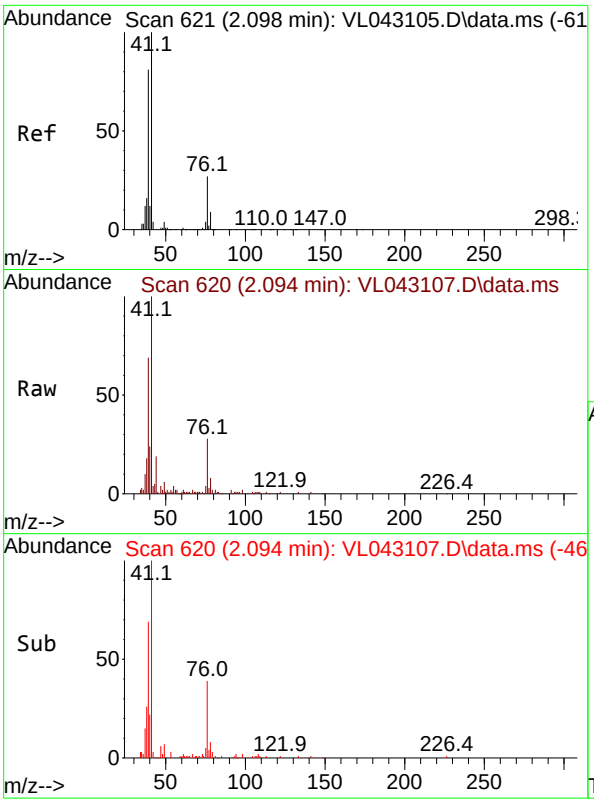


#20
Methylene Chloride
Concen: 1.149 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 84 Resp: 6261

Ion	Ratio	Lower	Upper
84	100		
49	140.9	116.6	175.0
51	51.2	34.8	52.2
86	57.6	46.2	69.4





#21
Allyl Chloride
Concen: 1.055 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 41 Resp: 1073

Ion	Ratio	Lower	Upper
41	100		
76	32.6	21.5	32.3#
39	94.1	60.8	91.2#

Instrument :
MSVOA_L
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VSTDICC001

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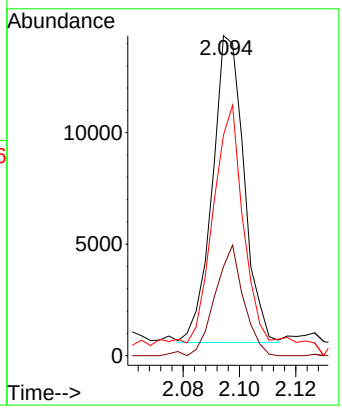
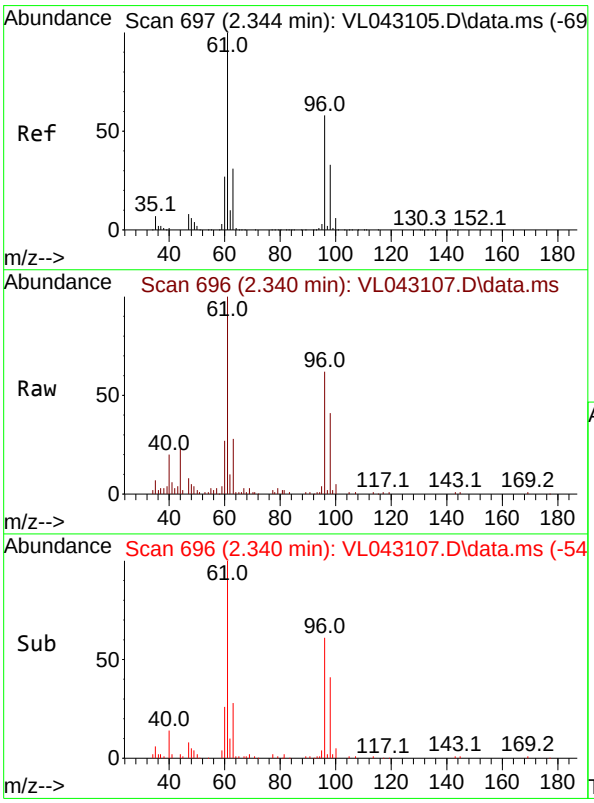
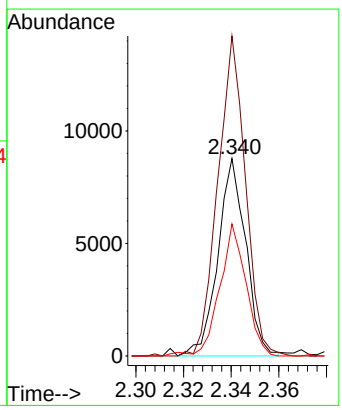


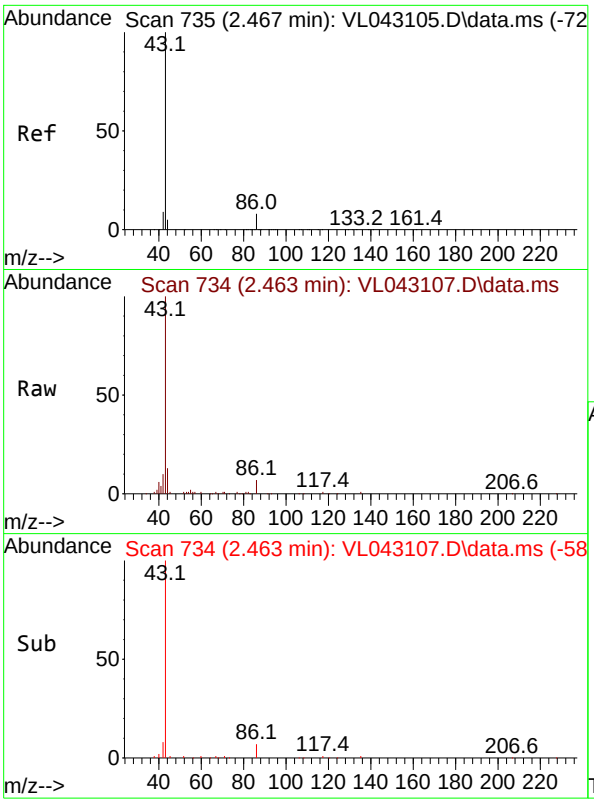


#22
trans-1,2-Dichloroethene
Concen: 1.193 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 96 Resp: 7119

Ion	Ratio	Lower	Upper
96	100		
61	162.1	137.0	205.6
98	66.9	45.5	68.3

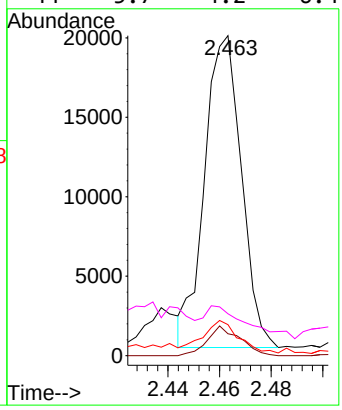




#23
Vinyl Acetate
Concen: 0.964 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 1947

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.2
42	9.1	7.6	11.4
44	5.7	4.2	6.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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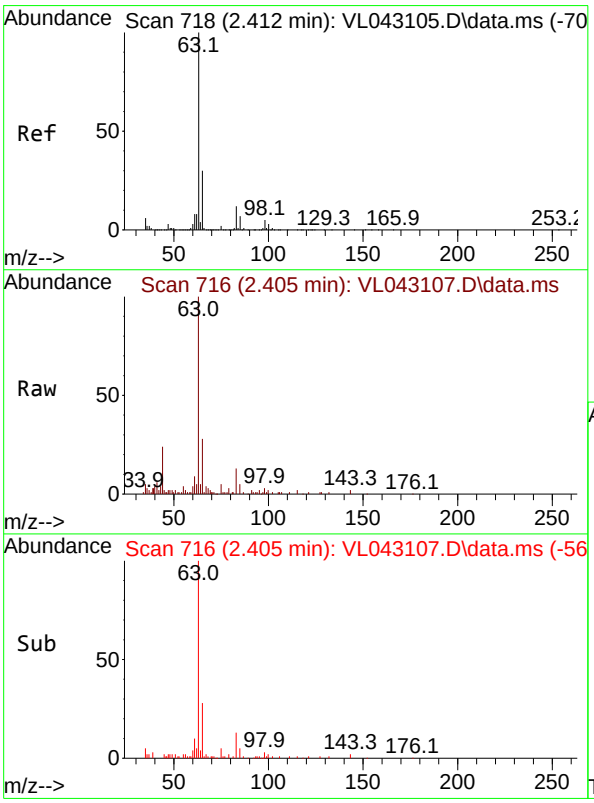
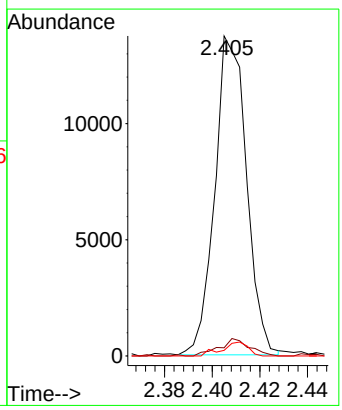
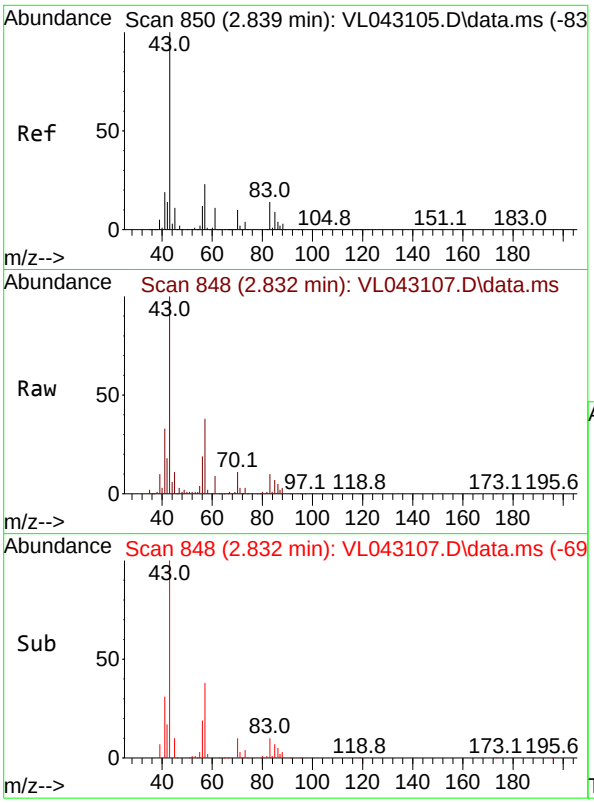


#24
1,1-Dichloroethane
Concen: 1.097 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 63 Resp: 12656

Ion	Ratio	Lower	Upper
63	100		
98	2.6	2.6	7.8#
100	1.7	1.5	4.4

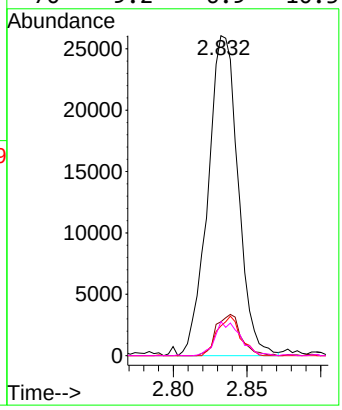




#25
Ethyl Acetate
Concen: 1.085 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 3709

Ion	Ratio	Lower	Upper
43	100		
45	10.8	7.8	11.8
61	9.4	7.0	10.6
70	9.2	6.9	10.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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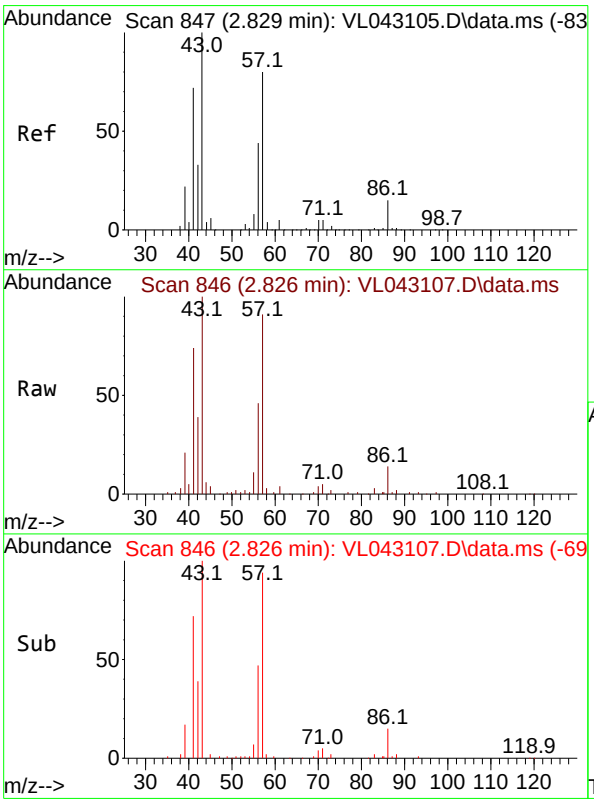
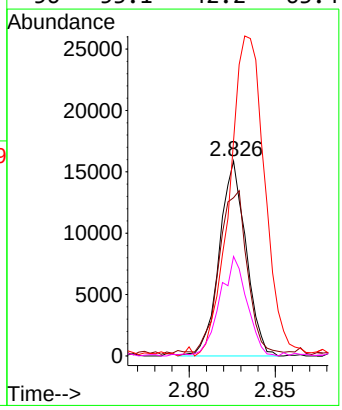
Supervised By :Mahesh Dadoda 10/16/2025

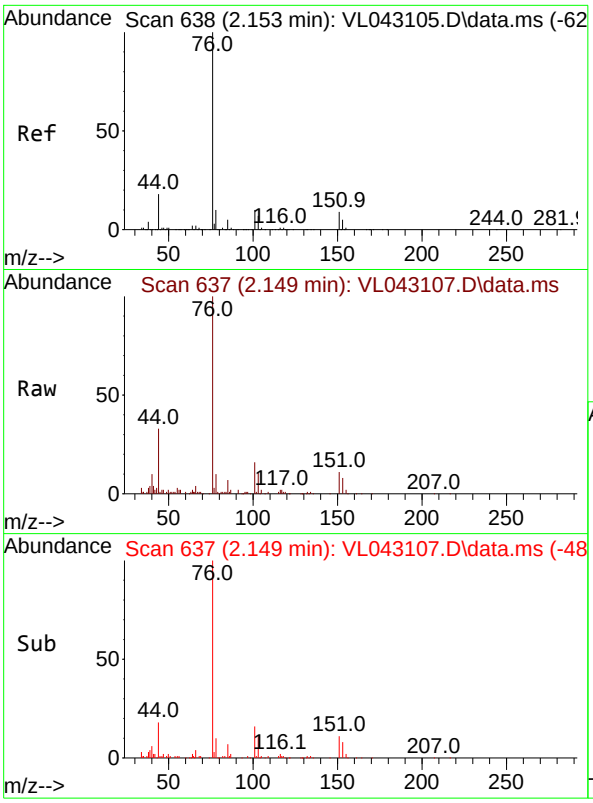


#26
Hexane
Concen: 1.089 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 57 Resp: 17152

Ion	Ratio	Lower	Upper
57	100		
41	91.8	71.4	107.0
43	219.3	178.5	267.7
56	53.1	42.2	63.4





#27
Carbon Disulfide
Concen: 1.092 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 76 Resp: 1576

Ion	Ratio	Lower	Upper
76	100		
44	47.9	16.7	25.1#
78	14.2	9.3	13.9#

Instrument :
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ClientSampleId :
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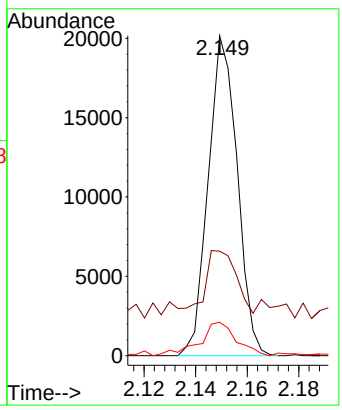
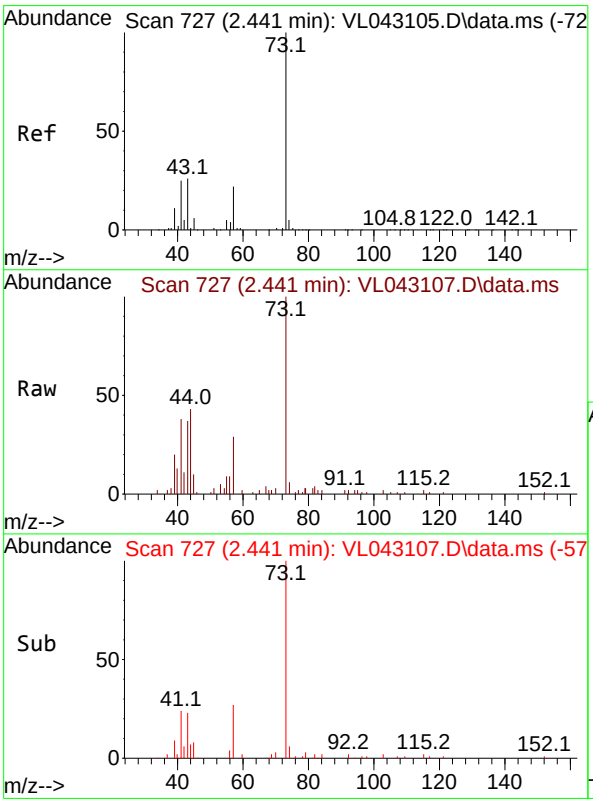
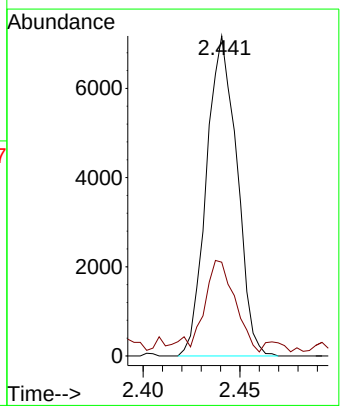


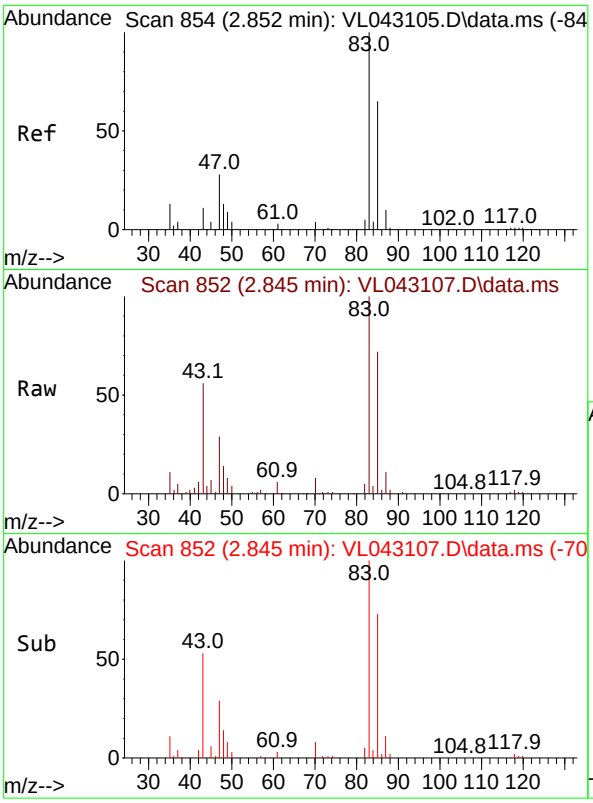


#28
Methyl tert-Butyl Ether
Concen: 1.095 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 73 Resp: 7847

Ion	Ratio	Lower	Upper
73	100		
57	32.3	20.5	30.7#

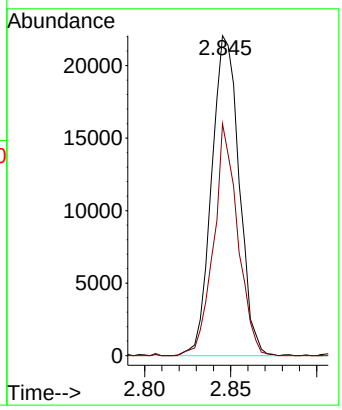




#29
Chloroform
Concen: 1.074 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 83 Resp: 2452

Ion	Ratio	Lower	Upper
83	100		
85	72.4	51.8	77.6



Instrument :
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ClientSampleId :
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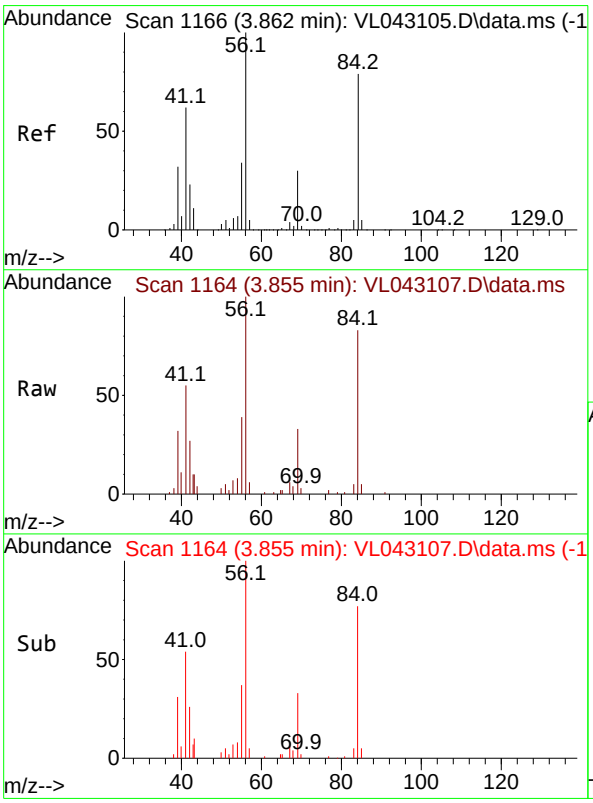
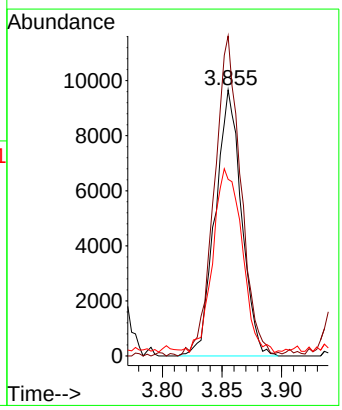
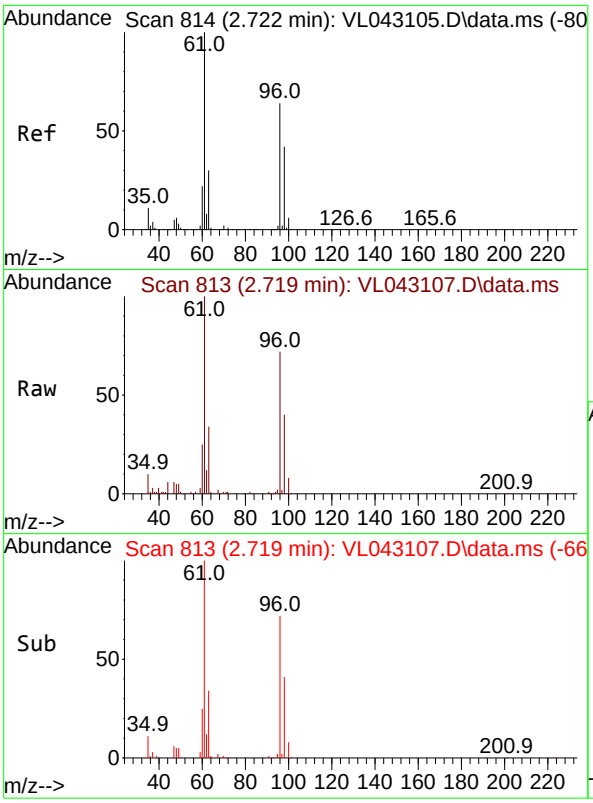


#30
Cyclohexane
Concen: 1.078 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 84 Resp: 14819

Ion	Ratio	Lower	Upper
84	100		
56	122.3	100.9	151.3
41	78.1	63.8	95.6

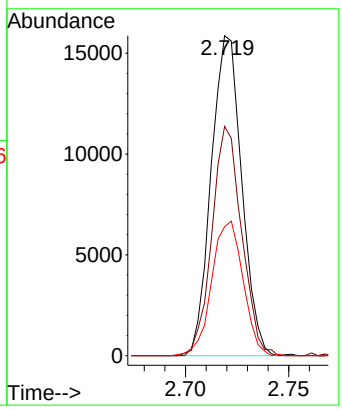




#31
cis-1,2-Dichloroethene
Concen: 1.084 ppbv
RT: 2.719 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 61 Resp: 1631

Ion	Ratio	Lower	Upper
61	100		
96	71.6	51.0	76.6
98	39.9	33.5	50.3



Instrument :
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ClientSampleId :
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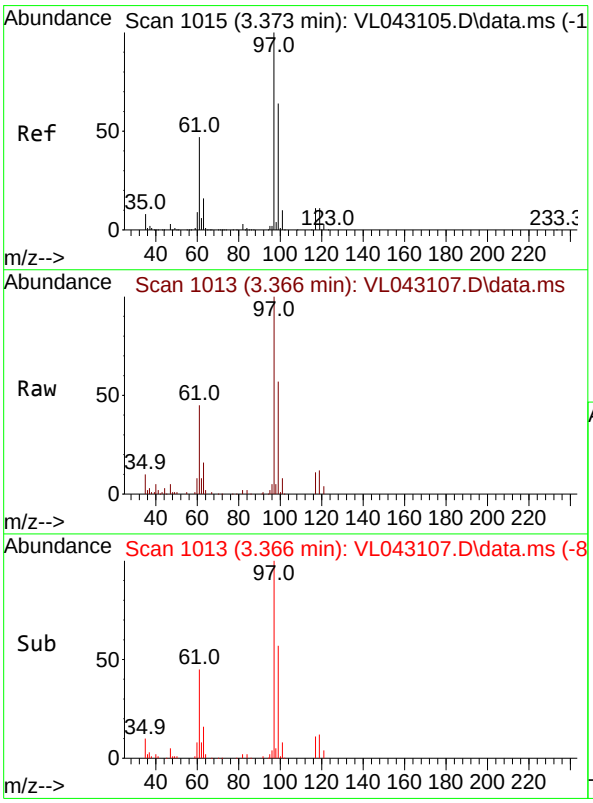
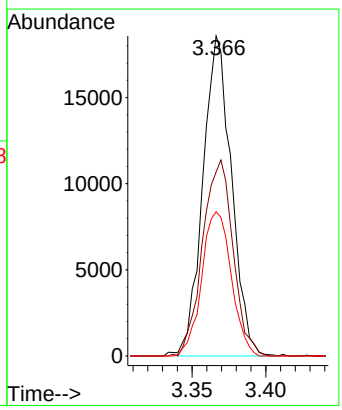
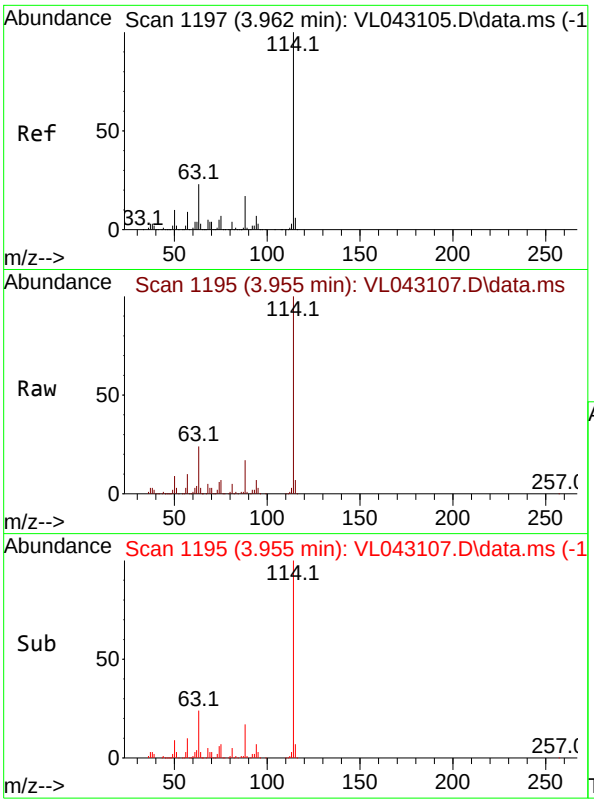


#32
1,1,1-Trichloroethane
Concen: 1.049 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 97 Resp: 24948

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.3	76.9
61	46.8	38.4	57.6

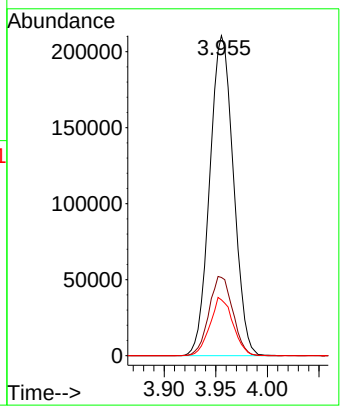




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:114 Resp: 33626

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.3	28.9
88	17.6	13.9	20.9



Instrument :
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ClientSampleId :
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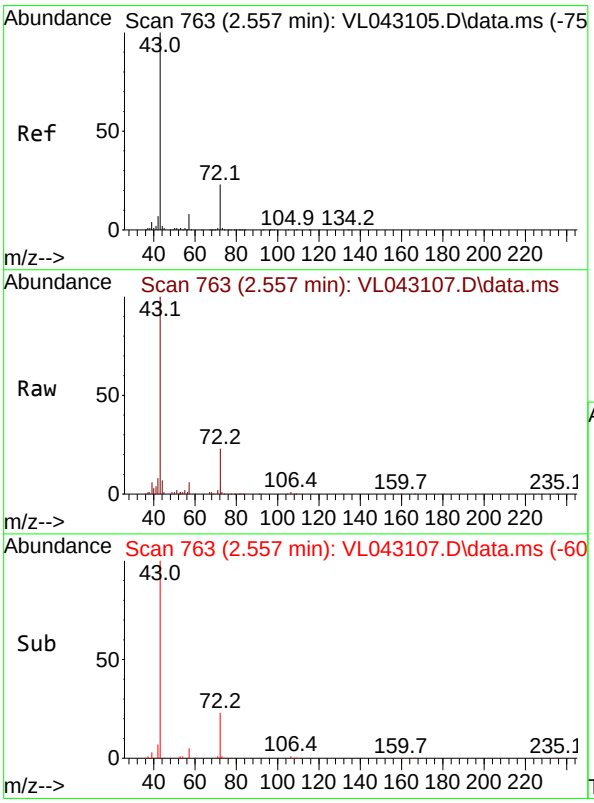
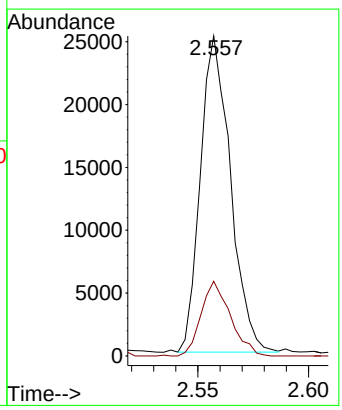
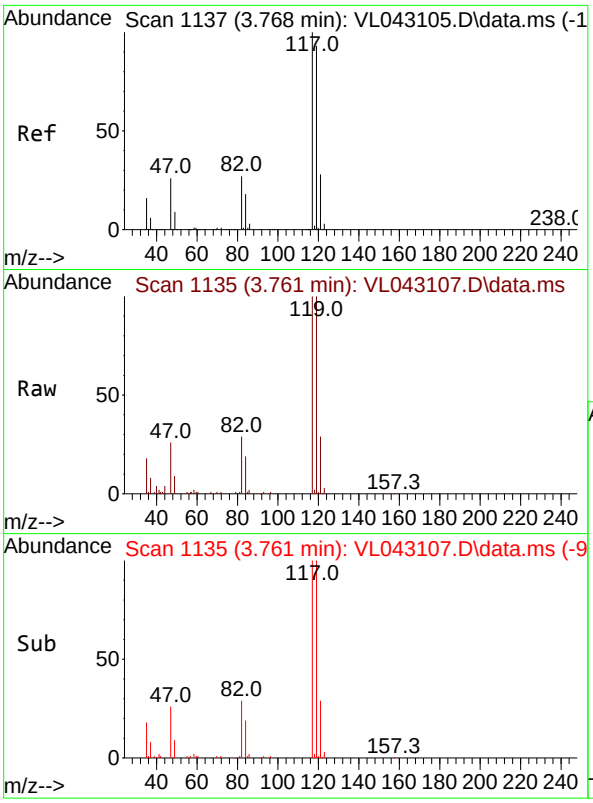


#34
2-Butanone
Concen: 1.047 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 23811

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6

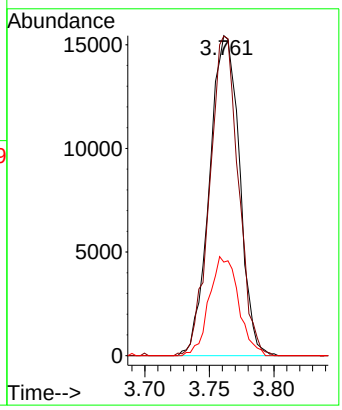




#35
Carbon Tetrachloride
Concen: 1.033 ppbv
RT: 3.761 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:117 Resp: 2496

Ion	Ratio	Lower	Upper
117	100		
119	99.8	74.1	111.1
121	29.3	22.2	33.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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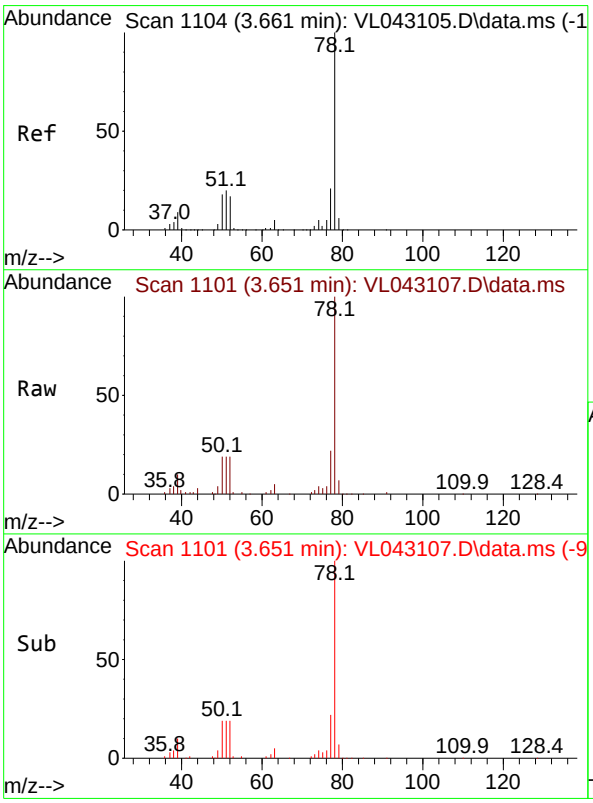
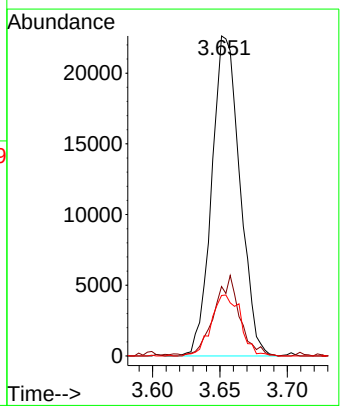
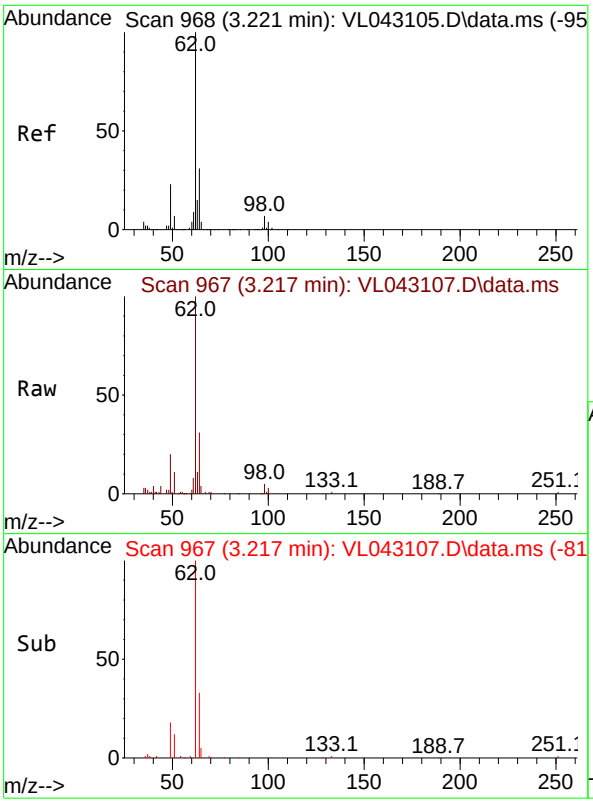


#36
Benzene
Concen: 1.040 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 78 Resp: 32940

Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.0	25.6
50	18.9	14.6	22.0

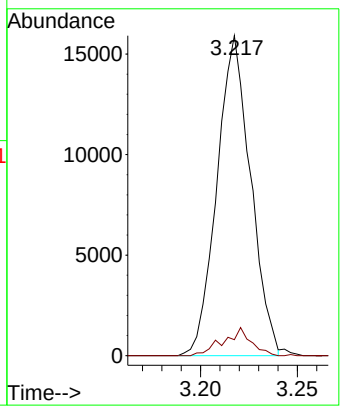




#37
1,2-Dichloroethane
Concen: 1.053 ppbv
RT: 3.217 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 62 Resp: 1921

Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.8	8.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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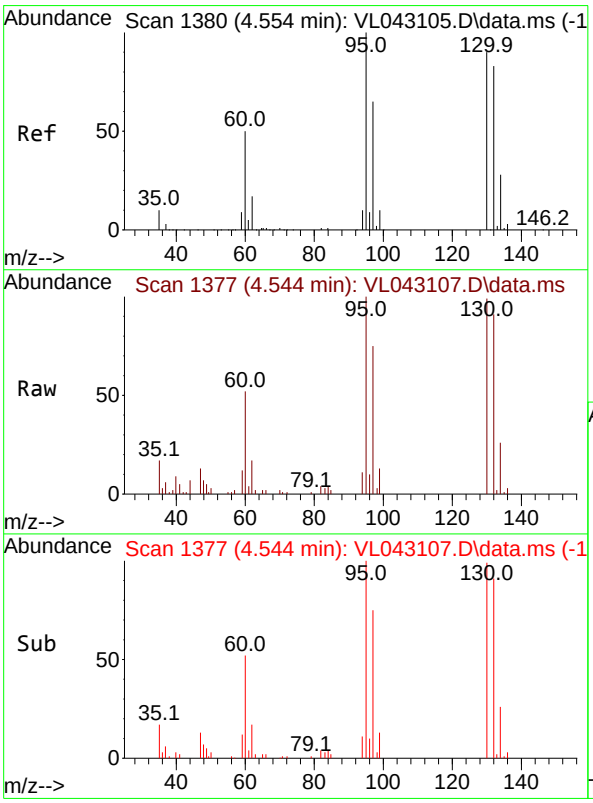
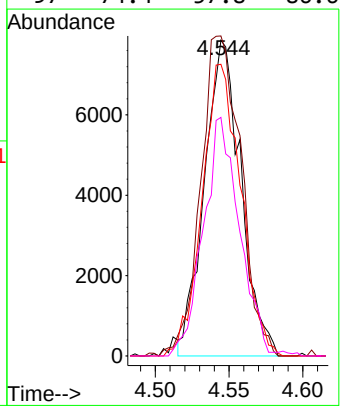
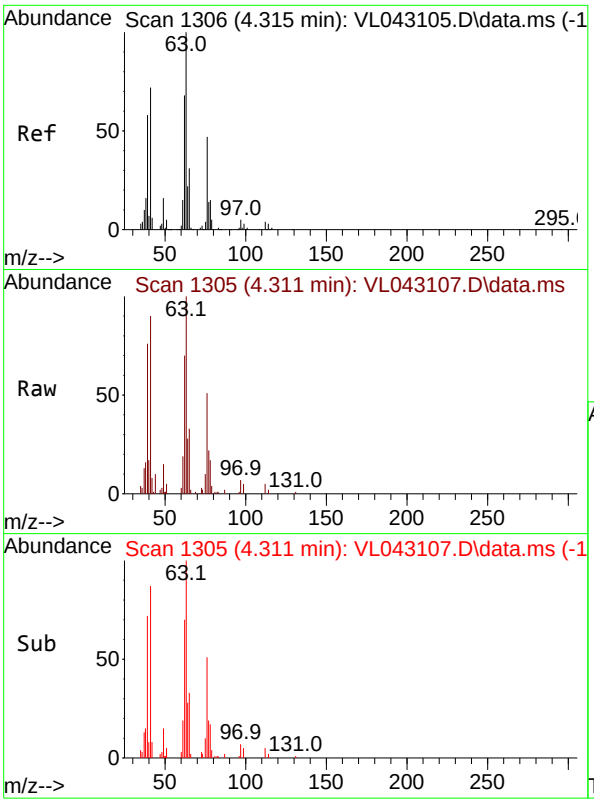


#38
Trichloroethene
Concen: 1.023 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:130 Resp: 13512

Ion	Ratio	Lower	Upper
130	100		
95	101.4	88.6	133.0
132	91.5	73.4	110.0
97	74.4	57.8	86.6

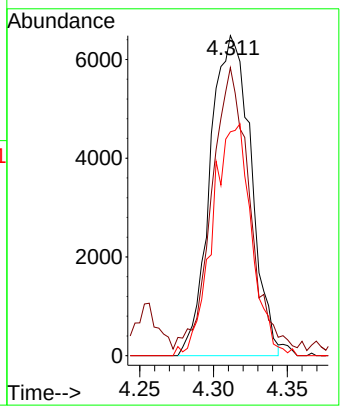




#39
1,2-Dichloropropane
Concen: 1.073 ppbv
RT: 4.311 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 63 Resp: 1243

Ion	Ratio	Lower	Upper
63	100		
41	84.3	58.0	87.0
62	67.2	54.7	82.1



Instrument :
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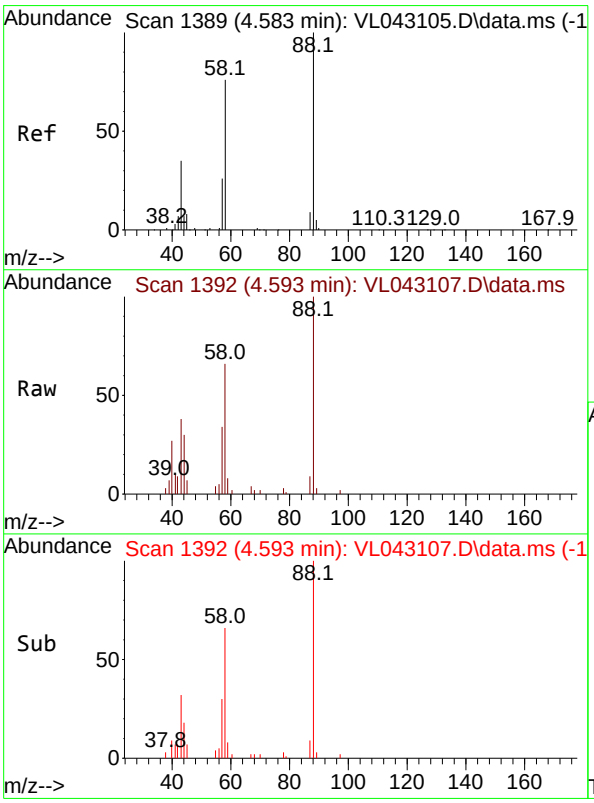
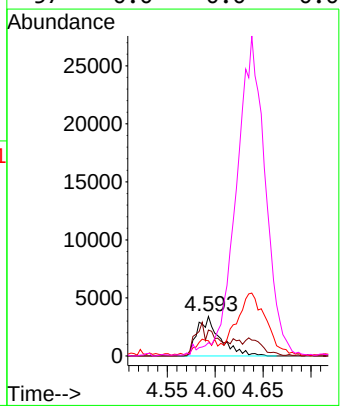
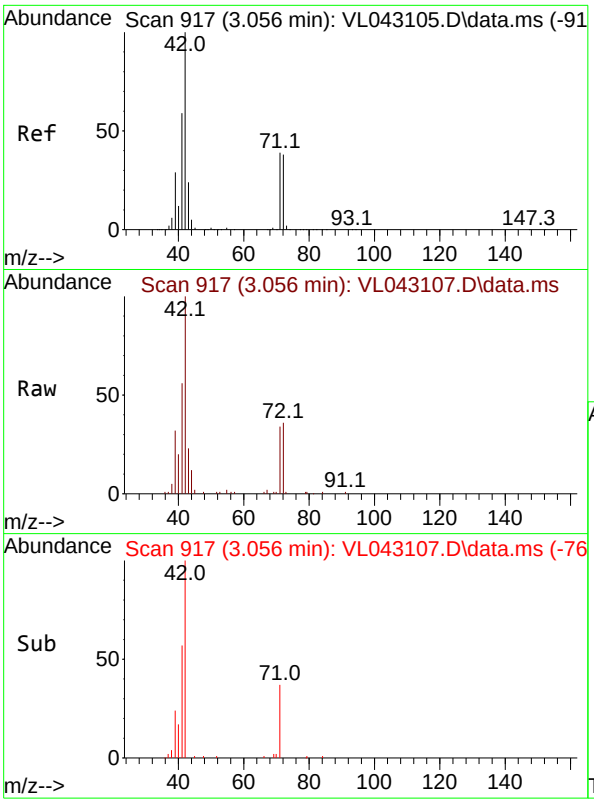


#40
1,4-Dioxane
Concen: 1.077 ppbv m
RT: 4.593 min Scan# 1392
Delta R.T. 0.009 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 88 Resp: 5579

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	0.0	24.0	36.0#
57	0.0	0.0	0.0

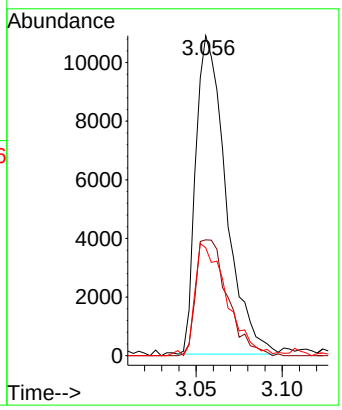




#41
Tetrahydrofuran
Concen: 1.044 ppbv
RT: 3.056 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 42 Resp: 1325

Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.3	46.9
71	38.6	30.4	45.6



Instrument :
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ClientSampleId :
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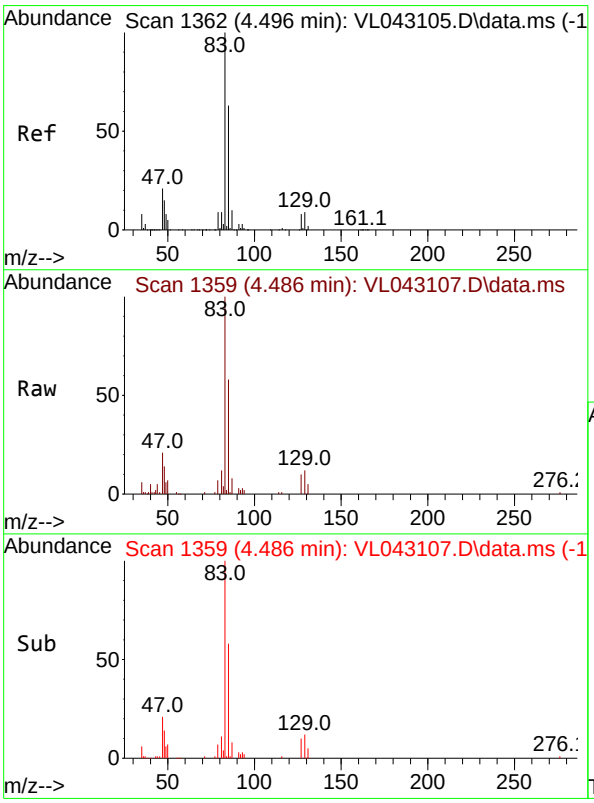
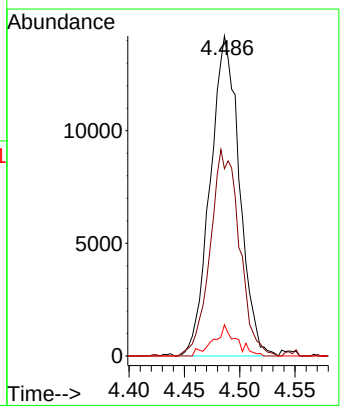
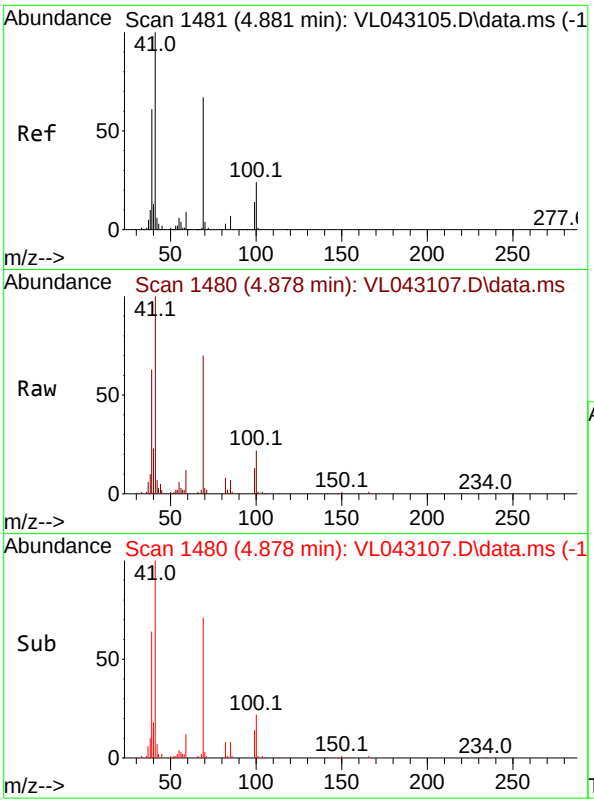


#42
Bromodichloromethane
Concen: 1.032 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 83 Resp: 26069

Ion	Ratio	Lower	Upper
83	100		
85	58.5	50.6	75.8
127	9.8	6.3	9.5#

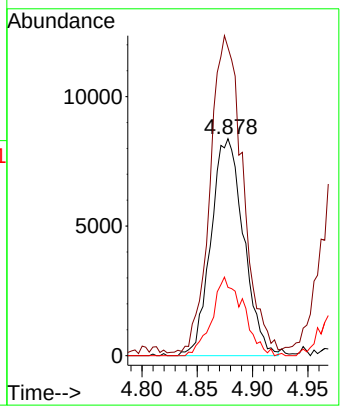




#43
Methyl Methacrylate
Concen: 1.064 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 69 Resp: 1719

Ion	Ratio	Lower	Upper
69	100		
41	145.9	120.5	180.7
100	35.0	29.0	43.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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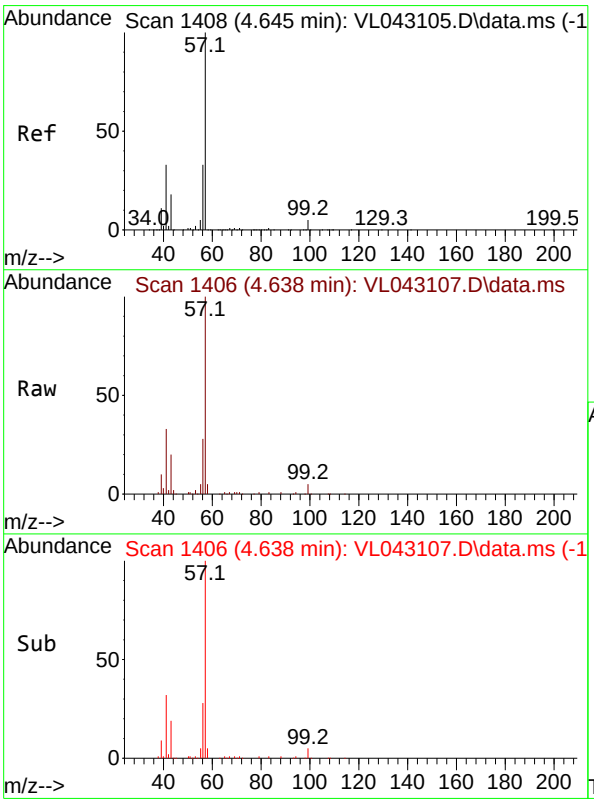
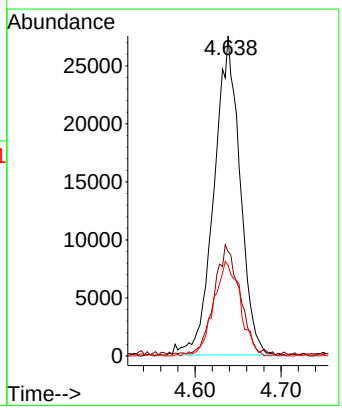
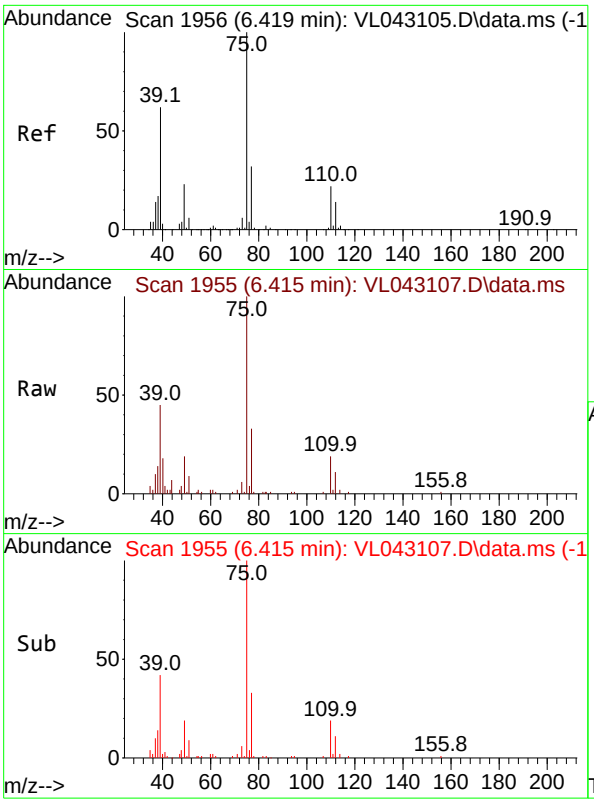


#44
2,2,4-Trimethylpentane
Concen: 1.084 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 57 Resp: 57382

Ion	Ratio	Lower	Upper
57	100		
41	35.4	26.3	39.5
56	30.7	25.9	38.9

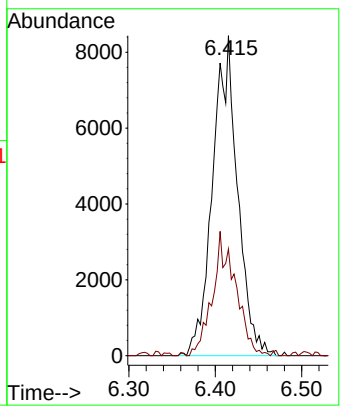




#45
t-1,3-Dichloropropene
Concen: 1.045 ppbv m
RT: 6.415 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 75 Resp: 1687

Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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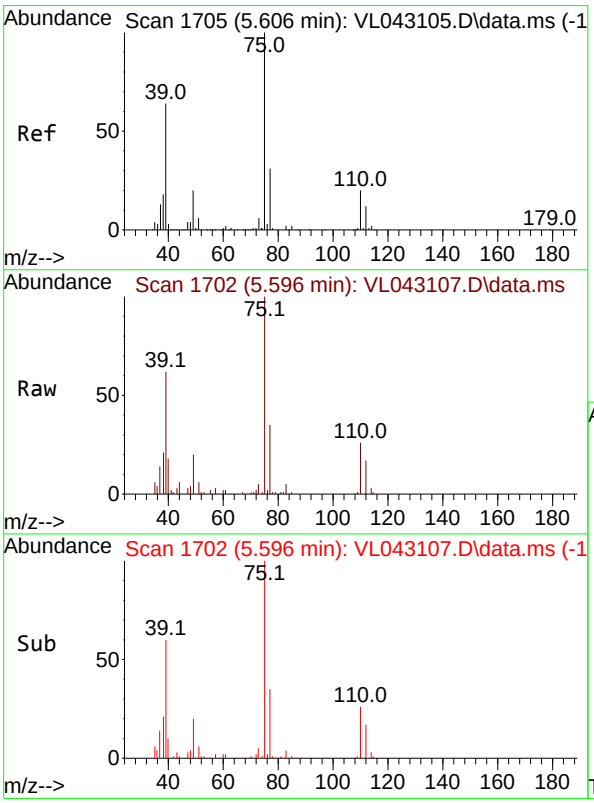
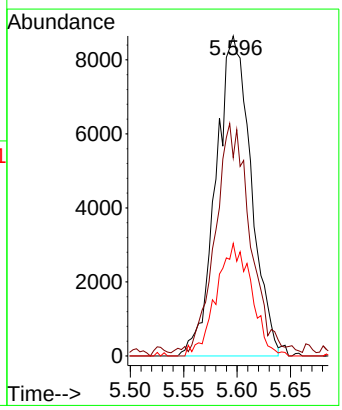
Supervised By :Mahesh Dadoda 10/16/2025

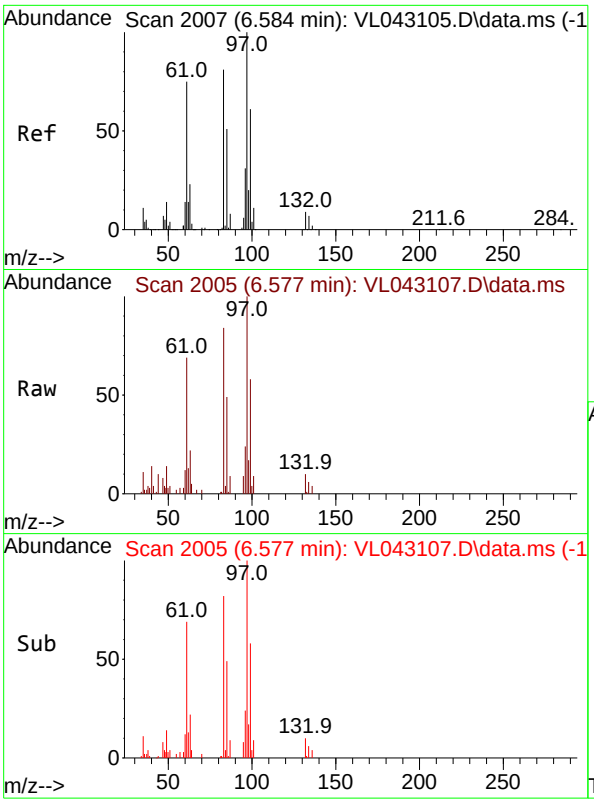


#46
cis-1,3-Dichloropropene
Concen: 1.029 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 75 Resp: 19830

Ion	Ratio	Lower	Upper
75	100		
39	59.6	51.0	76.6
77	35.1	25.0	37.4

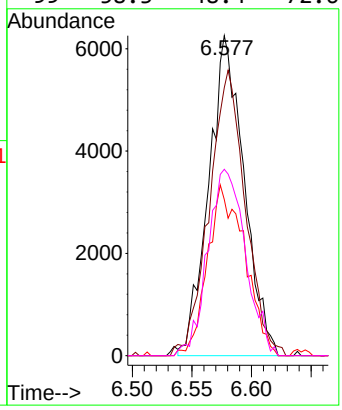




#47
1,1,2-Trichloroethane
Concen: 1.030 ppbv
RT: 6.577 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 97 Resp: 1287

Ion	Ratio	Lower	Upper
97	100		
83	80.9	64.6	96.8
85	48.8	40.6	60.8
99	58.3	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
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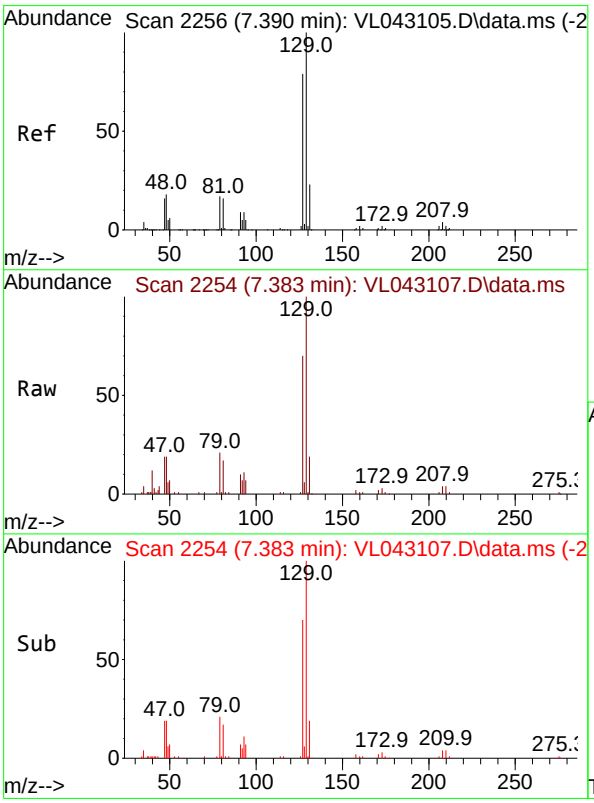
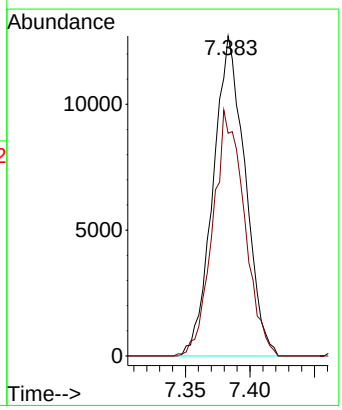
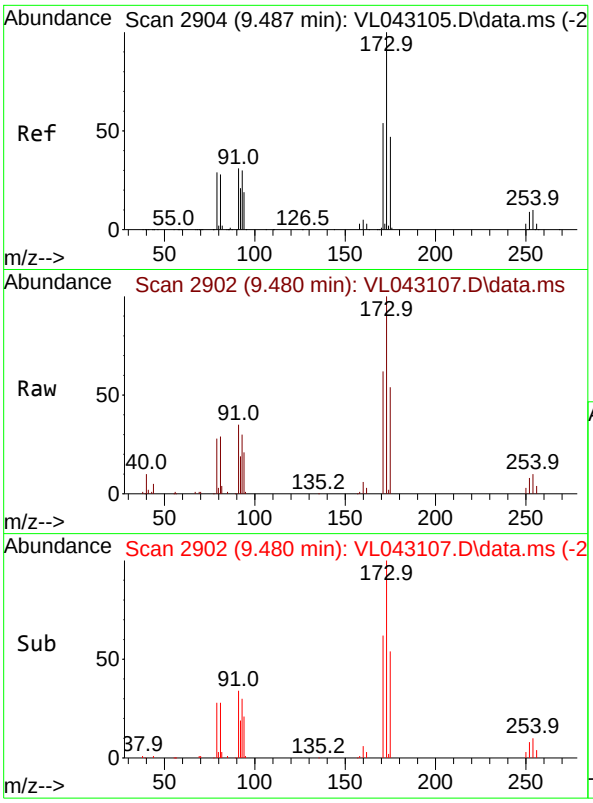


#48
Dibromochloromethane
Concen: 1.046 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:129 Resp: 21874

Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.3	117.9

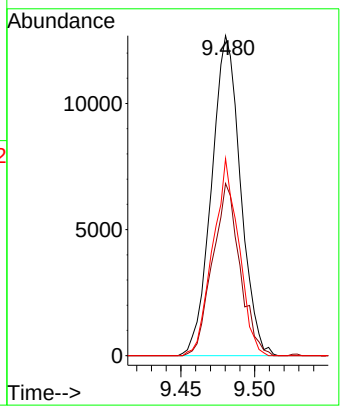




#49
Bromoform
Concen: 1.019 ppbv
RT: 9.480 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:173 Resp: 1732

Ion	Ratio	Lower	Upper
173	100		
175	50.9	38.8	58.2
171	55.0	41.7	62.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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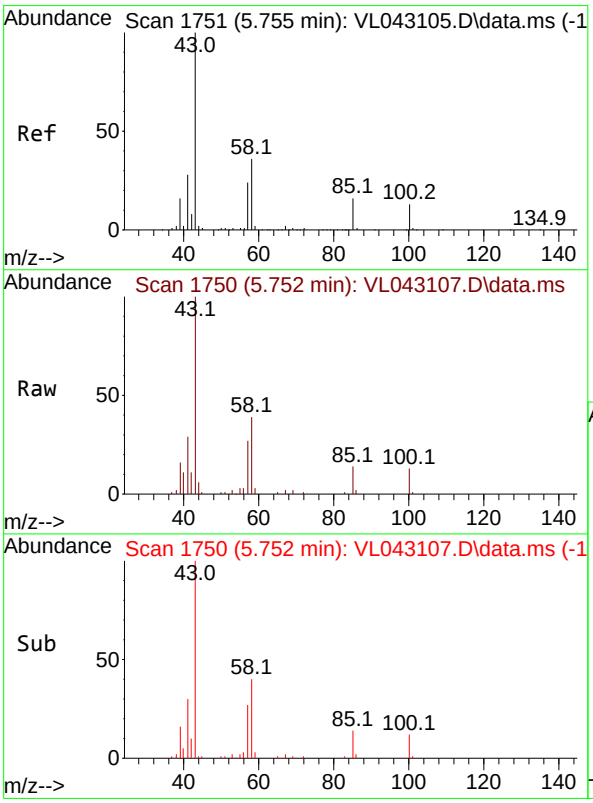
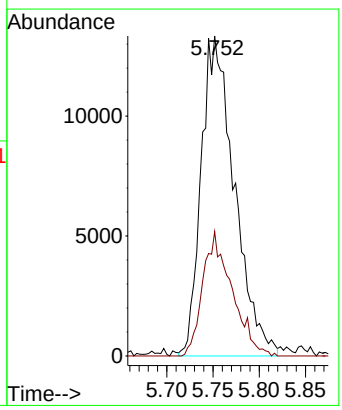
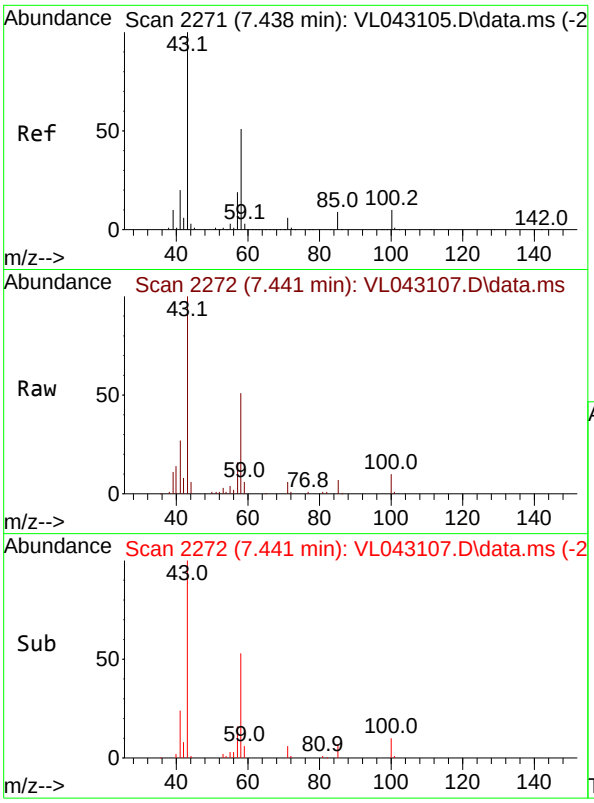


#50
4-Methyl-2-Pentanone
Concen: 1.061 ppbv m
RT: 5.752 min Scan# 1750
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 33269

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#

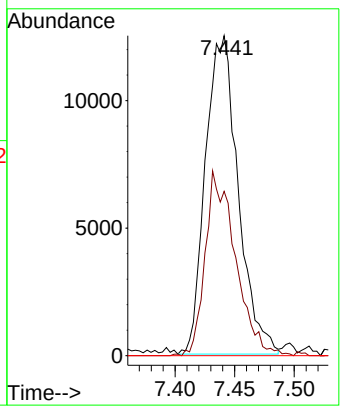




#51
2-Hexanone
Concen: 1.018 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 2381

Ion	Ratio	Lower	Upper
43	100		
58	53.7	40.4	60.6
98	0.0	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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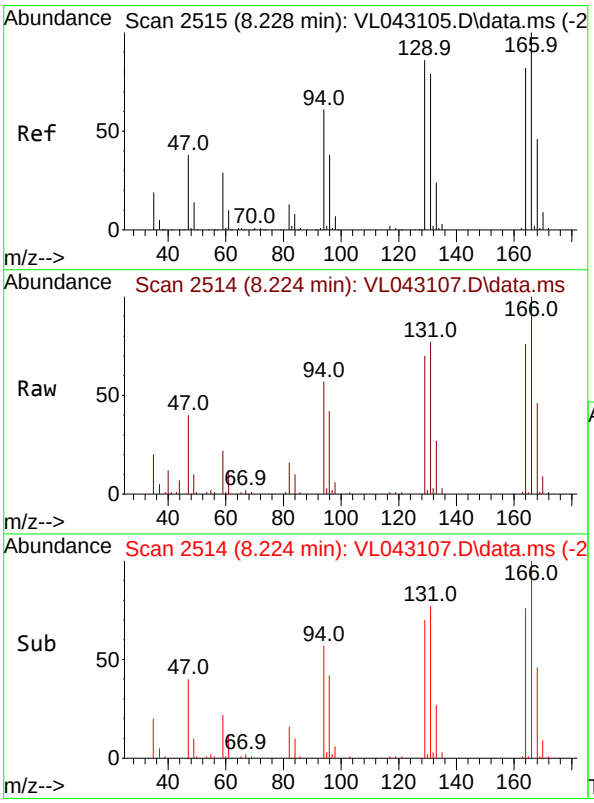
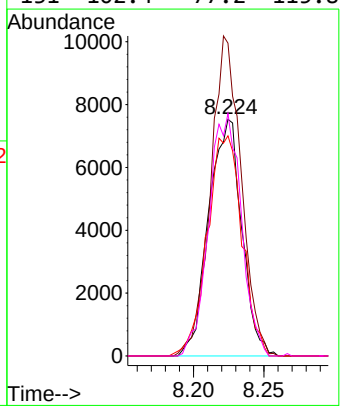
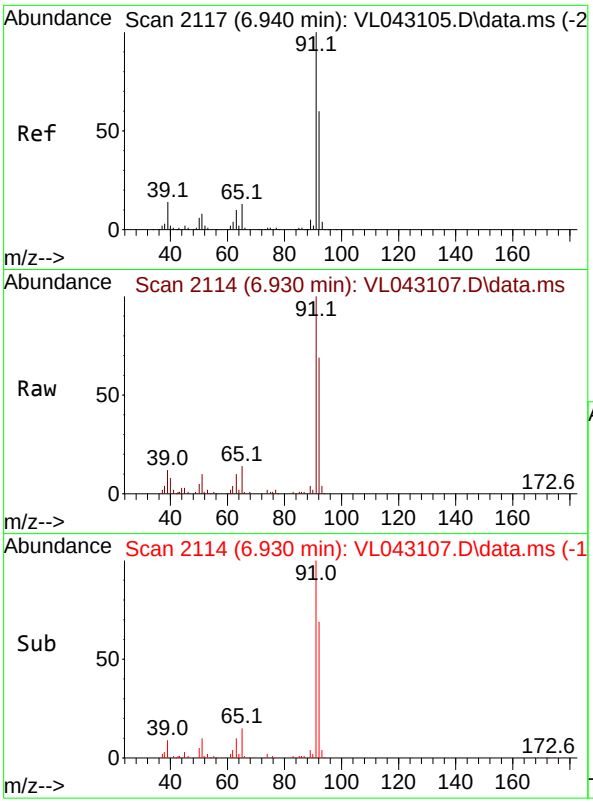


#52
Tetrachloroethene
Concen: 1.079 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:164 Resp: 12319

Ion	Ratio	Lower	Upper
164	100		
166	132.1	97.6	146.4
129	93.0	84.5	126.7
131	102.4	77.2	115.8

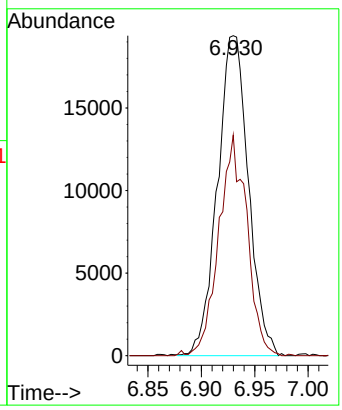




#53
Toluene
Concen: 1.040 ppbv
RT: 6.930 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 3907

Ion	Ratio	Lower	Upper
91	100		
92	62.8	48.8	73.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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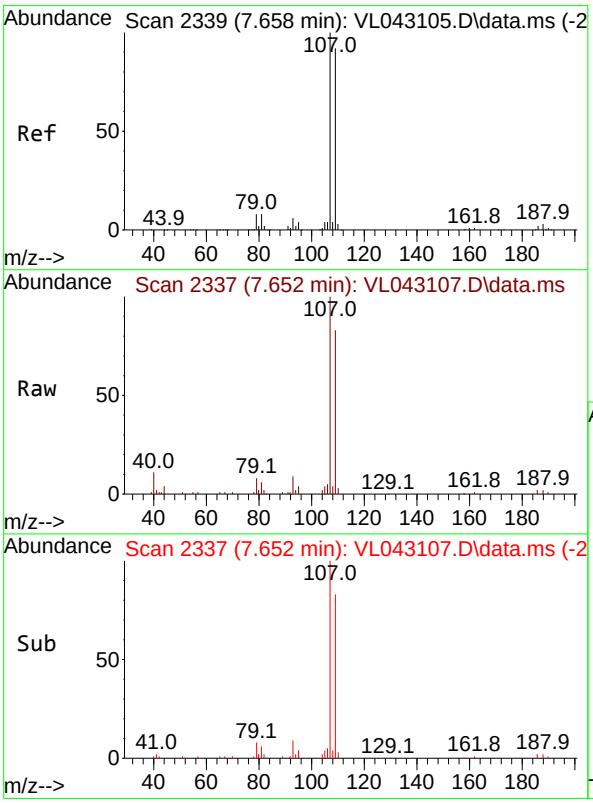
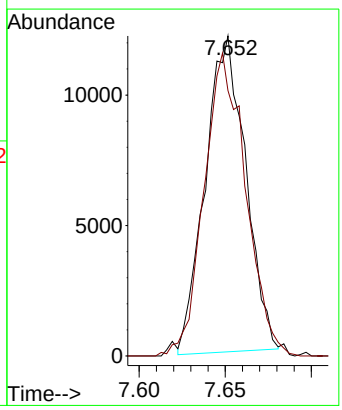
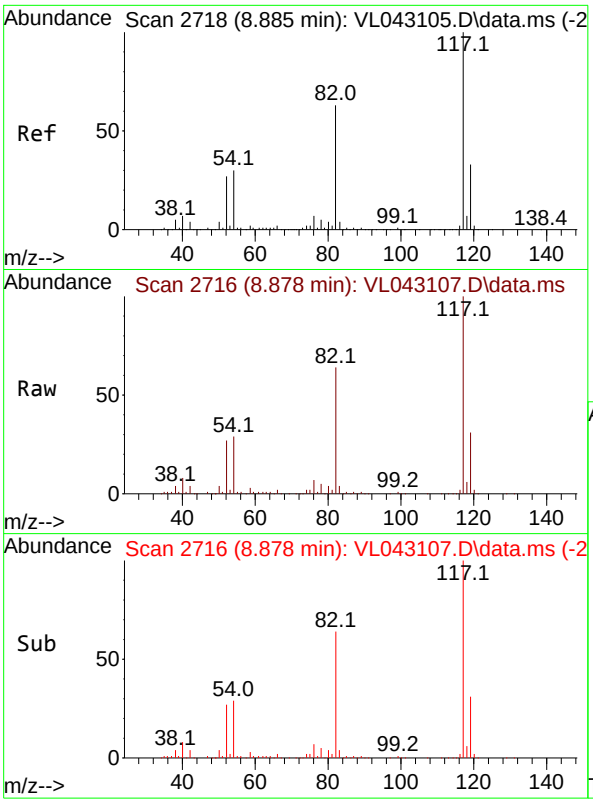


#54
1,2-Dibromoethane
Concen: 0.999 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:107 Resp: 19711

Ion	Ratio	Lower	Upper
107	100		
109	80.7	73.4	110.2

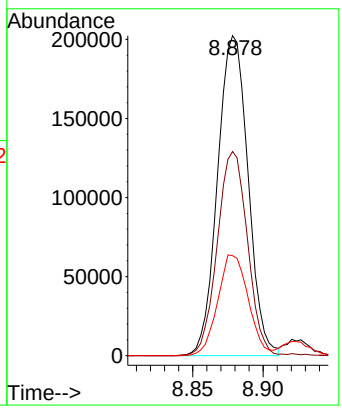




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:117 Resp: 30540

Ion	Ratio	Lower	Upper
117	100		
82	63.4	53.8	80.8
119	32.3	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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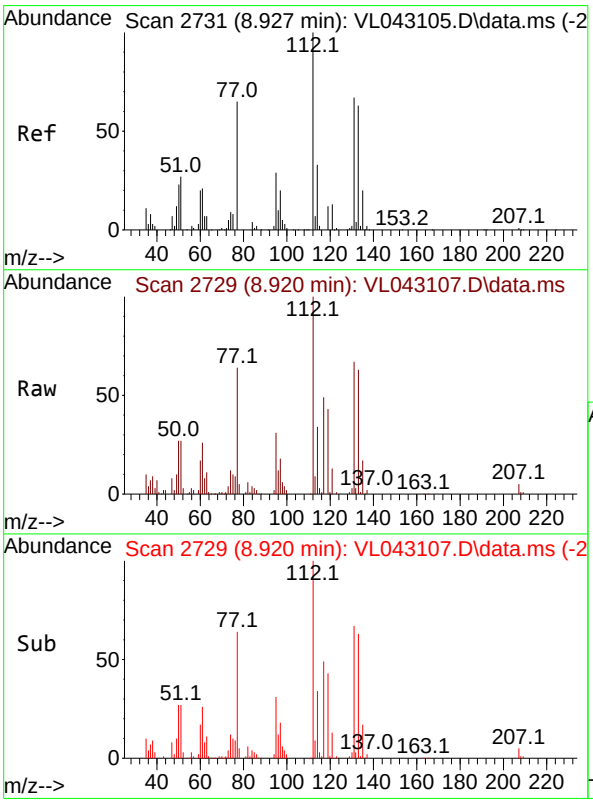
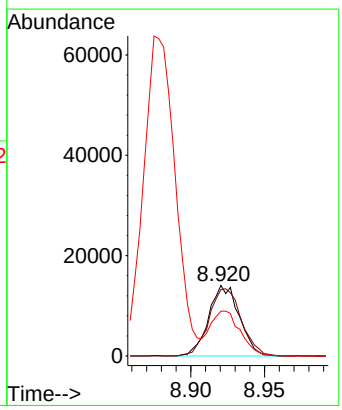
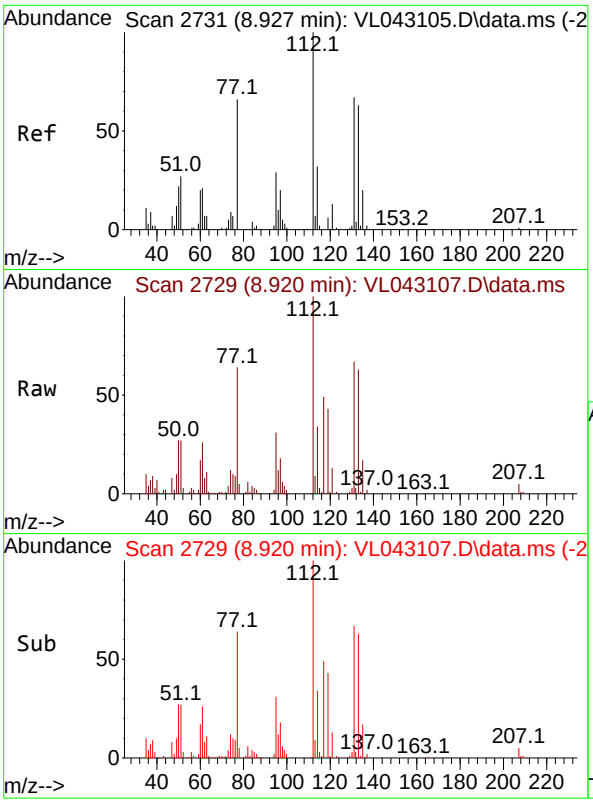


#56
1,1,1,2-Tetrachloroethane
Concen: 1.053 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:131 Resp: 20279

Ion	Ratio	Lower	Upper
131	100		
133	100.9	75.7	113.5
119	62.1	50.6	76.0

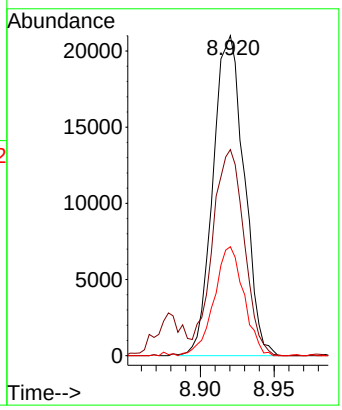




#57
Chlorobenzene
Concen: 1.079 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:112 Resp: 3082

Ion	Ratio	Lower	Upper
112	100		
77	64.2	53.3	79.9
114	34.1	29.3	35.8



Instrument :
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ClientSampleId :
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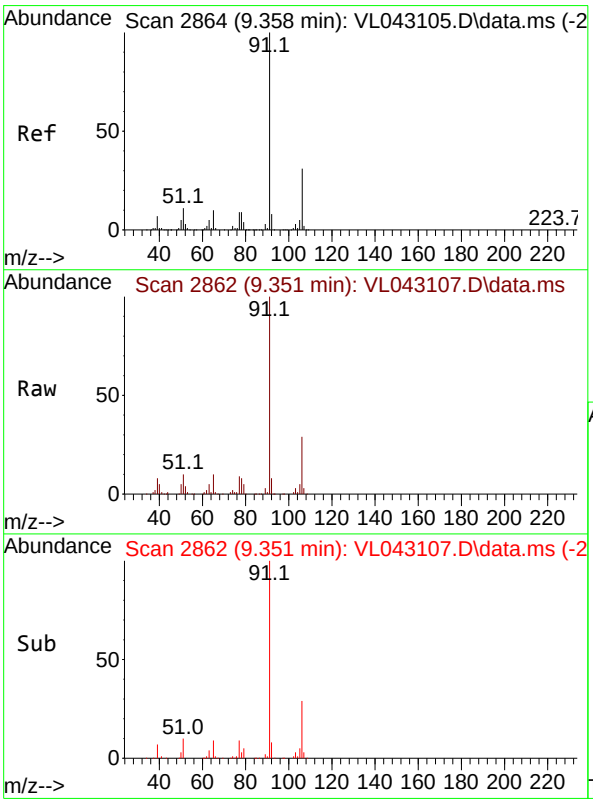
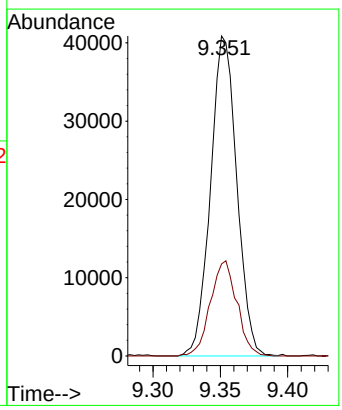
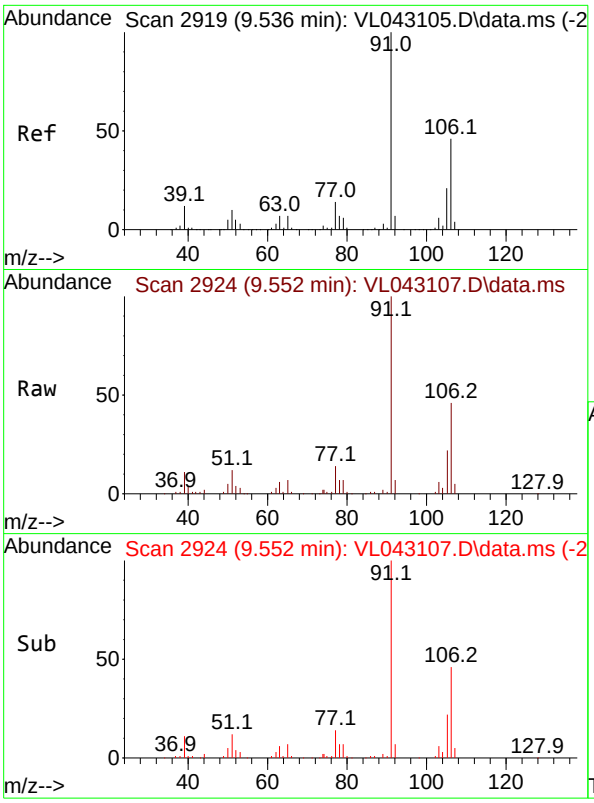


#58
Ethyl Benzene
Concen: 1.049 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 55420

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.8	37.2





#59
m/p-Xylene
Concen: 2.127 ppbv m
RT: 9.552 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 8899

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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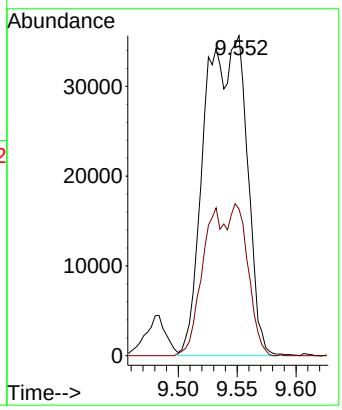
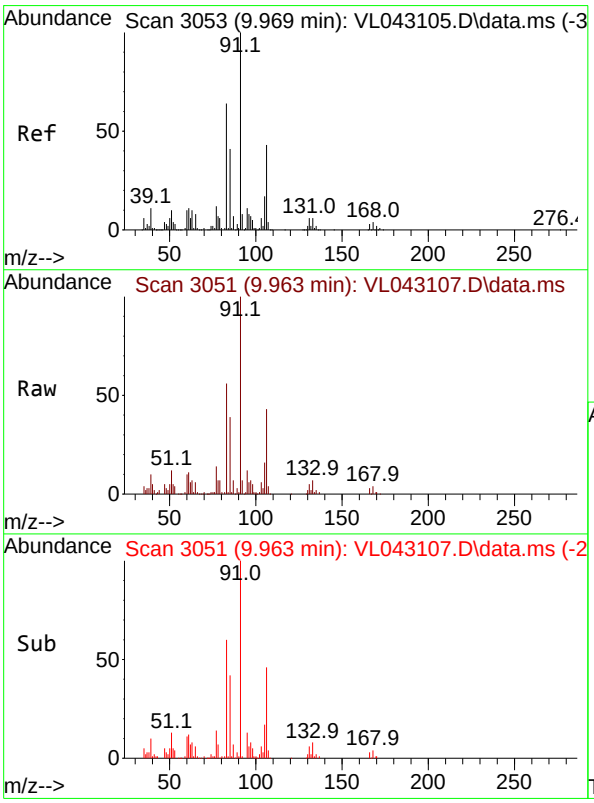
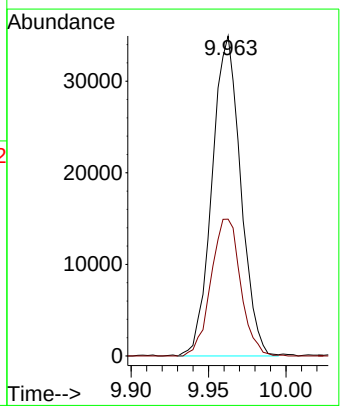


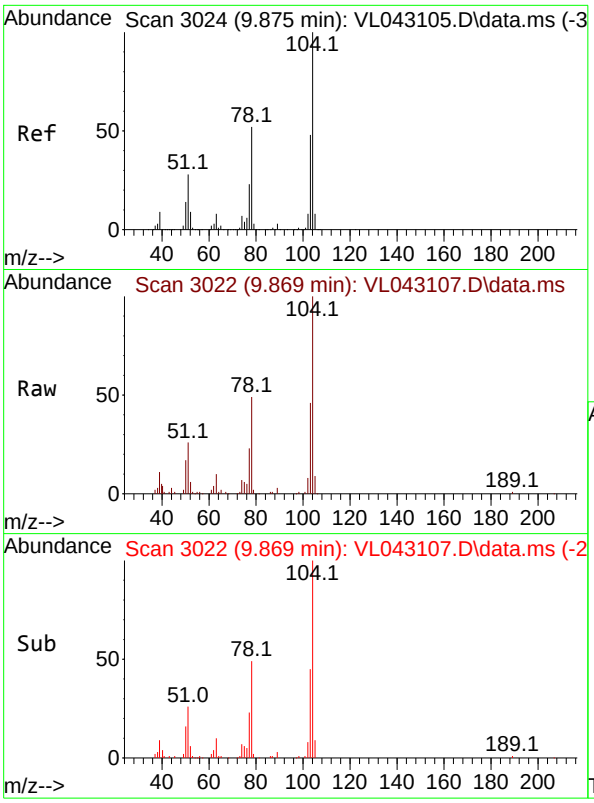


#60
o-Xylene
Concen: 1.088 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 44925

Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.9	65.8

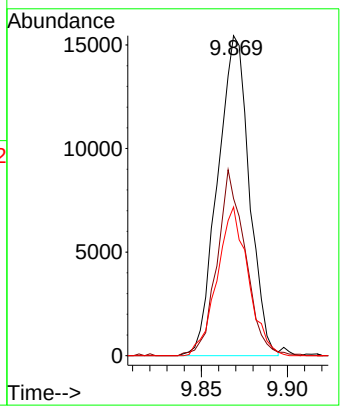




#61
Styrene
Concen: 1.063 ppbv
RT: 9.869 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:104 Resp: 1980

Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.2	60.2
103	45.5	36.9	55.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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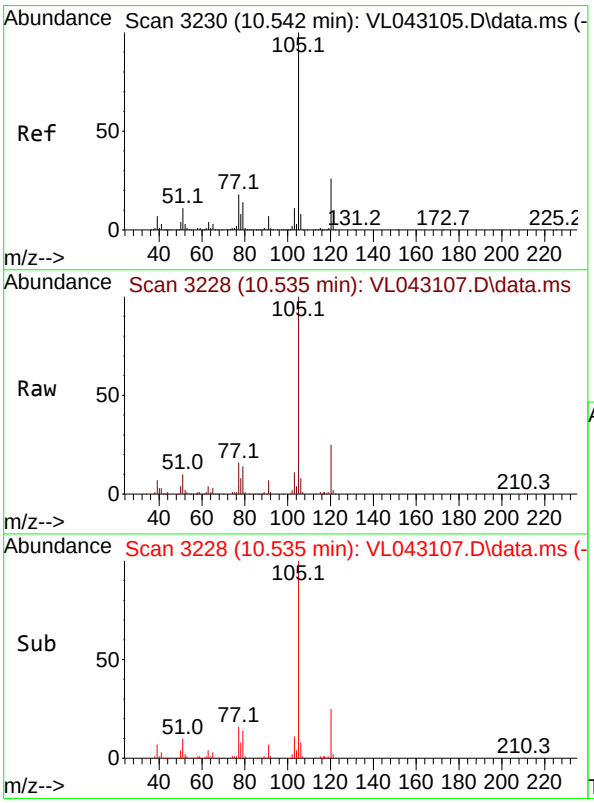
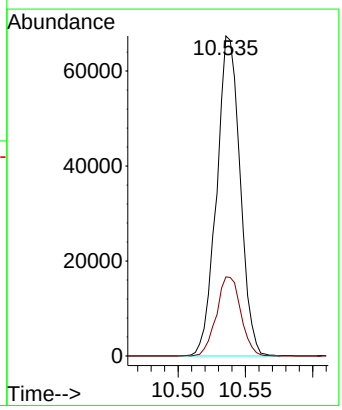
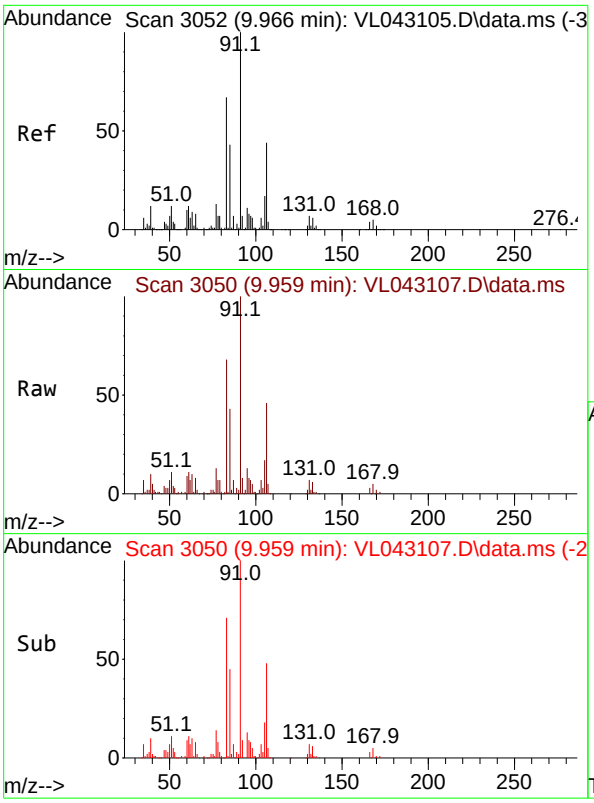


#62
Isopropylbenzene
Concen: 1.093 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:105 Resp: 81579

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.2	30.4

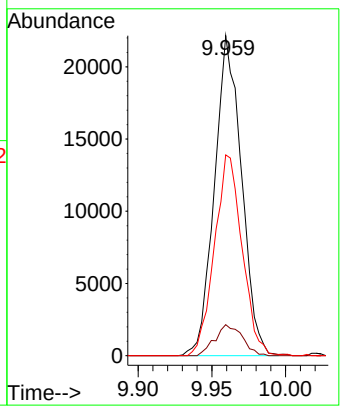




#63
1,1,2,2-Tetrachloroethane
Concen: 1.021 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 83 Resp: 2823

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	64.3	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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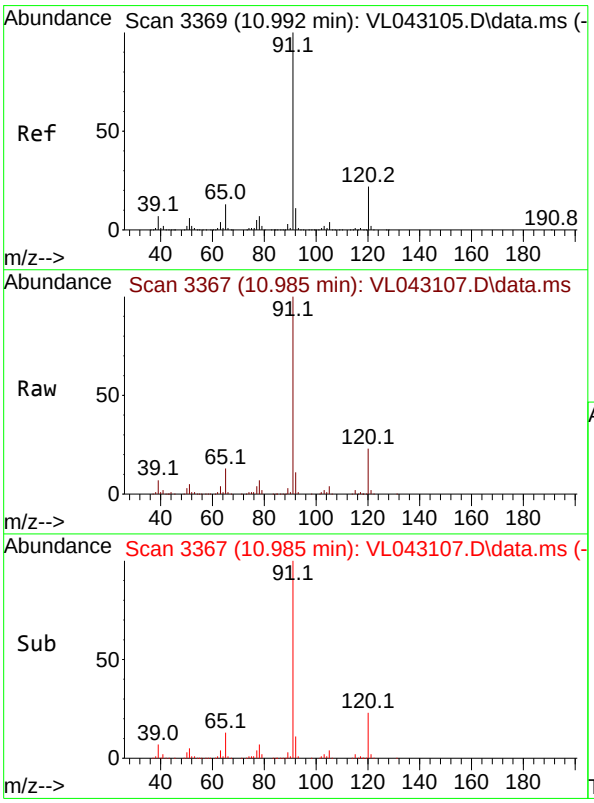
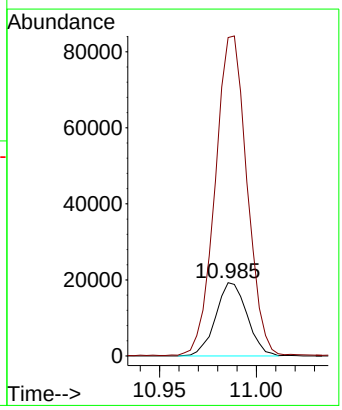
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

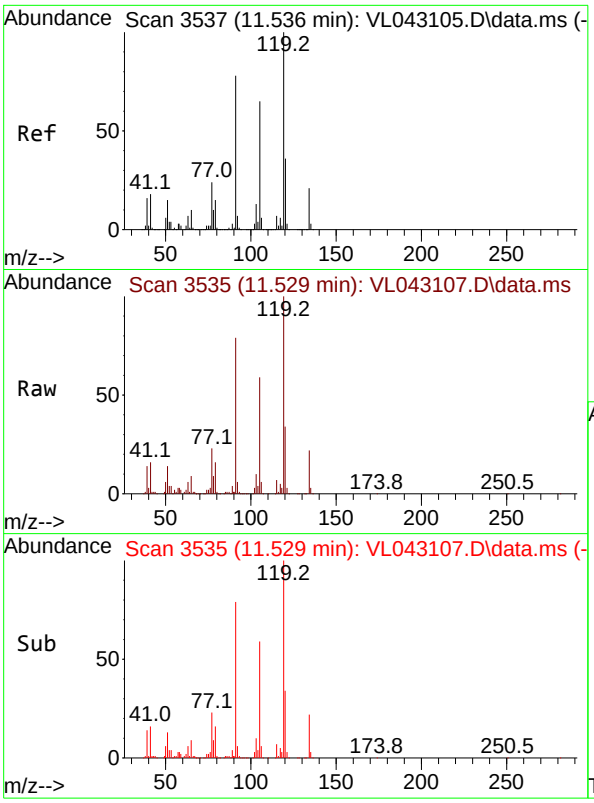


#64
n-propylbenzene
Concen: 1.098 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:120 Resp: 21685

Ion	Ratio	Lower	Upper
120	100		
91	446.5	361.6	542.4

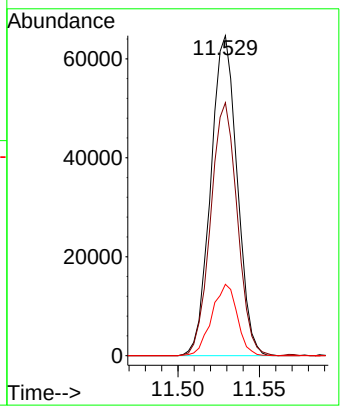




#65
tert-Butylbenzene
Concen: 1.105 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:119 Resp: 7278

Ion	Ratio	Lower	Upper
119	100		
91	79.8	63.4	95.0
134	21.5	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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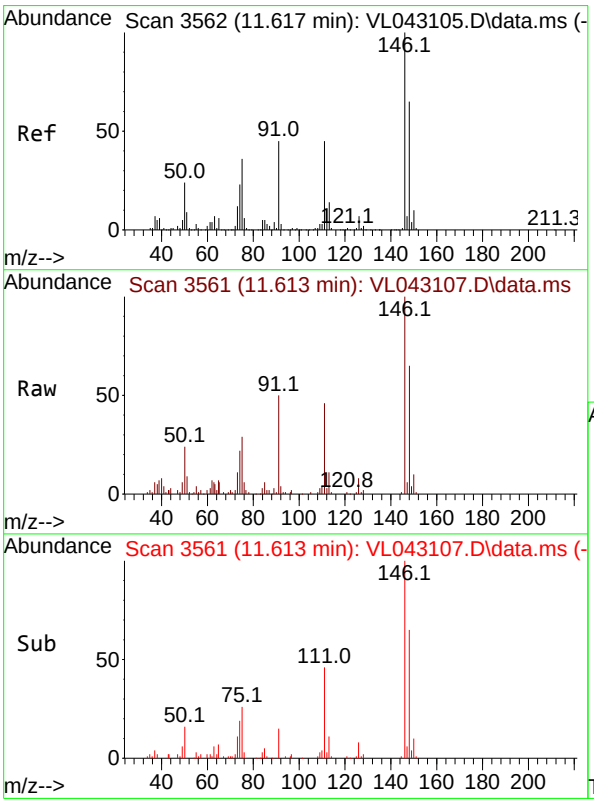
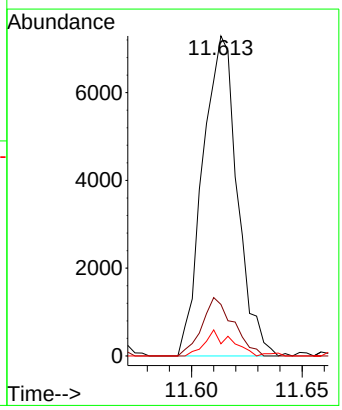
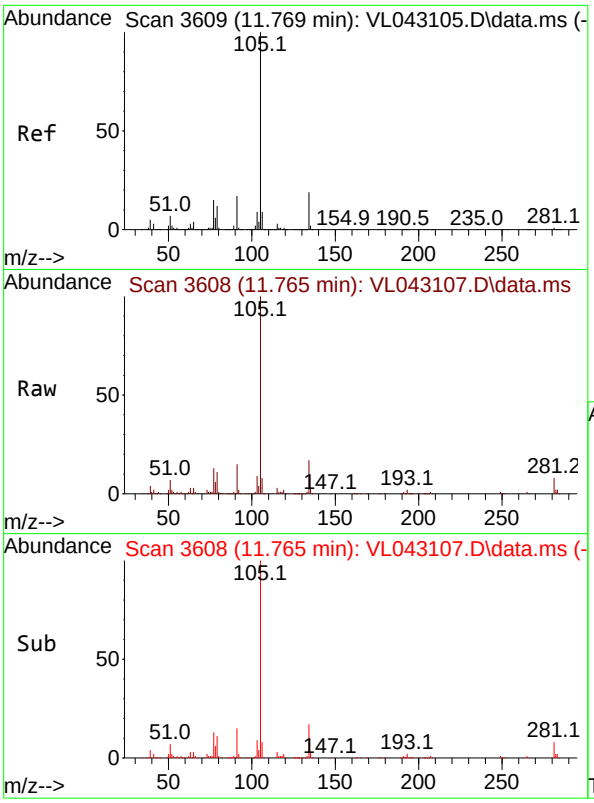


#66
Benzyl Chloride
Concen: 1.076 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 7918

Ion	Ratio	Lower	Upper
91	100		
126	16.6	14.6	22.0
128	6.6	4.6	6.8





#67
sec-Butylbenzene
Concen: 1.103 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:105 Resp: 10315

Ion	Ratio	Lower	Upper
105	100		
134	19.2	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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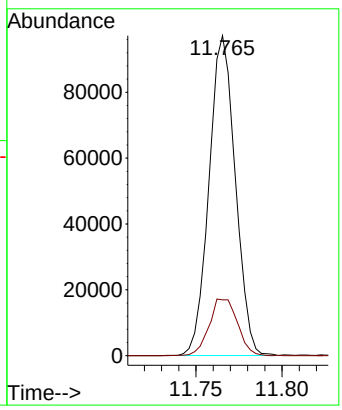
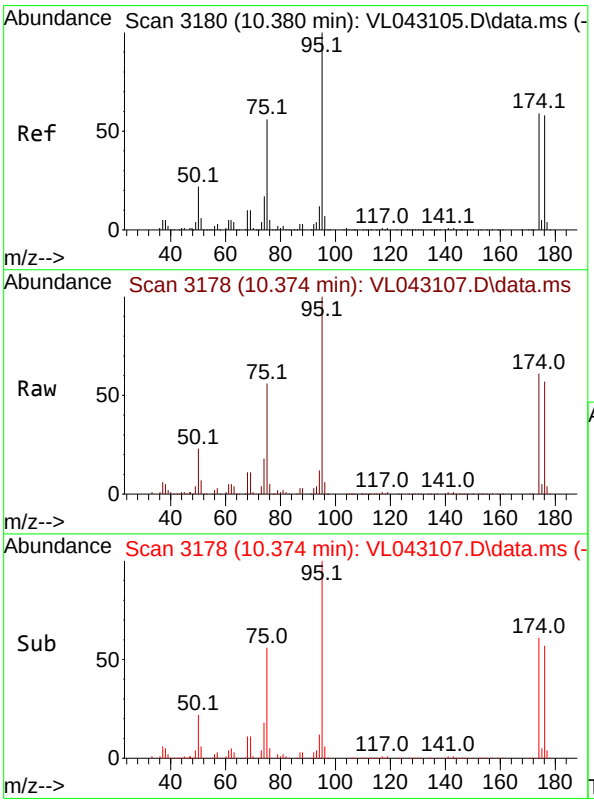
Supervised By :Mahesh Dadoda 10/16/2025

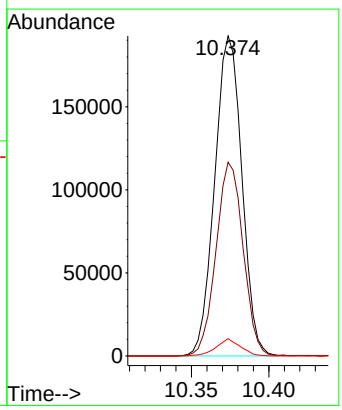


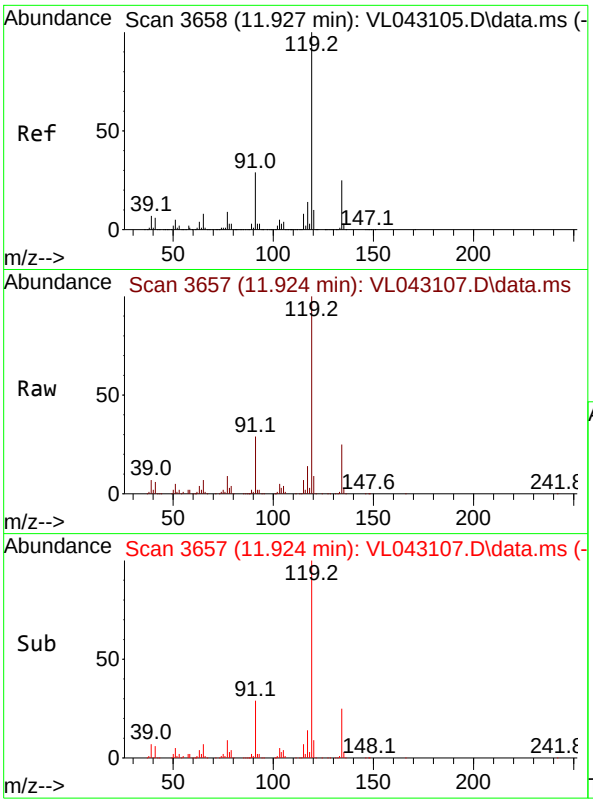


#68
1-Bromo-4-Fluorobenzene
Concen: 9.912 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 95 Resp: 235307

Ion	Ratio	Lower	Upper
95	100		
174	60.3	48.3	72.5
175	4.8	3.8	5.8

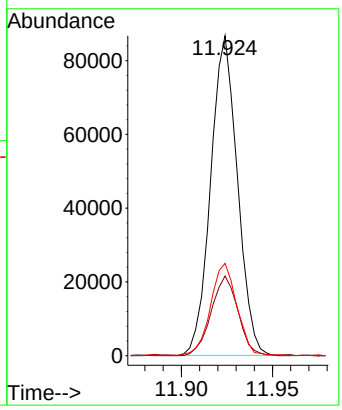




#69
p-Isopropyltoluene
Concen: 1.113 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:119 Resp: 8844

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	28.9	22.6	33.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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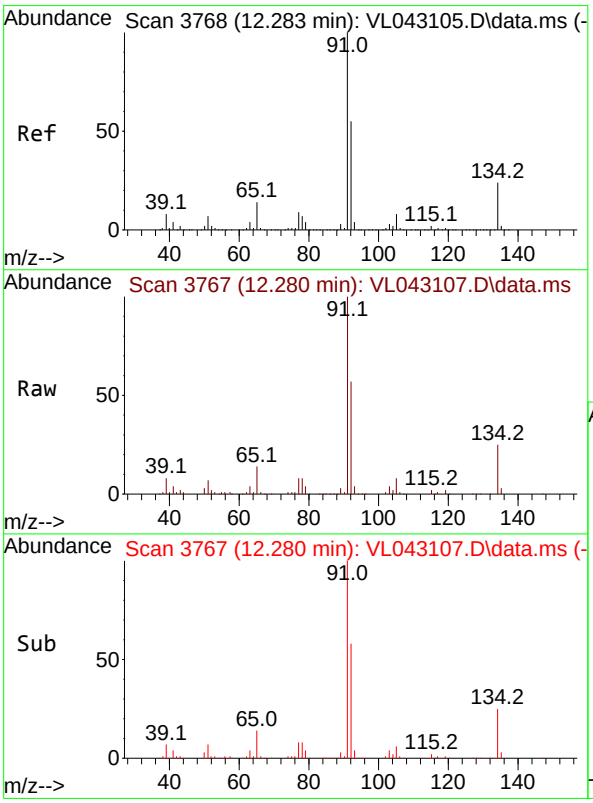
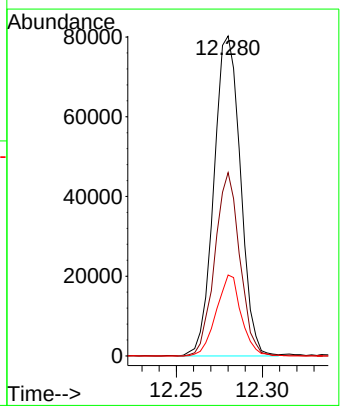
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

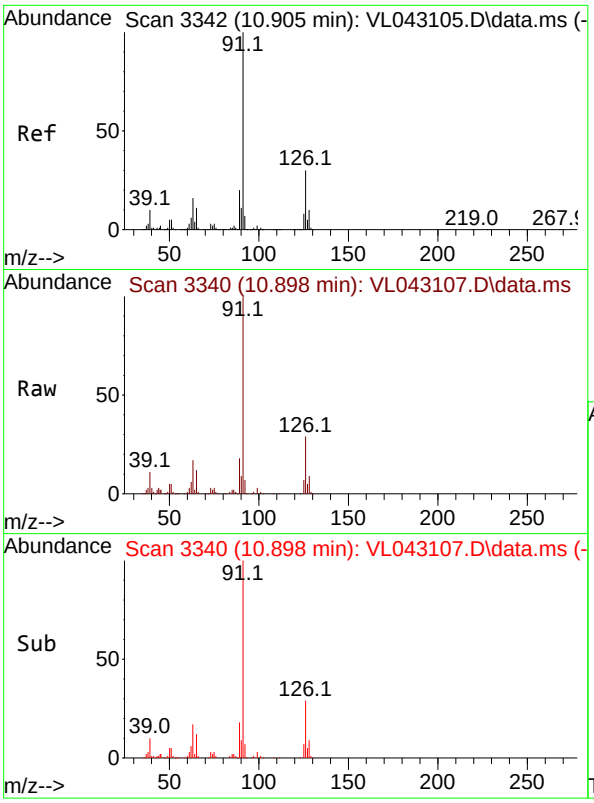


#70
n-Butylbenzene
Concen: 1.100 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 86120

Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.5	66.7
134	23.9	19.3	28.9

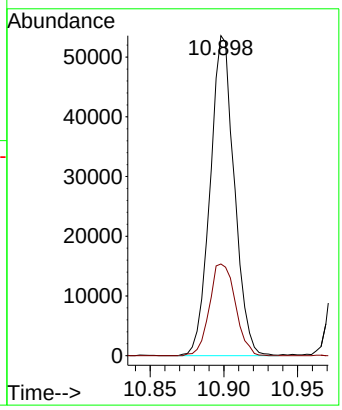




#71
2-Chlorotoluene
Concen: 1.072 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 6099

Ion	Ratio	Lower	Upper
91	100		
126	30.8	12.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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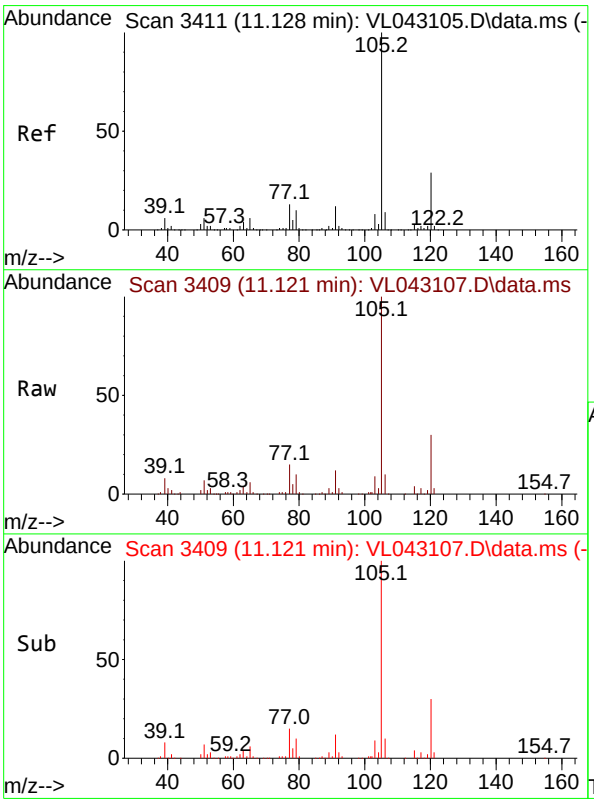
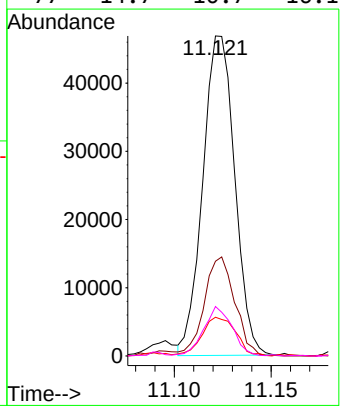
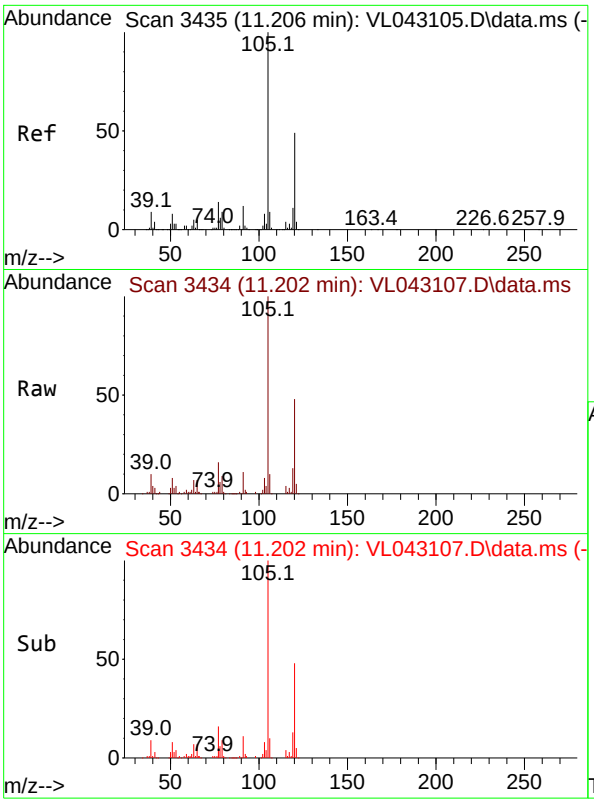


#72
4-Ethyltoluene
Concen: 1.059 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:105 Resp: 53788

Ion	Ratio	Lower	Upper
105	100		
120	31.0	24.2	36.4
91	14.0	10.0	15.0
77	14.7	10.7	16.1

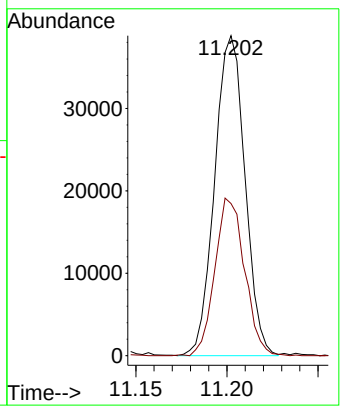




#73
1,3,5-Trimethylbenzene
Concen: 1.070 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:105 Resp: 4478

Ion	Ratio	Lower	Upper
105	100		
120	47.3	39.0	58.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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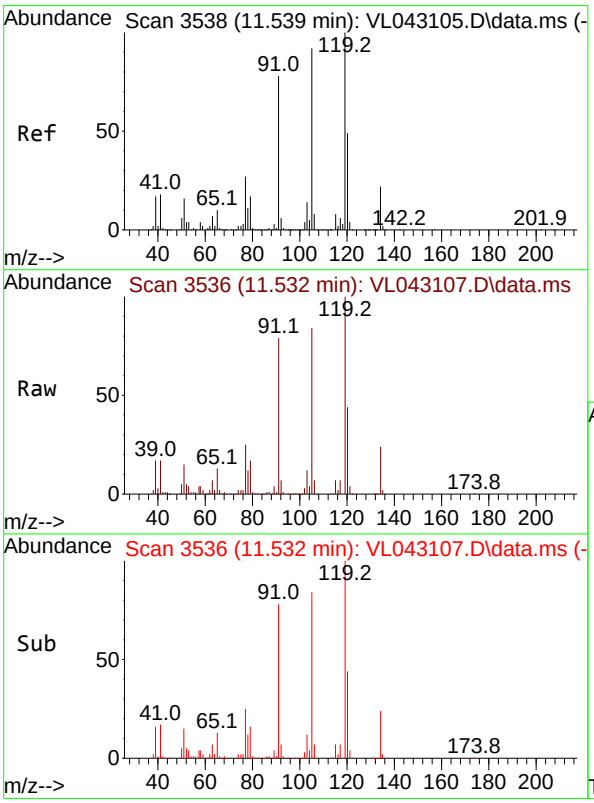
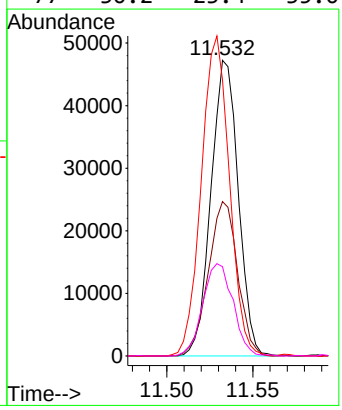
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

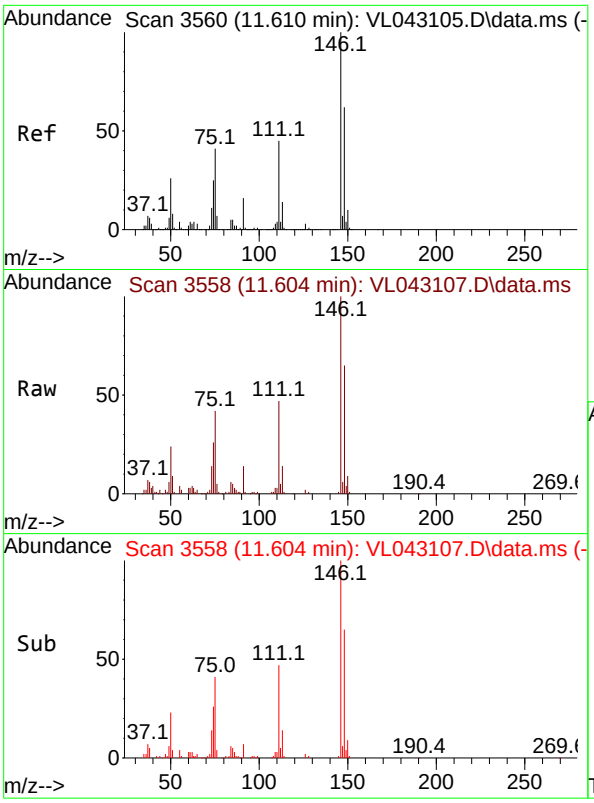


#74
1,2,4-Trimethylbenzene
Concen: 1.112 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:105 Resp: 52118

Ion	Ratio	Lower	Upper
105	100		
120	52.2	42.8	64.2
91	93.1	68.3	102.5
77	30.2	23.4	35.0

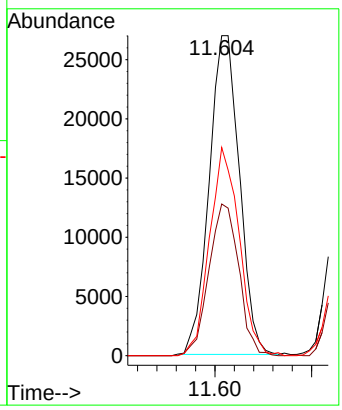




#75
1,3-Dichlorobenzene
Concen: 1.074 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:146 Resp: 2918

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.3	69.9
148	64.0	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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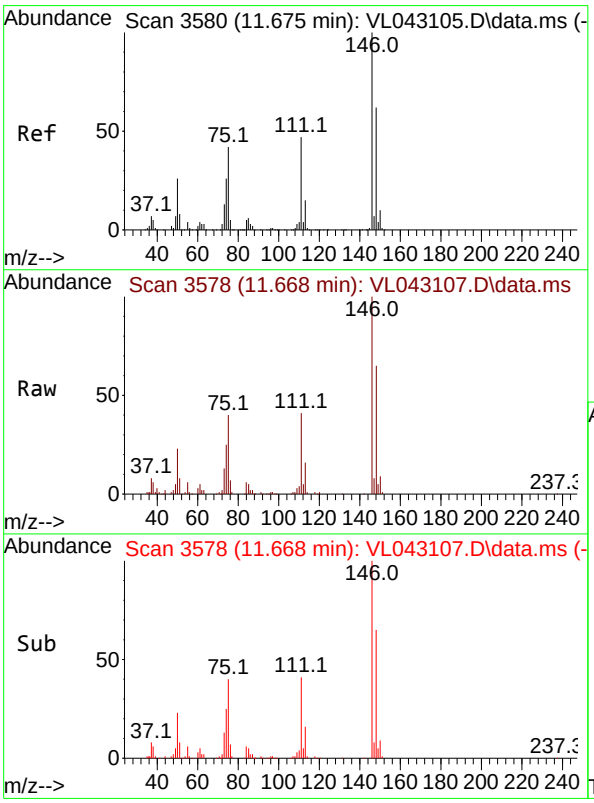
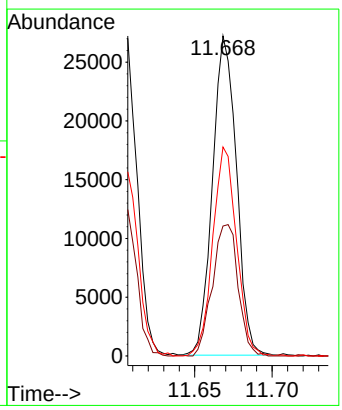
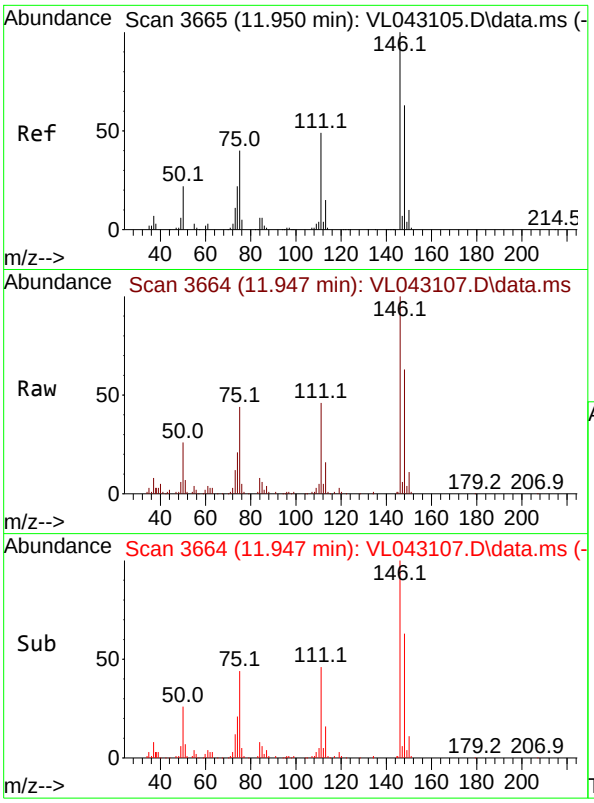


#76
1,4-Dichlorobenzene
Concen: 1.066 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:146 Resp: 29225

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.4	67.0
148	65.0	31.6	94.7

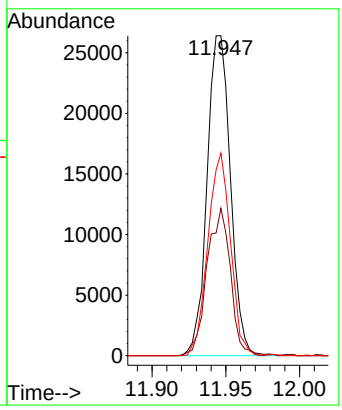




#77
1,2-Dichlorobenzene
Concen: 1.109 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:146 Resp: 2914

Ion	Ratio	Lower	Upper
146	100		
111	45.8	24.0	72.0
148	61.5	31.1	93.3



Instrument :
MSVOA_L
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VSTDICC001

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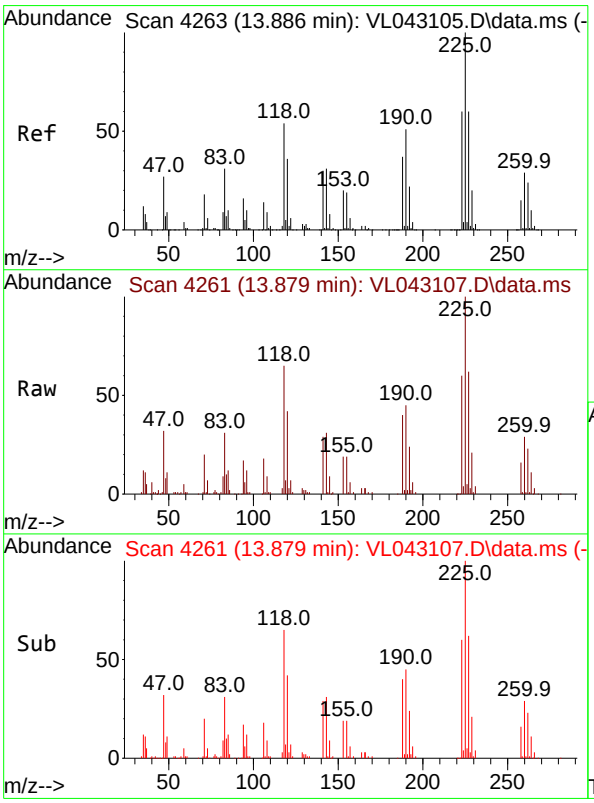
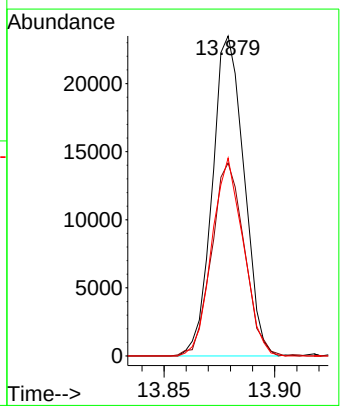
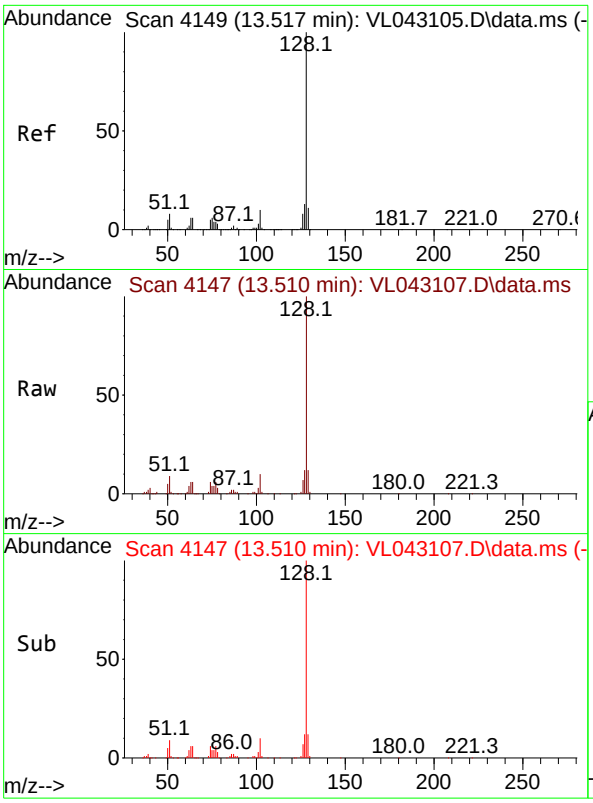


#78
Hexachloro-1,3-Butadiene
Concen: 1.146 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:225 Resp: 23330

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.2	75.4
227	61.6	49.6	74.4

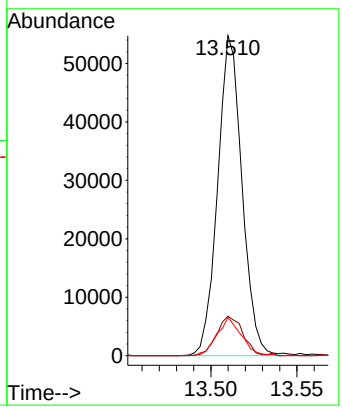




#79
Naphthalene
Concen: 1.114 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:128 Resp: 5393

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	12.0	9.1	13.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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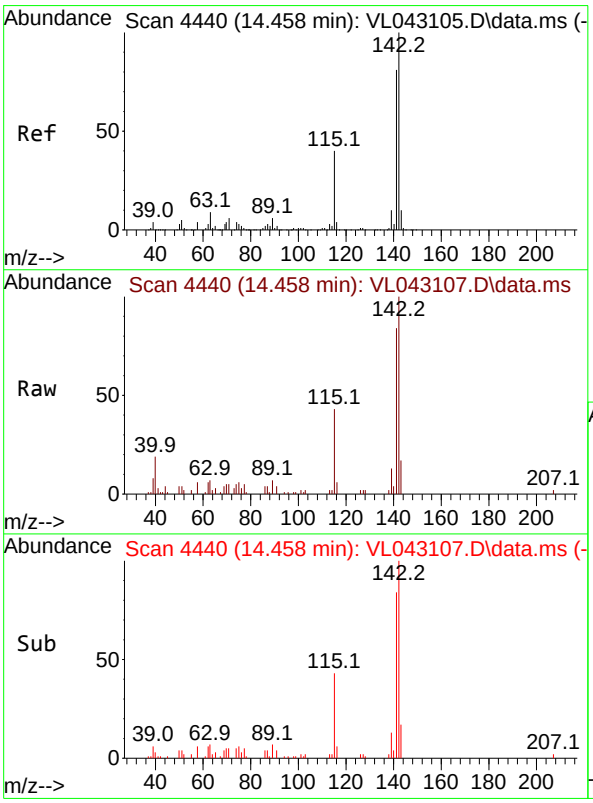
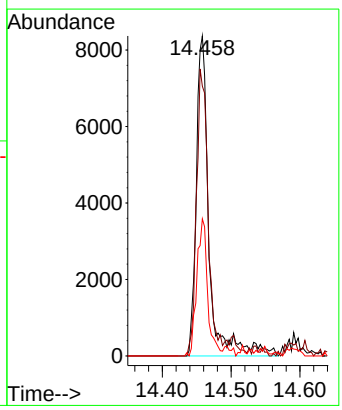
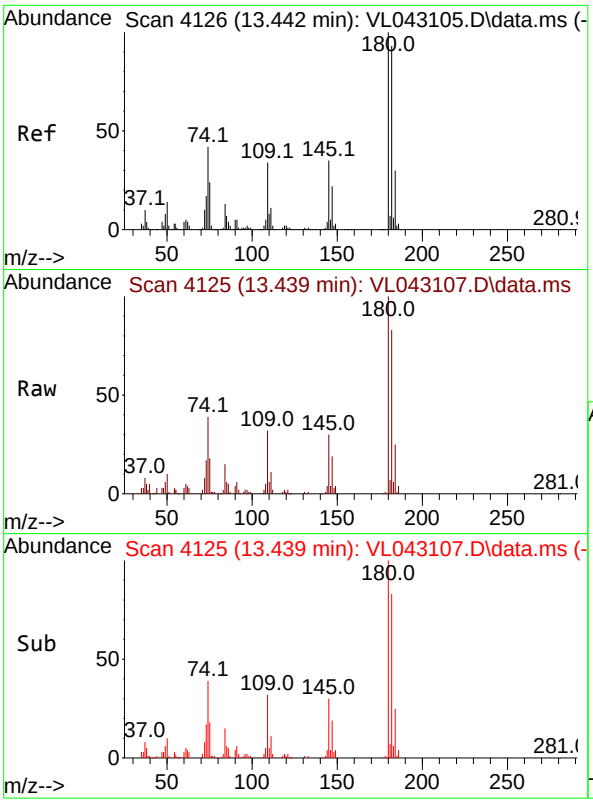


#80
Naphthalene,2-methyl-
Concen: 0.849 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:142 Resp: 10851

Ion	Ratio	Lower	Upper
142	100		
141	88.9	64.6	97.0
115	38.1	30.2	45.4

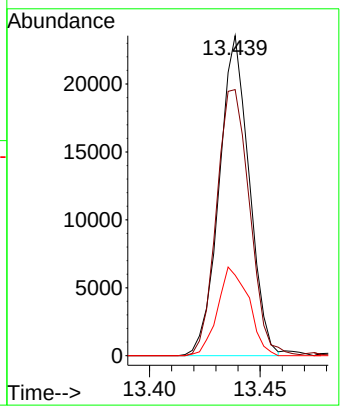




#81
1,2,4-Trichlorobenzene
Concen: 1.090 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:180 Resp: 2216

Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.5	113.3
184	28.8	23.9	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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

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

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

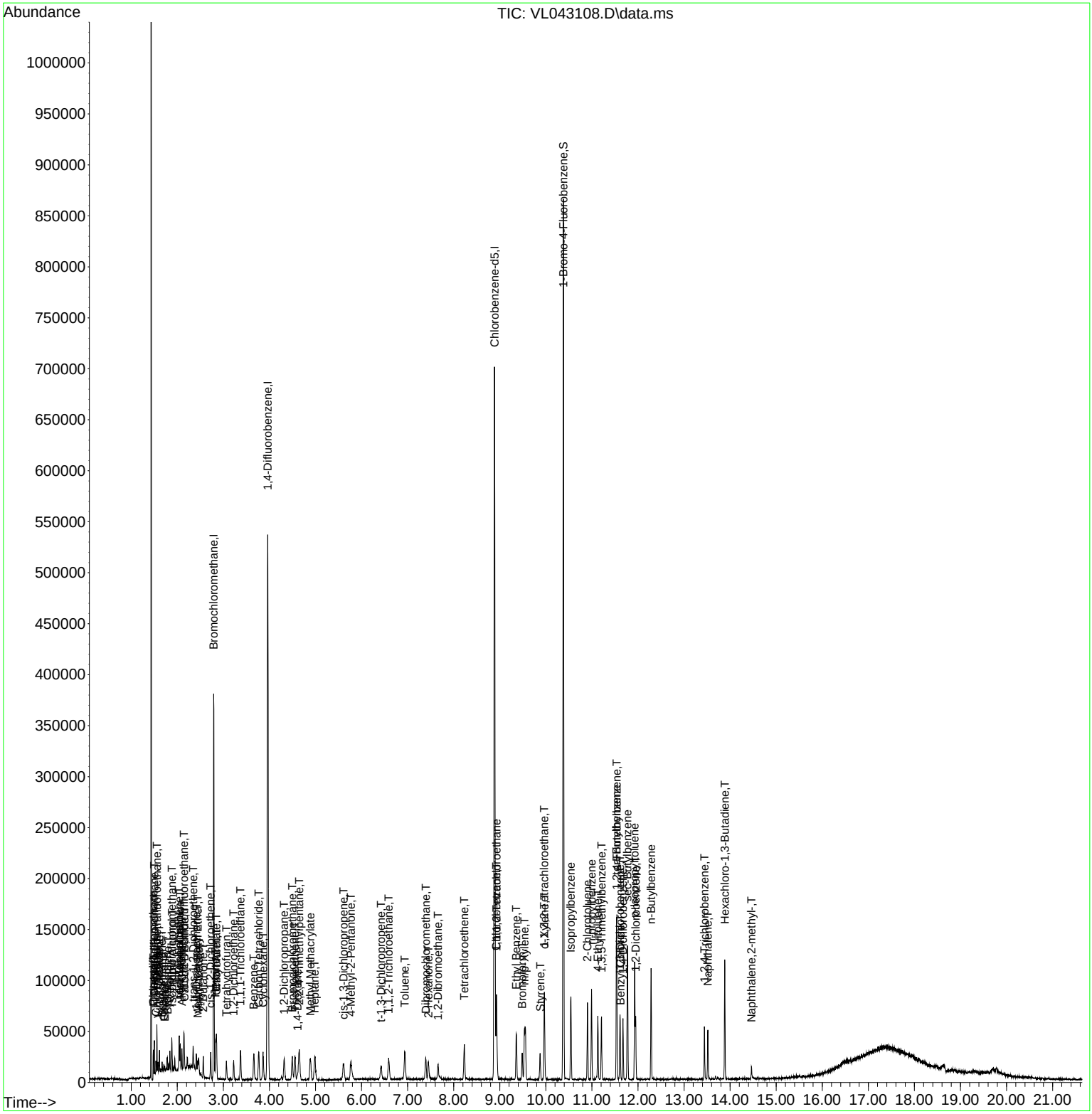
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043108.D
Acq On : 14 Oct 2025 12:34
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

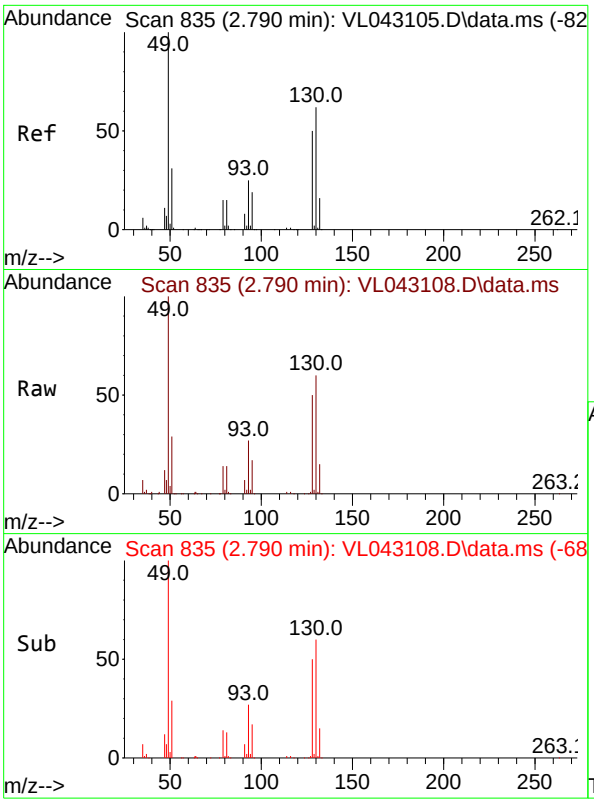
Quant Time: Oct 15 01:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

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

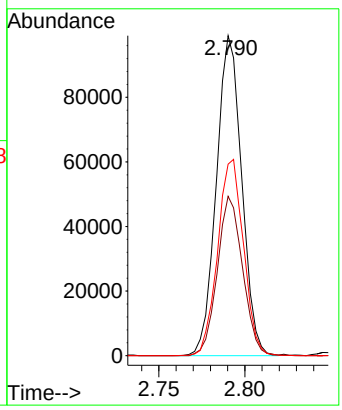




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 49 Resp: 10163

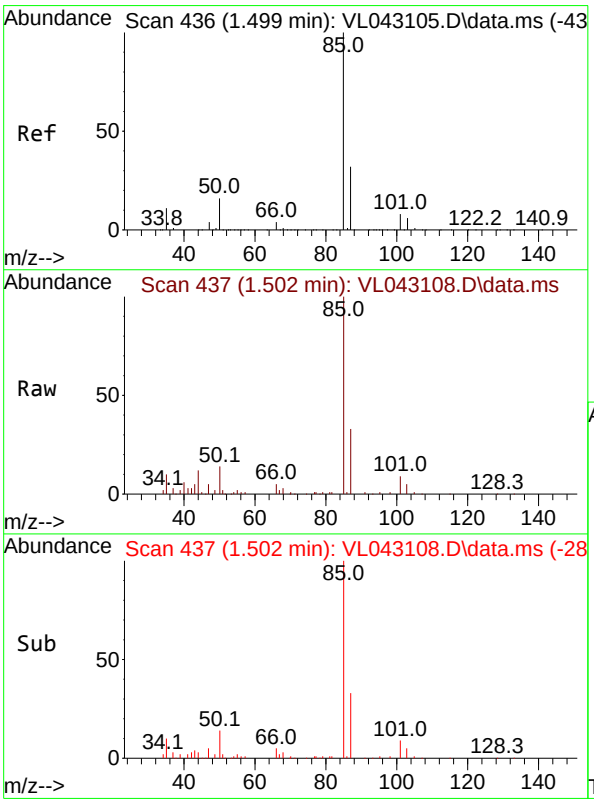
Ion	Ratio	Lower	Upper
49	100		
128	49.5	24.4	73.4
130	62.5	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

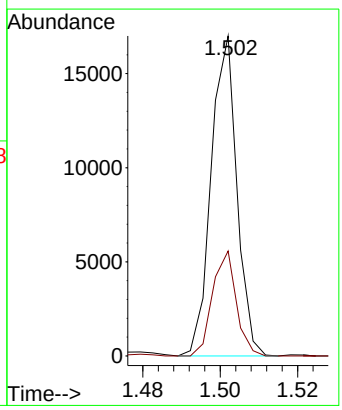
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

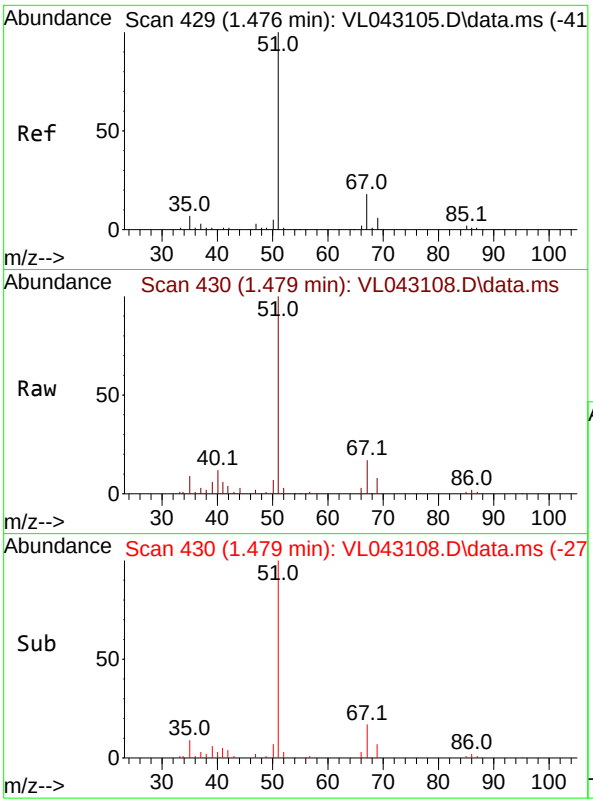


#2
Dichlorodifluoromethane
Concen: 0.543 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 85 Resp: 7851

Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.3	37.9

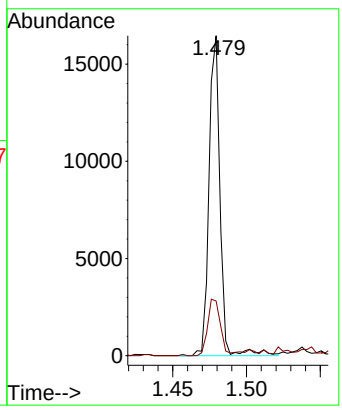




#3
Chlorodifluoromethane
Concen: 0.543 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 51 Resp: 849

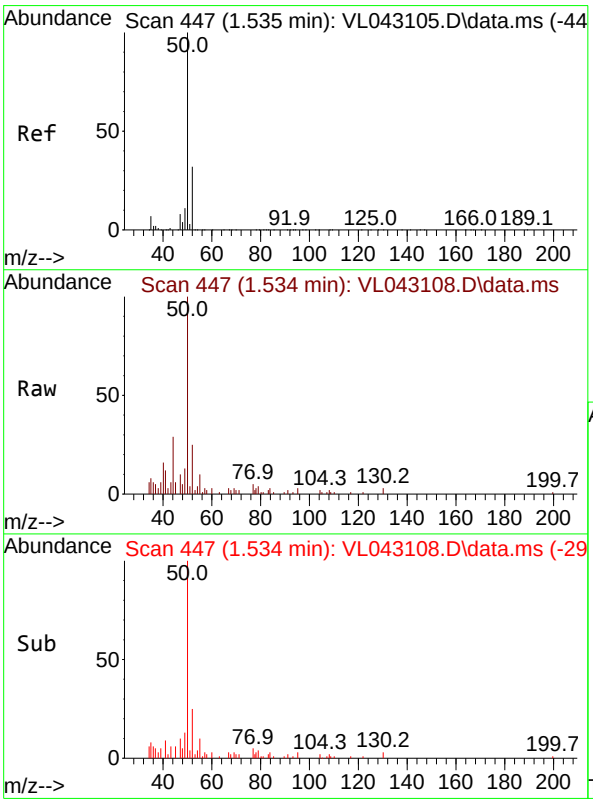
Ion	Ratio	Lower	Upper
51	100		
67	23.8	15.1	22.7#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

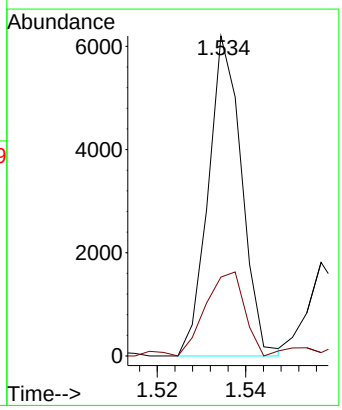
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

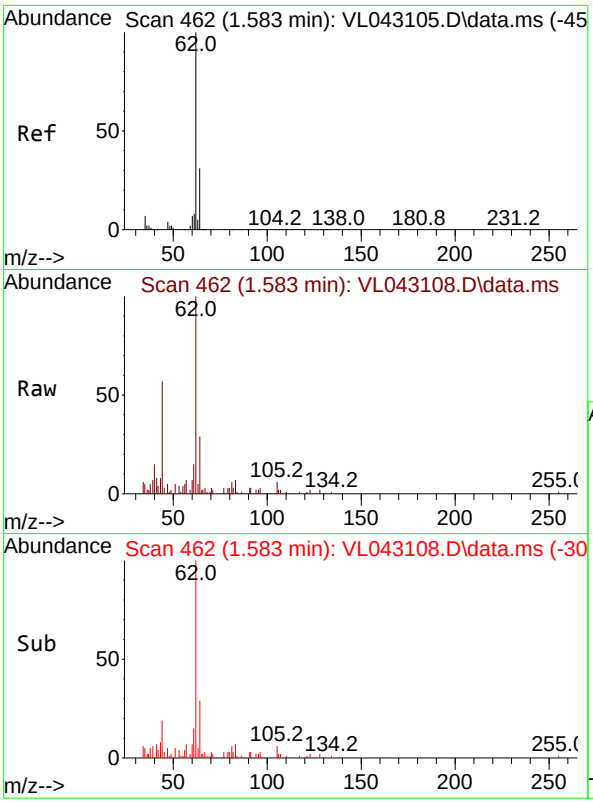


#4
Chloromethane
Concen: 0.568 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 50 Resp: 3254

Ion	Ratio	Lower	Upper
50	100		
52	24.7	25.2	37.8#

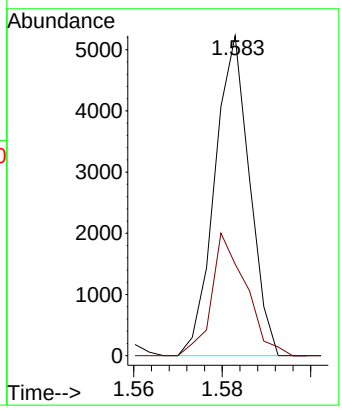




#5
Vinyl Chloride
Concen: 0.509 ppbv
RT: 1.583 min Scan# 4(
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 62 Resp: 285

Ion	Ratio	Lower	Upper
62	100		
64	28.6	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
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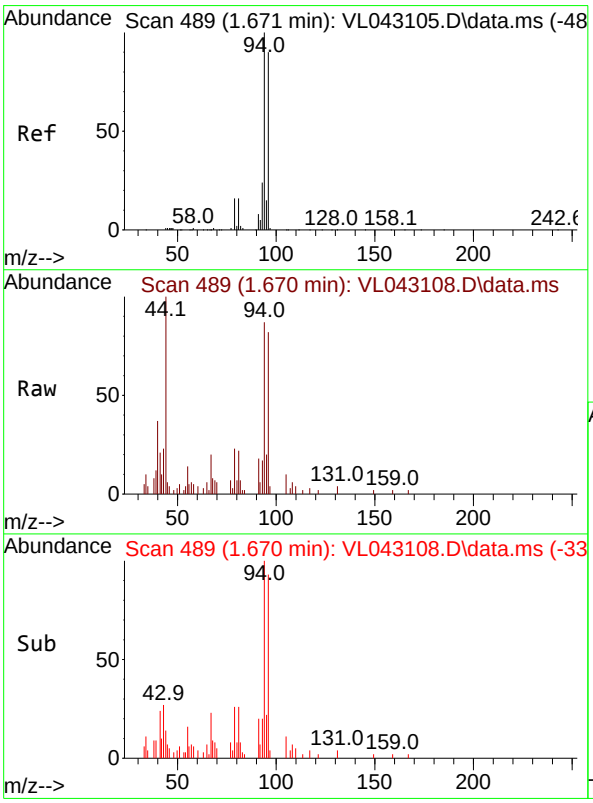
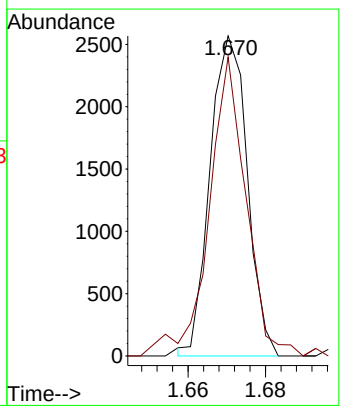
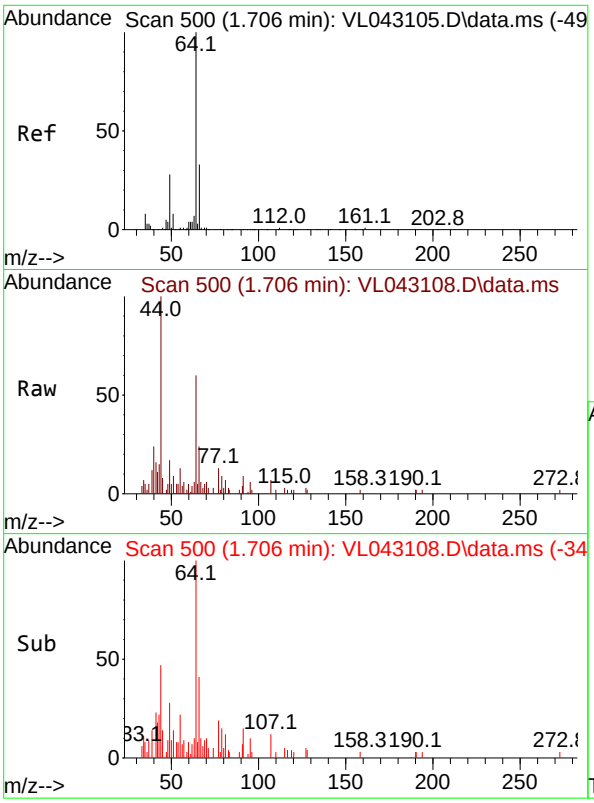


#6
Bromomethane
Concen: 0.555 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 94 Resp: 1709

Ion	Ratio	Lower	Upper
94	100		
96	89.9	72.2	108.4

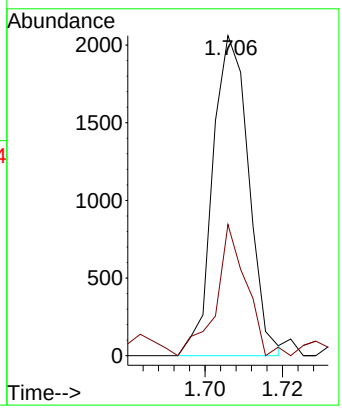




#7
Chloroethane
Concen: 0.578 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 64 Resp: 132

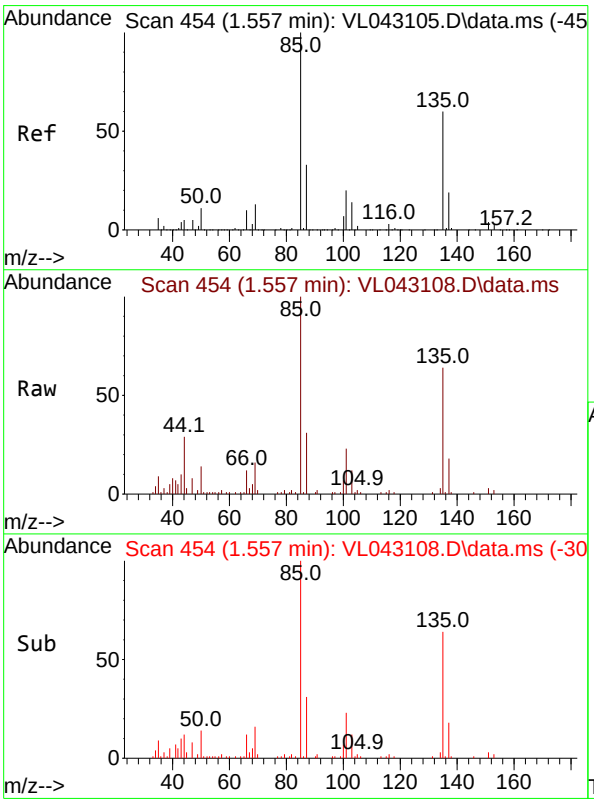
Ion	Ratio	Lower	Upper
64	100		
66	41.0	26.0	39.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

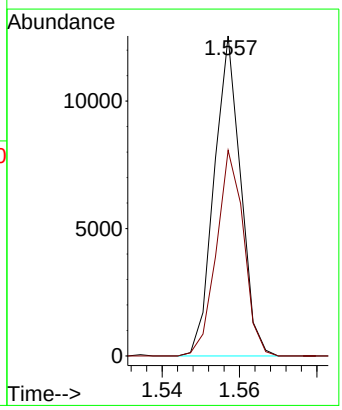
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

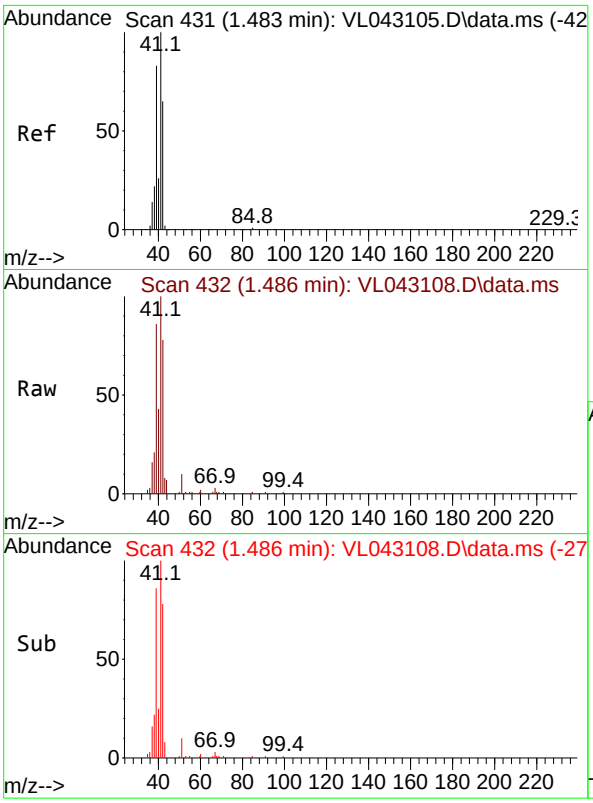


#8
Dichlorotetrafluoroethane
Concen: 0.511 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 85 Resp: 5970

Ion	Ratio	Lower	Upper
85	100		
135	66.3	48.2	72.4

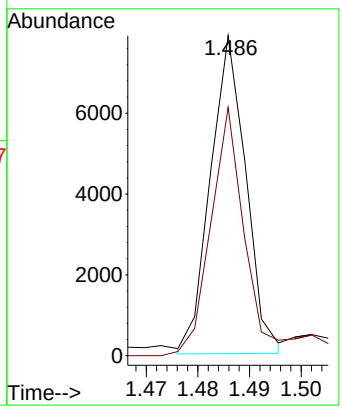




#9
Propene
Concen: 0.541 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 41 Resp: 375

Ion	Ratio	Lower	Upper
41	100		
42	75.0	55.1	82.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
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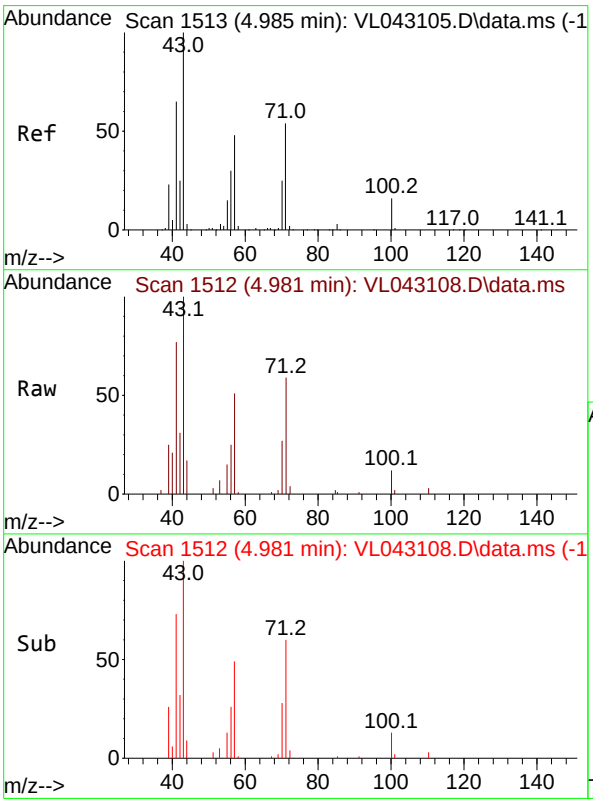
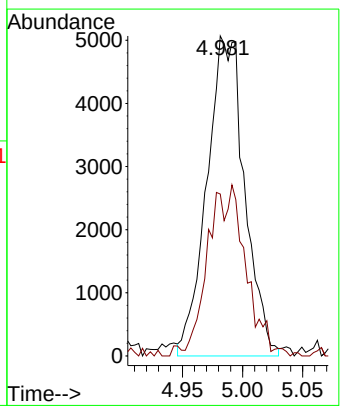
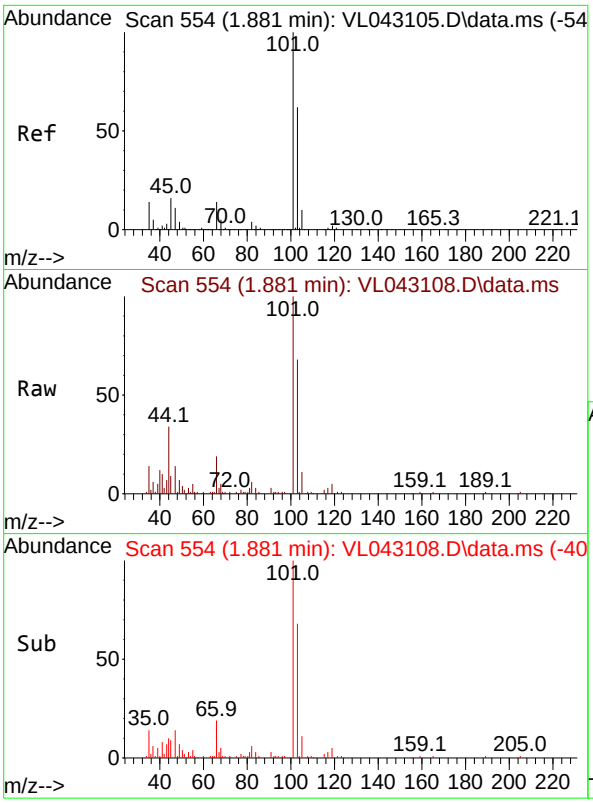


#10
Heptane
Concen: 0.558 ppbv m
RT: 4.981 min Scan# 1512
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 11097

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.8	61.2#





#11
Trichlorofluoromethane
Concen: 0.543 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

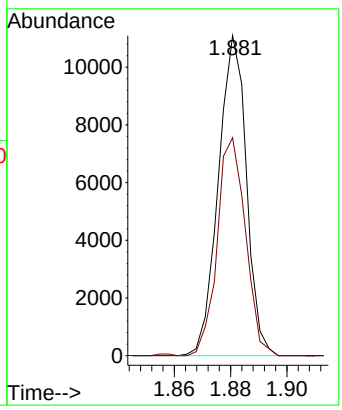
Tgt Ion:101 Resp: 767

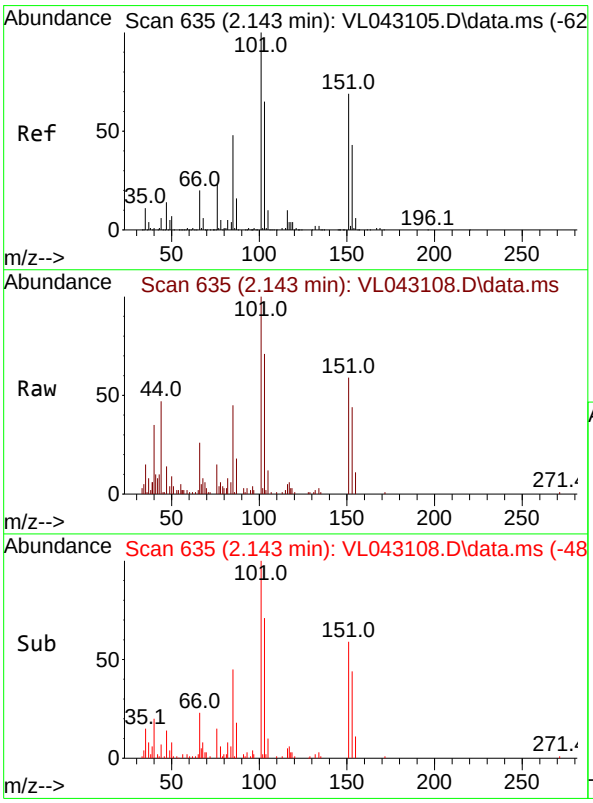
Ion	Ratio	Lower	Upper
101	100		
103	68.1	49.3	73.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

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

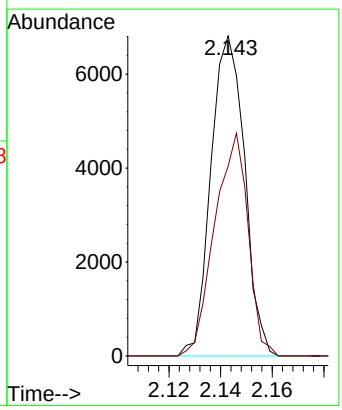


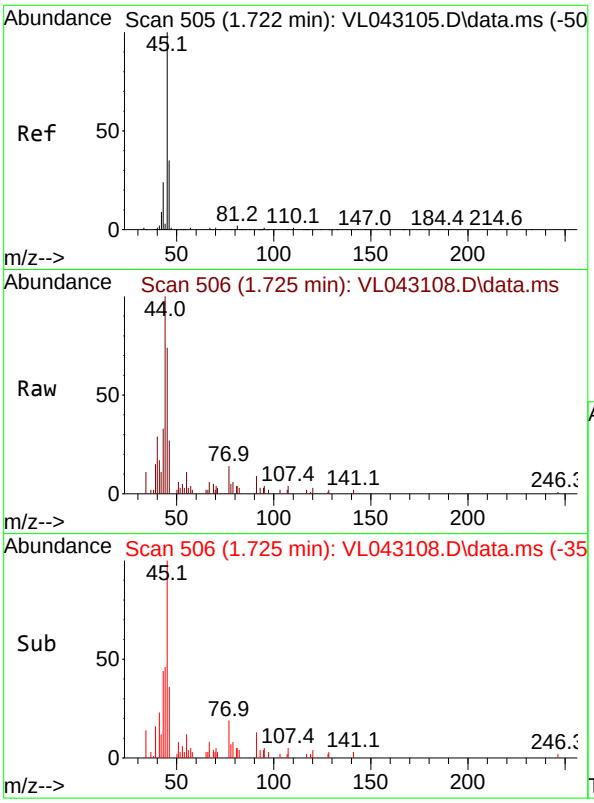


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.543 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:101 Resp: 6173

Ion	Ratio	Lower	Upper
101	100		
151	68.8	54.7	82.1

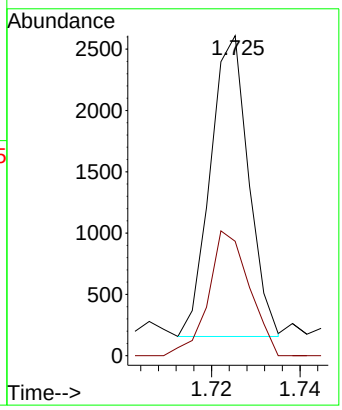




#13
Ethanol
Concen: 0.572 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 45 Resp: 146

Ion	Ratio	Lower	Upper
45	100		
46	45.1	14.7	58.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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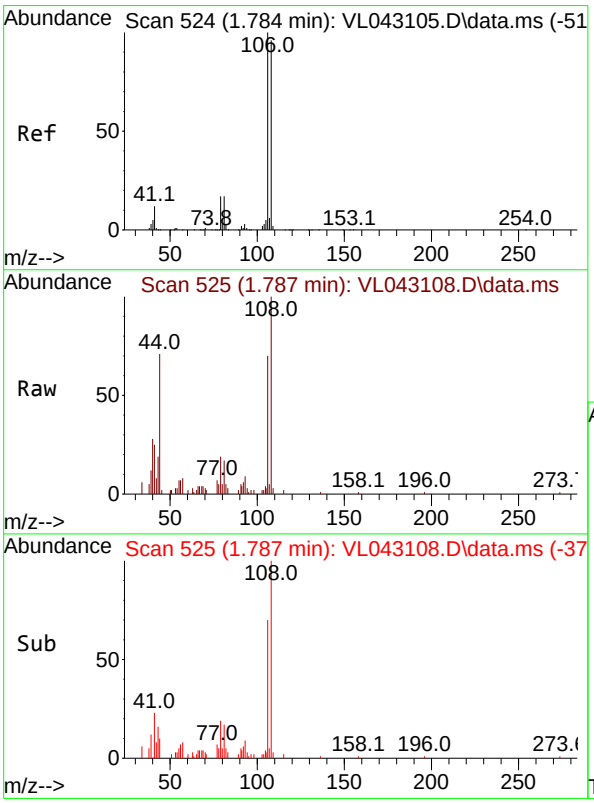
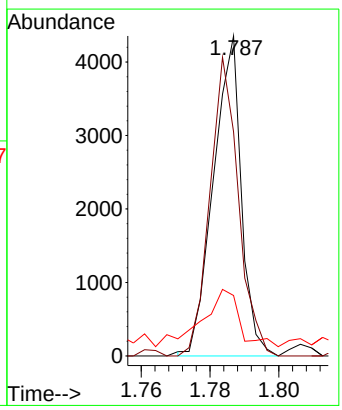
Supervised By :Mahesh Dadoda 10/16/2025

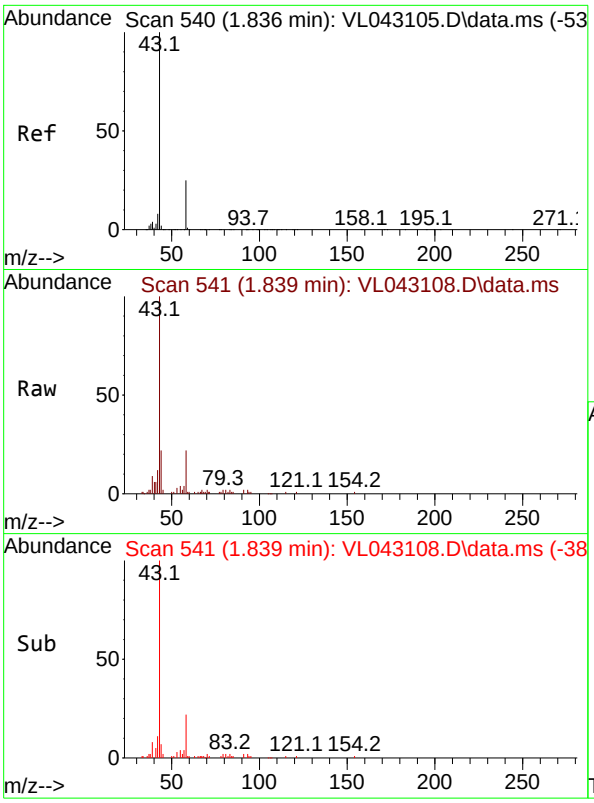


#14
Bromoethene
Concen: 0.578 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:108 Resp: 2444

Ion	Ratio	Lower	Upper
108	100		
106	98.2	84.4	126.6
79	31.2	15.3	22.9#





#15
Acetone
Concen: 0.576 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 793

Ion	Ratio	Lower	Upper
43	100		
58	32.0	20.8	31.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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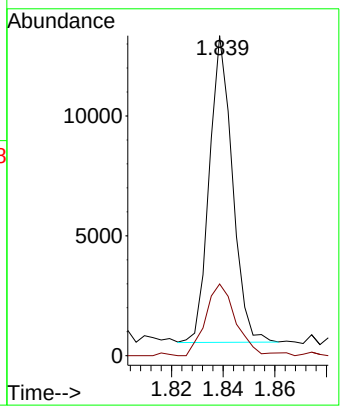
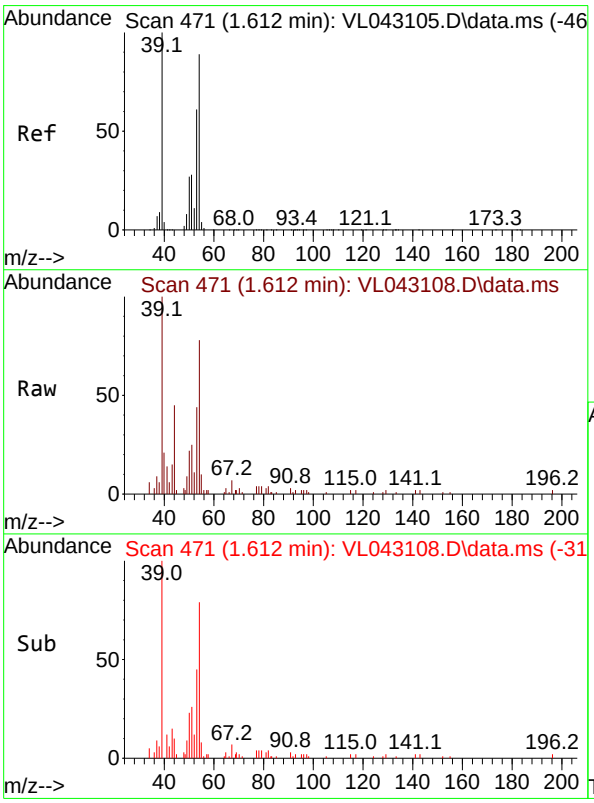
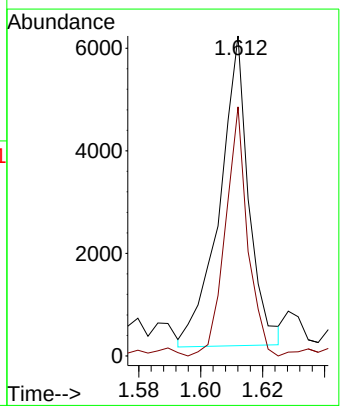


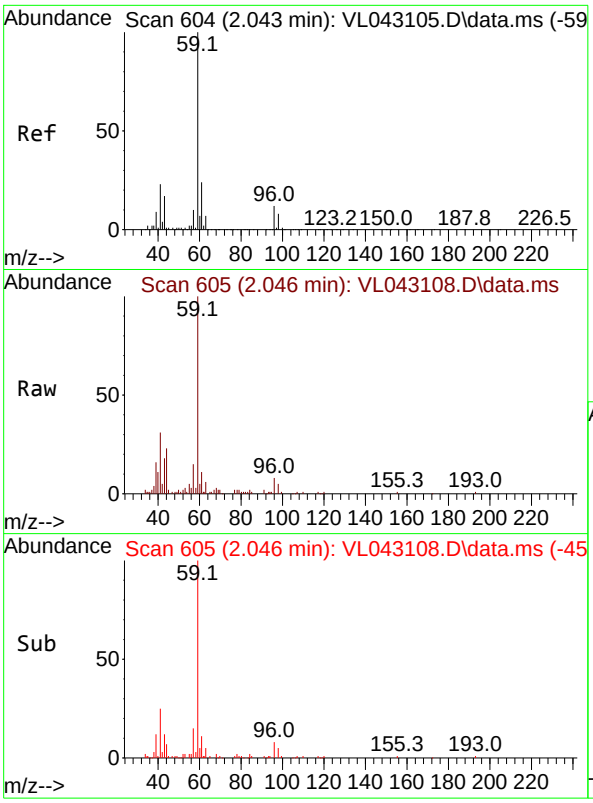


#16
1,3-Butadiene
Concen: 0.607 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 39 Resp: 3962

Ion	Ratio	Lower	Upper
39	100		
54	66.1	59.0	88.4

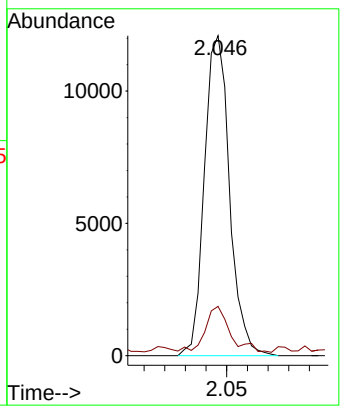




#17
tert-Butyl alcohol
Concen: 0.543 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 59 Resp: 1021

Ion	Ratio	Lower	Upper
59	100		
57	14.8	8.2	12.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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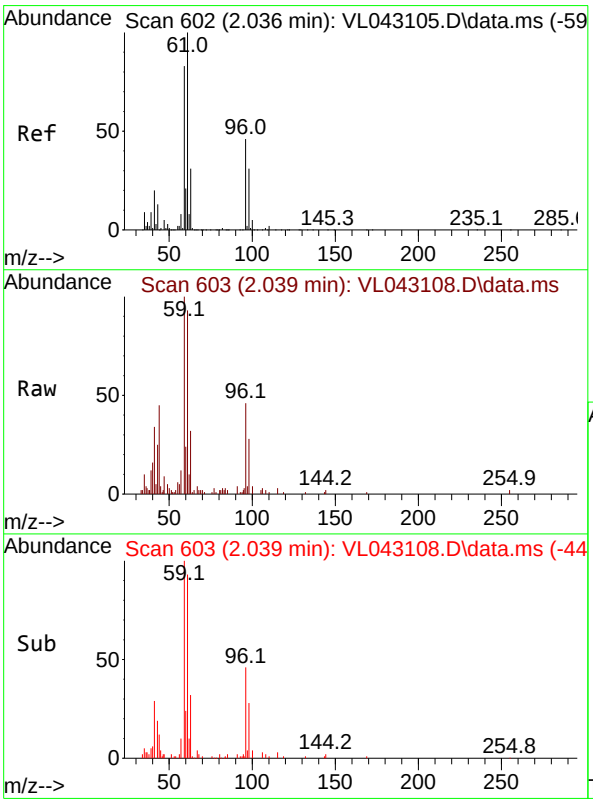
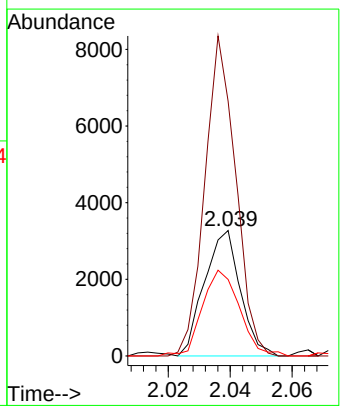
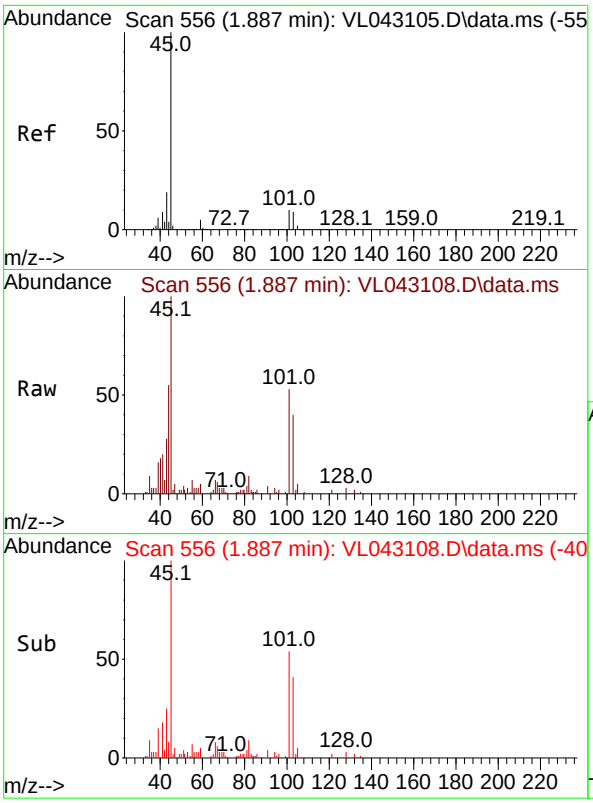


#18
1,1-Dichloroethene
Concen: 0.531 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 96 Resp: 2636

Ion	Ratio	Lower	Upper
96	100		
61	203.1	173.4	260.0
98	59.2	53.2	79.8

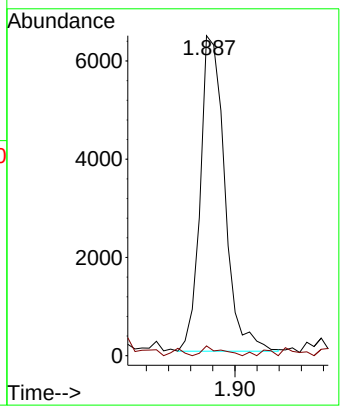




#19
Isopropyl Alcohol
Concen: 0.578 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 45 Resp: 493

Ion	Ratio	Lower	Upper
45	100		
58	4.1	31.3	46.9#



Instrument :
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ClientSampleId :
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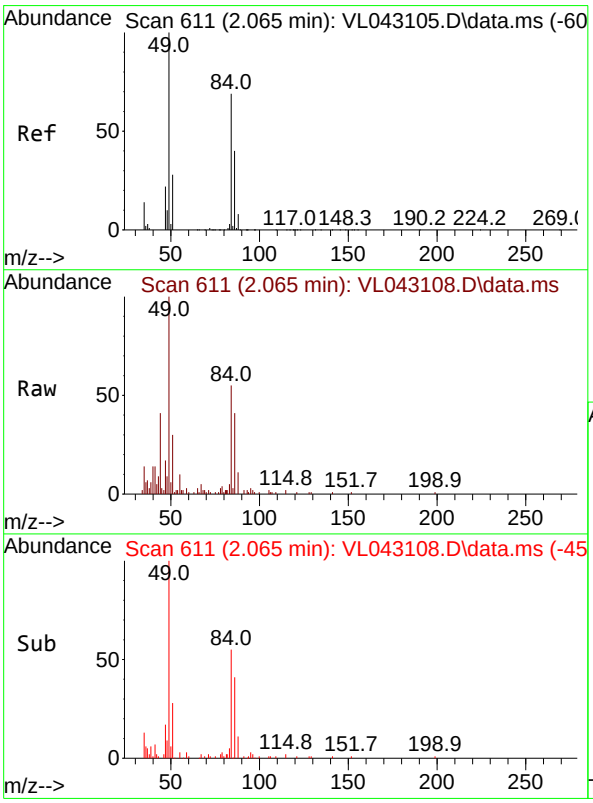
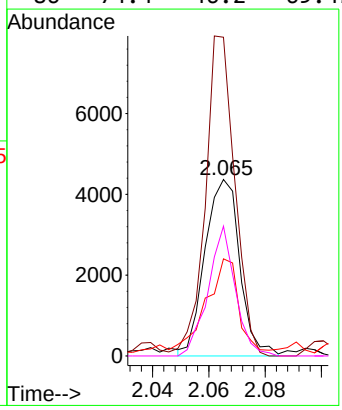
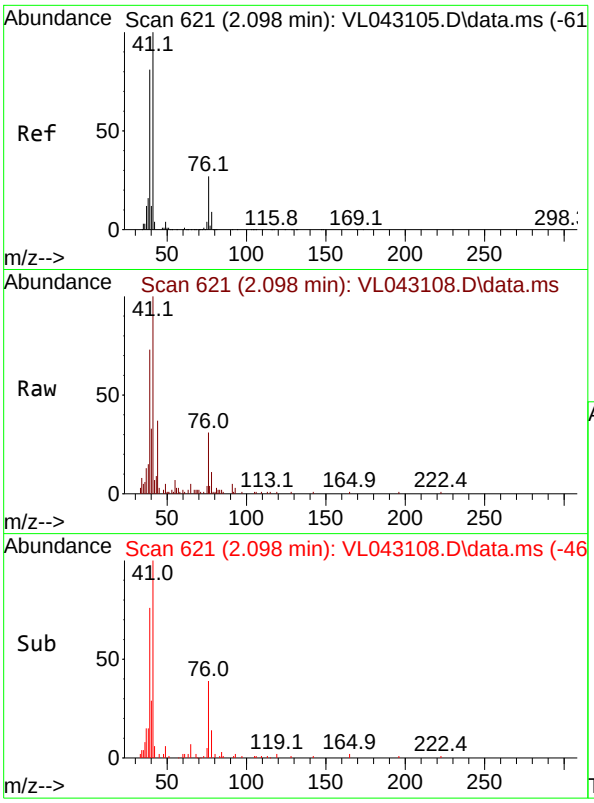


#20
Methylene Chloride
Concen: 0.693 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 84 Resp: 3750

Ion	Ratio	Lower	Upper
84	100		
49	182.8	116.6	175.0#
51	51.9	34.8	52.2
86	74.4	46.2	69.4#

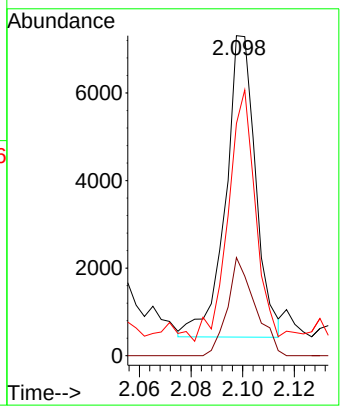




#21
Allyl Chloride
Concen: 0.551 ppbv
RT: 2.098 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 41 Resp: 557

Ion	Ratio	Lower	Upper
41	100		
76	30.0	21.5	32.3
39	75.1	60.8	91.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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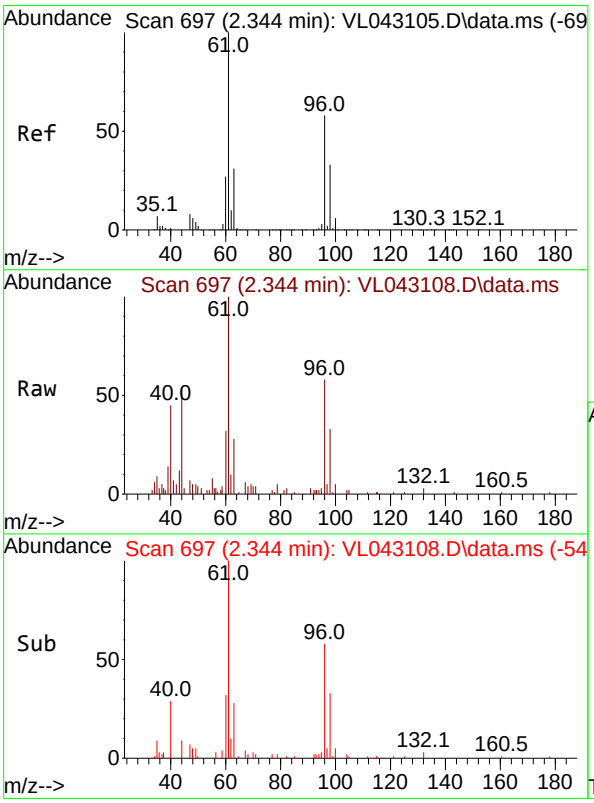
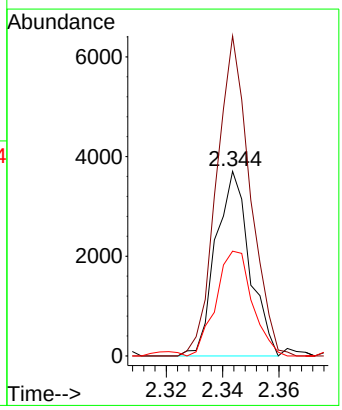
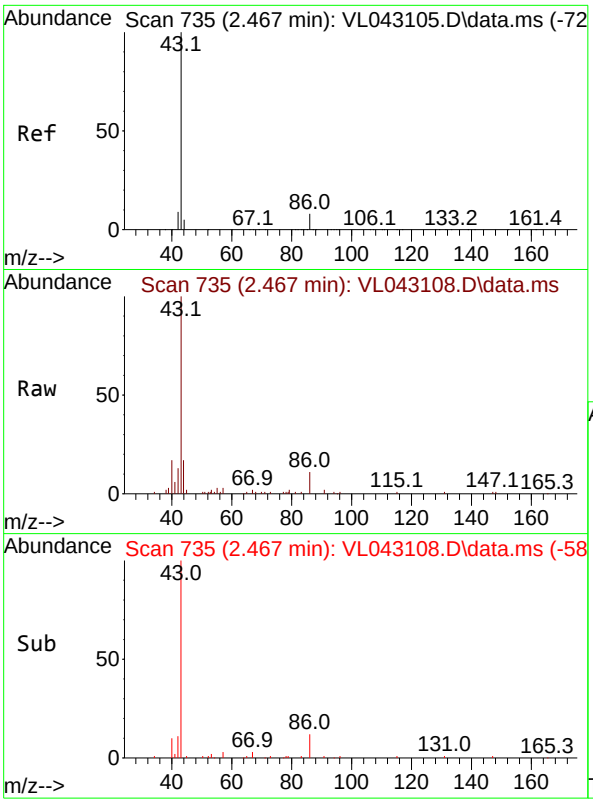


#22
trans-1,2-Dichloroethene
Concen: 0.522 ppbv
RT: 2.344 min Scan# 697
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 96 Resp: 3093

Ion	Ratio	Lower	Upper
96	100		
61	173.3	137.0	205.6
98	55.0	45.5	68.3

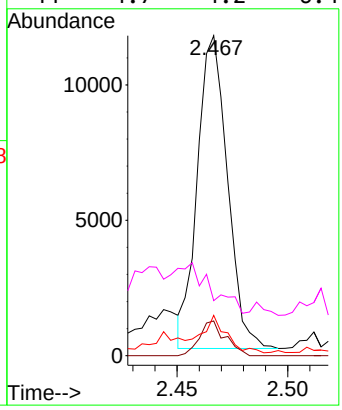




#23
Vinyl Acetate
Concen: 0.544 ppbv
RT: 2.467 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 1091

Ion	Ratio	Lower	Upper
43	100		
86	11.1	6.2	9.2
42	9.0	7.6	11.4
44	4.7	4.2	6.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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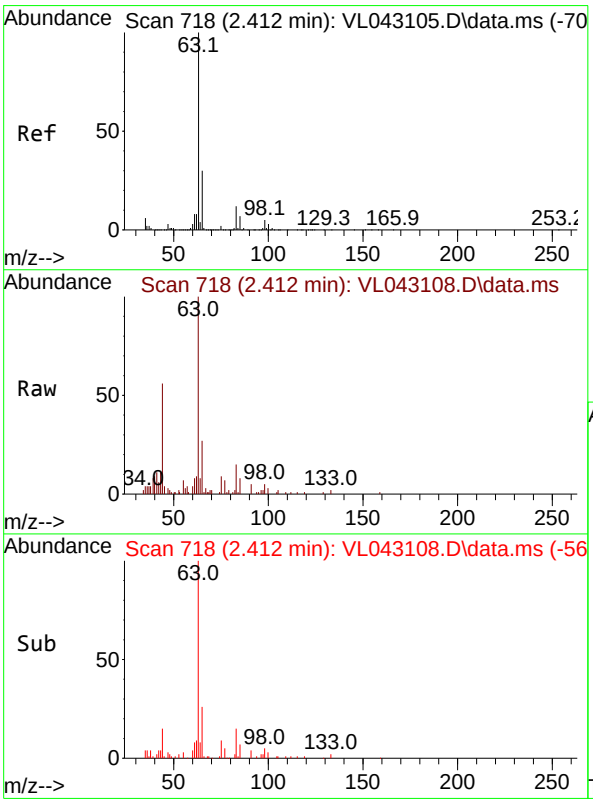
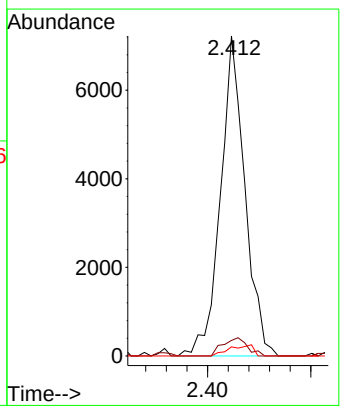
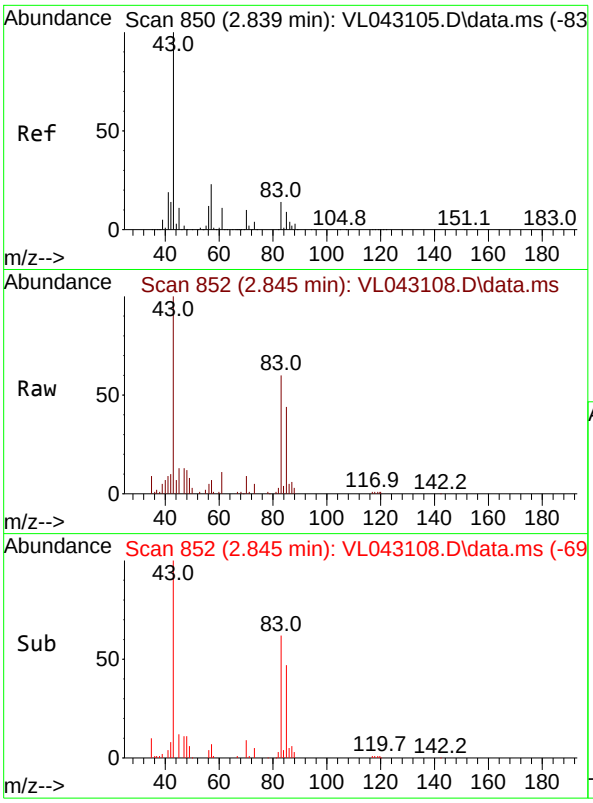


#24
1,1-Dichloroethane
Concen: 0.519 ppbv
RT: 2.412 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 63 Resp: 5942

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.6	7.8
100	2.8	1.5	4.4

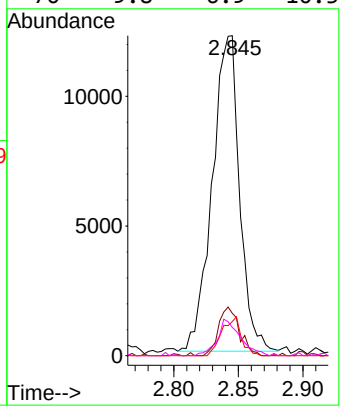




#25
Ethyl Acetate
Concen: 0.527 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 1791

Ion	Ratio	Lower	Upper
43	100		
45	12.3	7.8	11.8
61	8.8	7.0	10.6
70	9.8	6.9	10.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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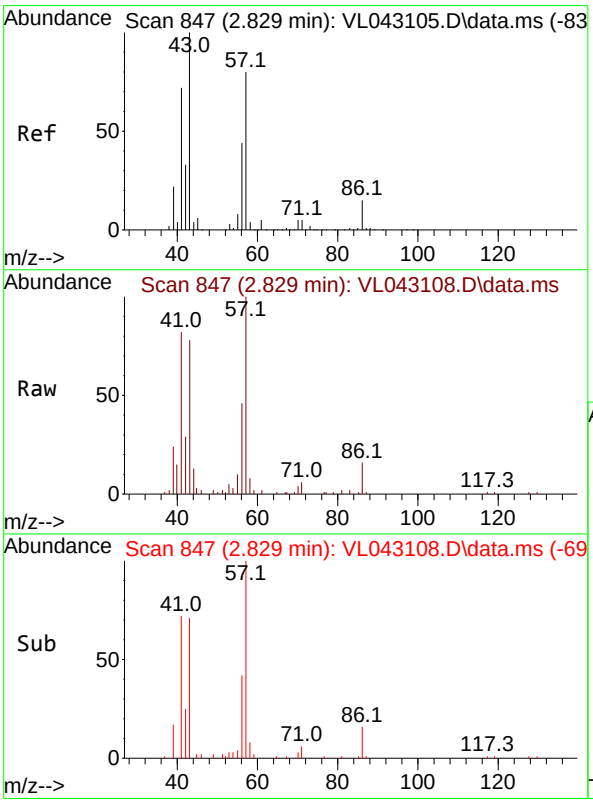
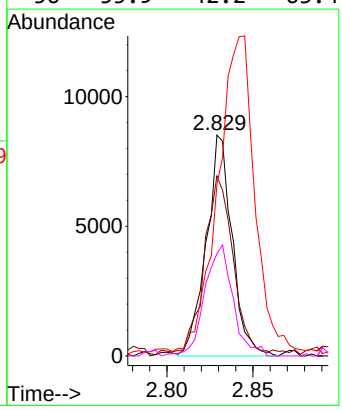
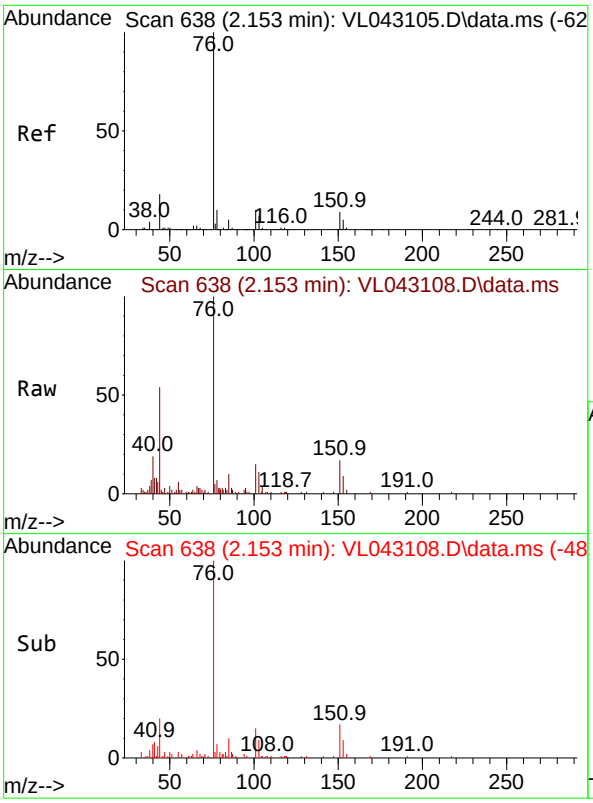


#26
Hexane
Concen: 0.569 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 57 Resp: 8908

Ion	Ratio	Lower	Upper
57	100		
41	90.3	71.4	107.0
43	211.8	178.5	267.7
56	55.9	42.2	63.4





#27
Carbon Disulfide
Concen: 0.504 ppbv
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 76 Resp: 723

Ion	Ratio	Lower	Upper
76	100		
44	120.9	16.7	25.1#
78	13.9	9.3	13.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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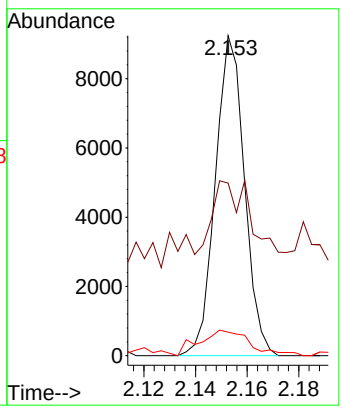
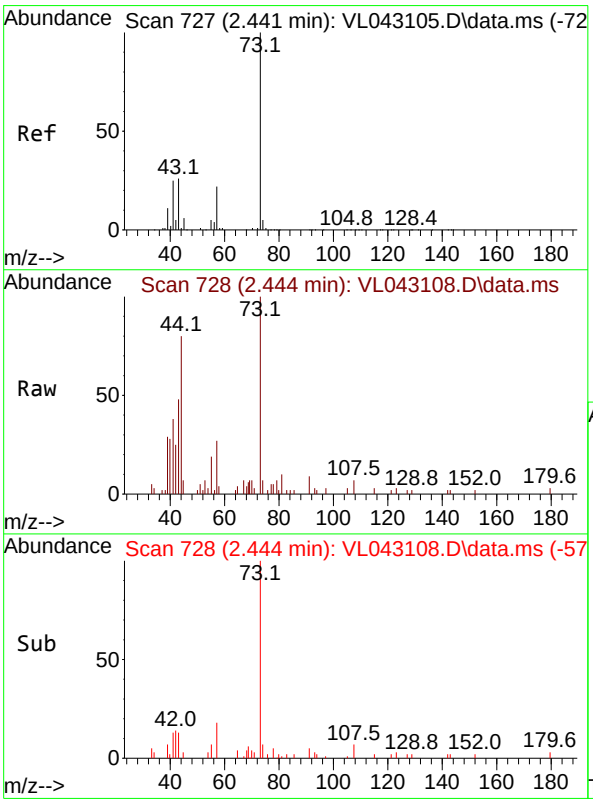
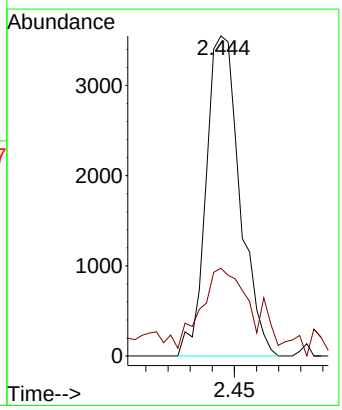


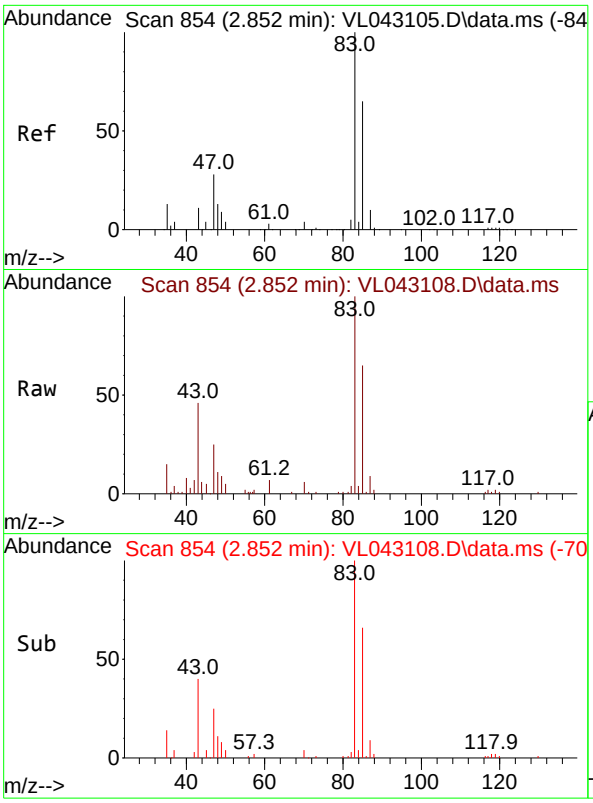


#28
Methyl tert-Butyl Ether
Concen: 0.529 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 73 Resp: 3770

Ion	Ratio	Lower	Upper
73	100		
57	52.7	20.5	30.7#

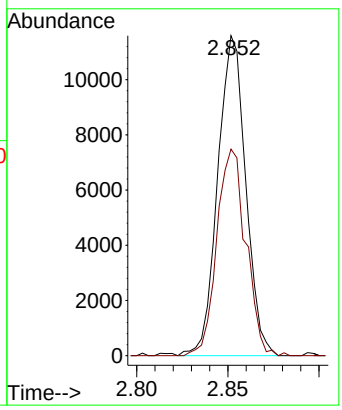




#29
Chloroform
Concen: 0.546 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 83 Resp: 1238

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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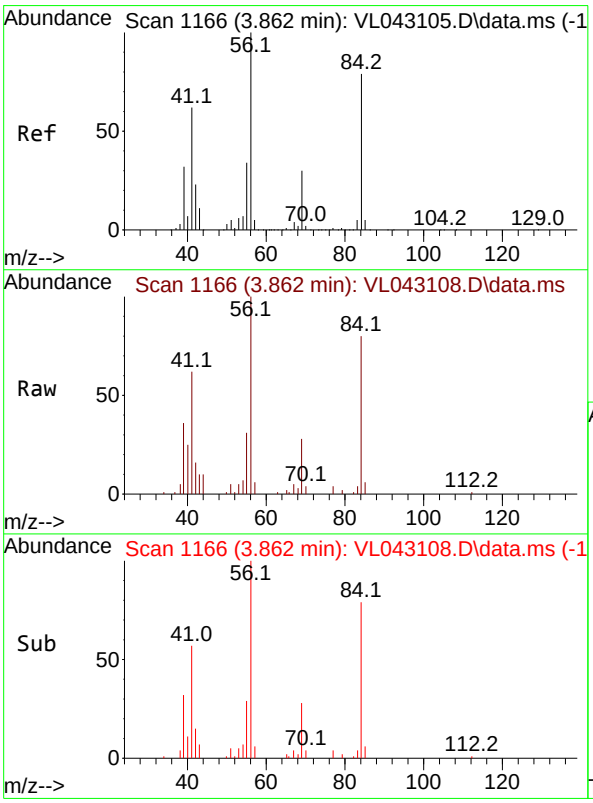
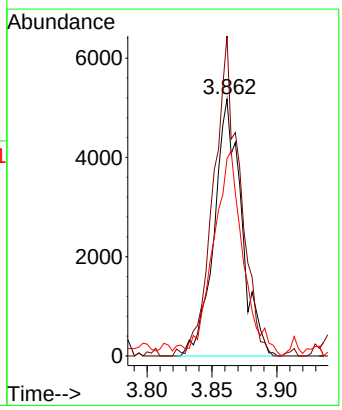
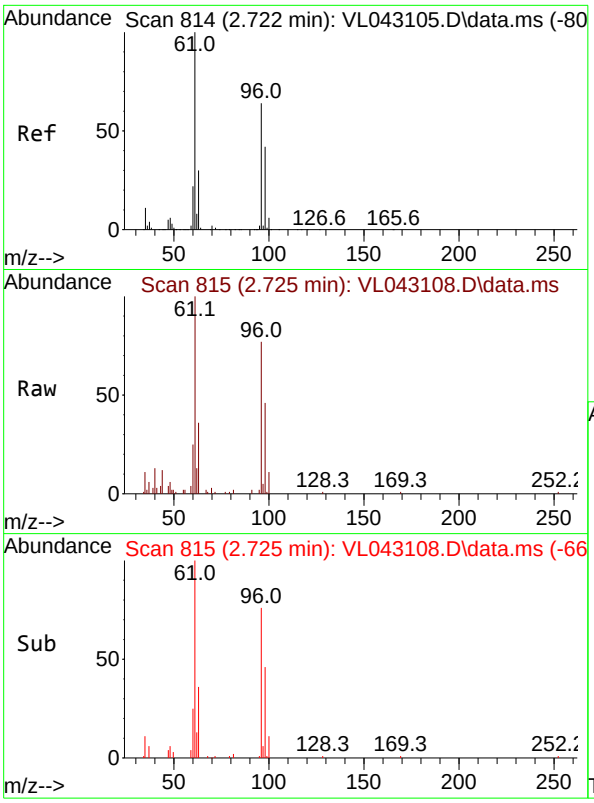


#30
Cyclohexane
Concen: 0.556 ppbv m
RT: 3.862 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 84 Resp: 7586

Ion	Ratio	Lower	Upper
84	100		
56	121.2	100.9	151.3
41	91.7	63.8	95.6

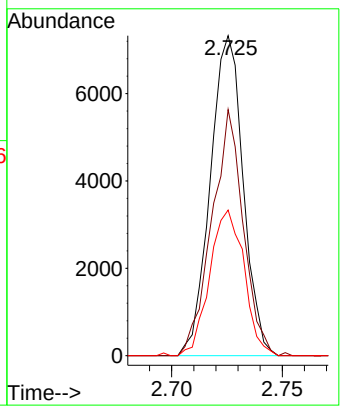




#31
cis-1,2-Dichloroethene
Concen: 0.507 ppbv
RT: 2.725 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 61 Resp: 757

Ion	Ratio	Lower	Upper
61	100		
96	76.9	51.0	76.6
98	45.5	33.5	50.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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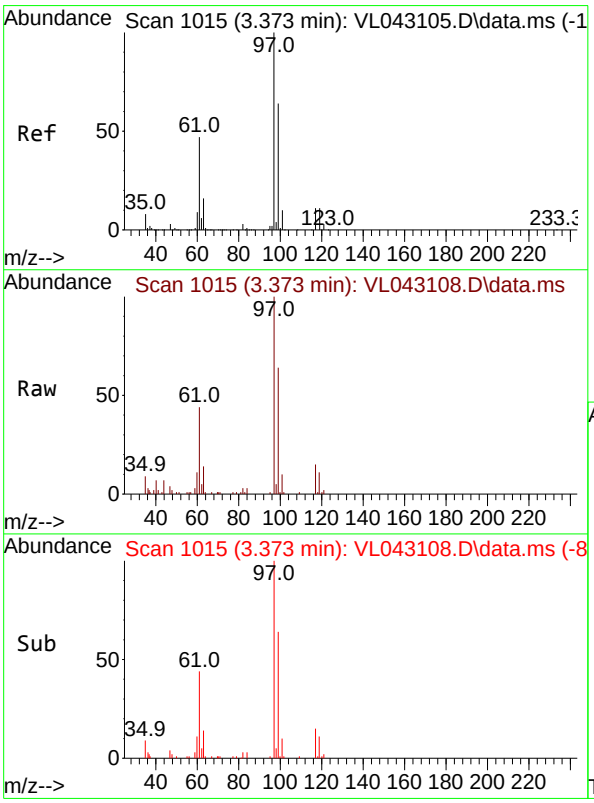
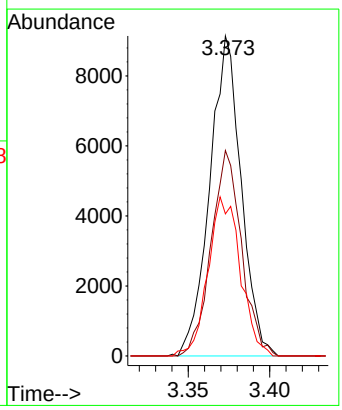
Supervised By :Mahesh Dadoda 10/16/2025

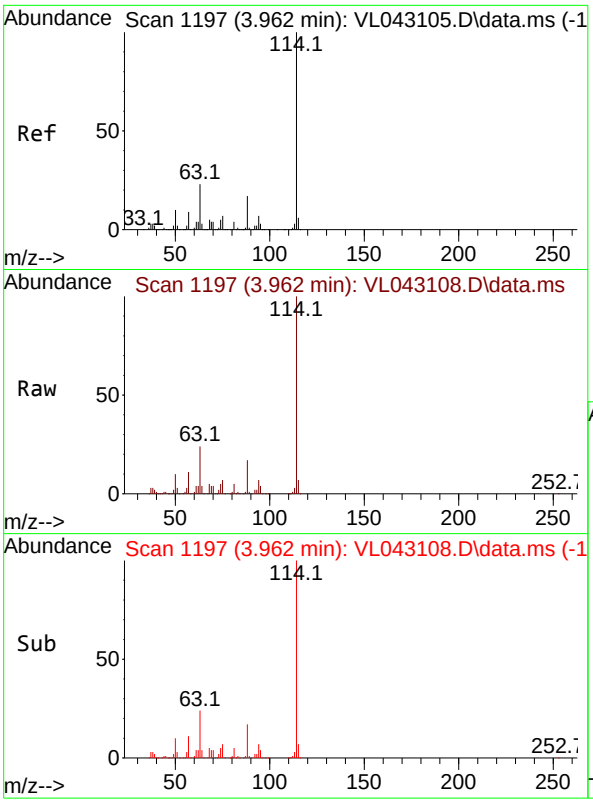


#32
1,1,1-Trichloroethane
Concen: 0.518 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 97 Resp: 12234

Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.3	76.9
61	51.2	38.4	57.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:114 Resp: 33618

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.3	28.9
88	17.9	13.9	20.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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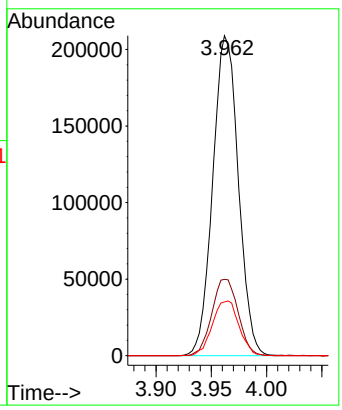
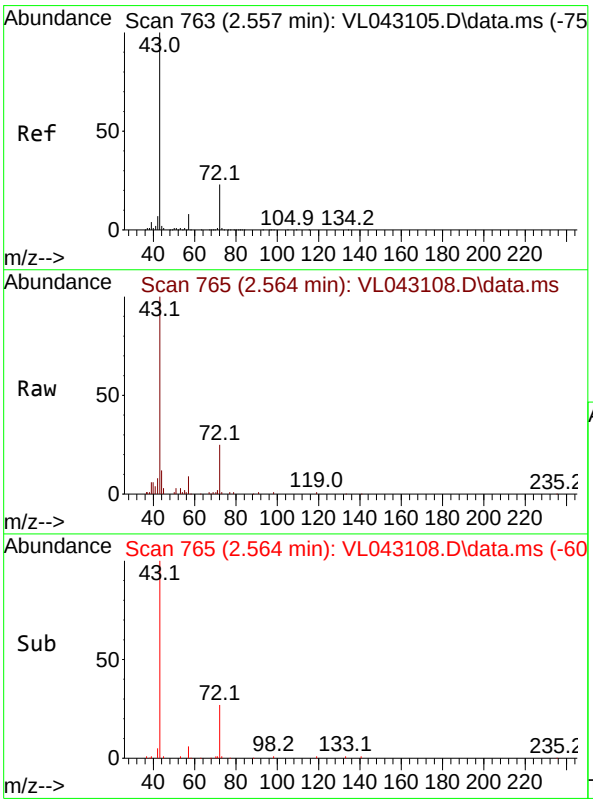
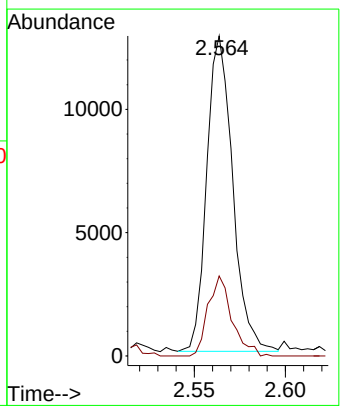


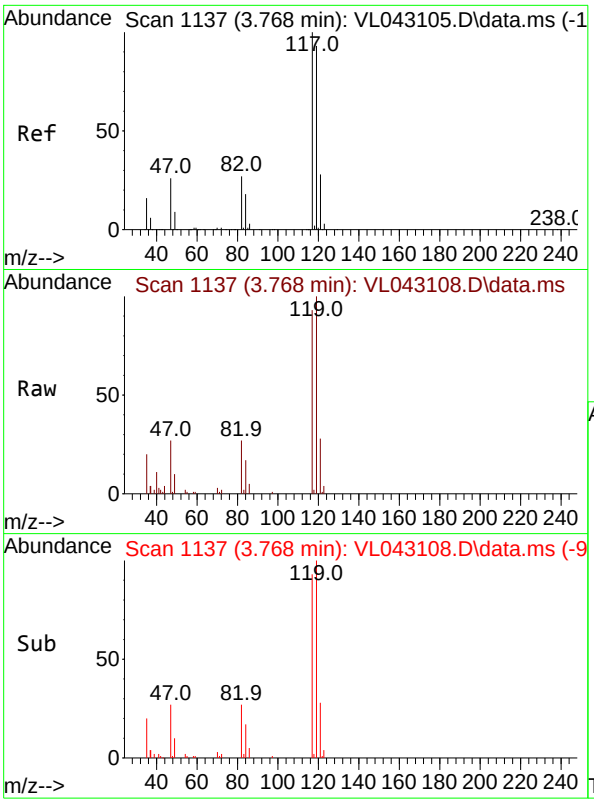


#34
2-Butanone
Concen: 0.557 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 12659

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.4	27.6

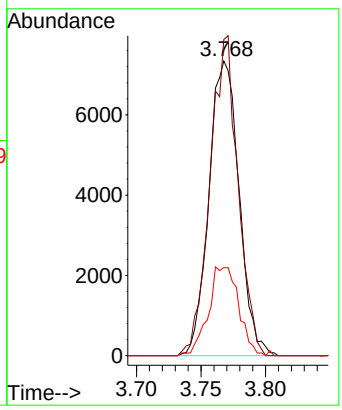




#35
Carbon Tetrachloride
Concen: 0.494 ppbv
RT: 3.768 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:117 Resp: 1193

Ion	Ratio	Lower	Upper
117	100		
119	107.3	74.1	111.1
121	29.9	22.2	33.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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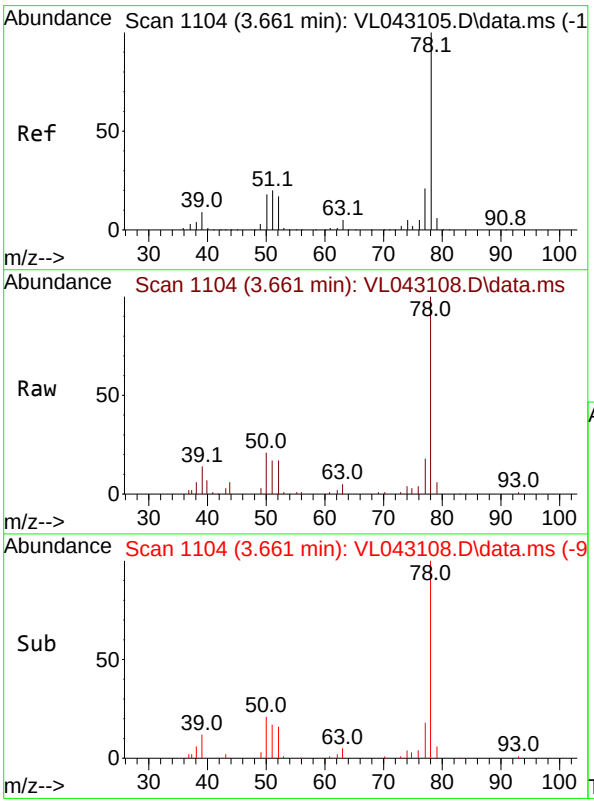
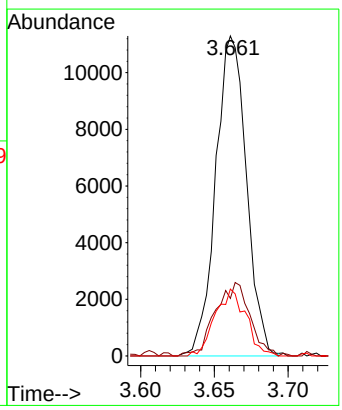
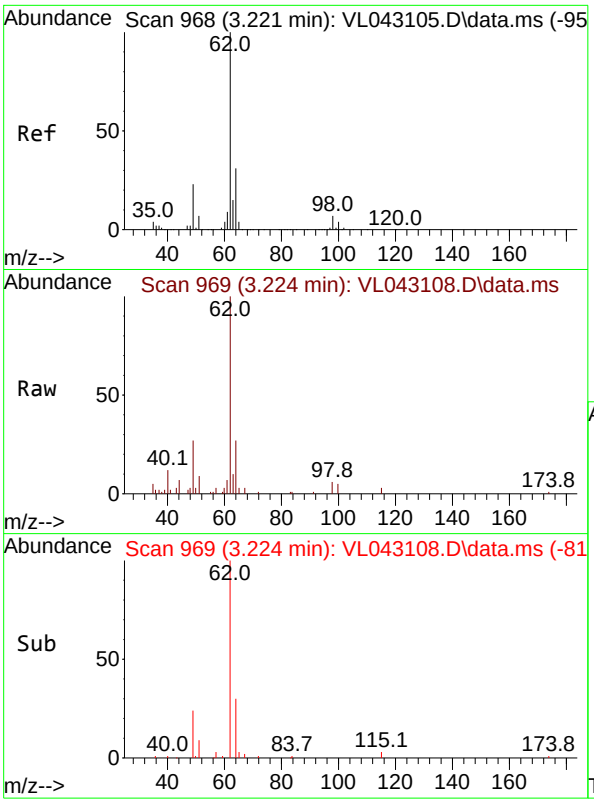


#36
Benzene
Concen: 0.517 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 78 Resp: 16376

Ion	Ratio	Lower	Upper
78	100		
77	18.0	17.0	25.6
50	20.9	14.6	22.0

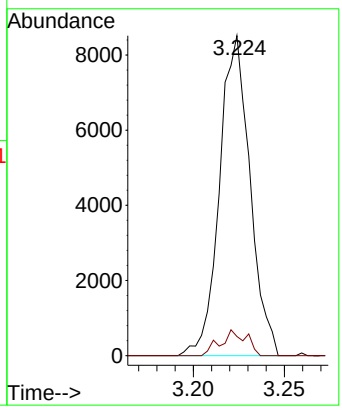




#37
1,2-Dichloroethane
Concen: 0.543 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 62 Resp: 990

Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.8	8.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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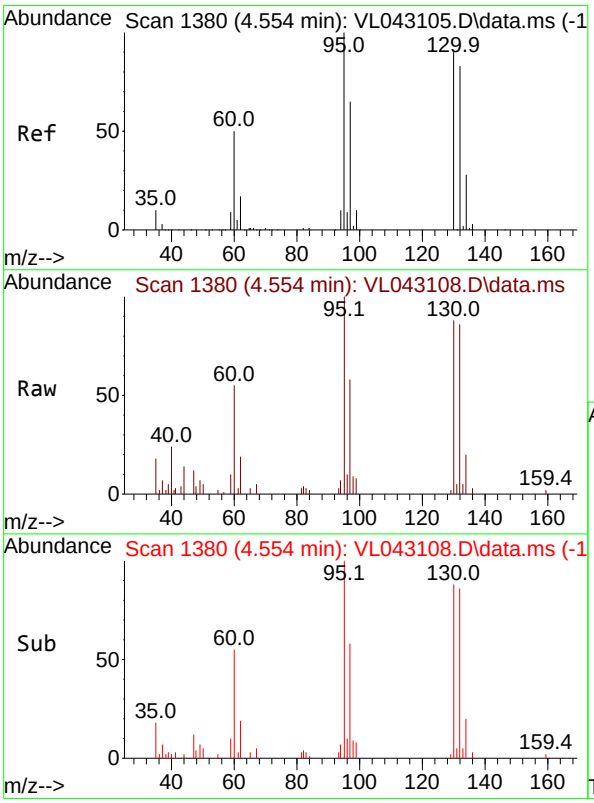
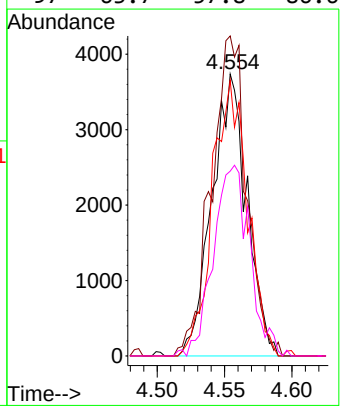
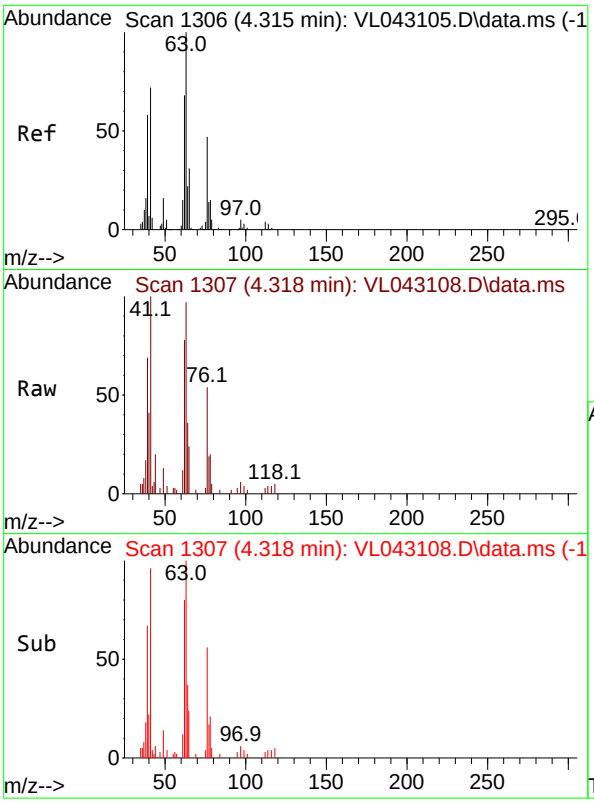


#38
Trichloroethene
Concen: 0.511 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:130 Resp: 6745

Ion	Ratio	Lower	Upper
130	100		
95	110.7	88.6	133.0
132	97.8	73.4	110.0
97	63.7	57.8	86.6

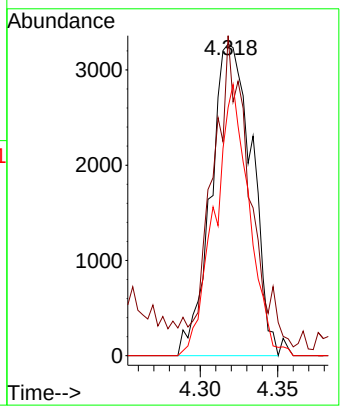




#39
1,2-Dichloropropane
Concen: 0.521 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 63 Resp: 603

Ion	Ratio	Lower	Upper
63	100		
41	93.9	58.0	87.0#
62	79.6	54.7	82.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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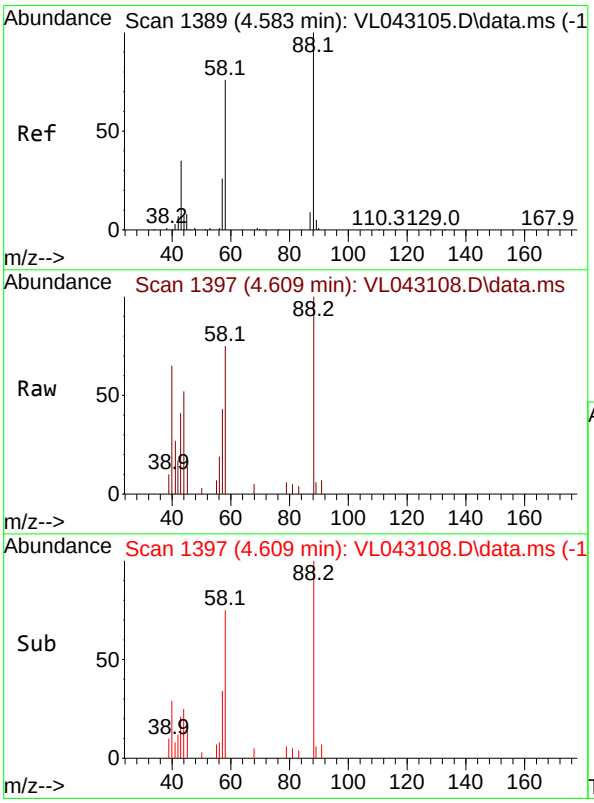
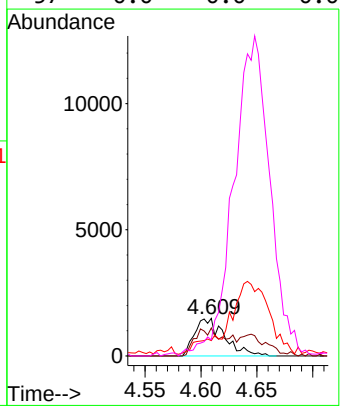
Supervised By :Mahesh Dadoda 10/16/2025

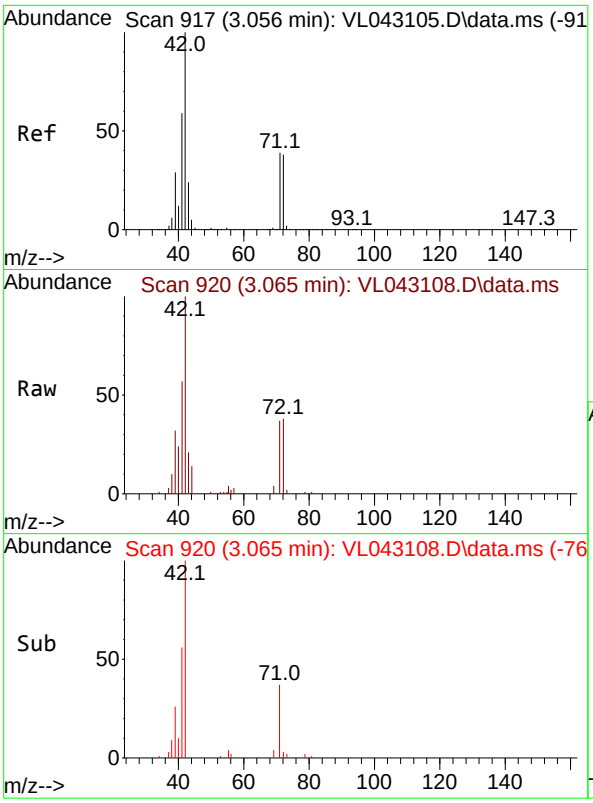


#40
1,4-Dioxane
Concen: 0.539 ppbv m
RT: 4.609 min Scan# 1397
Delta R.T. 0.026 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 88 Resp: 2794

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	11.4	24.0	36.0#
57	0.0	0.0	0.0

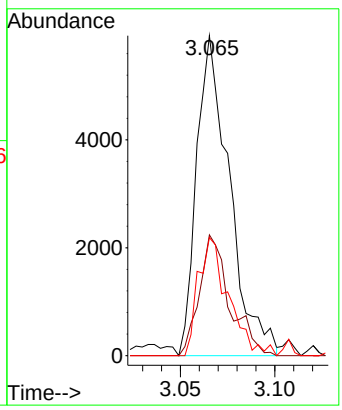




#41
Tetrahydrofuran
Concen: 0.565 ppbv m
RT: 3.065 min Scan# 9
Delta R.T. 0.009 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 42 Resp: 717

Ion	Ratio	Lower	Upper
42	100		
72	34.8	31.3	46.9
71	35.5	30.4	45.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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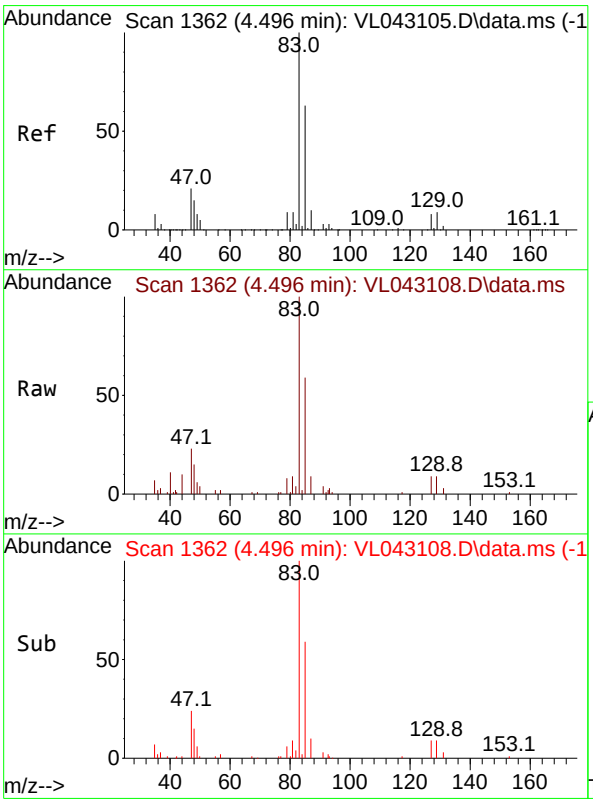
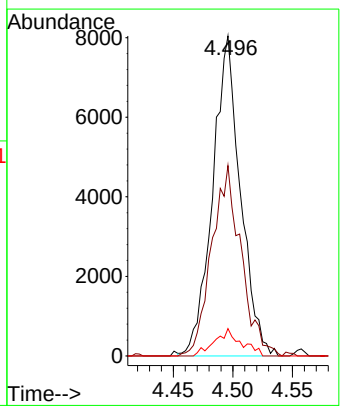
Supervised By :Mahesh Dadoda 10/16/2025

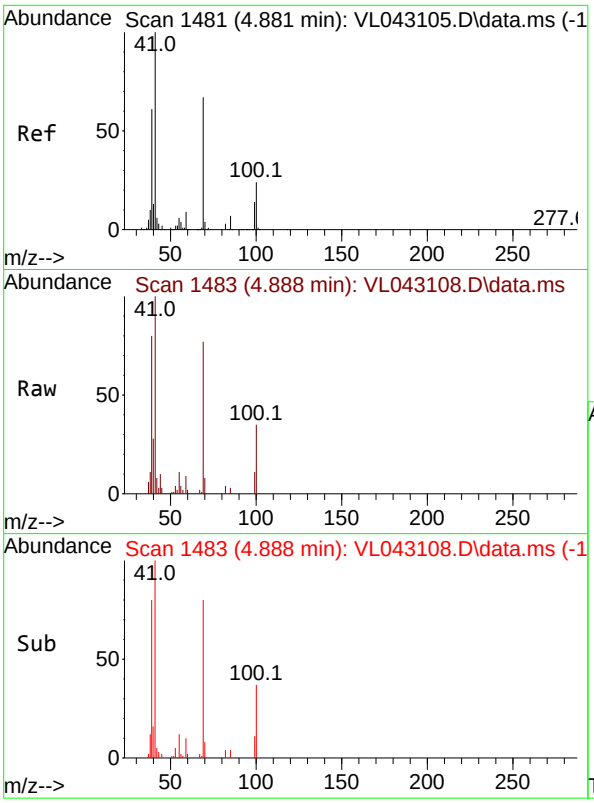


#42
Bromodichloromethane
Concen: 0.519 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 83 Resp: 13094

Ion	Ratio	Lower	Upper
83	100		
85	59.5	50.6	75.8
127	8.5	6.3	9.5

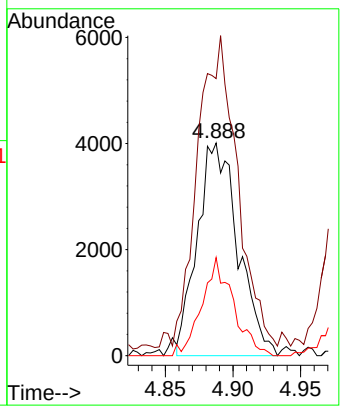




#43
Methyl Methacrylate
Concen: 0.521 ppbv m
RT: 4.888 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 69 Resp: 841

Ion	Ratio	Lower	Upper
69	100		
41	0.0	120.5	180.7#
100	35.6	29.0	43.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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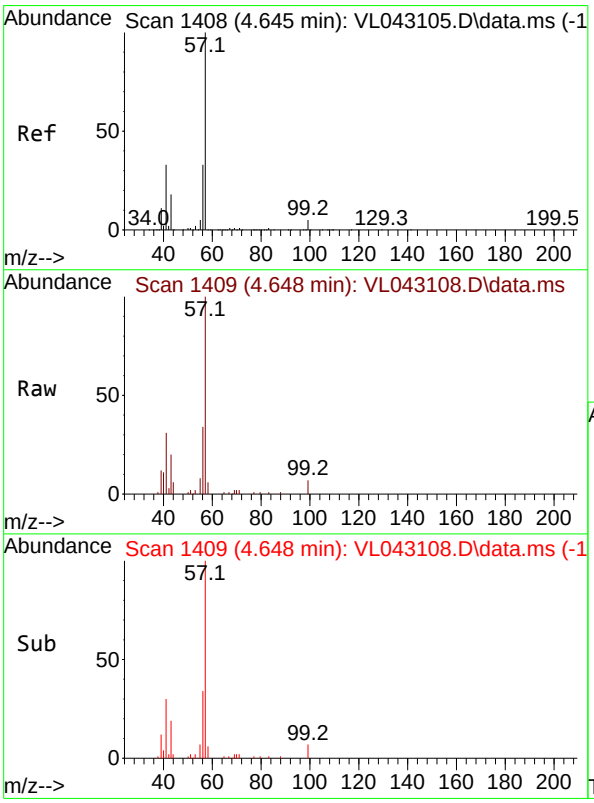
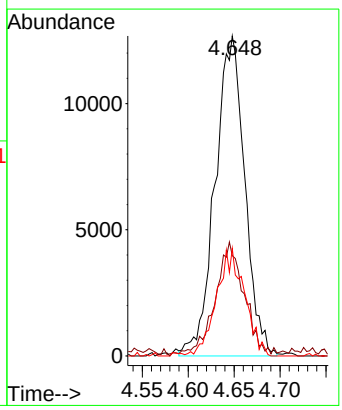
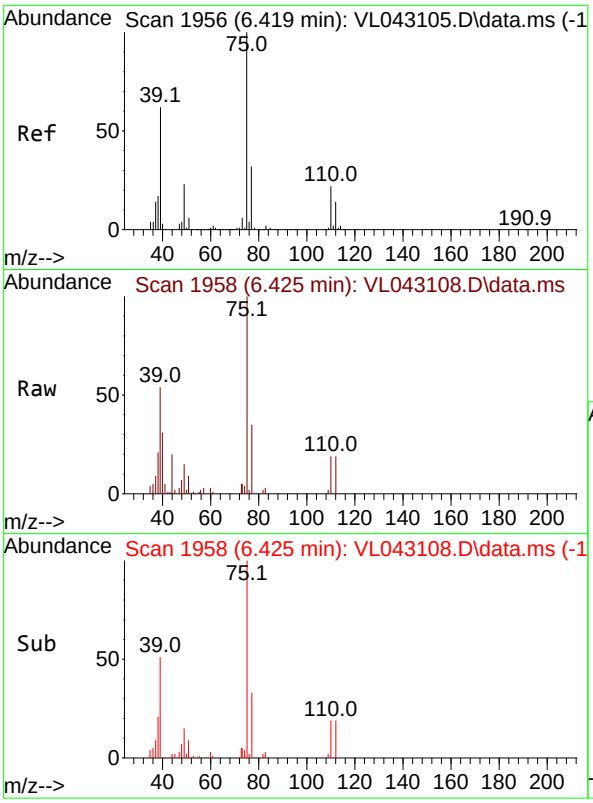


#44
2,2,4-Trimethylpentane
Concen: 0.538 ppbv m
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 57 Resp: 28494

Ion	Ratio	Lower	Upper
57	100		
41	32.8	26.3	39.5
56	32.0	25.9	38.9

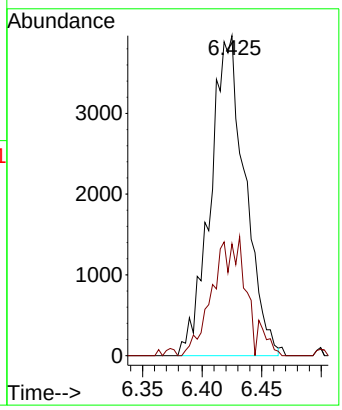




#45
t-1,3-Dichloropropene
Concen: 0.498 ppbv
RT: 6.425 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 75 Resp: 803

Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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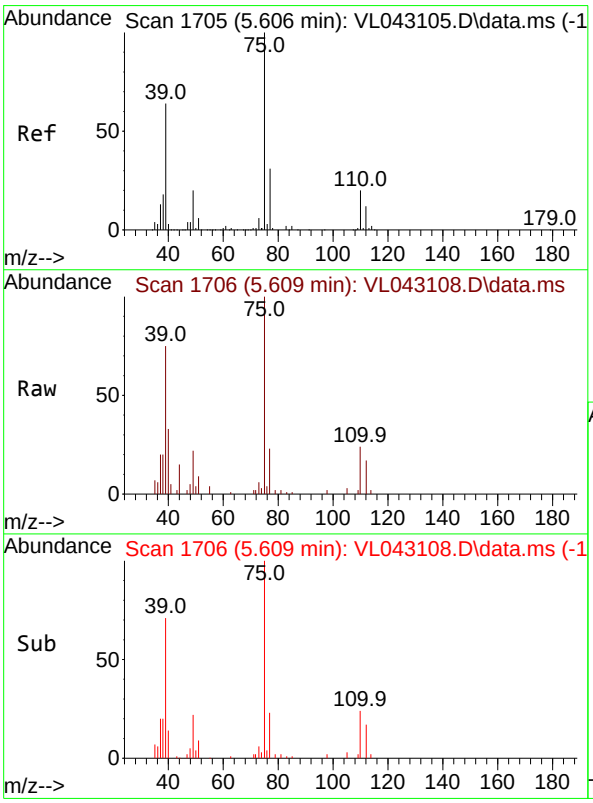
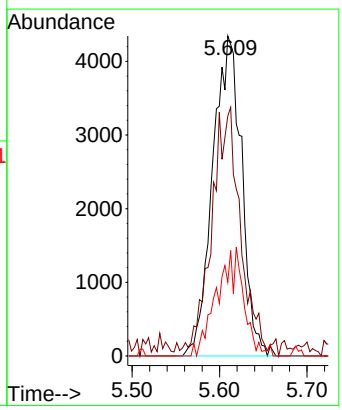
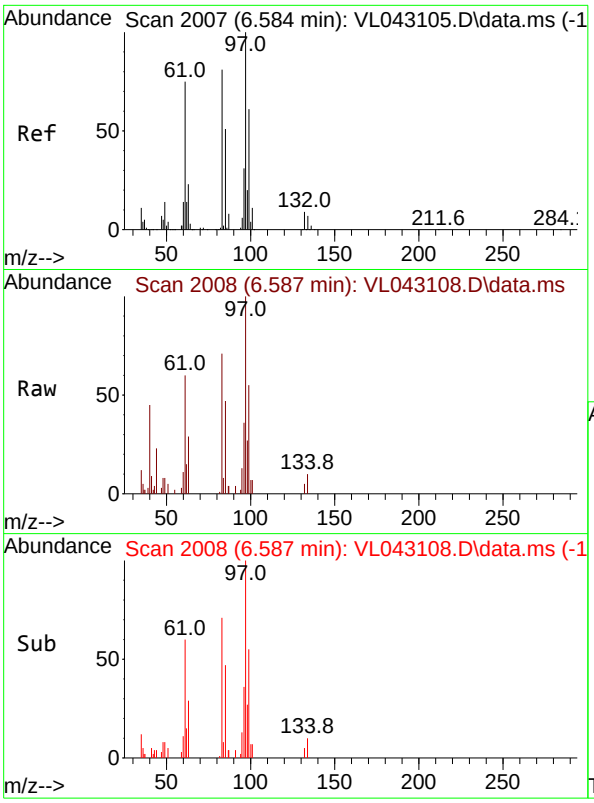


#46
cis-1,3-Dichloropropene
Concen: 0.518 ppbv m
RT: 5.609 min Scan# 1706
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 75 Resp: 9973

Ion	Ratio	Lower	Upper
75	100		
39	75.0	51.0	76.6
77	23.1	25.0	37.4#

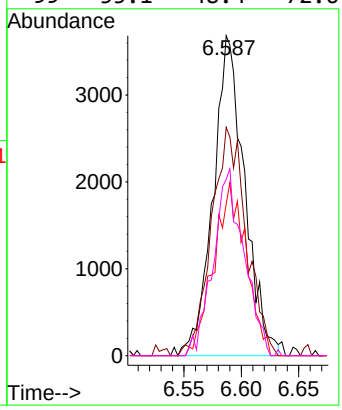




#47
1,1,2-Trichloroethane
Concen: 0.560 ppbv
RT: 6.587 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 97 Resp: 699

Ion	Ratio	Lower	Upper
97	100		
83	71.4	64.6	96.8
85	47.5	40.6	60.8
99	55.1	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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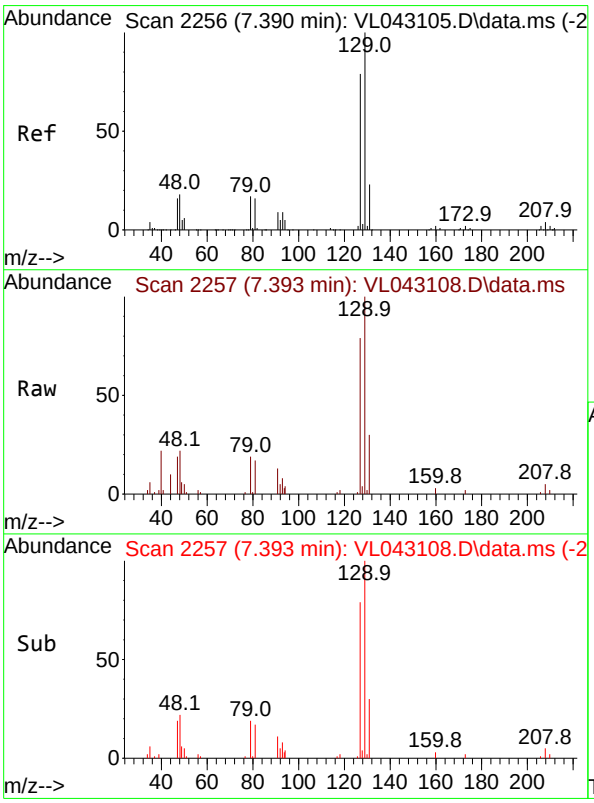
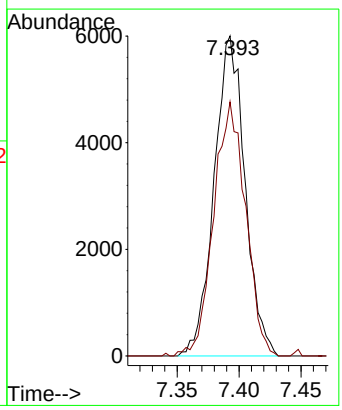
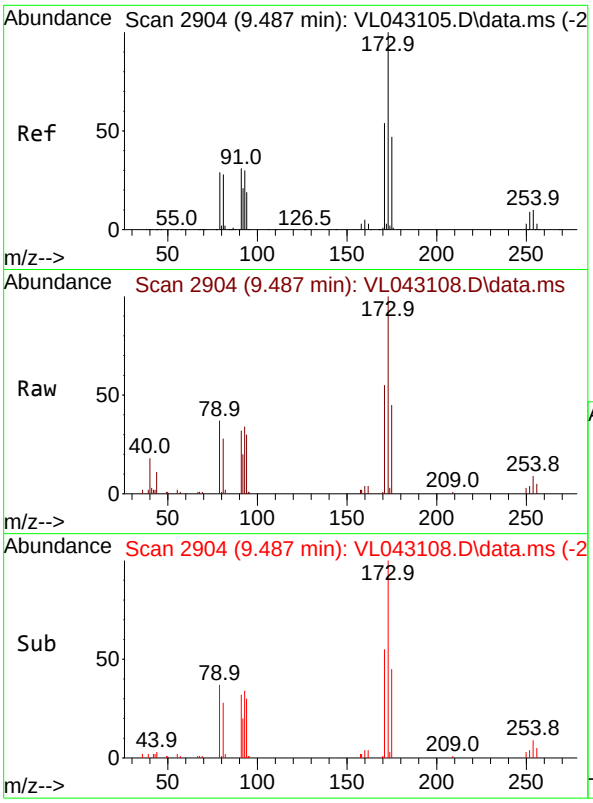


#48
Dibromochloromethane
Concen: 0.498 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:129 Resp: 10413

Ion	Ratio	Lower	Upper
129	100		
127	82.2	39.3	117.9

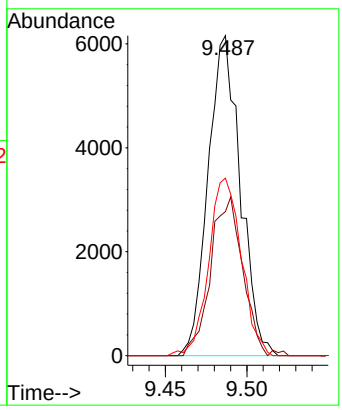




#49
Bromoform
Concen: 0.498 ppbv
RT: 9.487 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:173 Resp: 845

Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.8	58.2
171	56.3	41.7	62.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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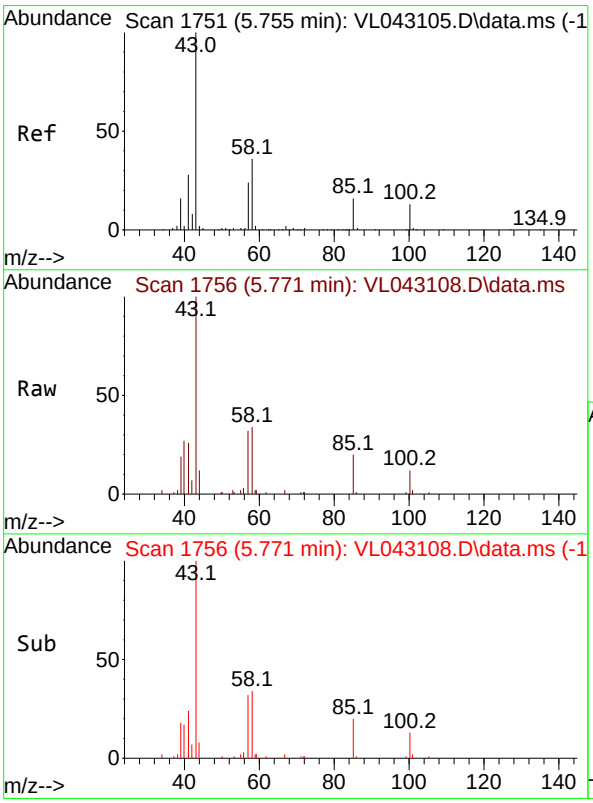
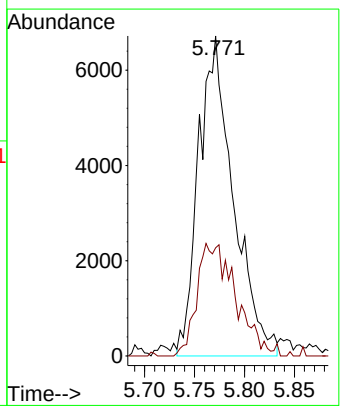
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

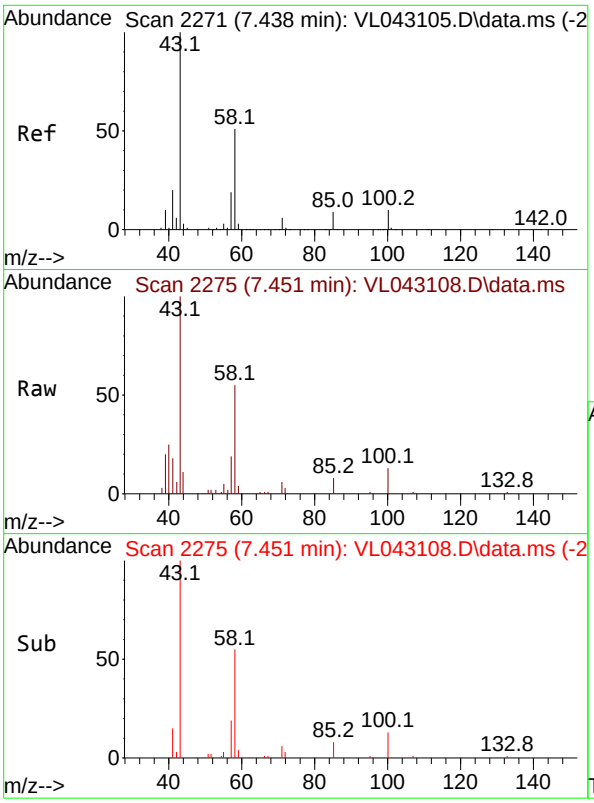


#50
4-Methyl-2-Pentanone
Concen: 0.520 ppbv m
RT: 5.771 min Scan# 1756
Delta R.T. 0.016 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 16289

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#

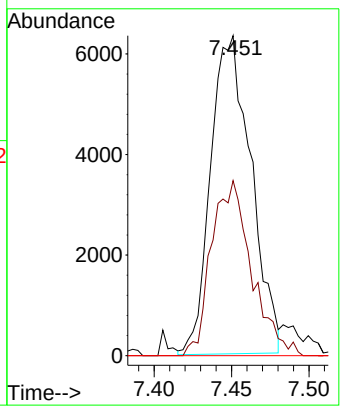




#51
2-Hexanone
Concen: 0.491 ppbv
RT: 7.451 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 1148

Ion	Ratio	Lower	Upper
43	100		
58	54.7	40.4	60.6
98	0.0	0.1	0.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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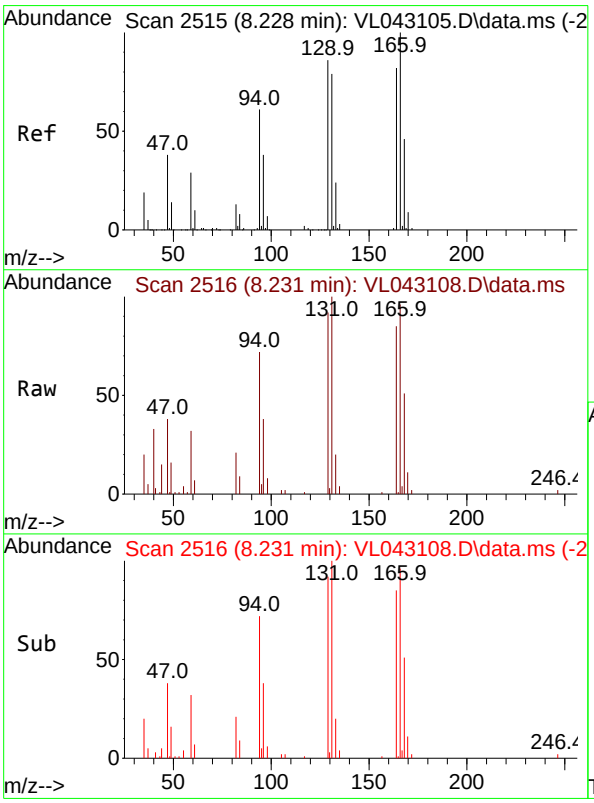
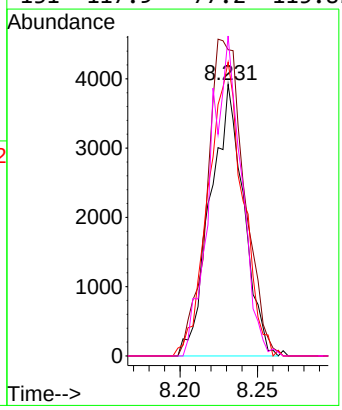
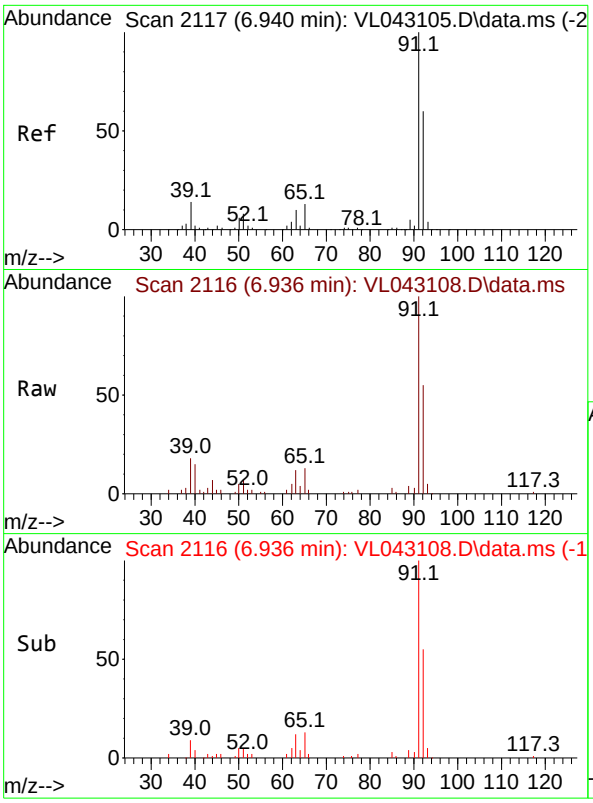


#52
Tetrachloroethene
Concen: 0.513 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:164 Resp: 5863

Ion	Ratio	Lower	Upper
164	100		
166	112.8	97.6	146.4
129	106.1	84.5	126.7
131	117.9	77.2	115.8#

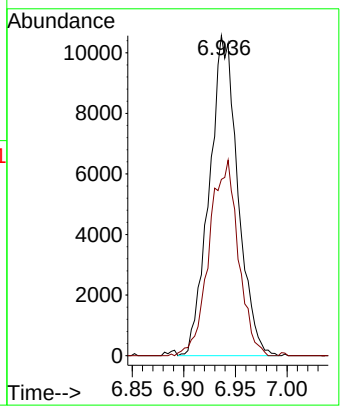




#53
Toluene
Concen: 0.542 ppbv
RT: 6.936 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 2038

Ion	Ratio	Lower	Upper
91	100		
92	62.1	48.8	73.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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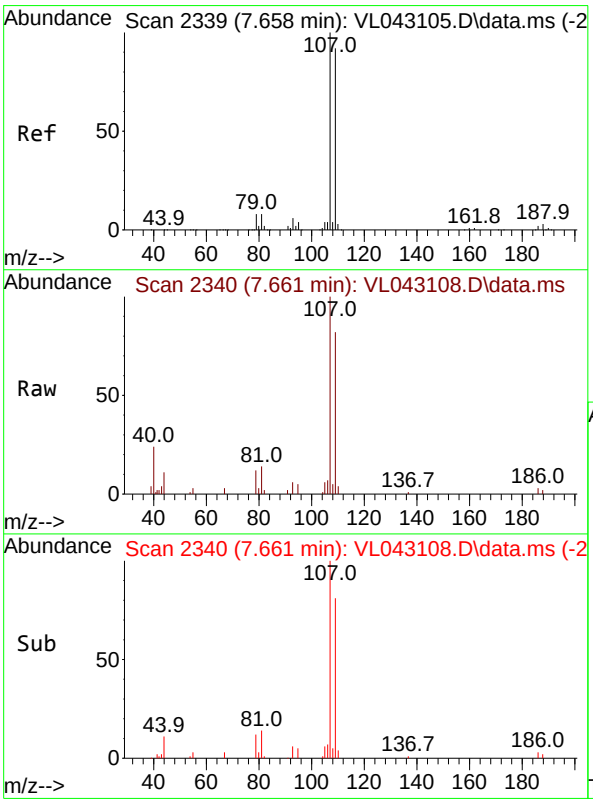
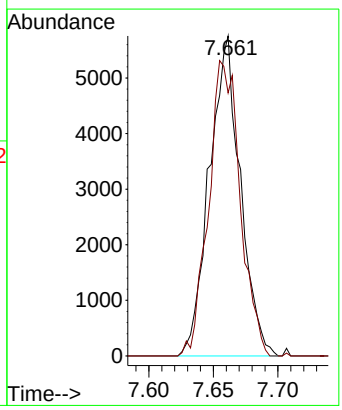
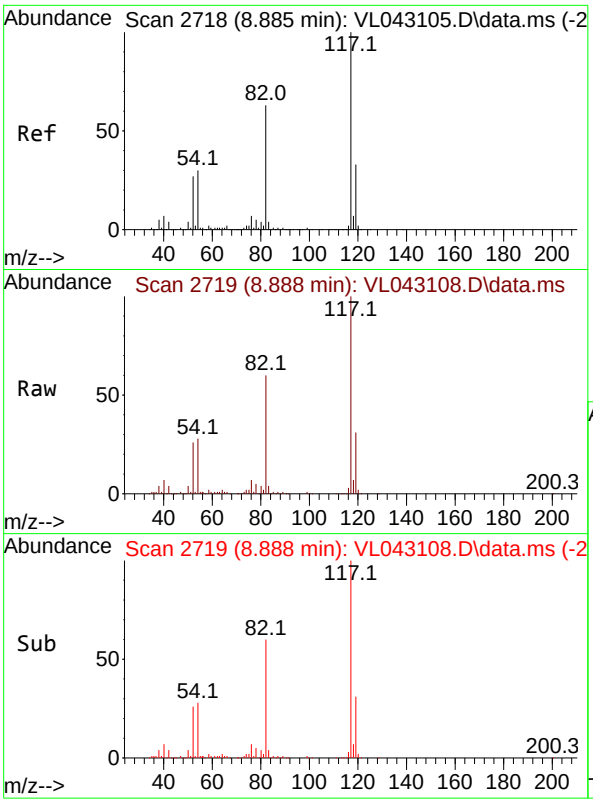


#54
1,2-Dibromoethane
Concen: 0.486 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:107 Resp: 9586

Ion	Ratio	Lower	Upper
107	100		
109	82.2	73.4	110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:117 Resp: 30344

Ion	Ratio	Lower	Upper
117	100		
82	63.9	53.8	80.8
119	32.1	25.4	38.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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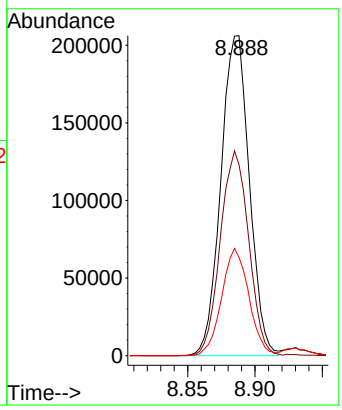
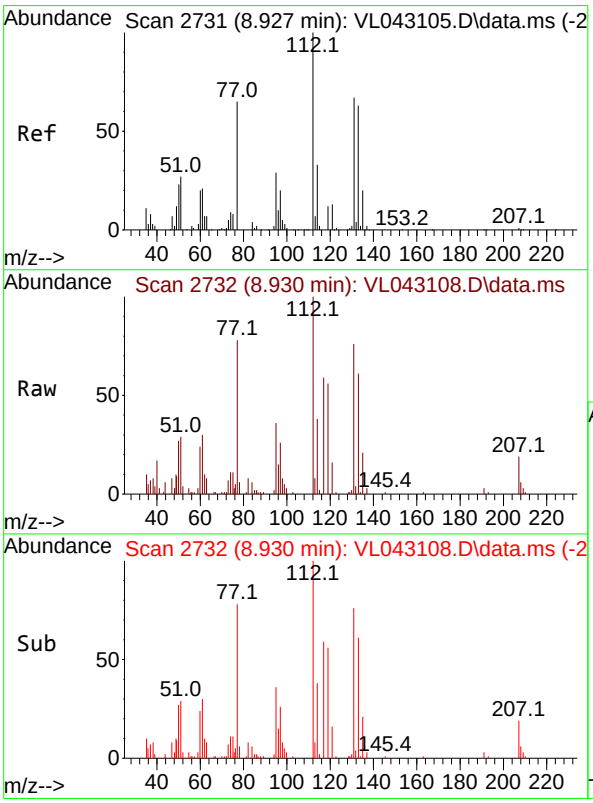
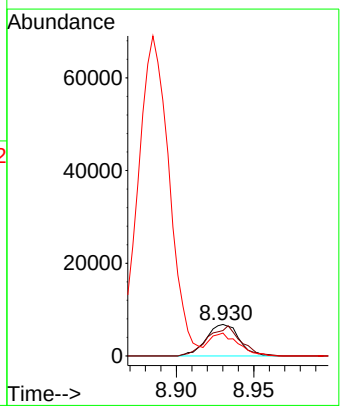


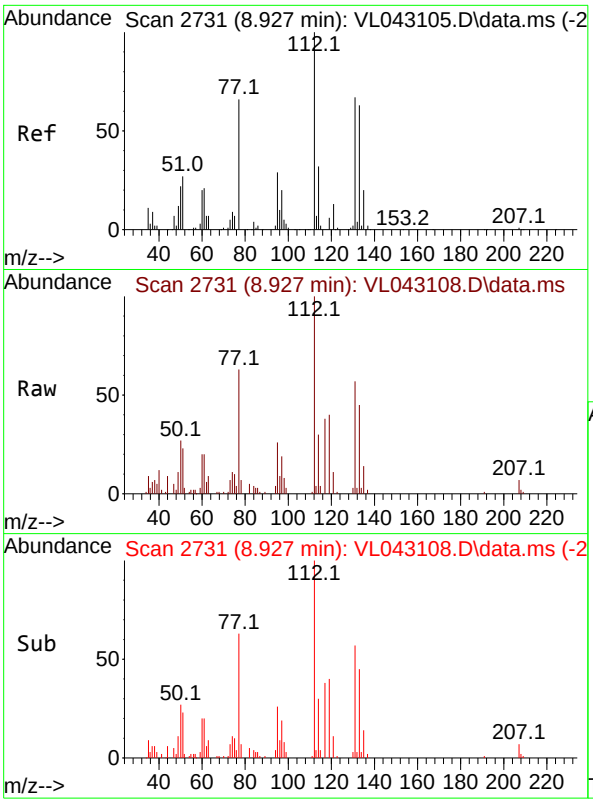


#56
1,1,1,2-Tetrachloroethane
Concen: 0.525 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:131 Resp: 10044

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.7	113.5
119	1032.5	50.6	76.0#

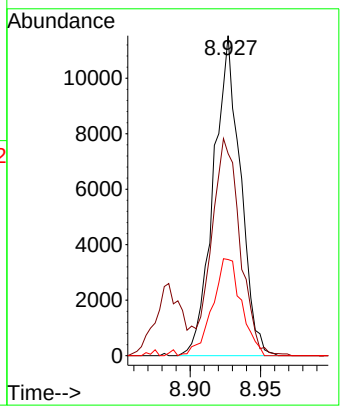




#57
Chlorobenzene
Concen: 0.540 ppbv
RT: 8.927 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:112 Resp: 1531

Ion	Ratio	Lower	Upper
112	100		
77	62.5	53.3	79.9
114	30.0	29.3	35.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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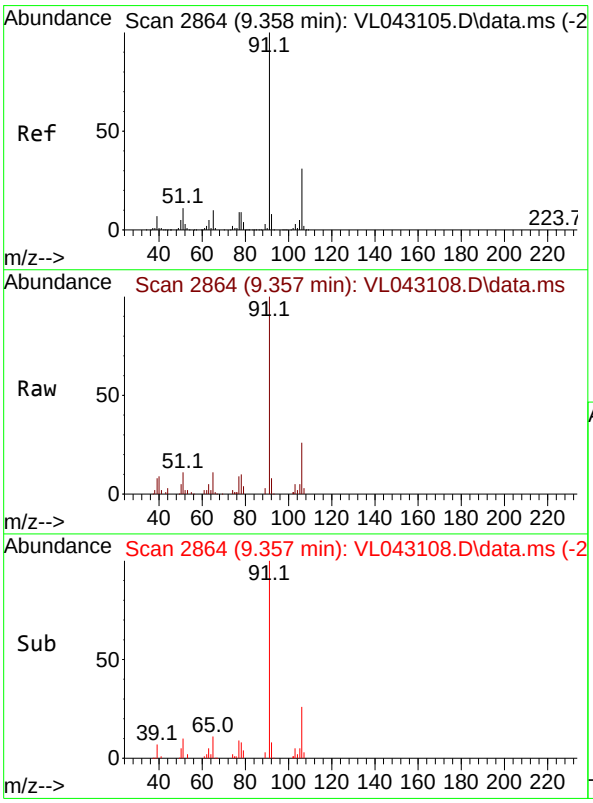
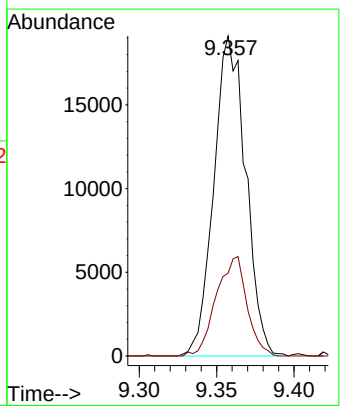
Supervised By :Mahesh Dadoda 10/16/2025

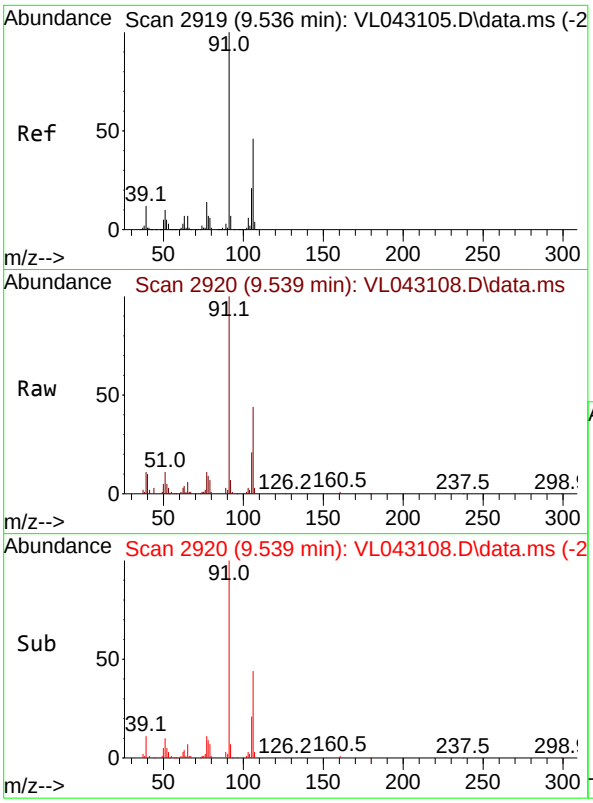


#58
Ethyl Benzene
Concen: 0.521 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 27330

Ion	Ratio	Lower	Upper
91	100		
106	25.8	24.8	37.2

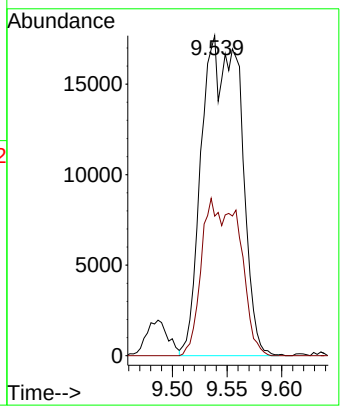




#59
m/p-Xylene
Concen: 1.068 ppbv m
RT: 9.539 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 4440

Ion	Ratio	Lower	Upper
91	100		
106	47.2	38.0	57.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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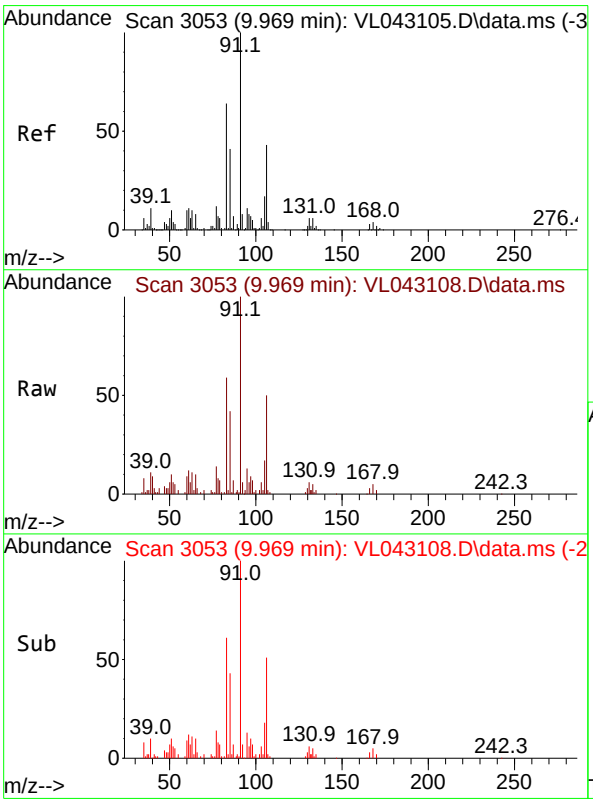
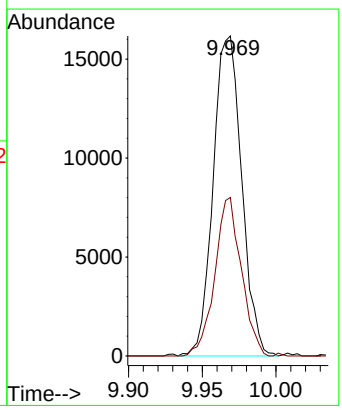
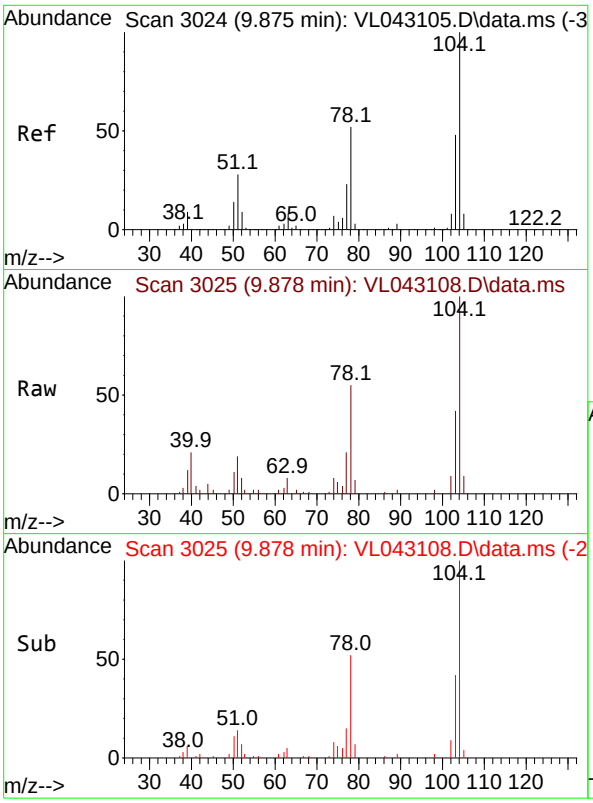


#60
o-Xylene
Concen: 0.530 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 21745

Ion	Ratio	Lower	Upper
91	100		
106	46.2	21.9	65.8

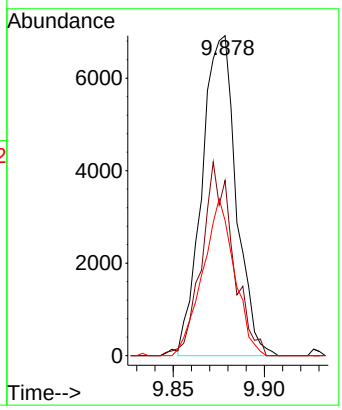




#61
Styrene
Concen: 0.489 ppbv
RT: 9.878 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:104 Resp: 905

Ion	Ratio	Lower	Upper
104	100		
78	55.0	40.2	60.2
103	45.6	36.9	55.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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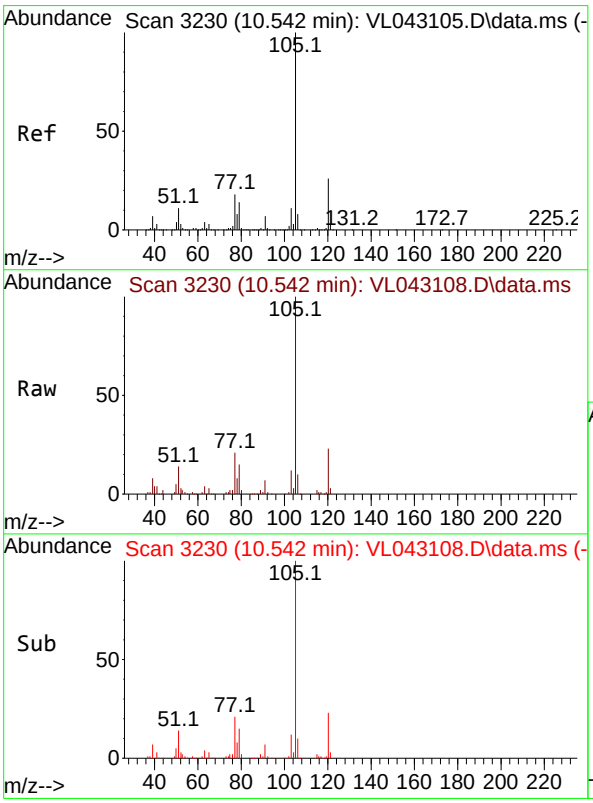
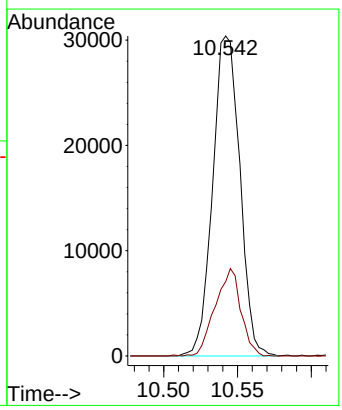
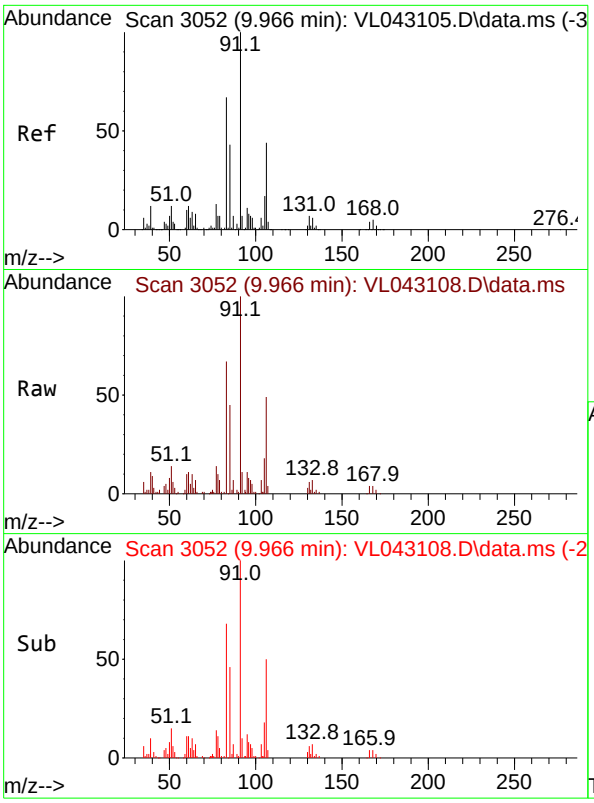


#62
Isopropylbenzene
Concen: 0.525 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 38899

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.2	30.4

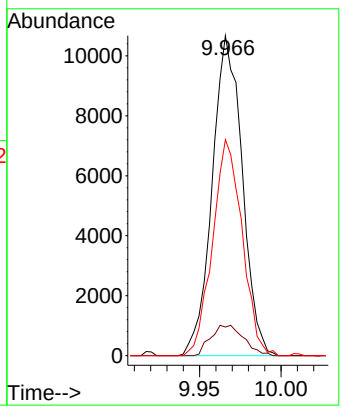




#63
1,1,2,2-Tetrachloroethane
Concen: 0.497 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 83 Resp: 1365

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.3
85	66.7	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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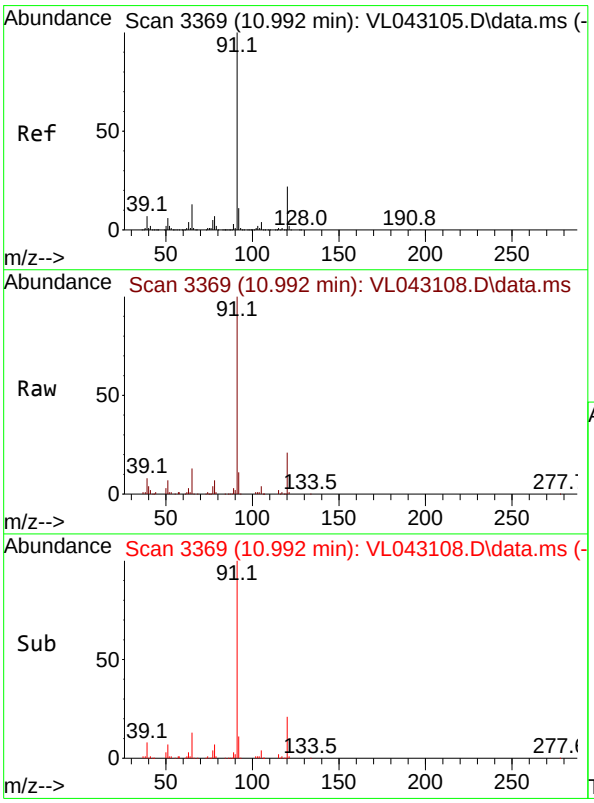
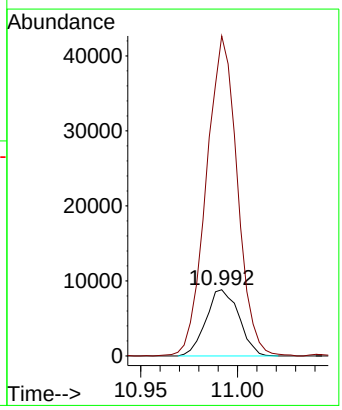
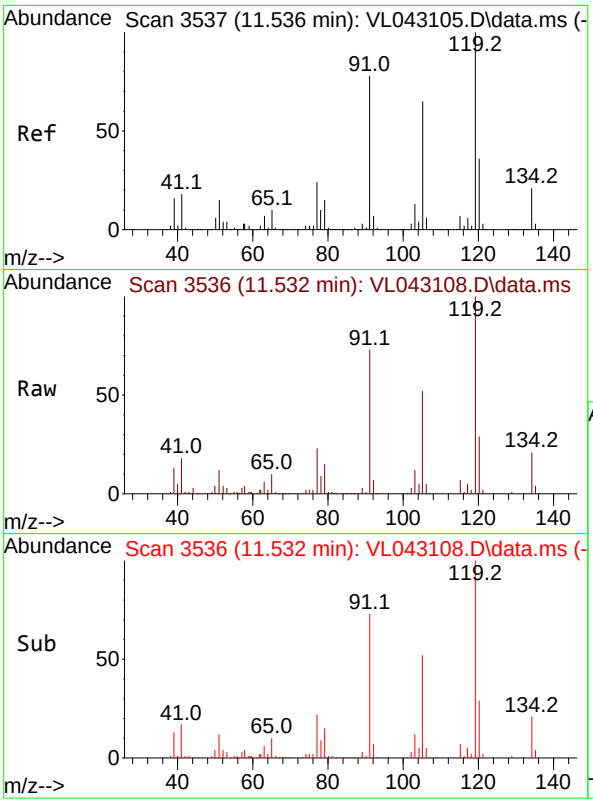


#64
n-propylbenzene
Concen: 0.532 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:120 Resp: 10435

Ion	Ratio	Lower	Upper
120	100		
91	455.0	361.6	542.4

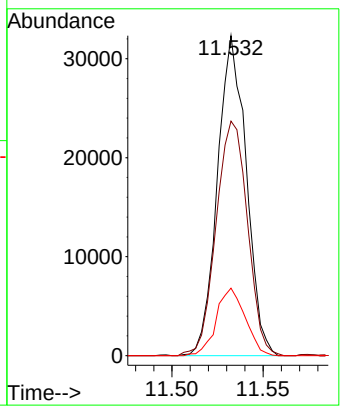




#65
tert-Butylbenzene
Concen: 0.543 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:119 Resp: 3553

Ion	Ratio	Lower	Upper
119	100		
91	80.0	63.4	95.0
134	21.2	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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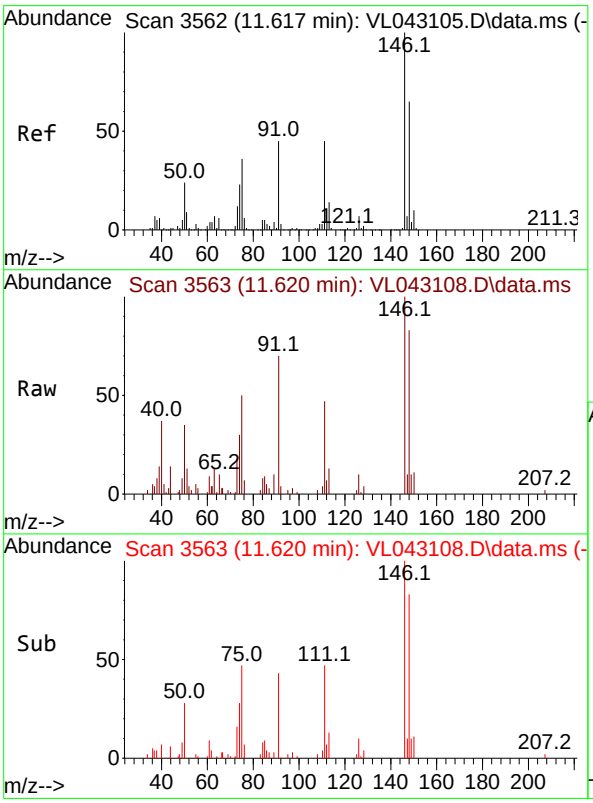
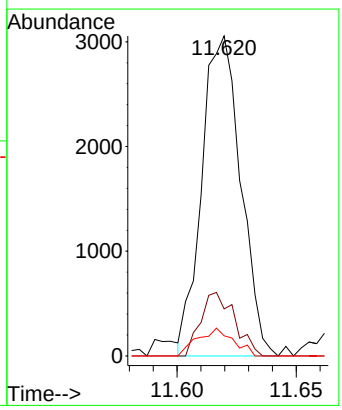
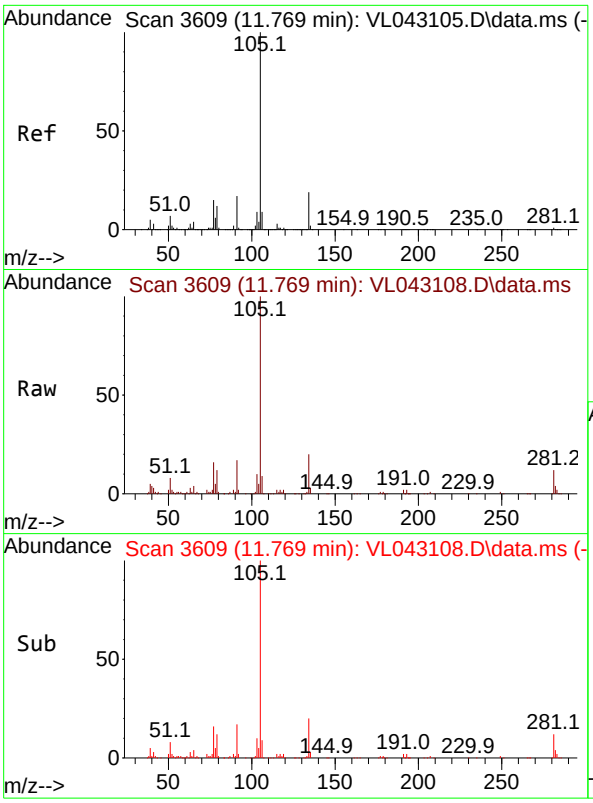


#66
Benzyl Chloride
Concen: 0.476 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 3477

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.6	22.0
128	7.9	4.6	6.8#

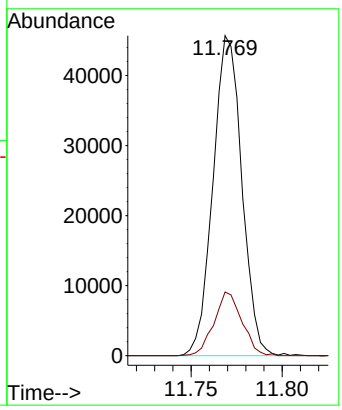




#67
sec-Butylbenzene
Concen: 0.541 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 5025

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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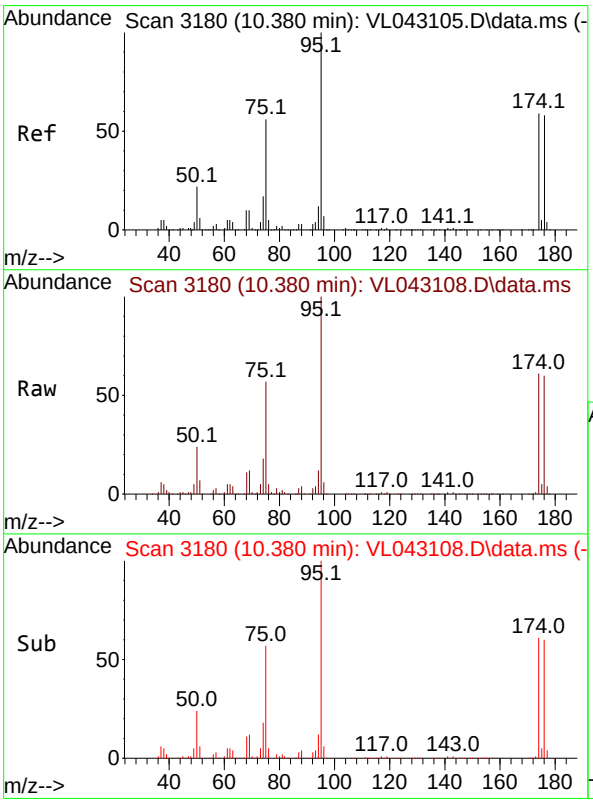
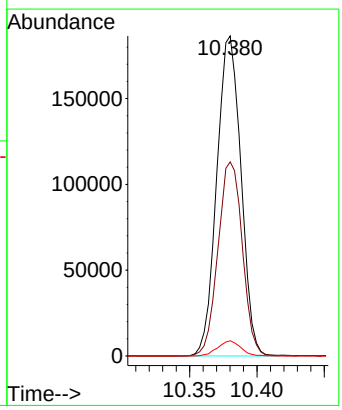
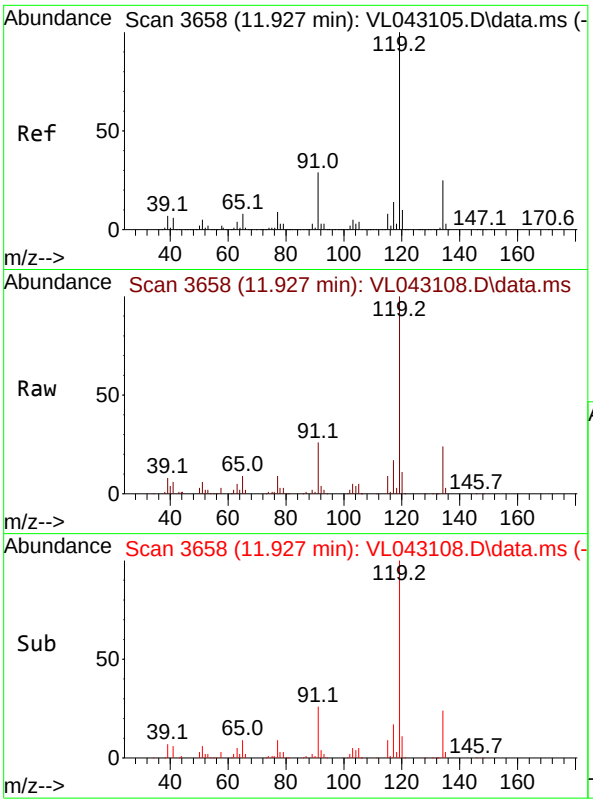


#68
1-Bromo-4-Fluorobenzene
Concen: 9.875 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 95 Resp: 232904

Ion	Ratio	Lower	Upper
95	100		
174	61.0	48.3	72.5
175	4.5	3.8	5.8

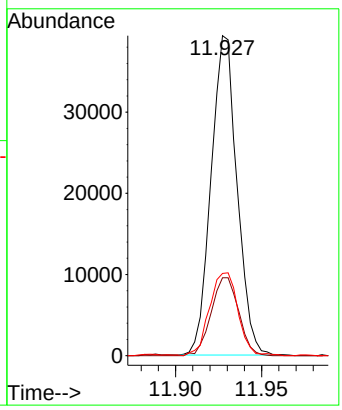




#69
p-Isopropyltoluene
Concen: 0.524 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:119 Resp: 4136

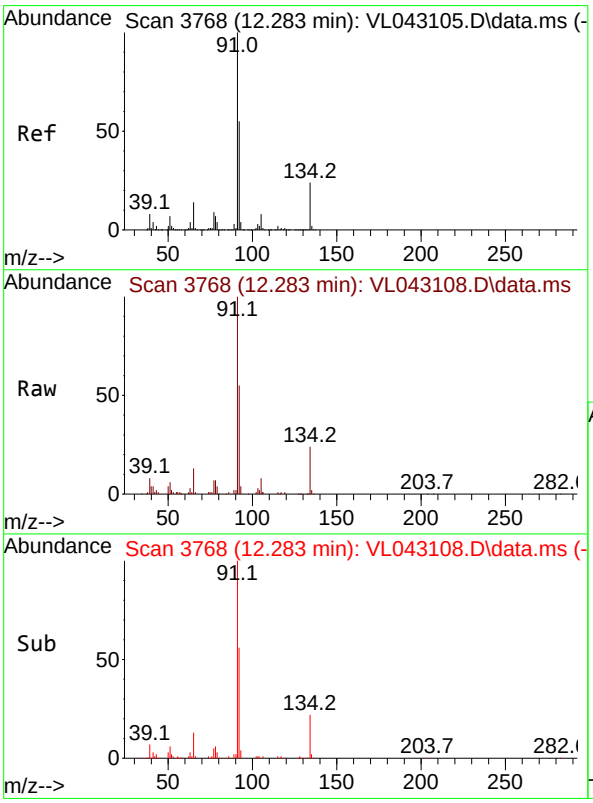
Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.3	30.5
91	28.9	22.6	33.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

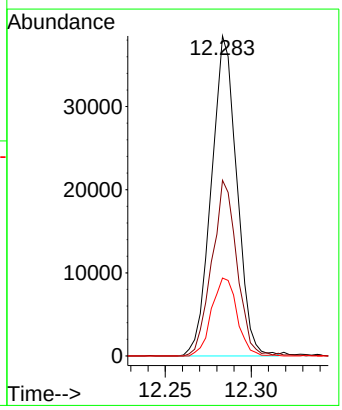
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

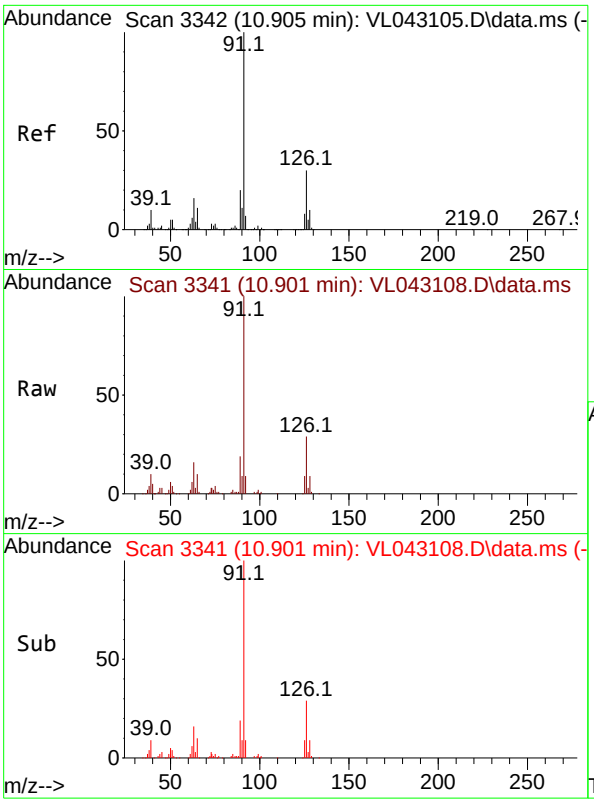


#70
n-Butylbenzene
Concen: 0.509 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 39620

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.5	66.7
134	24.4	19.3	28.9

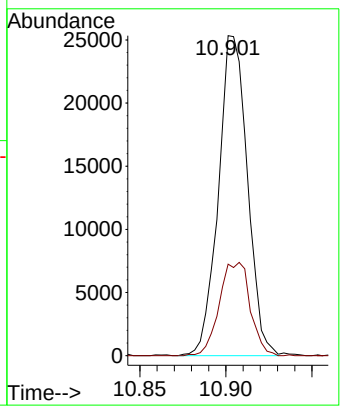




#71
2-Chlorotoluene
Concen: 0.526 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 2972

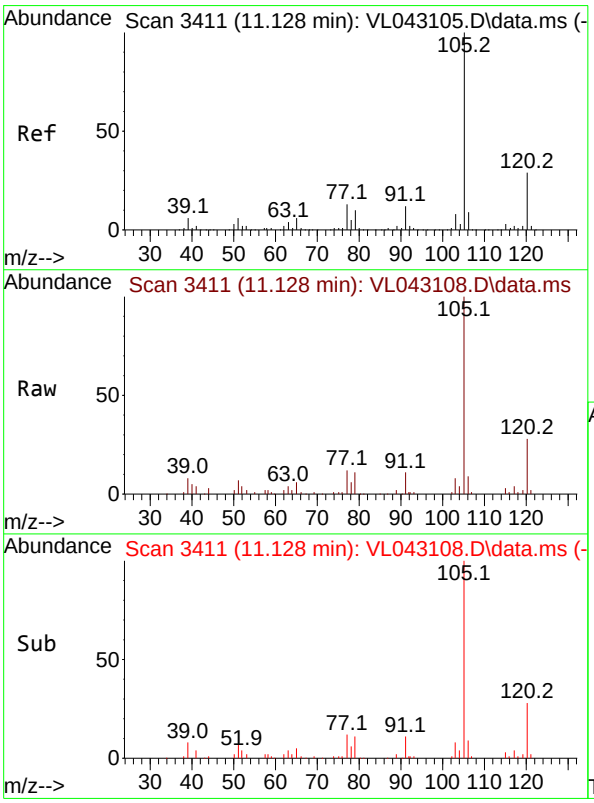
Ion	Ratio	Lower	Upper
91	100		
126	30.9	12.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

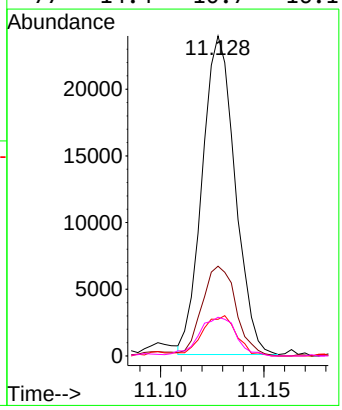
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

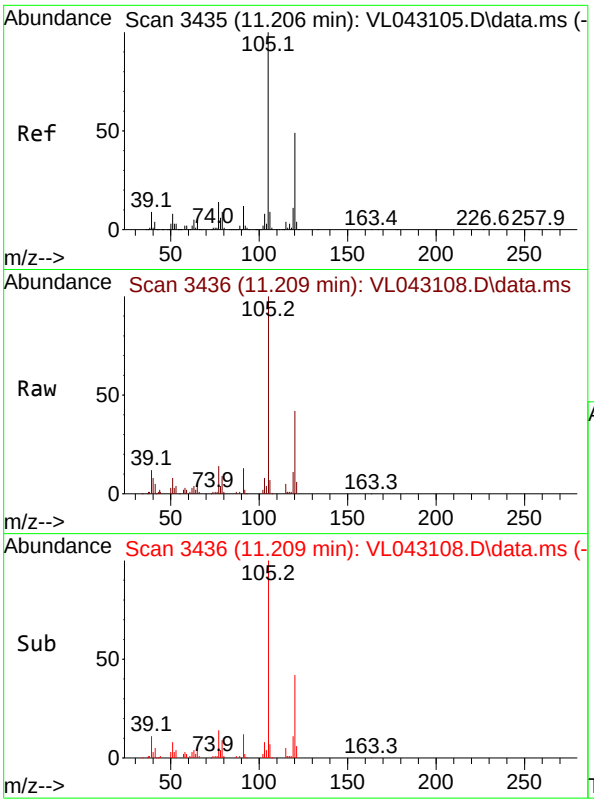


#72
4-Ethyltoluene
Concen: 0.524 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 26408

Ion	Ratio	Lower	Upper
105	100		
120	30.8	24.2	36.4
91	14.6	10.0	15.0
77	14.4	10.7	16.1

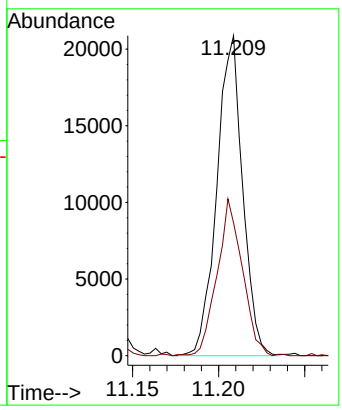




#73
1,3,5-Trimethylbenzene
Concen: 0.523 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 2175

Ion	Ratio	Lower	Upper
105	100		
120	41.1	39.0	58.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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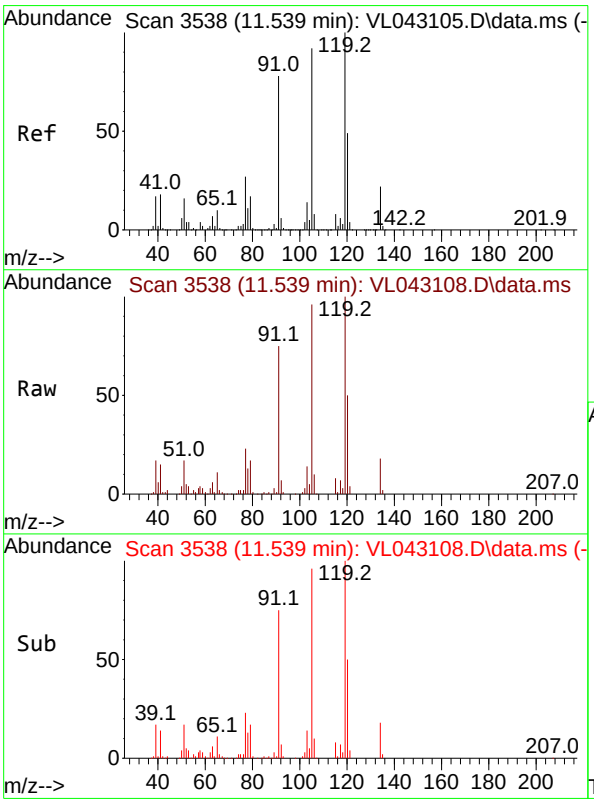
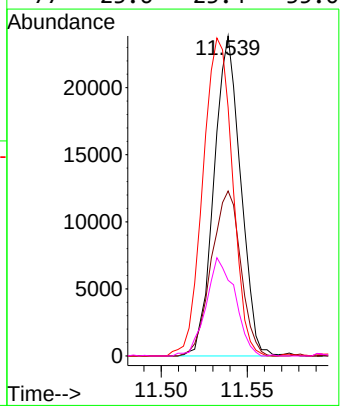
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

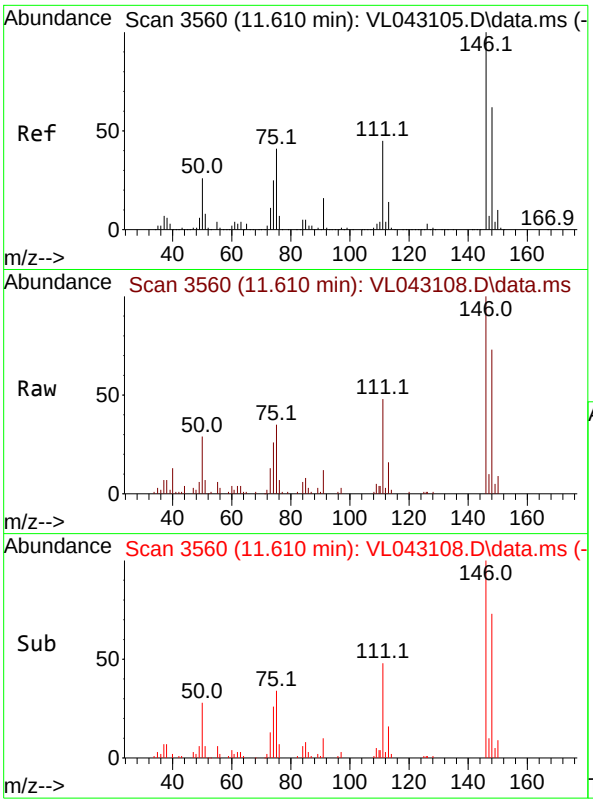


#74
1,2,4-Trimethylbenzene
Concen: 0.551 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 25663

Ion	Ratio	Lower	Upper
105	100		
120	51.5	42.8	64.2
91	77.7	68.3	102.5
77	23.6	23.4	35.0

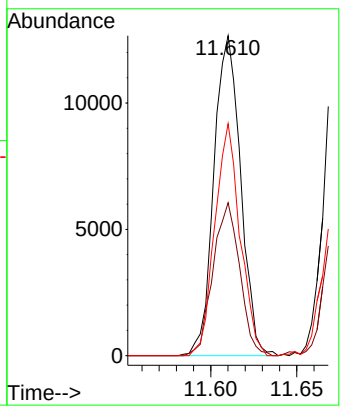




#75
1,3-Dichlorobenzene
Concen: 0.507 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:146 Resp: 1369

Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.3	69.9
148	68.4	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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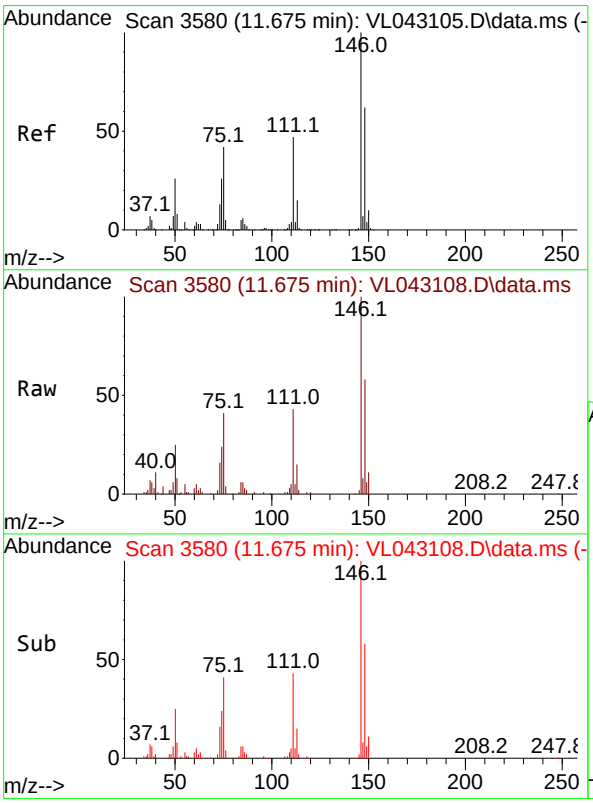
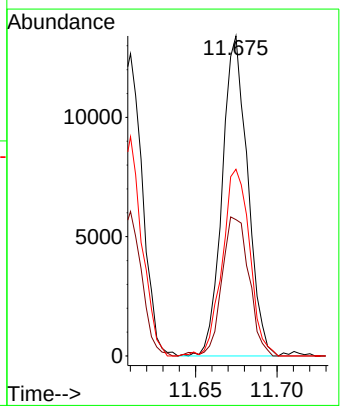
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

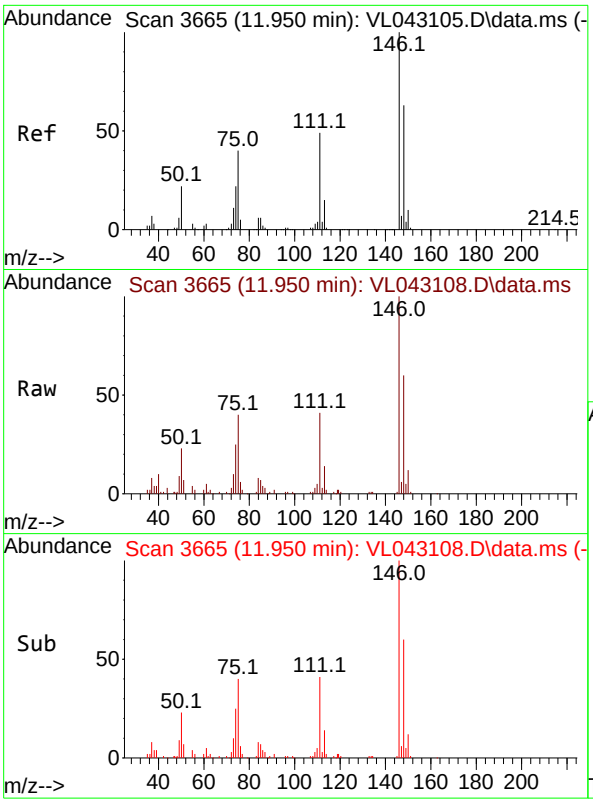


#76
1,4-Dichlorobenzene
Concen: 0.533 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:146 Resp: 14514

Ion	Ratio	Lower	Upper
146	100		
111	46.4	22.4	67.0
148	62.7	31.6	94.7

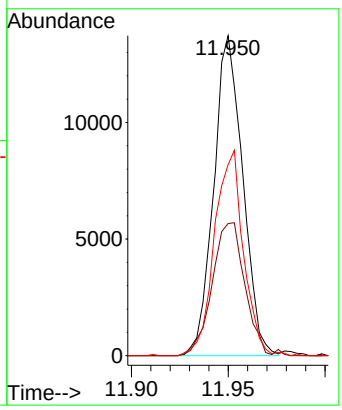




#77
1,2-Dichlorobenzene
Concen: 0.548 ppbv
RT: 11.950 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:146 Resp: 1432

Ion	Ratio	Lower	Upper
146	100		
111	46.9	24.0	72.0
148	64.1	31.1	93.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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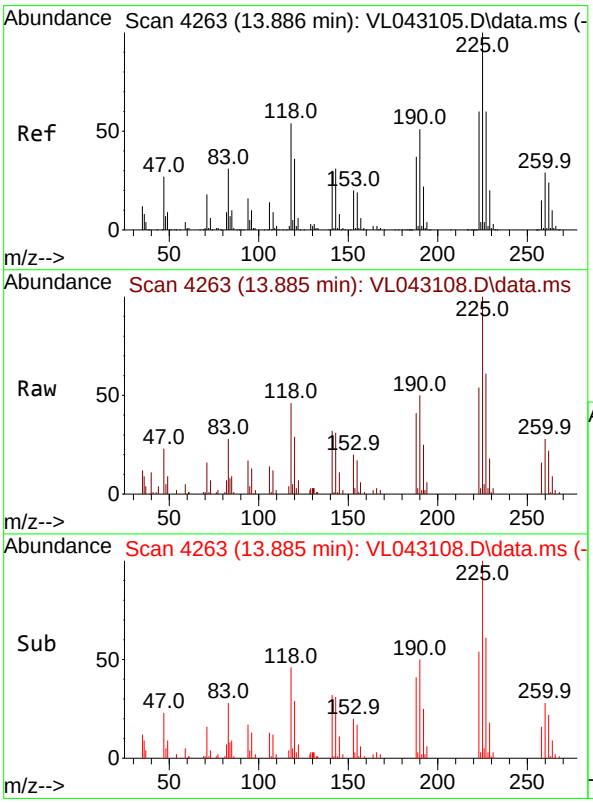
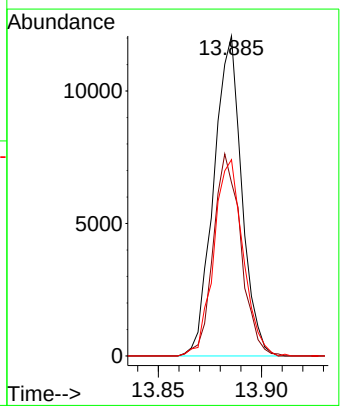
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

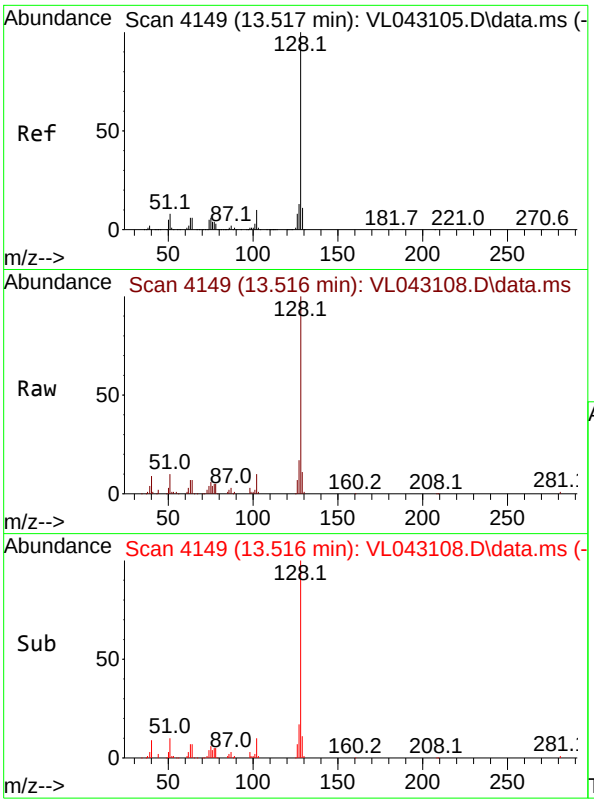


#78
Hexachloro-1,3-Butadiene
Concen: 0.564 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:225 Resp: 11400

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.2	75.4
227	64.2	49.6	74.4





#79
Naphthalene
Concen: 0.483 ppbv
RT: 13.516 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

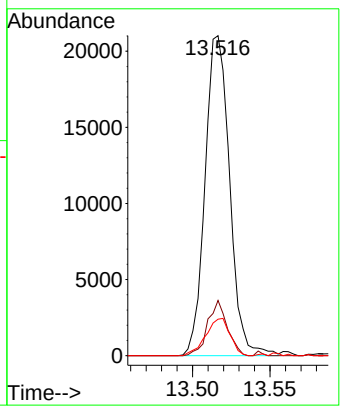
Tgt Ion:128 Resp: 2324

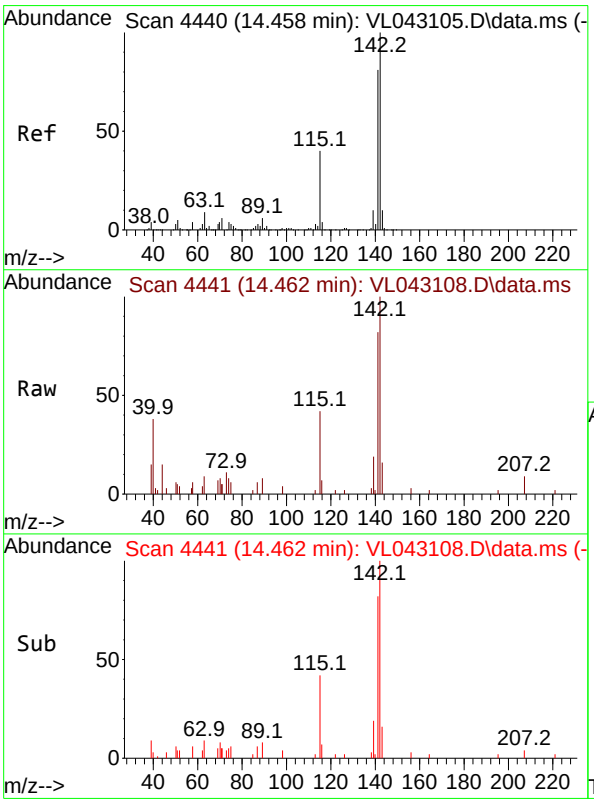
Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.5	15.7#
129	11.4	9.1	13.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

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

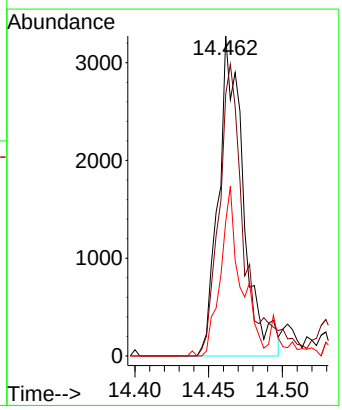


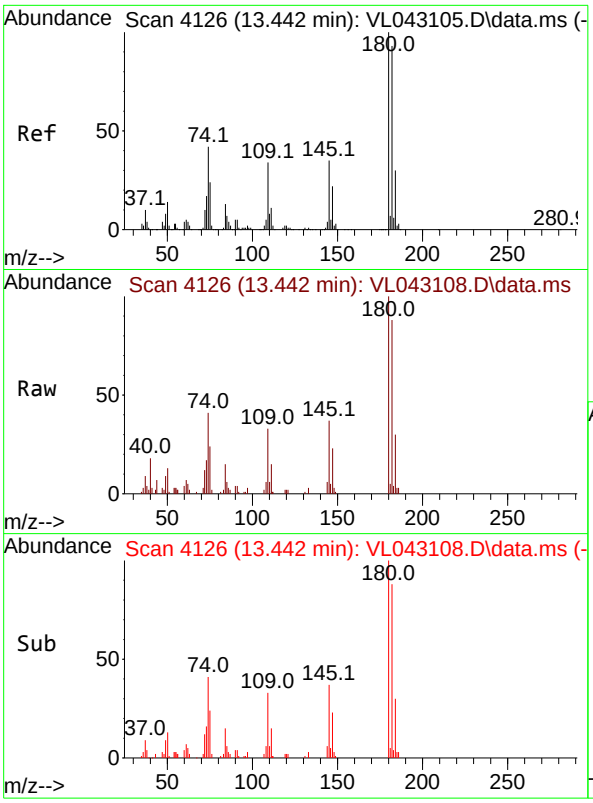


#80
Naphthalene,2-methyl-
Concen: 0.305 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:142 Resp: 3874

Ion	Ratio	Lower	Upper
142	100		
141	92.6	64.6	97.0
115	51.2	30.2	45.4#

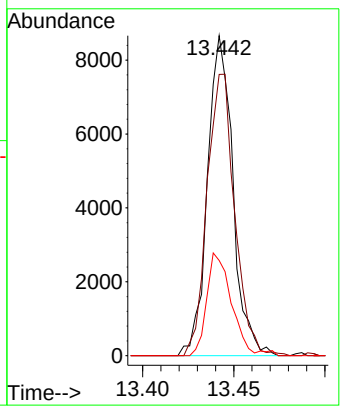




#81
1,2,4-Trichlorobenzene
Concen: 0.416 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:180 Resp: 839

Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.5	113.3
184	31.4	23.9	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

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

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

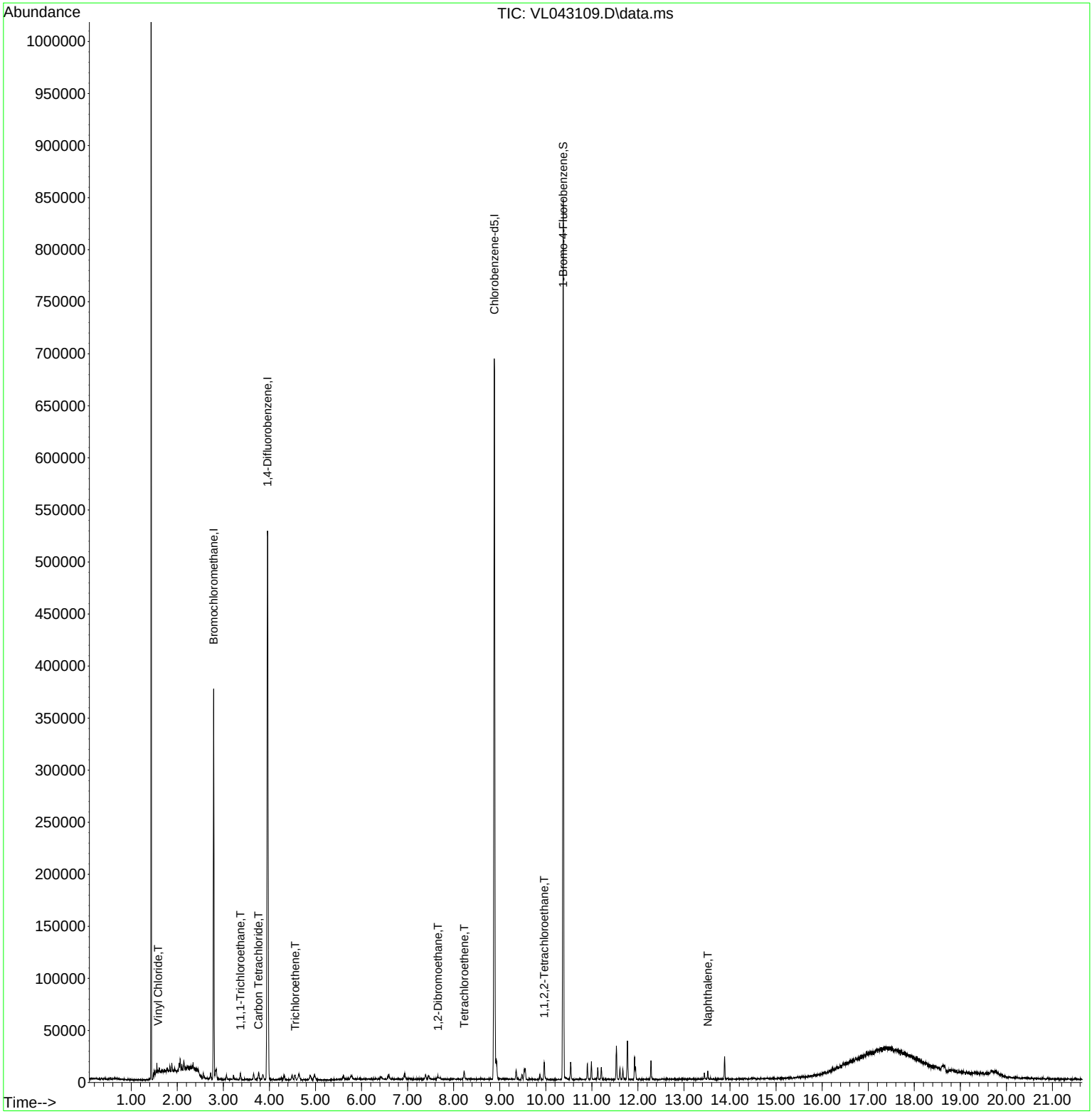
(#) = qualifier out of range (m) = manual integration (+) = signals summed

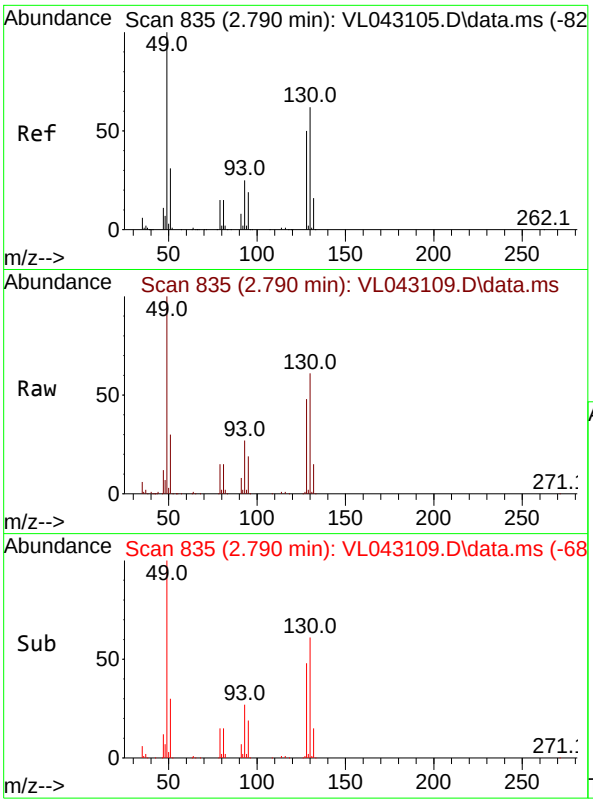
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043109.D
Acq On : 14 Oct 2025 13:08
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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

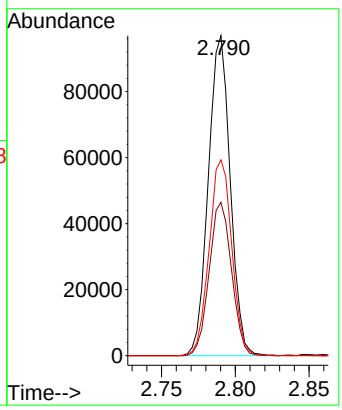




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 49 Resp: 9999

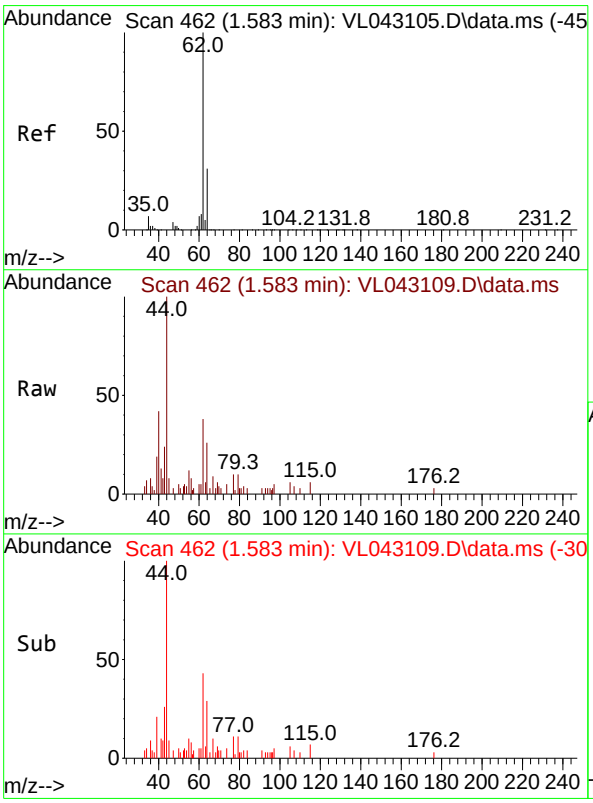
Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.4	73.4
130	63.3	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

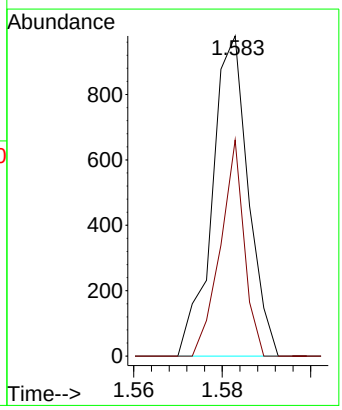
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

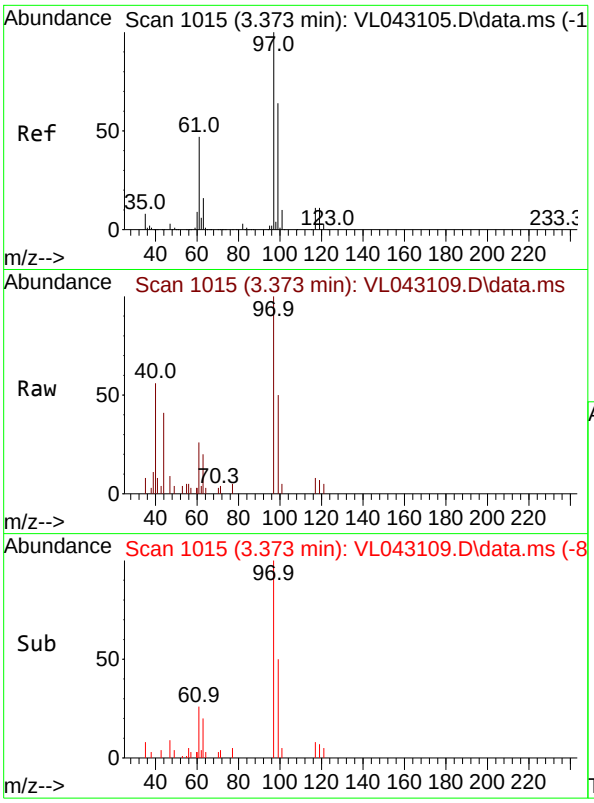


#5
Vinyl Chloride
Concen: 0.100 ppbv
RT: 1.583 min Scan# 462
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 62 Resp: 554

Ion	Ratio	Lower	Upper
62	100		
64	67.5	24.6	36.8#

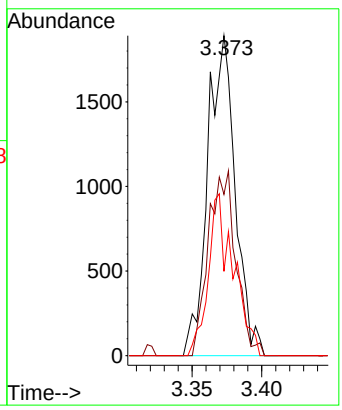




#32
1,1,1-Trichloroethane
Concen: 0.112 ppbv m
RT: 3.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 97 Resp: 260

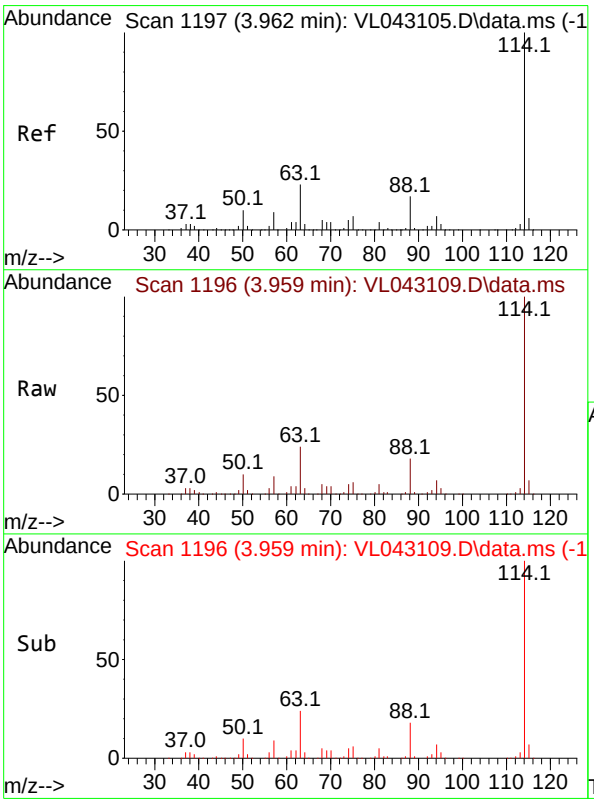
Ion	Ratio	Lower	Upper
97	100		
99	57.5	51.3	76.9
61	46.3	38.4	57.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

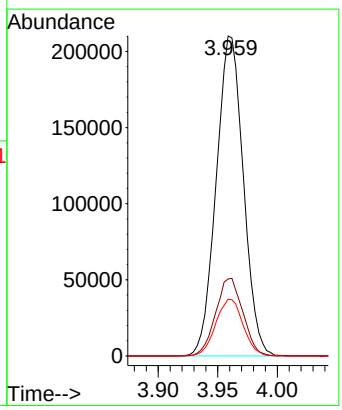
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

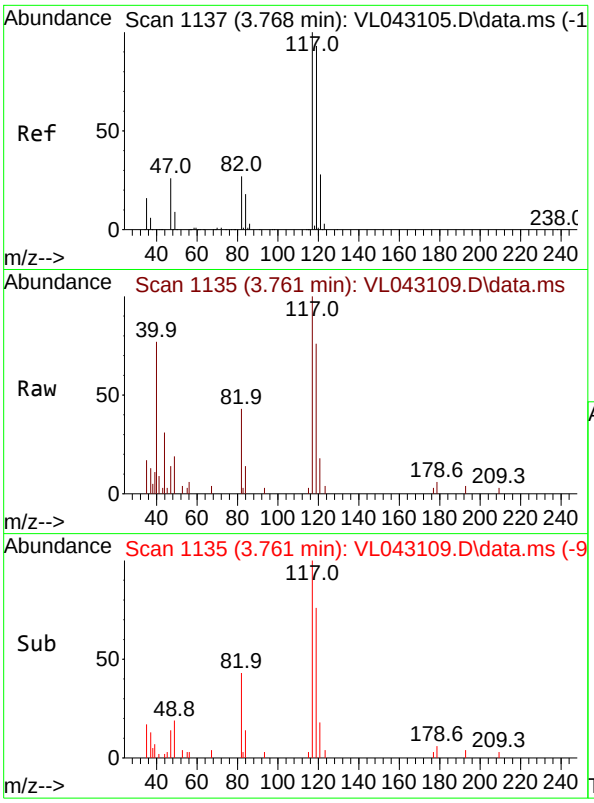


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:114 Resp: 332574

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.3	28.9
88	17.9	13.9	20.9

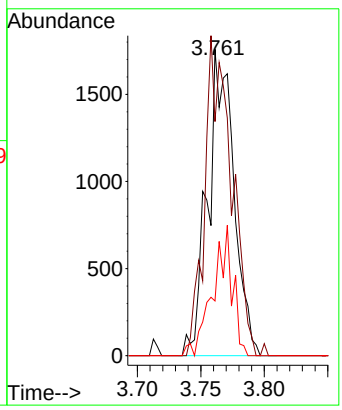




#35
Carbon Tetrachloride
Concen: 0.106 ppbv m
RT: 3.761 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:117 Resp: 253

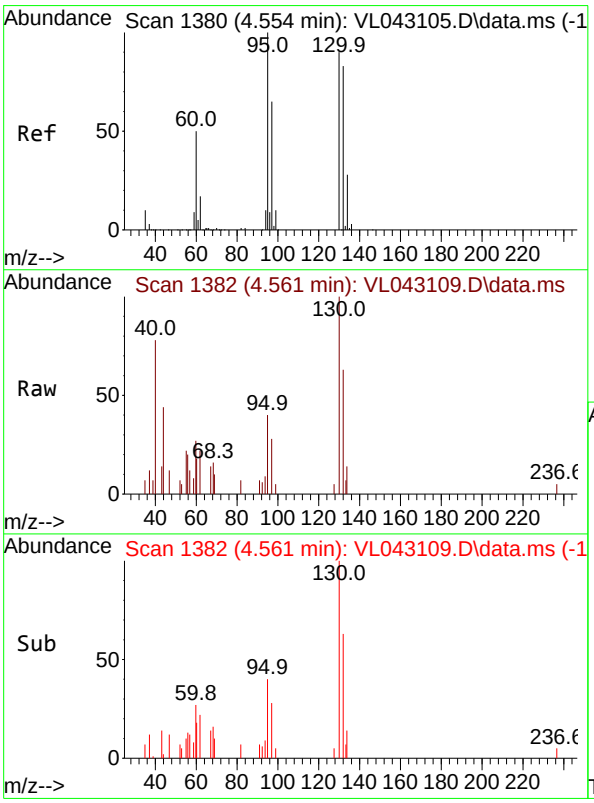
Ion	Ratio	Lower	Upper
117	100		
119	76.4	74.1	111.1
121	17.9	22.2	33.2#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

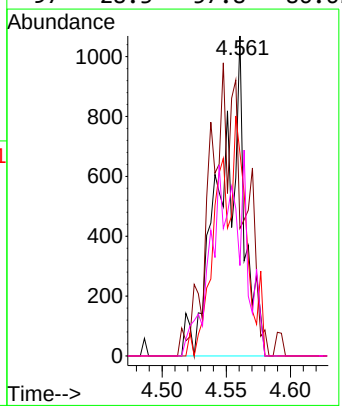
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

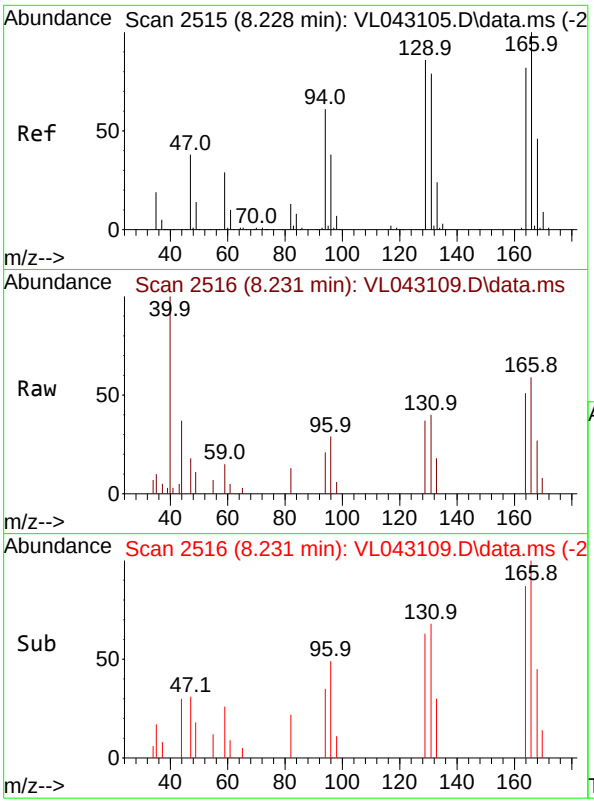


#38
Trichloroethene
Concen: 0.107 ppbv m
RT: 4.561 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:130 Resp: 1399

Ion	Ratio	Lower	Upper
130	100		
95	39.9	88.6	133.0#
132	63.4	73.4	110.0#
97	28.3	57.8	86.6#

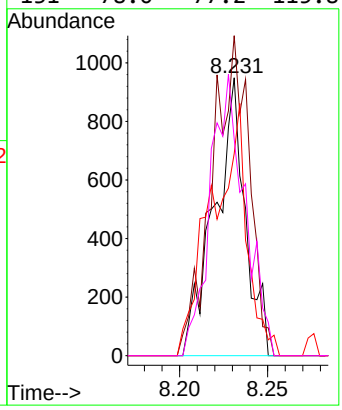




#52
Tetrachloroethene
Concen: 0.102 ppbv m
RT: 8.231 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:164 Resp: 114

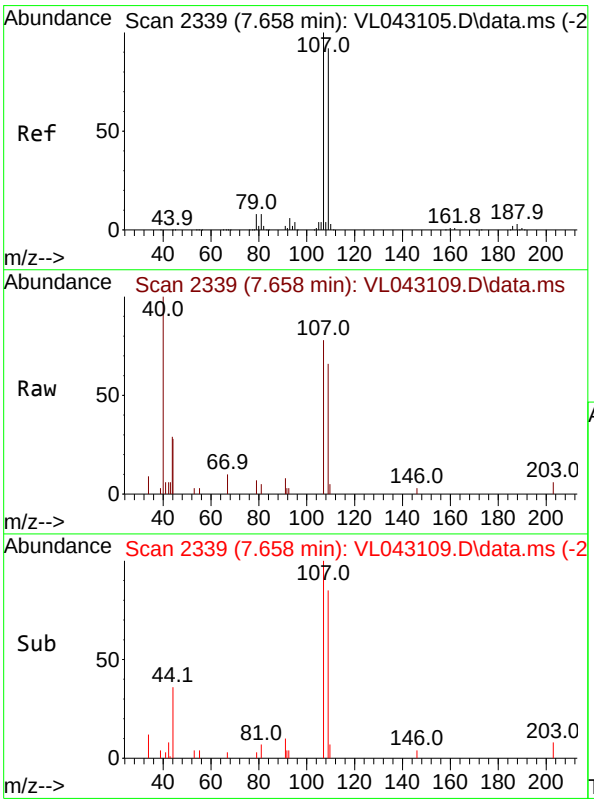
Ion	Ratio	Lower	Upper
164	100		
166	115.2	97.6	146.4
129	72.7	84.5	126.7#
131	78.0	77.2	115.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

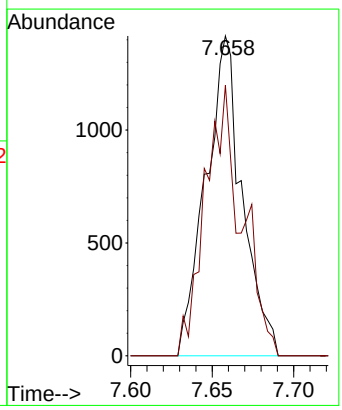
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

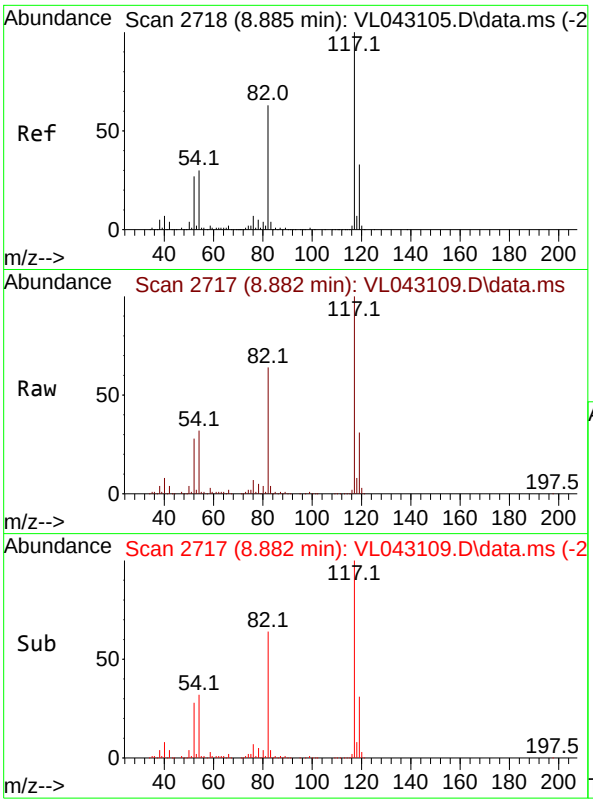


#54
1,2-Dibromoethane
Concen: 0.113 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:107 Resp: 2201

Ion	Ratio	Lower	Upper
107	100		
109	91.5	73.4	110.2

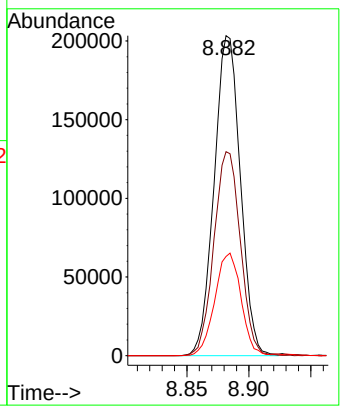




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:117 Resp: 29967

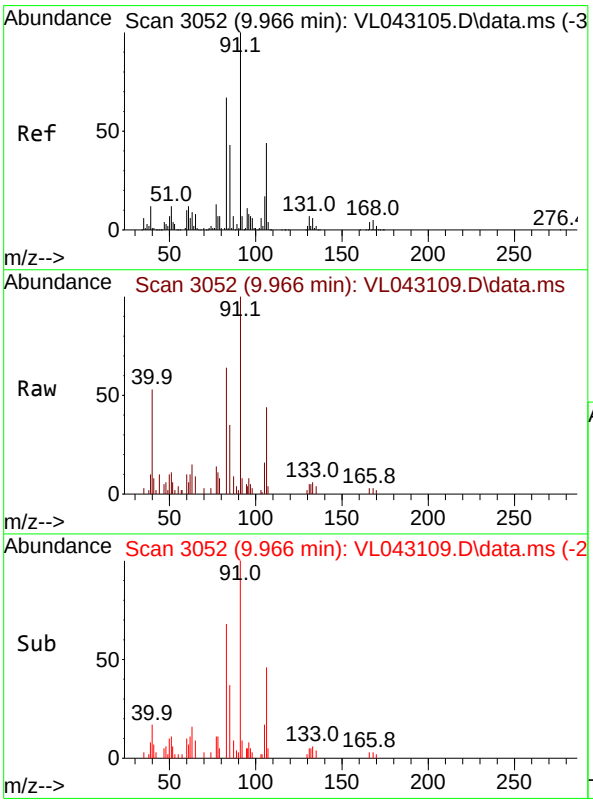
Ion	Ratio	Lower	Upper
117	100		
82	64.3	53.8	80.8
119	32.5	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

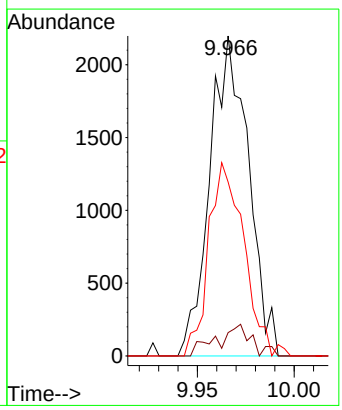
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

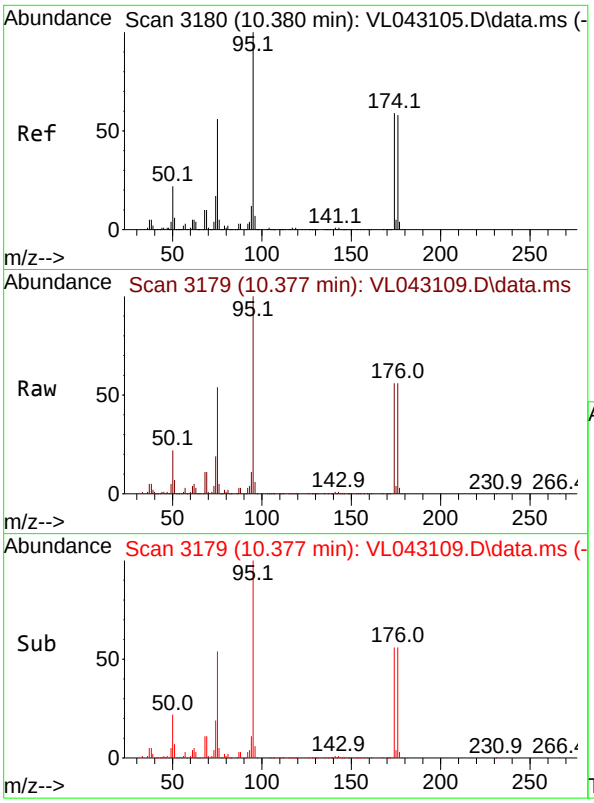


#63
1,1,2,2-Tetrachloroethane
Concen: 0.113 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 83 Resp: 3053

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.8	14.3
85	55.2	32.0	96.0

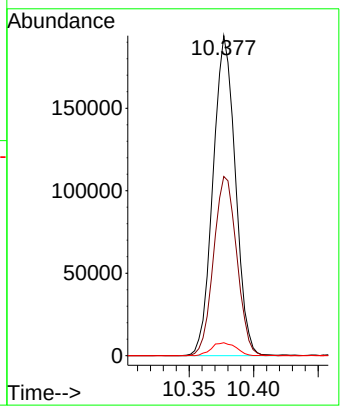




#68
1-Bromo-4-Fluorobenzene
Concen: 10.032 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 95 Resp: 23367

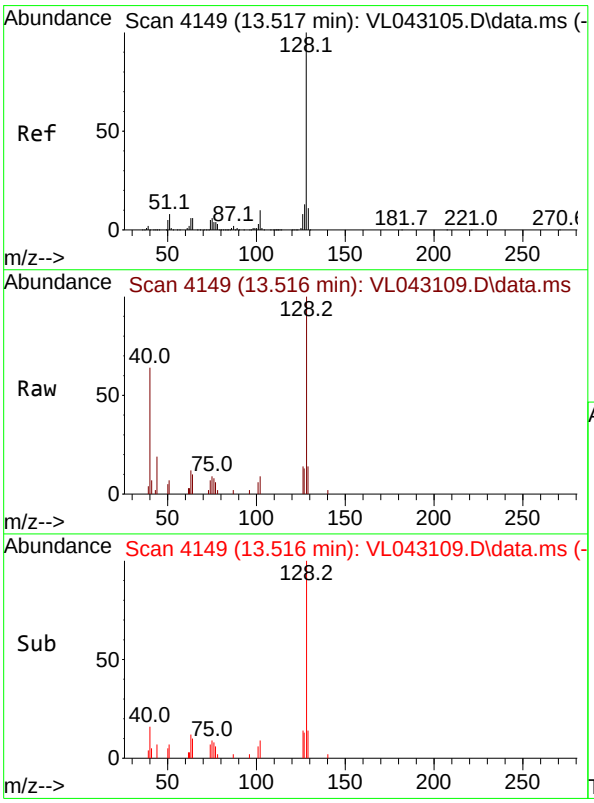
Ion	Ratio	Lower	Upper
95	100		
174	58.0	48.3	72.5
175	4.5	3.8	5.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

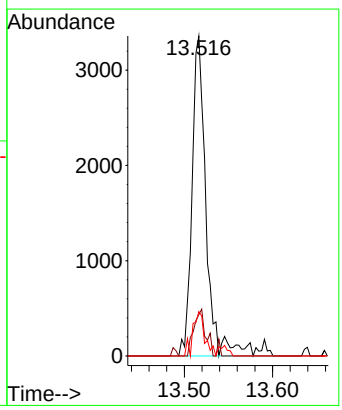
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#79
Naphthalene
Concen: 0.080 ppbv m
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:128 Resp: 3792

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	13.8	9.1	13.7#



Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

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

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

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

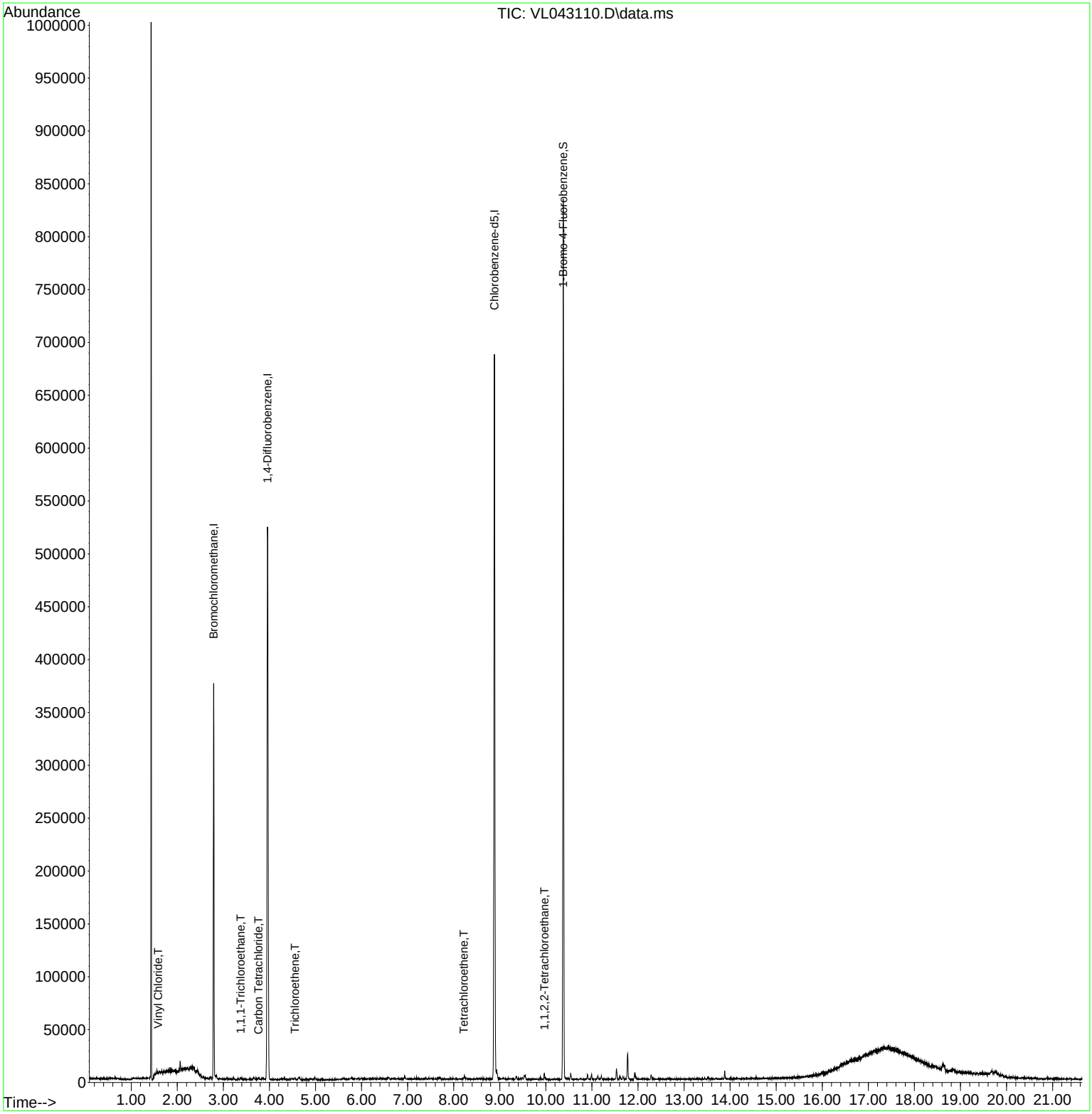
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043110.D
Acq On : 14 Oct 2025 13:42
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

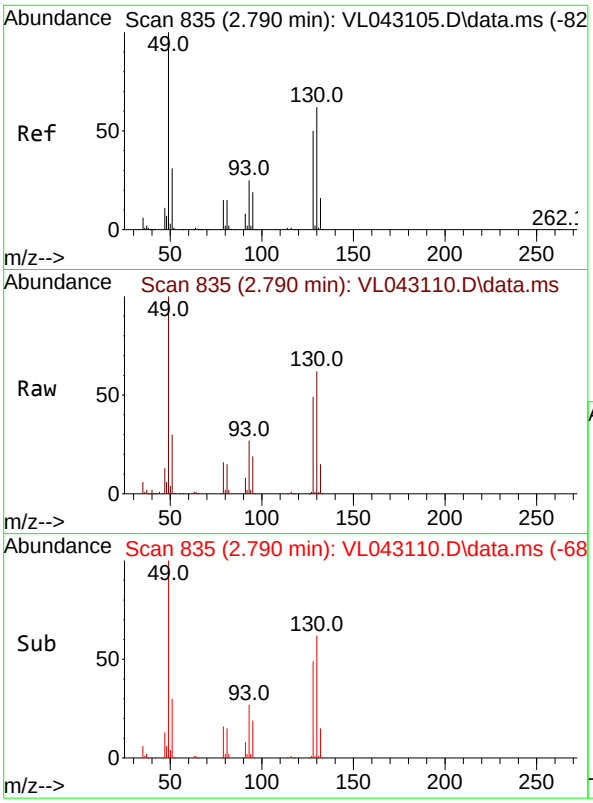
Quant Time: Oct 15 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

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

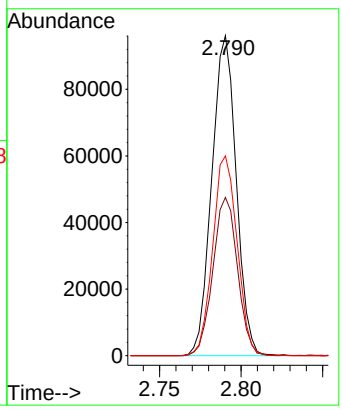




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 49 Resp: 10005

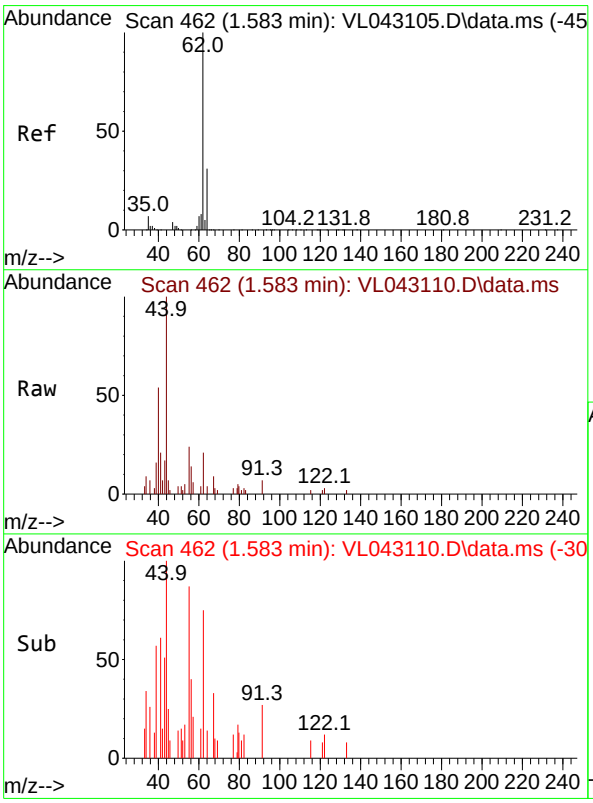
Ion	Ratio	Lower	Upper
49	100		
128	49.9	24.4	73.4
130	62.5	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

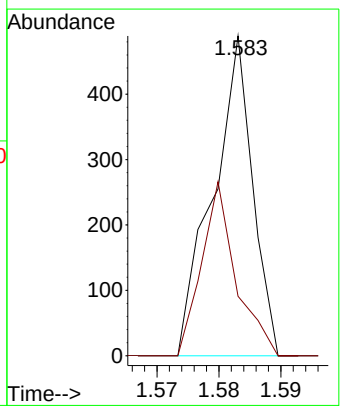
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

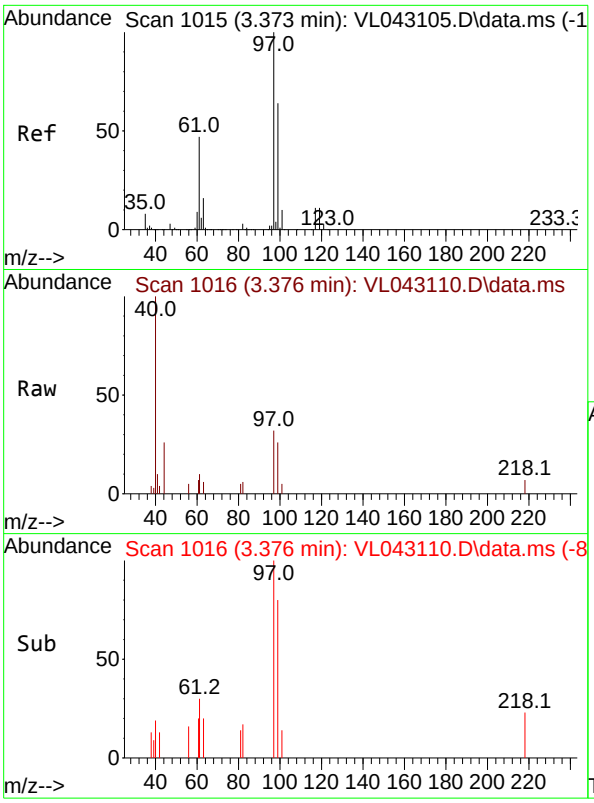


#5
Vinyl Chloride
Concen: 0.039 ppbv
RT: 1.583 min Scan# 462
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 62 Resp: 217

Ion	Ratio	Lower	Upper
62	100		
64	18.6	24.6	36.8#

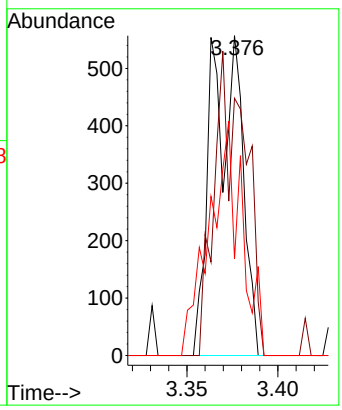




#32
1,1,1-Trichloroethane
Concen: 0.028 ppbv m
RT: 3.376 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 97 Resp: 65

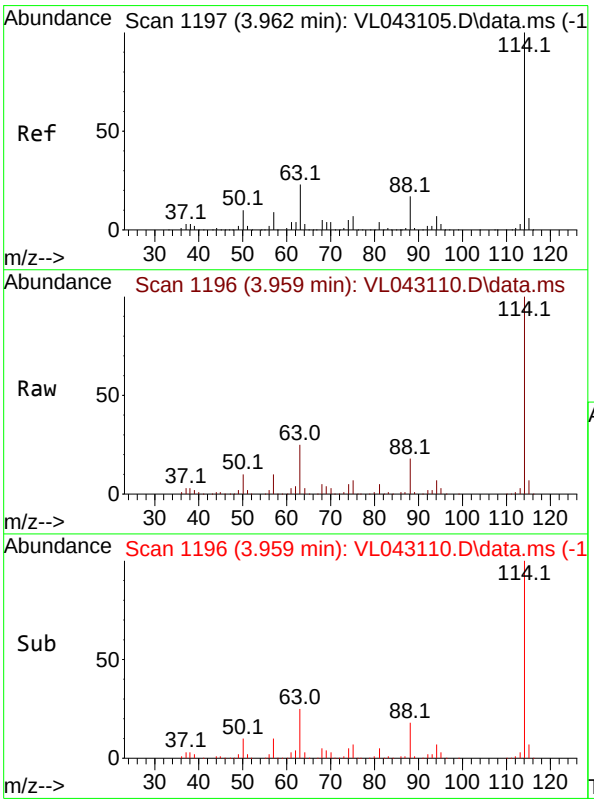
Ion	Ratio	Lower	Upper
97	100		
99	96.0	51.3	76.9#
61	77.4	38.4	57.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

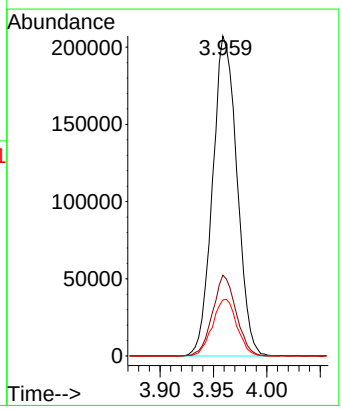
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

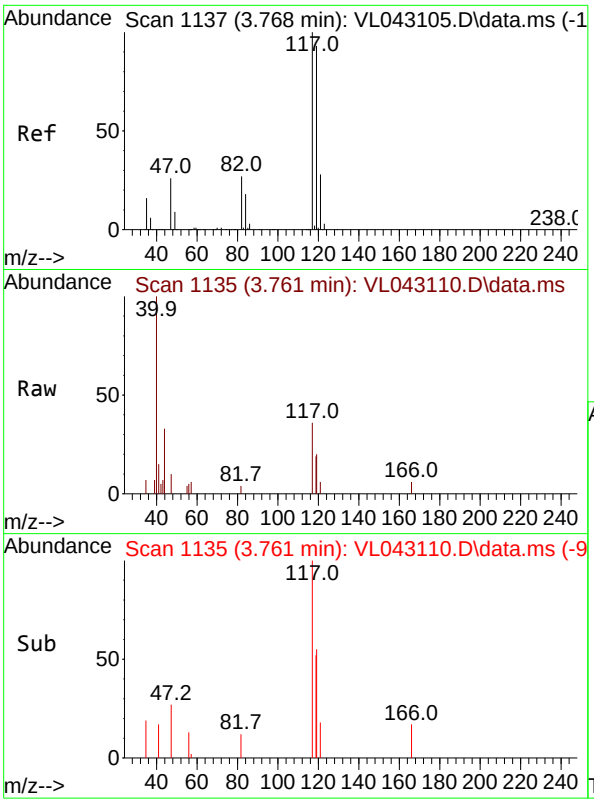


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:114 Resp: 328897

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.3	28.9
88	17.8	13.9	20.9

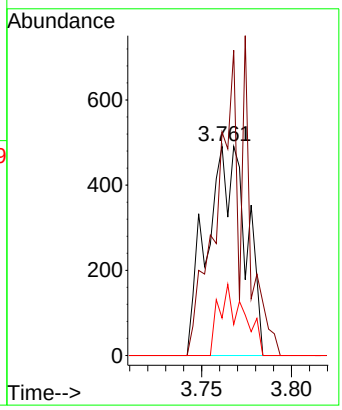




#35
Carbon Tetrachloride
Concen: 0.031 ppbv m
RT: 3.761 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:117 Resp: 74

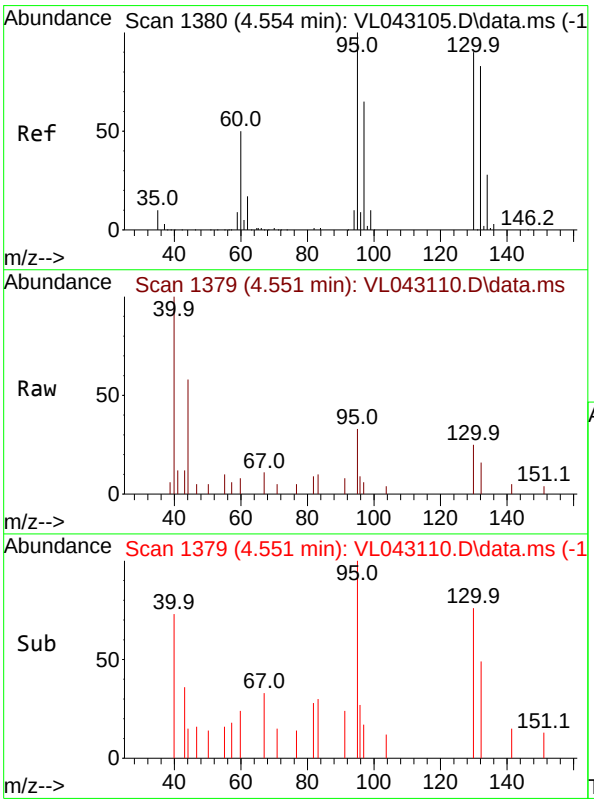
Ion	Ratio	Lower	Upper
117	100		
119	55.4	74.1	111.1#
121	17.9	22.2	33.2#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

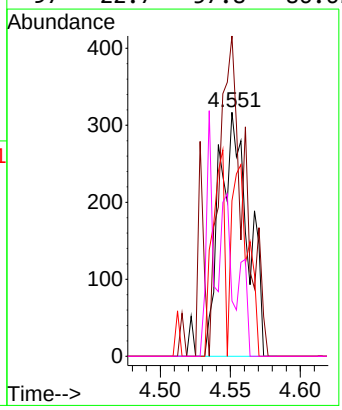
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

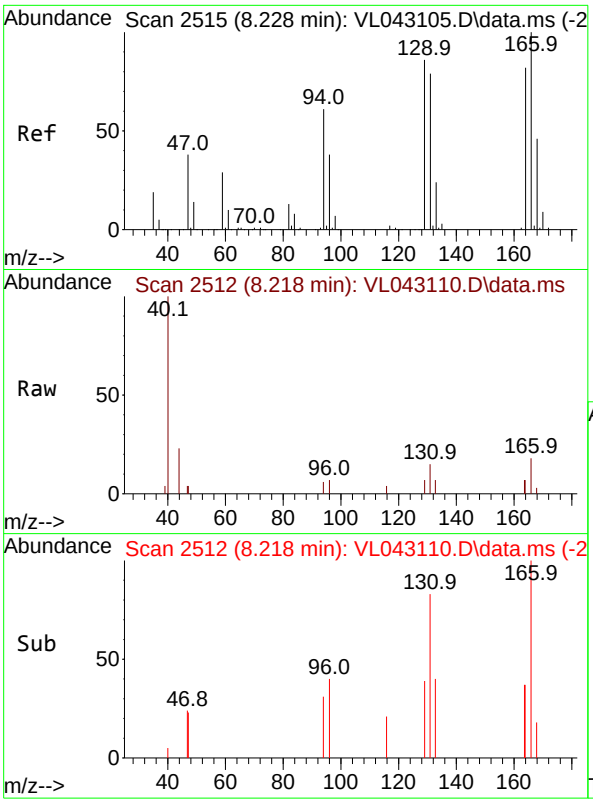


#38
Trichloroethene
Concen: 0.035 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:130 Resp: 454

Ion	Ratio	Lower	Upper
130	100		
95	131.2	88.6	133.0
132	63.7	73.4	110.0#
97	22.7	57.8	86.6#

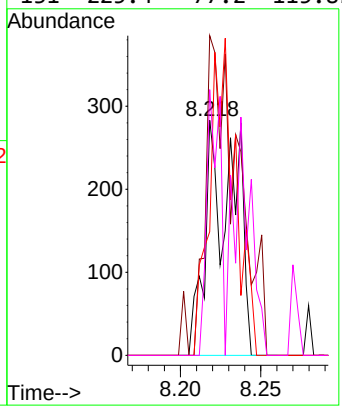




#52
Tetrachloroethene
Concen: 0.031 ppbv m
RT: 8.218 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:164 Resp: 34

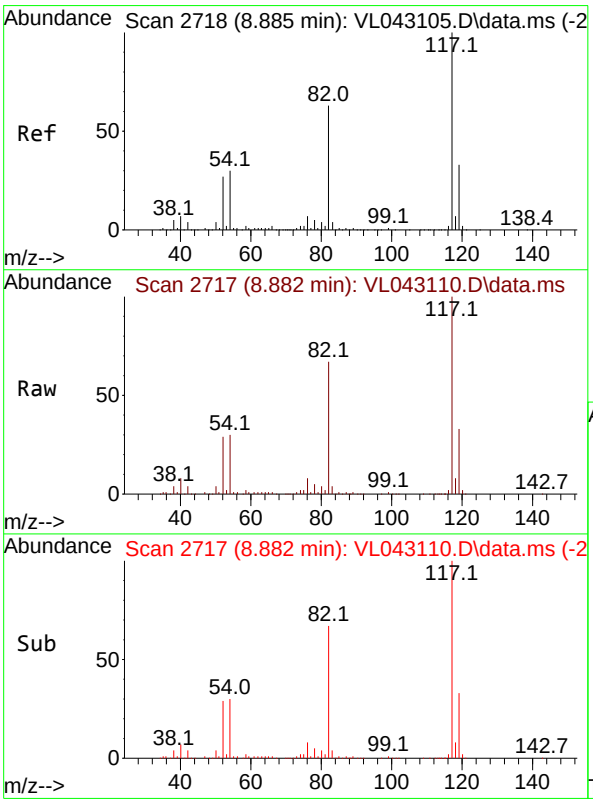
Ion	Ratio	Lower	Upper
164	100		
166	271.1	97.6	146.4#
129	104.9	84.5	126.7
131	225.4	77.2	115.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

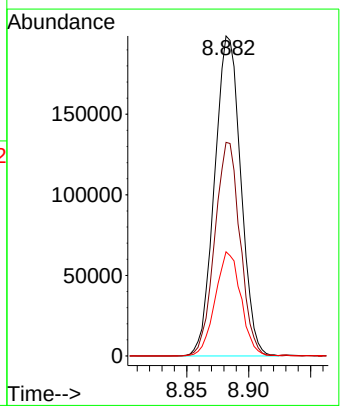
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

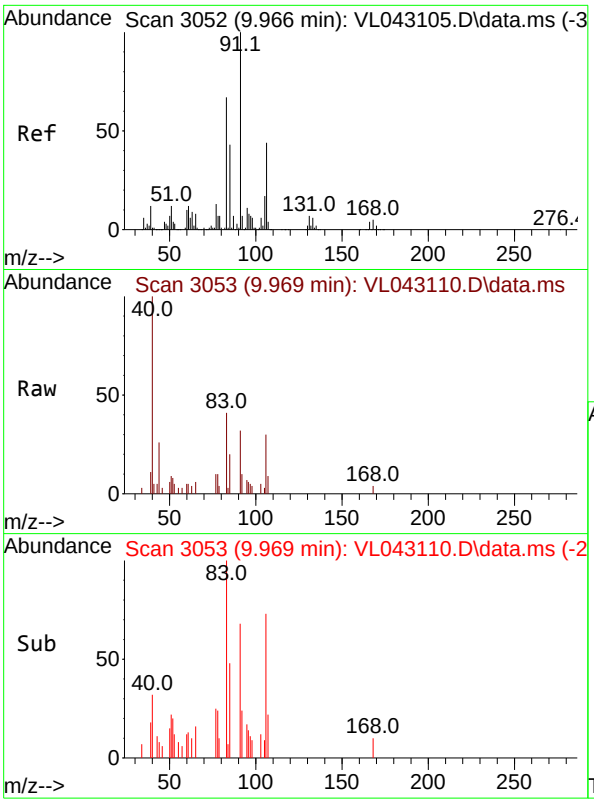


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:117 Resp: 292884

Ion	Ratio	Lower	Upper
117	100		
82	64.7	53.8	80.8
119	32.1	25.4	38.0





#63
1,1,2,2-Tetrachloroethane
Concen: 0.034 ppbv m
RT: 9.969 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

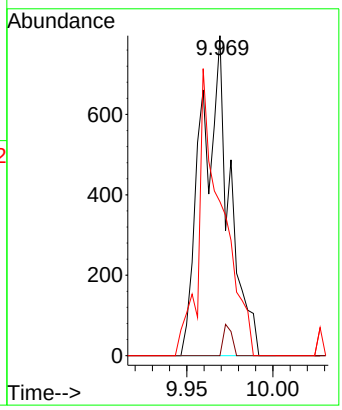
Tgt Ion: 83 Resp: 90

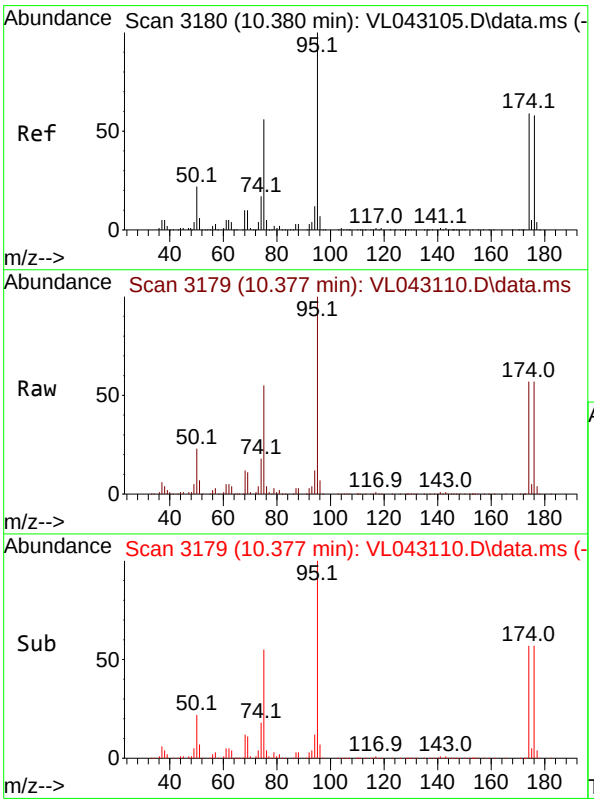
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	74.1	32.0	96.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

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

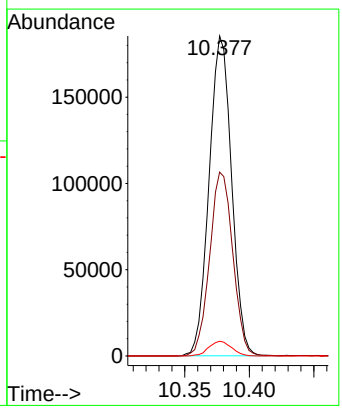




#68
1-Bromo-4-Fluorobenzene
Concen: 9.841 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 95 Resp: 224043

Ion	Ratio	Lower	Upper
95	100		
174	59.2	48.3	72.5
175	4.7	3.8	5.8



Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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

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

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

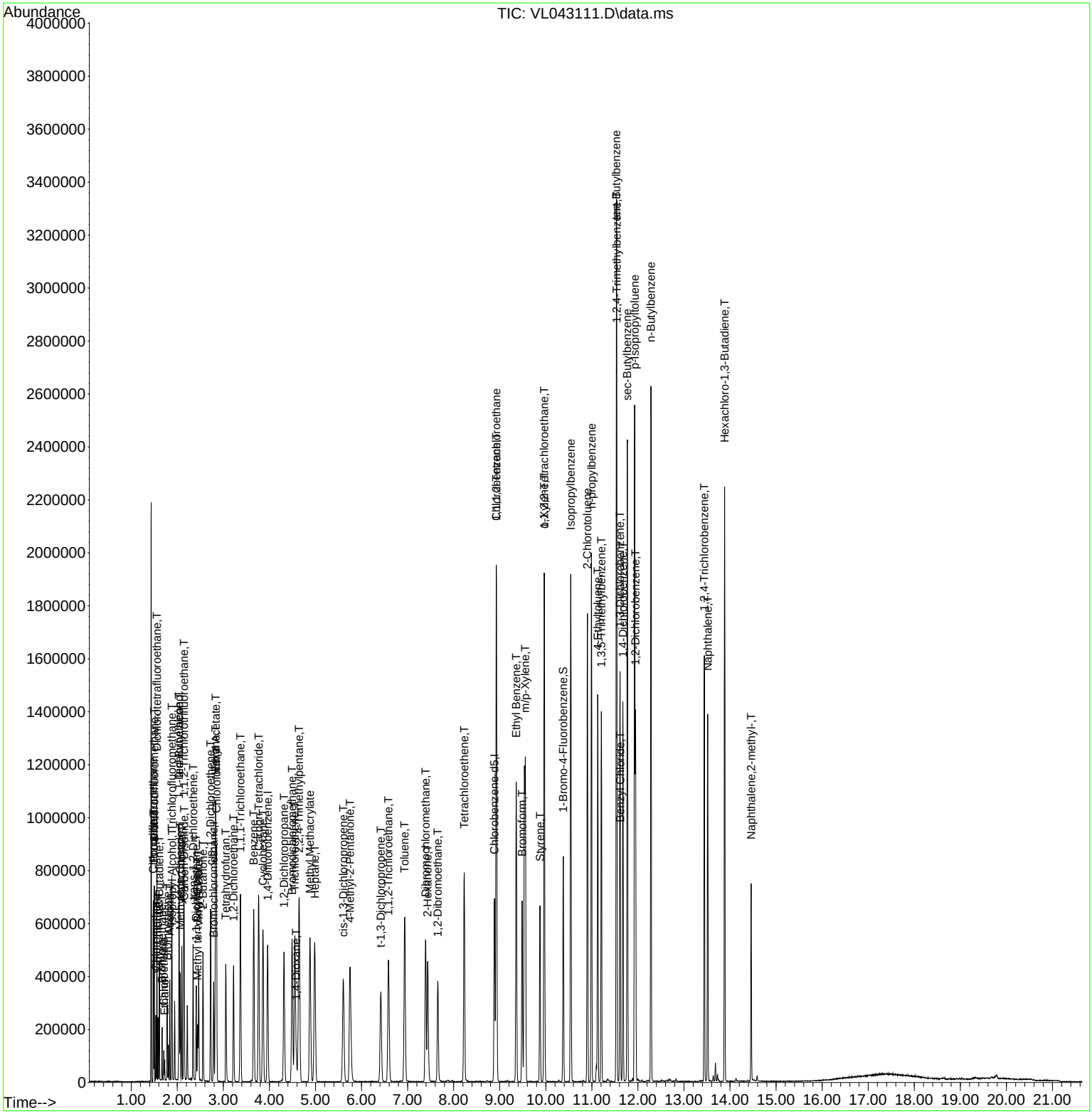
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043111.D
Acq On : 14 Oct 2025 14:18
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

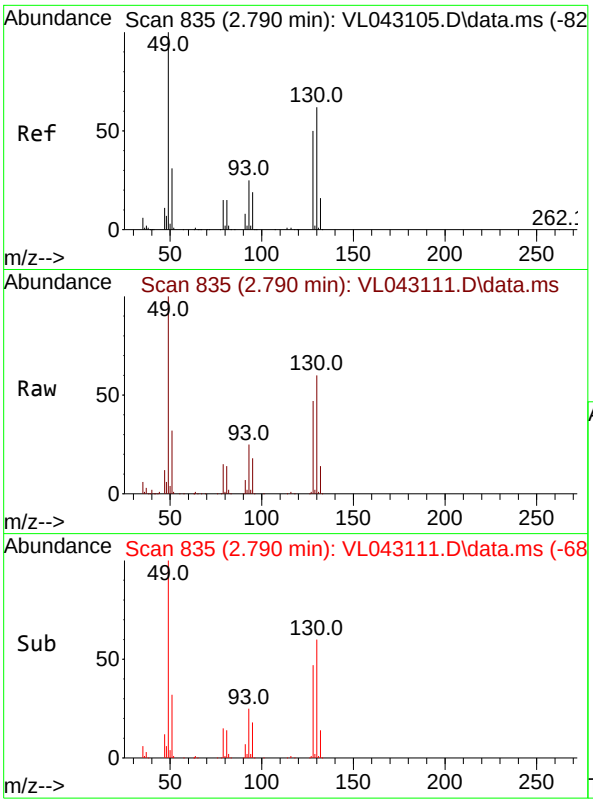
Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

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

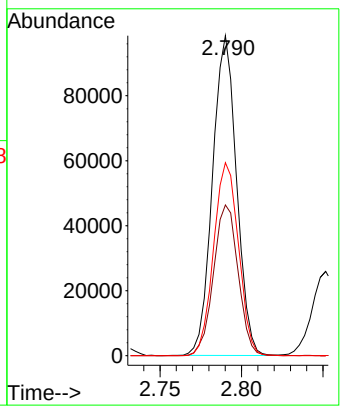




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 49 Resp: 10085

Ion	Ratio	Lower	Upper
49	100		
128	48.4	24.4	73.4
130	62.4	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
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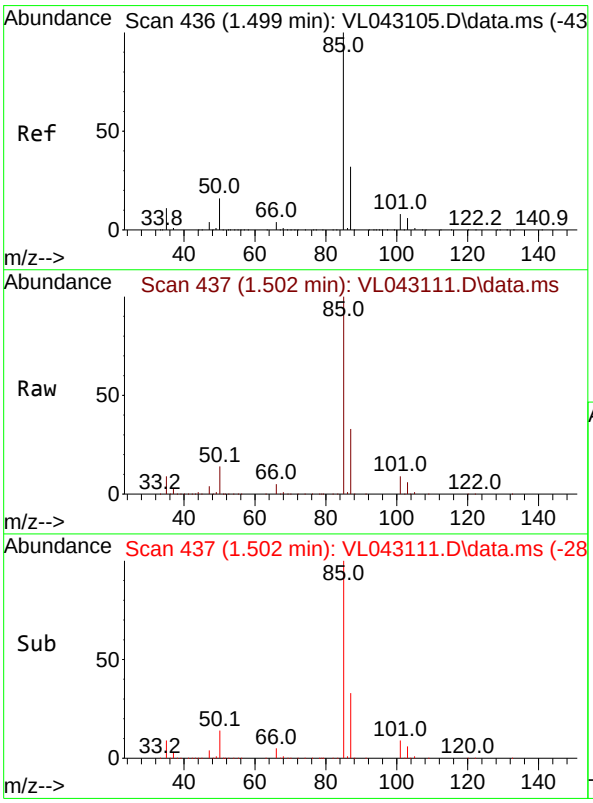
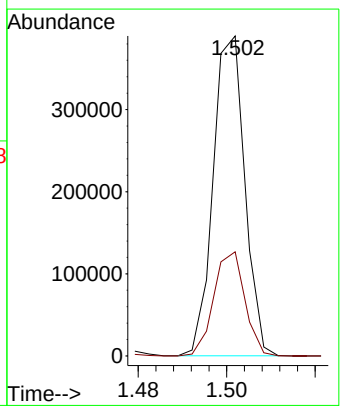
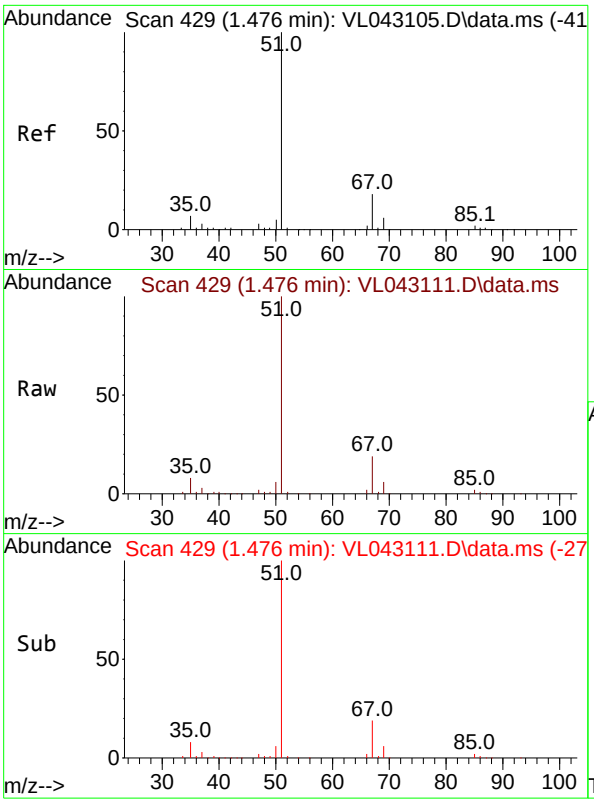


#2
Dichlorodifluoromethane
Concen: 13.485 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 85 Resp: 193353

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.3	37.9

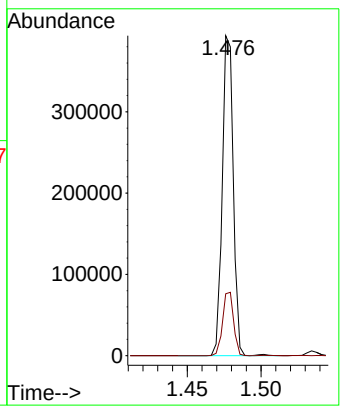




#3
Chlorodifluoromethane
Concen: 13.255 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 51 Resp: 20565

Ion	Ratio	Lower	Upper
51	100		
67	20.0	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
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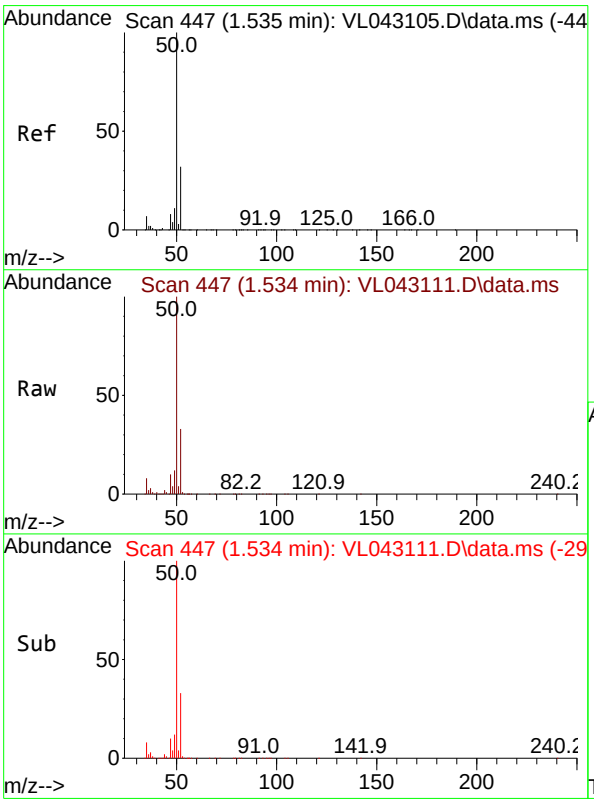
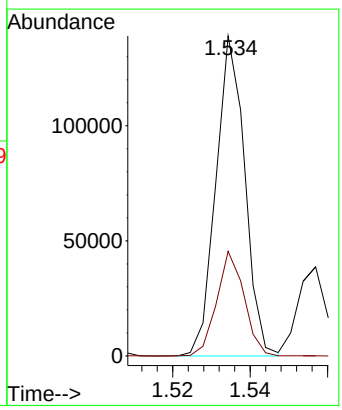
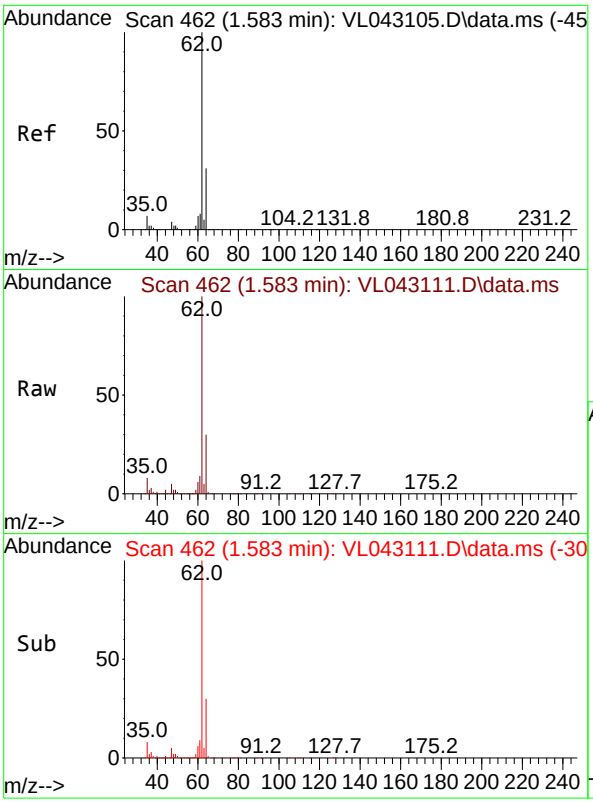


#4
Chloromethane
Concen: 12.695 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 50 Resp: 72111

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.2	37.8

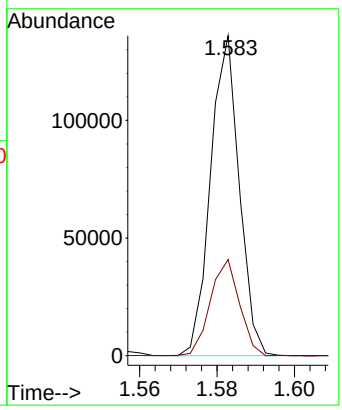




#5
Vinyl Chloride
Concen: 12.548 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 62 Resp: 6990

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.6	36.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
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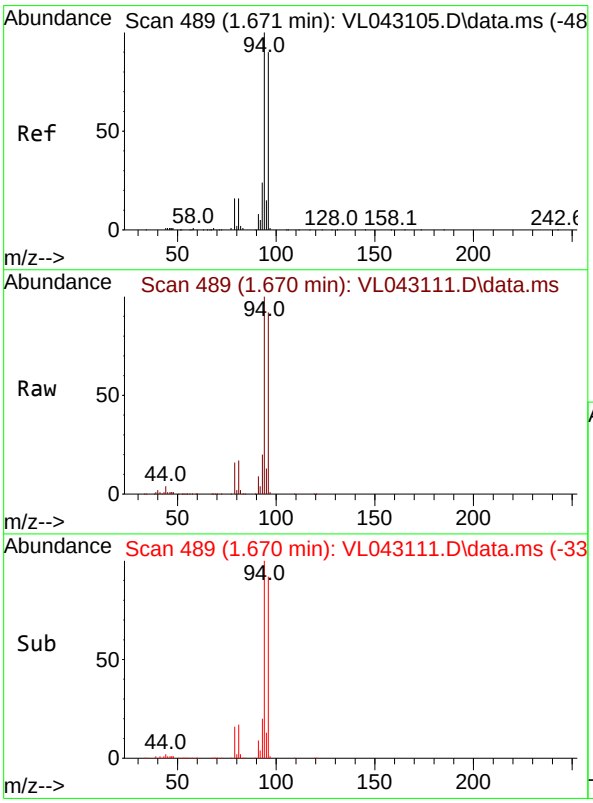
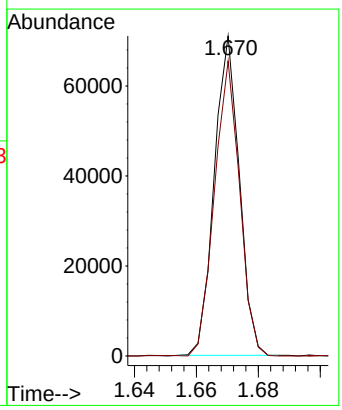
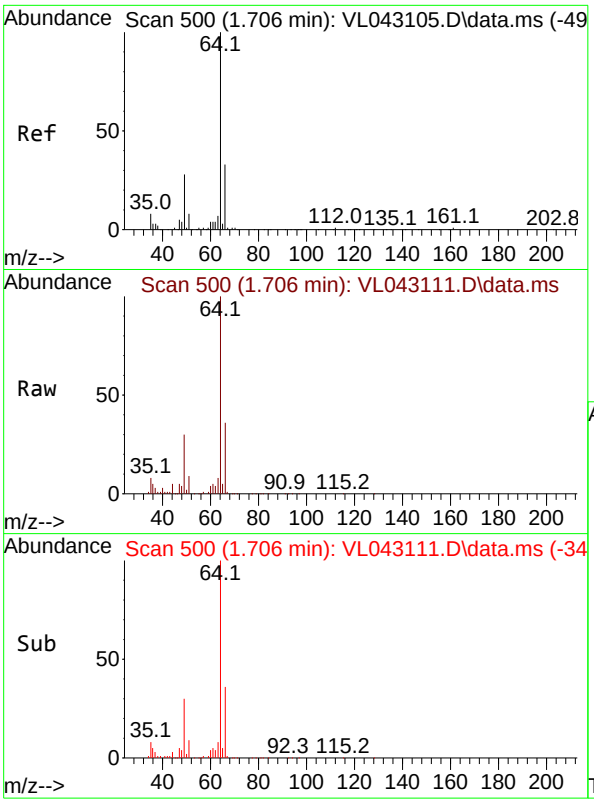


#6
Bromomethane
Concen: 13.013 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 94 Resp: 39756

Ion	Ratio	Lower	Upper
94	100		
96	92.4	72.2	108.4





#7
Chloroethane
Concen: 12.164 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

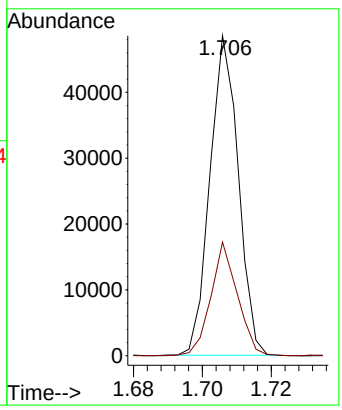
Tgt Ion: 64 Resp: 2770

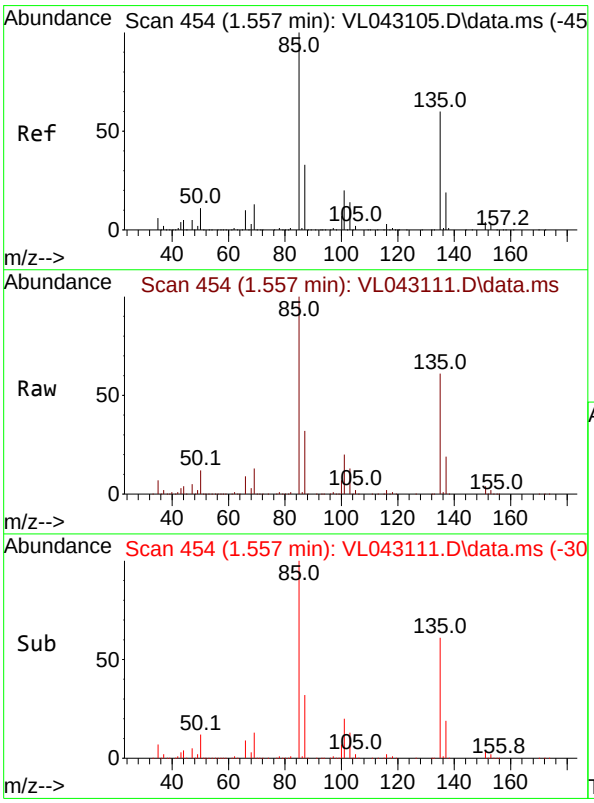
Ion	Ratio	Lower	Upper
64	100		
66	35.5	26.0	39.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

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

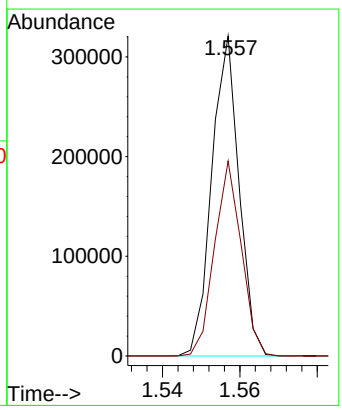


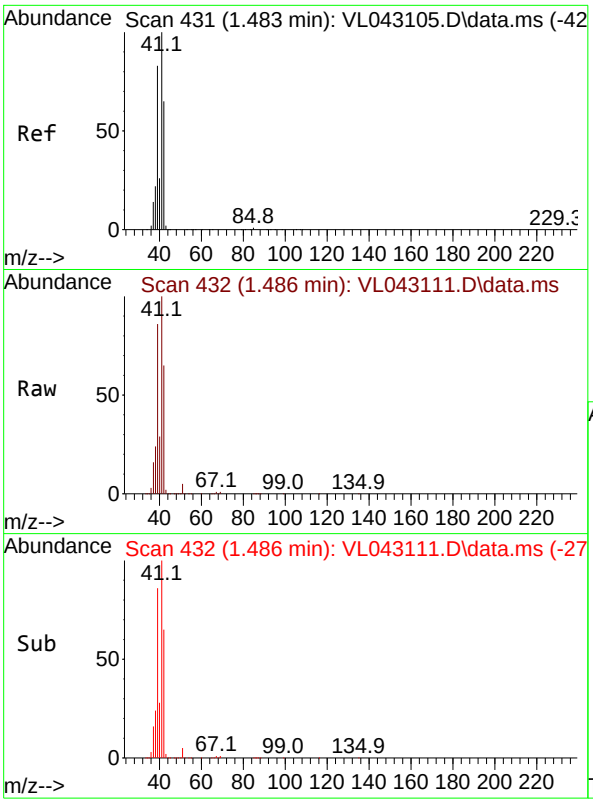


#8
Dichlorotetrafluoroethane
Concen: 13.526 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 85 Resp: 156753

Ion	Ratio	Lower	Upper
85	100		
135	60.1	48.2	72.4

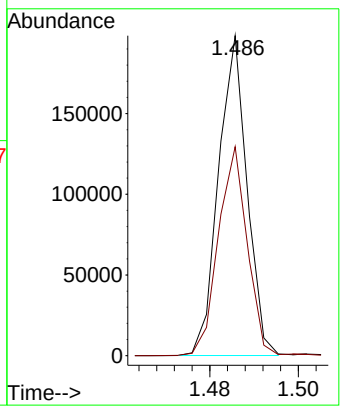




#9
Propene
Concen: 12.854 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 41 Resp: 8845

Ion	Ratio	Lower	Upper
41	100		
42	67.2	55.1	82.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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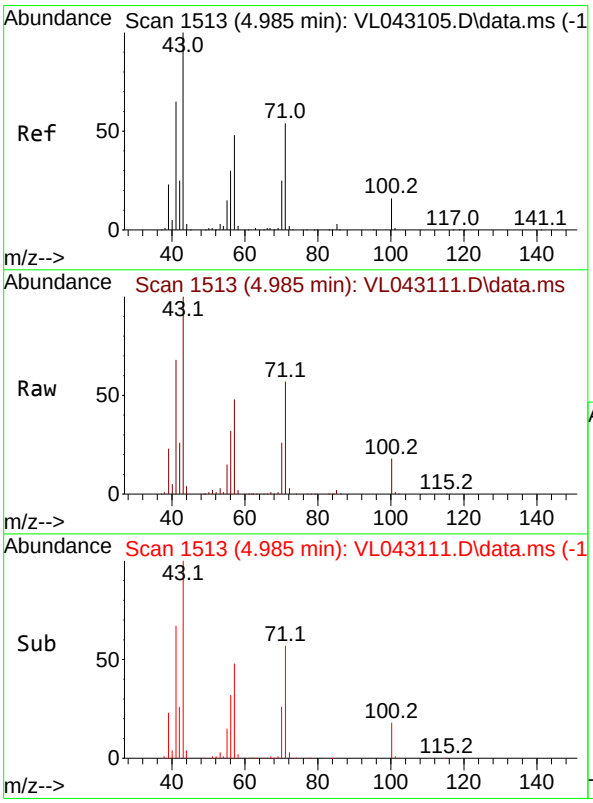
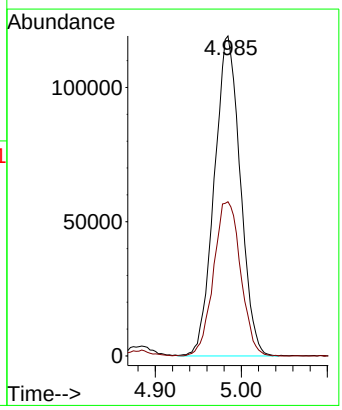
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

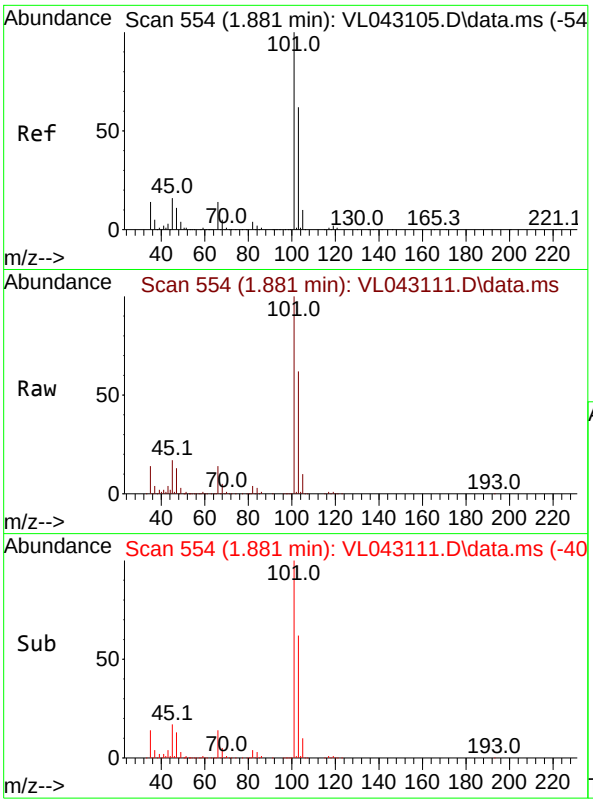


#10
Heptane
Concen: 12.658 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 43 Resp: 249682

Ion	Ratio	Lower	Upper
43	100		
57	50.3	40.8	61.2

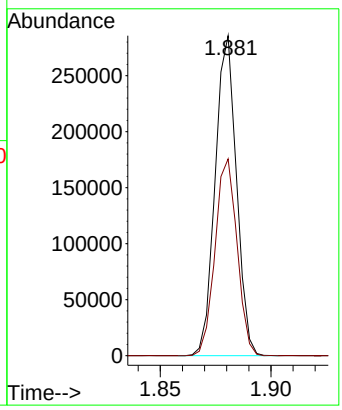




#11
Trichlorofluoromethane
Concen: 13.640 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:101 Resp: 19130

Ion	Ratio	Lower	Upper
101	100		
103	61.5	49.3	73.9



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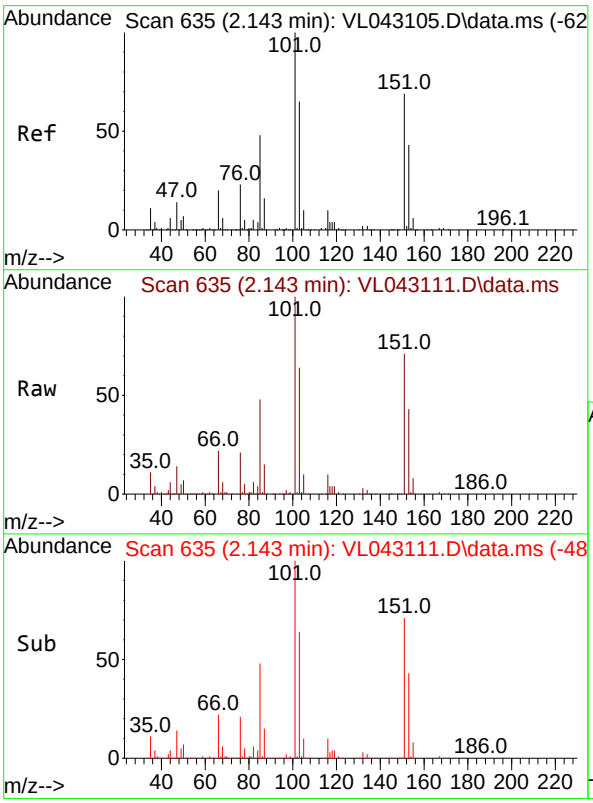
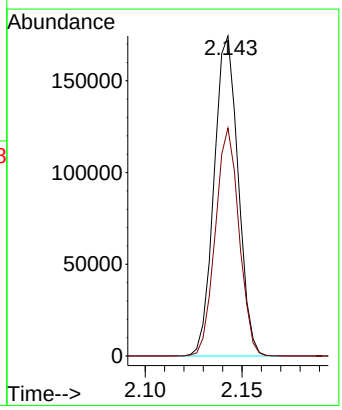
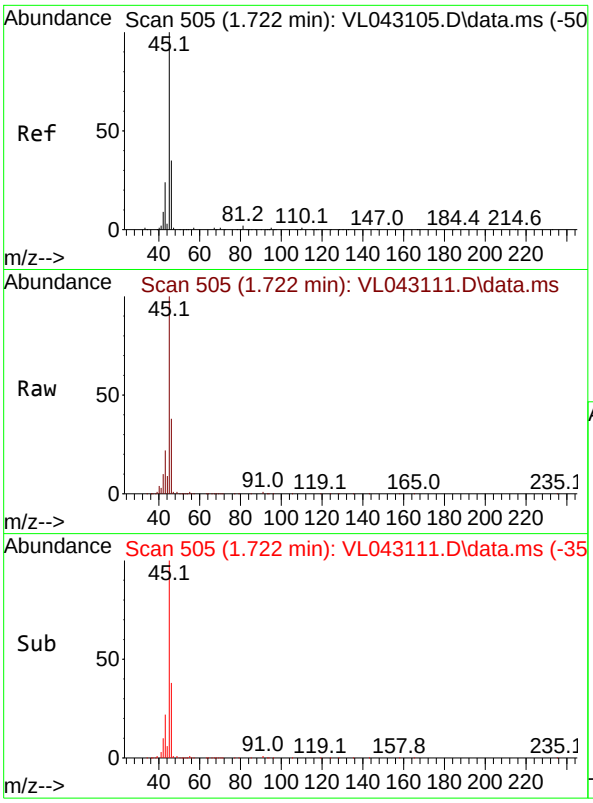


#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.341 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:101 Resp: 150640

Ion	Ratio	Lower	Upper
101	100		
151	70.0	54.7	82.1

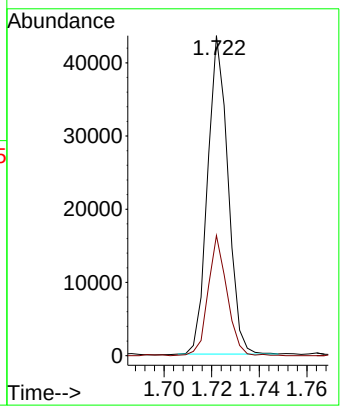




#13
Ethanol
Concen: 10.148 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 45 Resp: 2582

Ion	Ratio	Lower	Upper
45	100		
46	35.5	14.7	58.9



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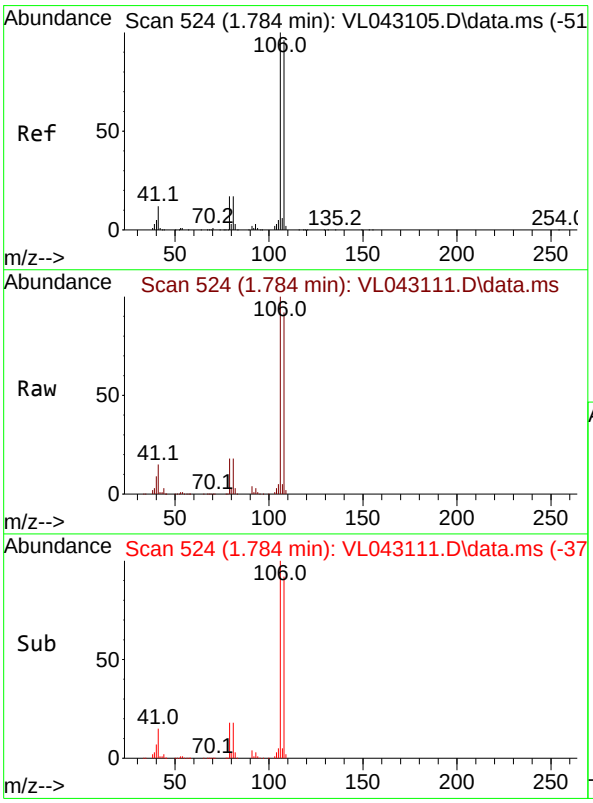
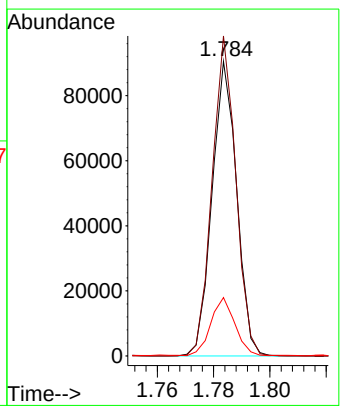
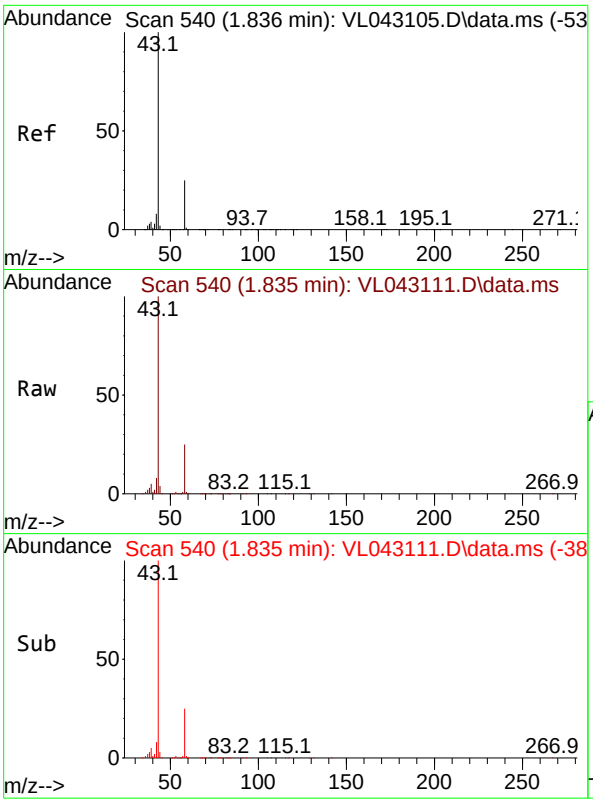


#14
Bromoethene
Concen: 13.068 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:108 Resp: 54818

Ion	Ratio	Lower	Upper
108	100		
106	104.9	84.4	126.6
79	20.2	15.3	22.9

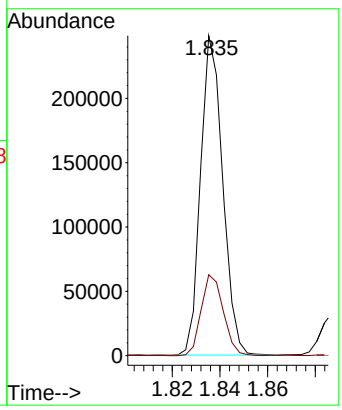




#15
Acetone
Concen: 11.710 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 43 Resp: 160069

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.8	31.2



Instrument :
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ClientSampleId :
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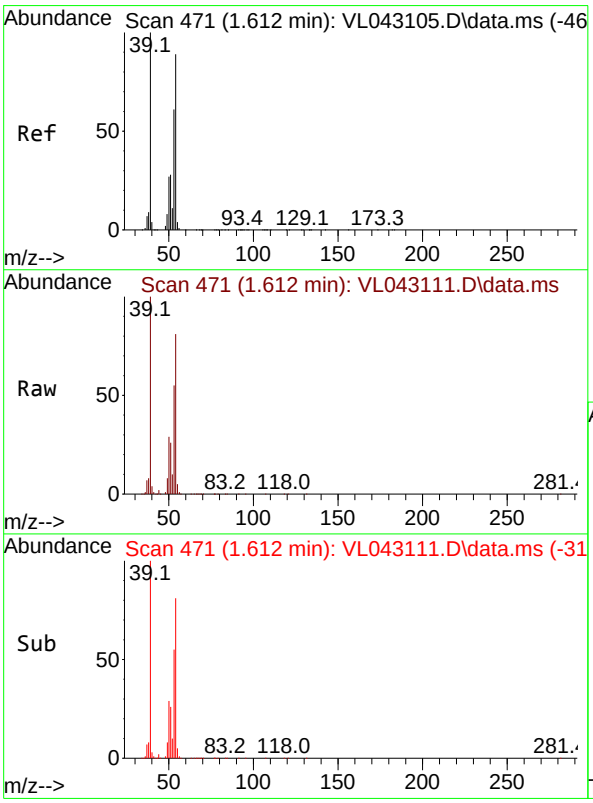
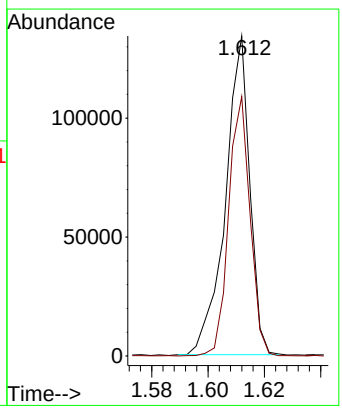
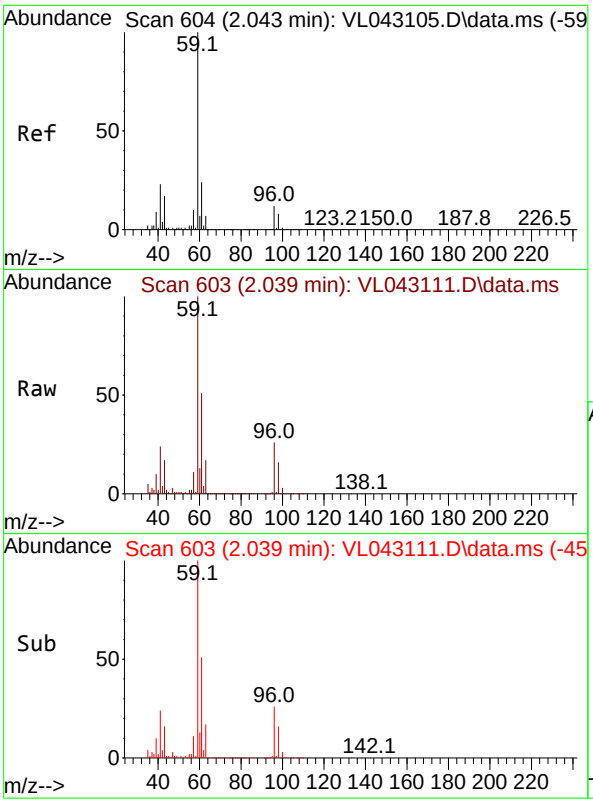


#16
1,3-Butadiene
Concen: 12.411 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 39 Resp: 80403

Ion	Ratio	Lower	Upper
39	100		
54	71.8	59.0	88.4

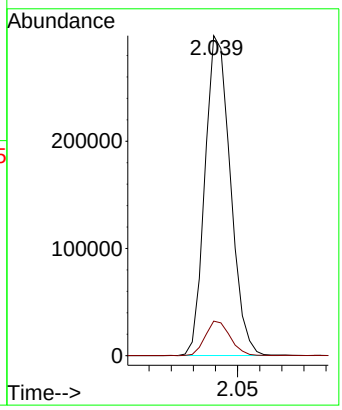




#17
tert-Butyl alcohol
Concen: 12.735 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 59 Resp: 23763

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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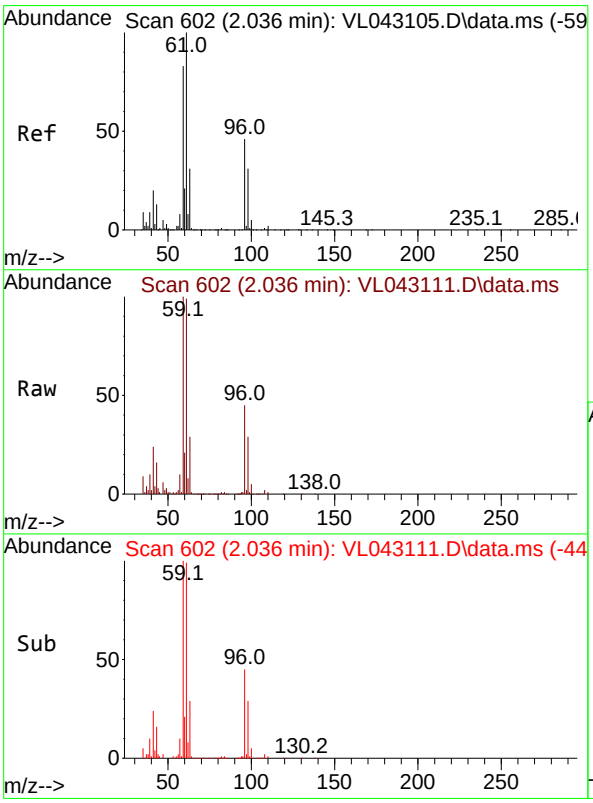
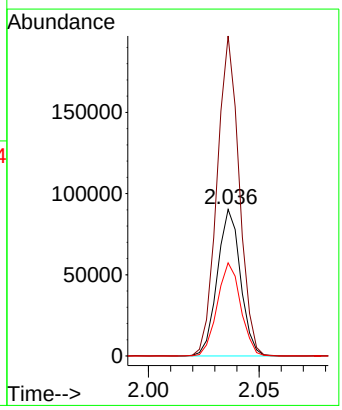
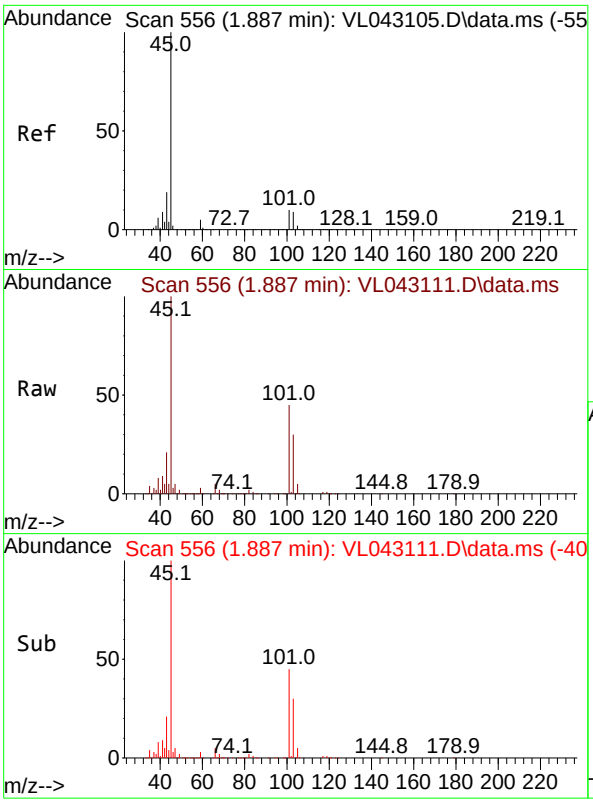


#18
1,1-Dichloroethene
Concen: 13.333 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 96 Resp: 65634

Ion	Ratio	Lower	Upper
96	100		
61	218.2	173.4	260.0
98	63.5	53.2	79.8

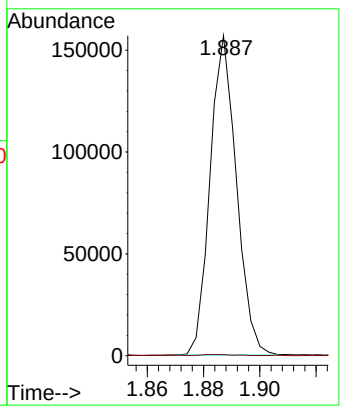




#19
Isopropyl Alcohol
Concen: 12.051 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 45 Resp: 10203

Ion	Ratio	Lower	Upper
45	100		
58	40.2	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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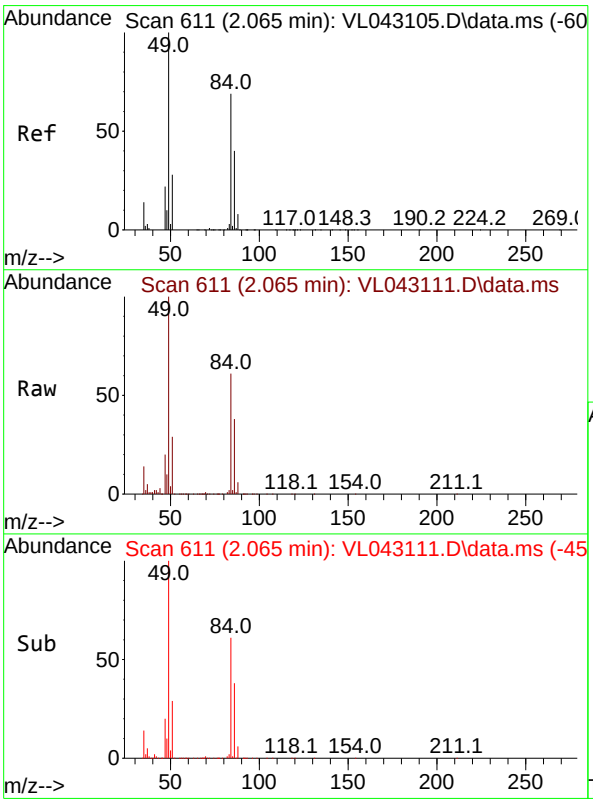
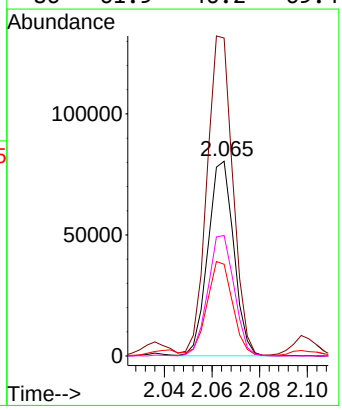
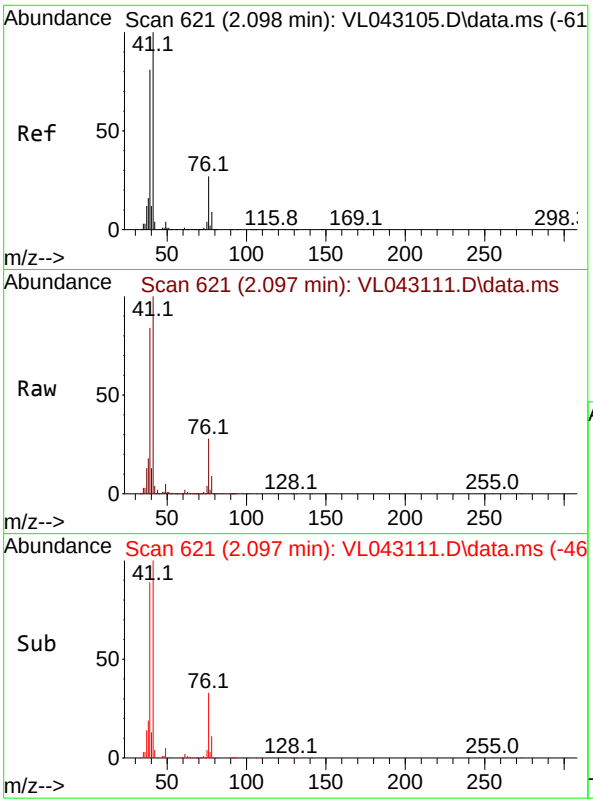


#20
Methylene Chloride
Concen: 11.268 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 84 Resp: 60549

Ion	Ratio	Lower	Upper
84	100		
49	162.4	116.6	175.0
51	46.6	34.8	52.2
86	61.9	46.2	69.4

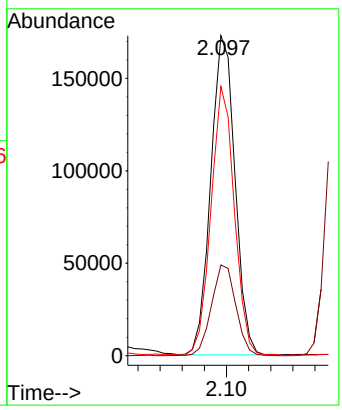




#21
Allyl Chloride
Concen: 13.105 ppbv
RT: 2.097 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 41 Resp: 13153

Ion	Ratio	Lower	Upper
41	100		
76	28.8	21.5	32.3
39	80.9	60.8	91.2



Instrument :
MSVOA_L
ClientSampleId :
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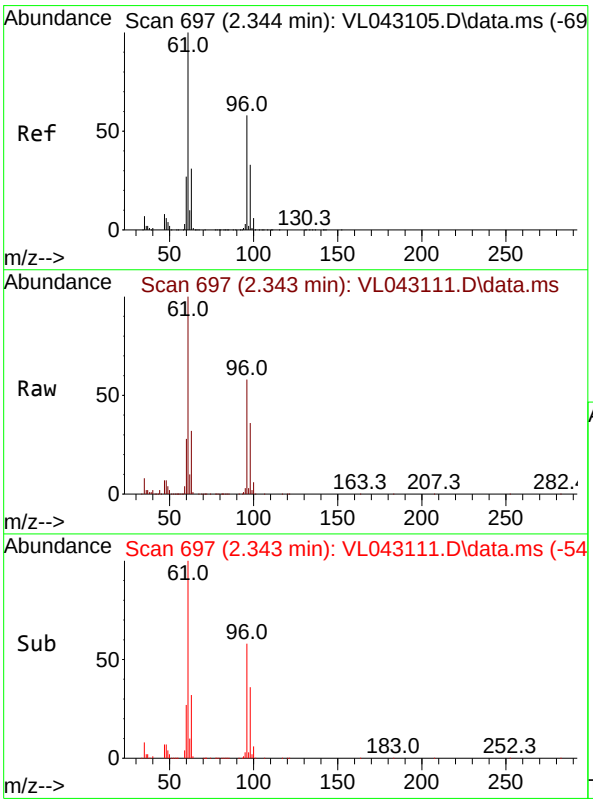
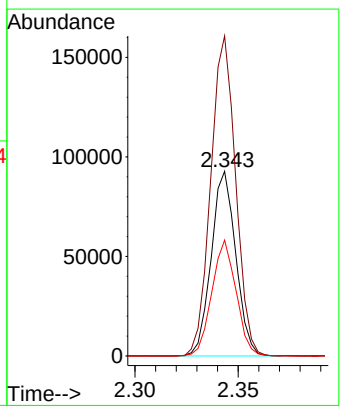
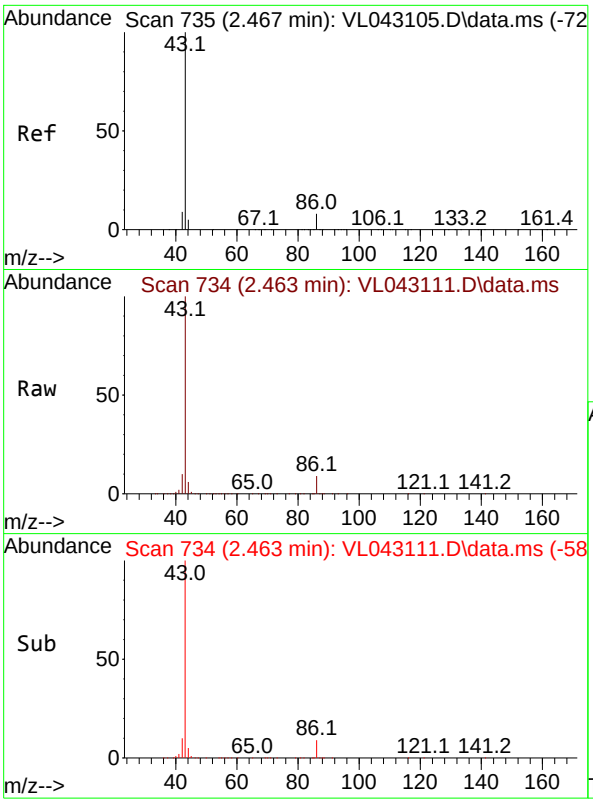


#22
trans-1,2-Dichloroethene
Concen: 13.048 ppbv
RT: 2.343 min Scan# 697
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 96 Resp: 76780

Ion	Ratio	Lower	Upper
96	100		
61	173.2	137.0	205.6
98	62.8	45.5	68.3

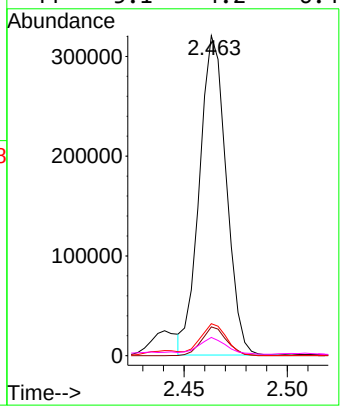




#23
Vinyl Acetate
Concen: 14.476 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 43 Resp: 28827

Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.2	9.2
42	10.0	7.6	11.4
44	5.1	4.2	6.4



Instrument :
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ClientSampleId :
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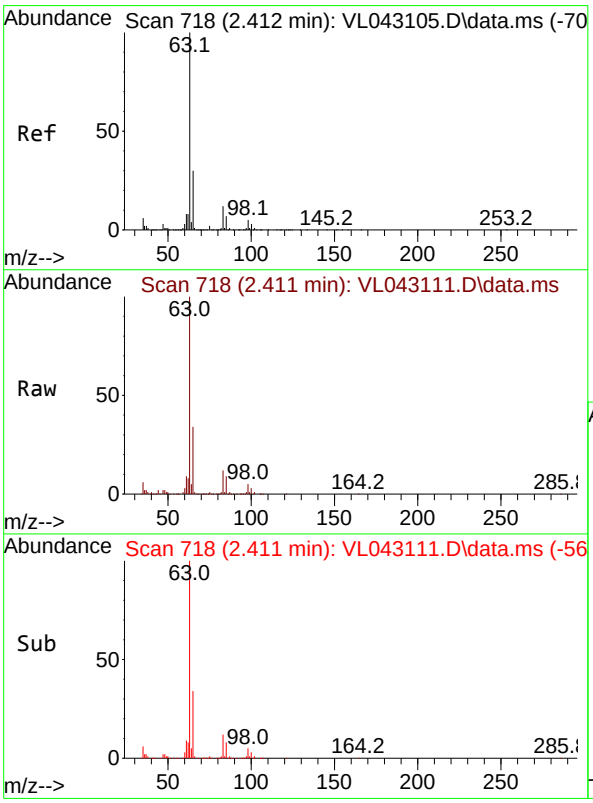
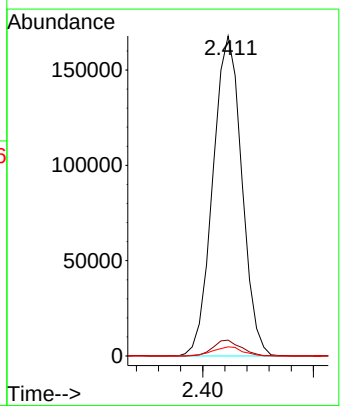
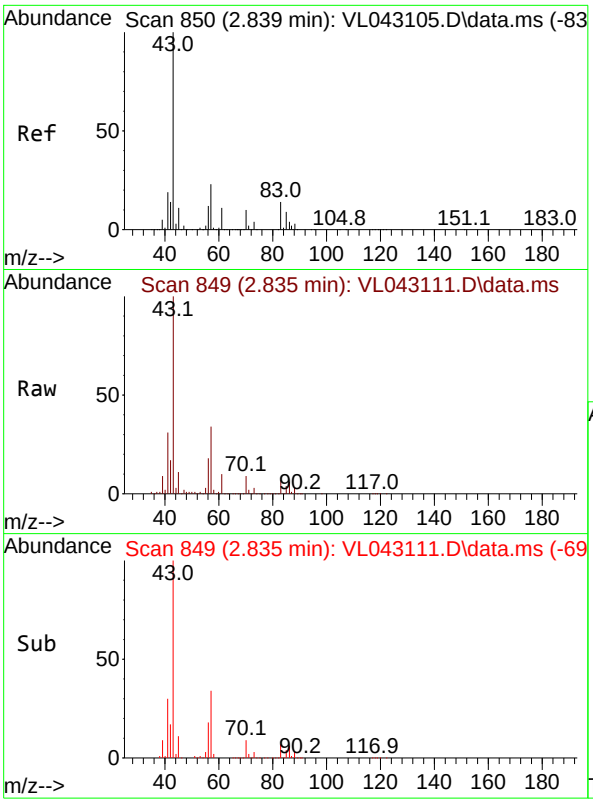


#24
1,1-Dichloroethane
Concen: 13.428 ppbv
RT: 2.411 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 63 Resp: 152663

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	2.8	1.5	4.4

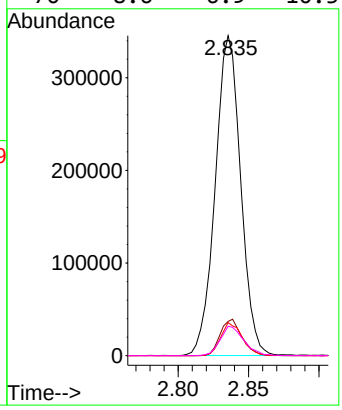




#25
Ethyl Acetate
Concen: 12.884 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 43 Resp: 43435

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	8.9	7.0	10.6
70	8.6	6.9	10.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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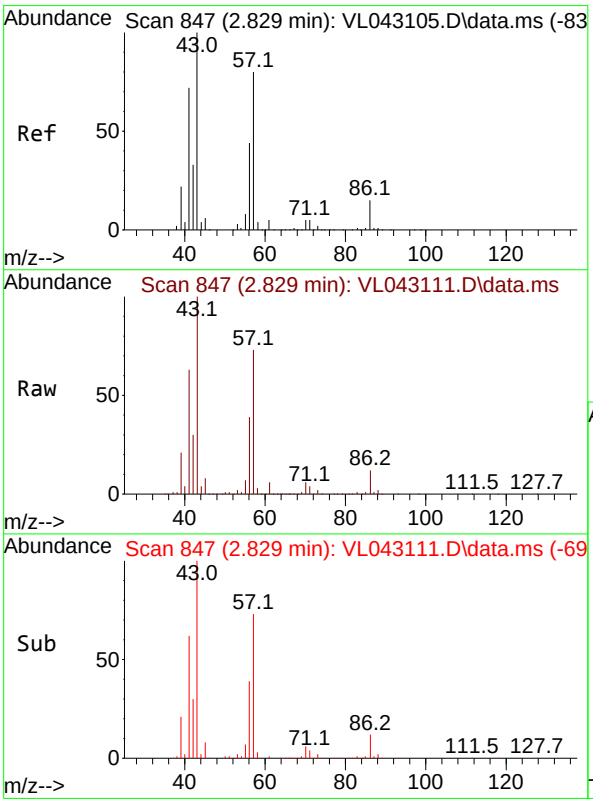
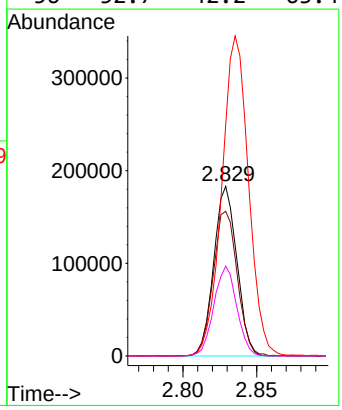
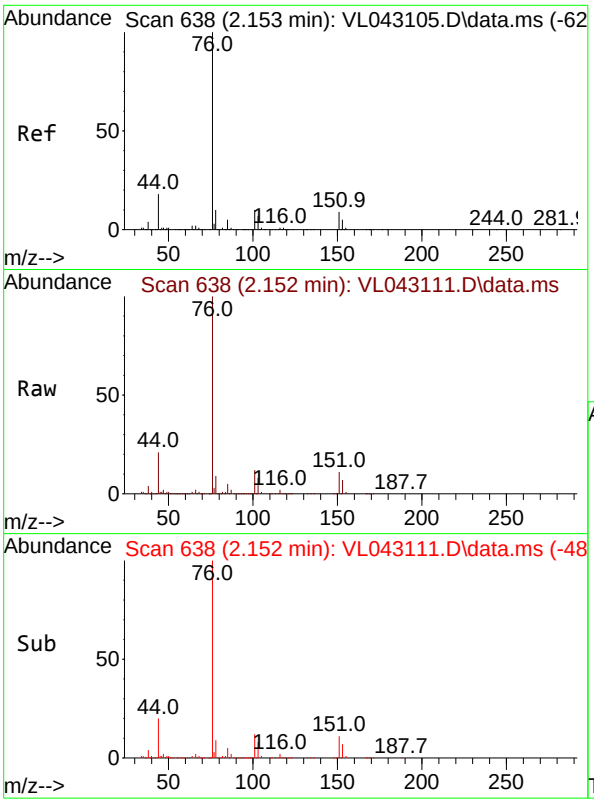


#26
Hexane
Concen: 12.836 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 57 Resp: 199384

Ion	Ratio	Lower	Upper
57	100		
41	89.9	71.4	107.0
43	218.2	178.5	267.7
56	52.7	42.2	63.4





#27
Carbon Disulfide
Concen: 13.522 ppbv
RT: 2.152 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 76 Resp: 19245

Ion	Ratio	Lower	Upper
76	100		
44	20.6	16.7	25.1
78	11.6	9.3	13.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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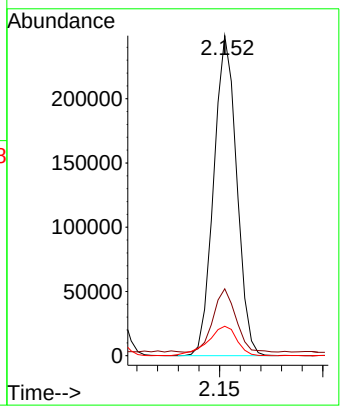
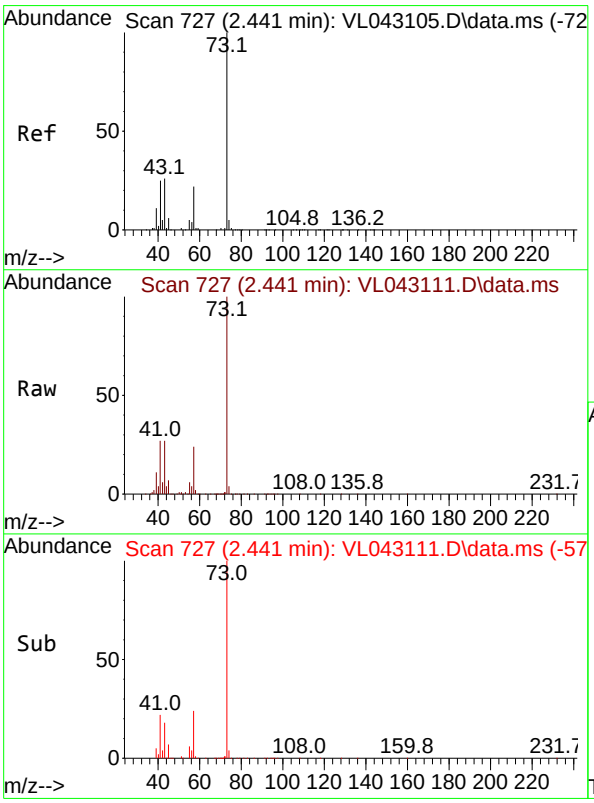
Supervised By :Mahesh Dadoda 10/16/2025

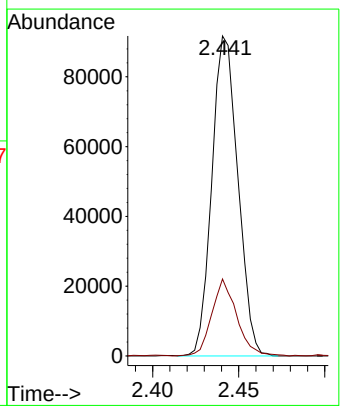


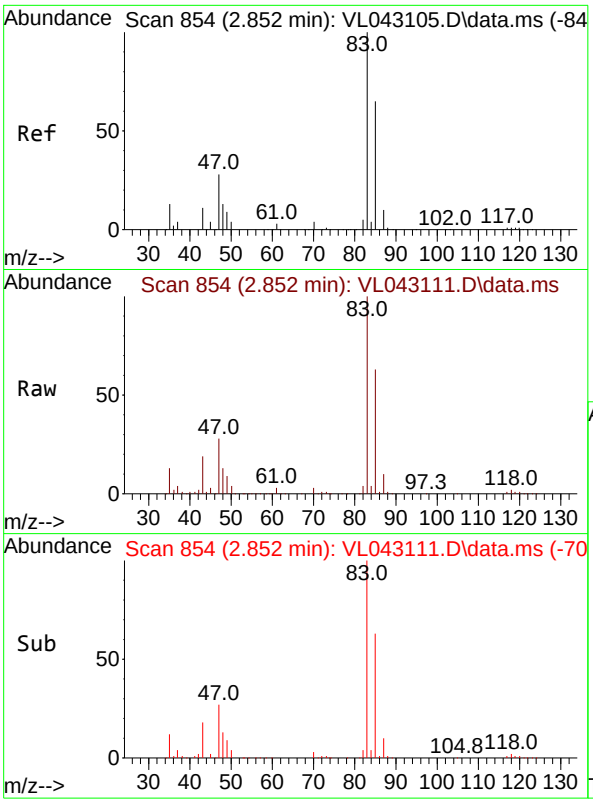


#28
Methyl tert-Butyl Ether
Concen: 13.650 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 73 Resp: 96464

Ion	Ratio	Lower	Upper
73	100		
57	22.7	20.5	30.7





#29
Chloroform
Concen: 13.425 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 83 Resp: 30215

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6

Instrument :
MSVOA_L
ClientSampleId :
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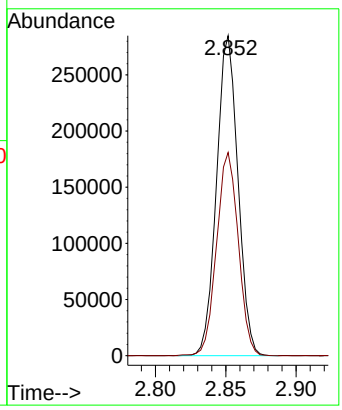
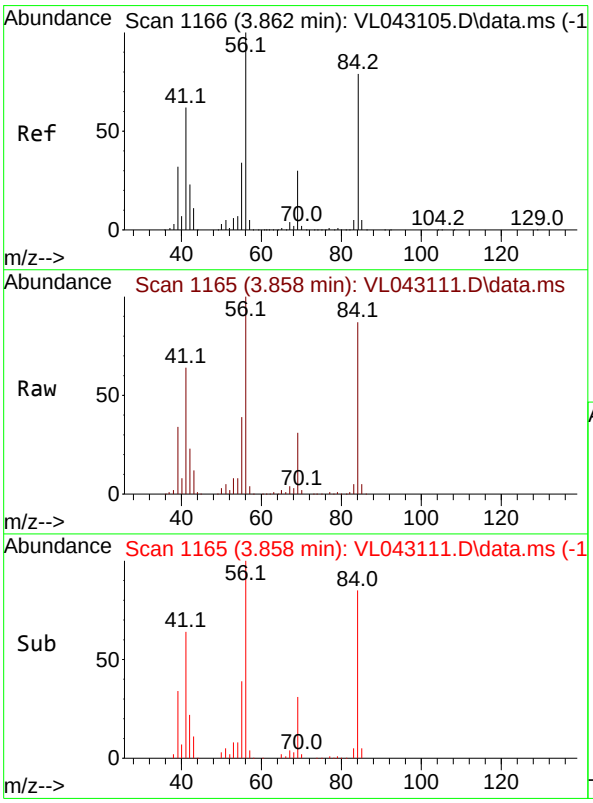
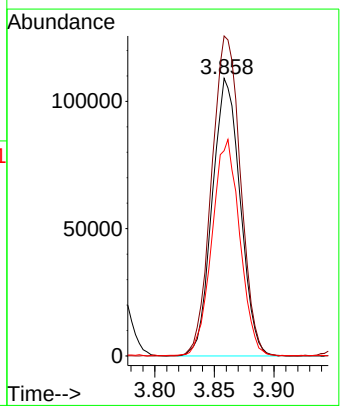


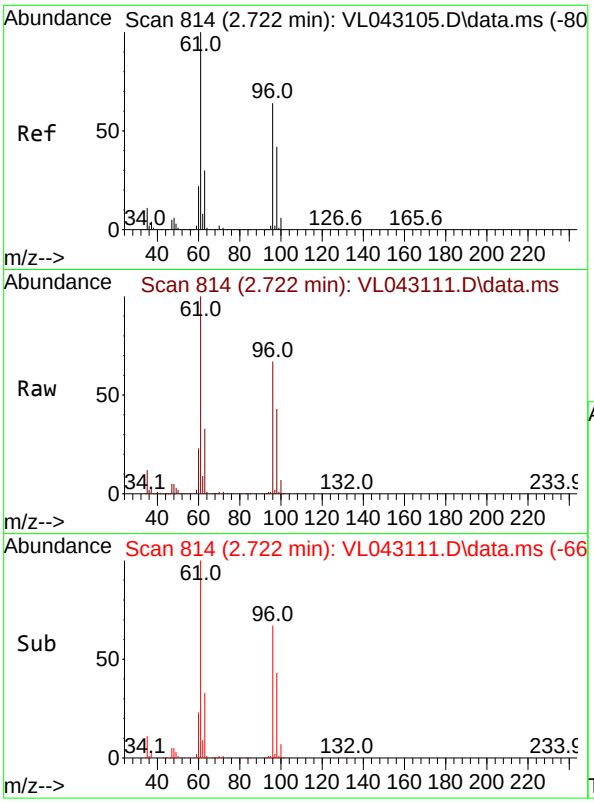


#30
Cyclohexane
Concen: 13.133 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 84 Resp: 177947

Ion	Ratio	Lower	Upper
84	100		
56	119.1	100.9	151.3
41	77.3	63.8	95.6

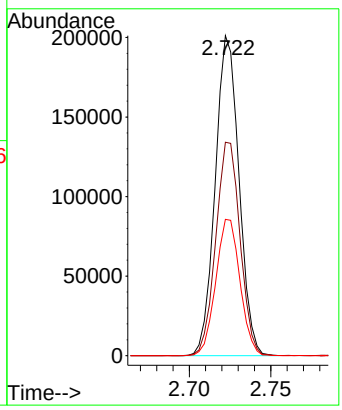




#31
cis-1,2-Dichloroethene
Concen: 13.745 ppbv
RT: 2.722 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 61 Resp: 20388

Ion	Ratio	Lower	Upper
61	100		
96	66.7	51.0	76.6
98	42.6	33.5	50.3



Instrument :
MSVOA_L
ClientSampleId :
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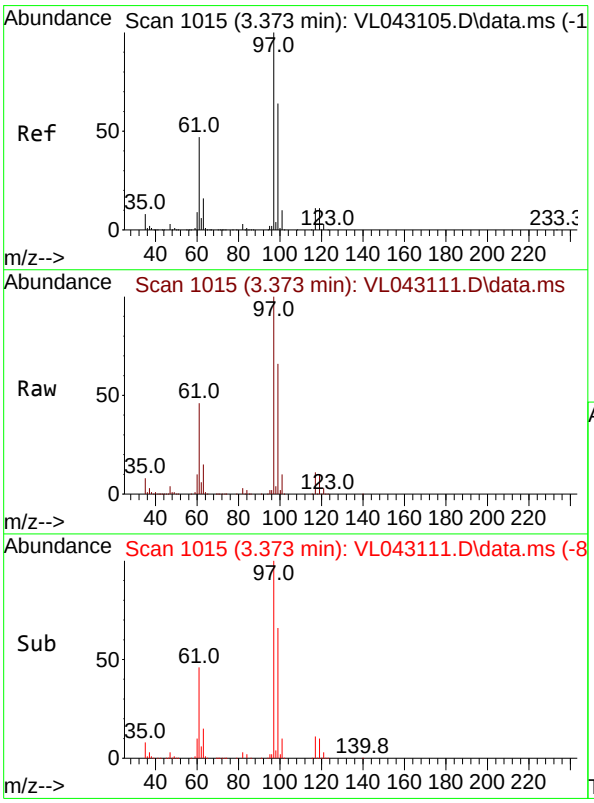
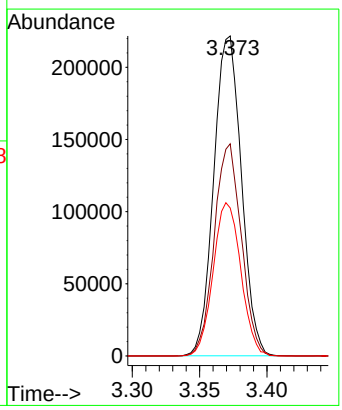
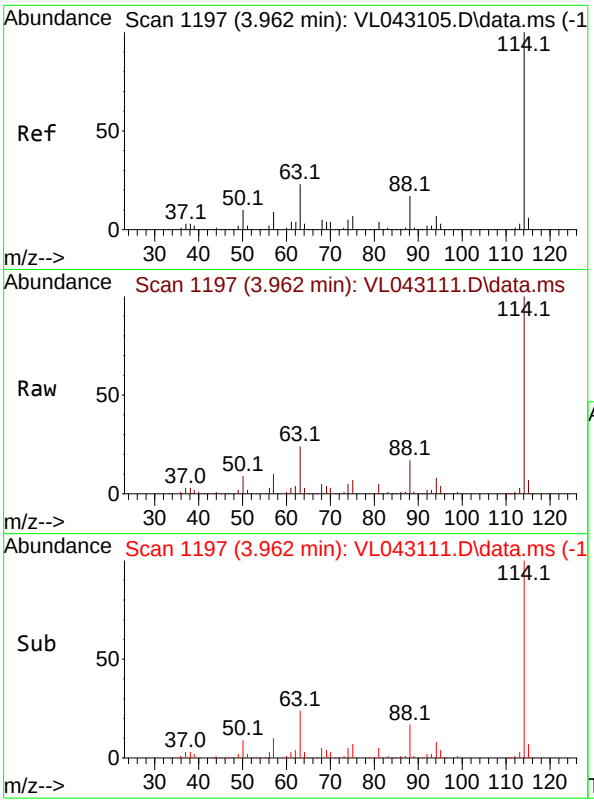


#32
1,1,1-Trichloroethane
Concen: 13.500 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 97 Resp: 316442

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	48.0	38.4	57.6

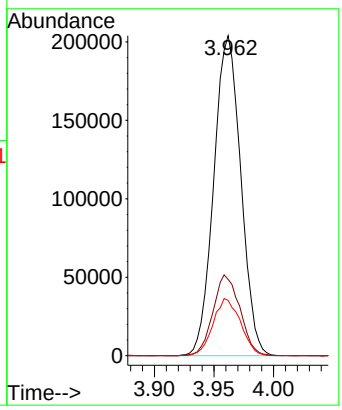




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:114 Resp: 32166

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.3	28.9
88	18.1	13.9	20.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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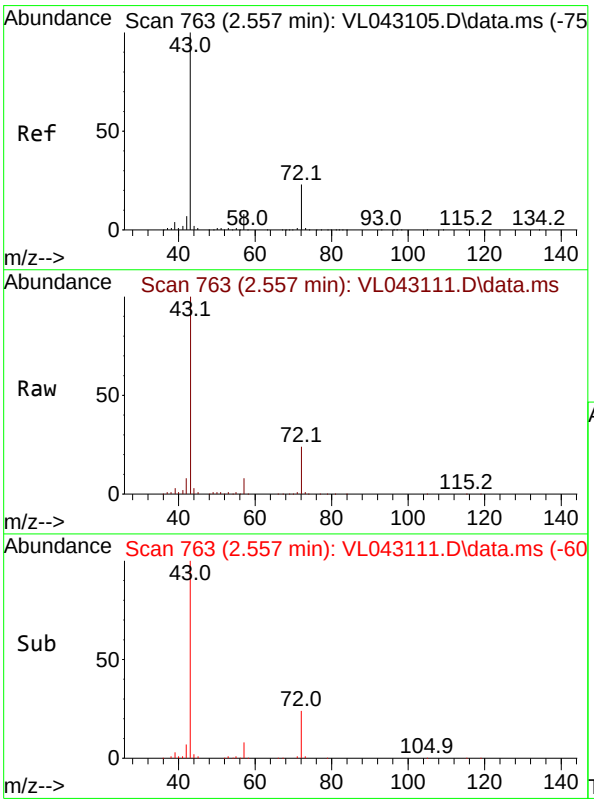
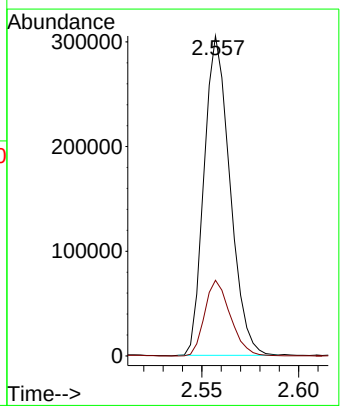
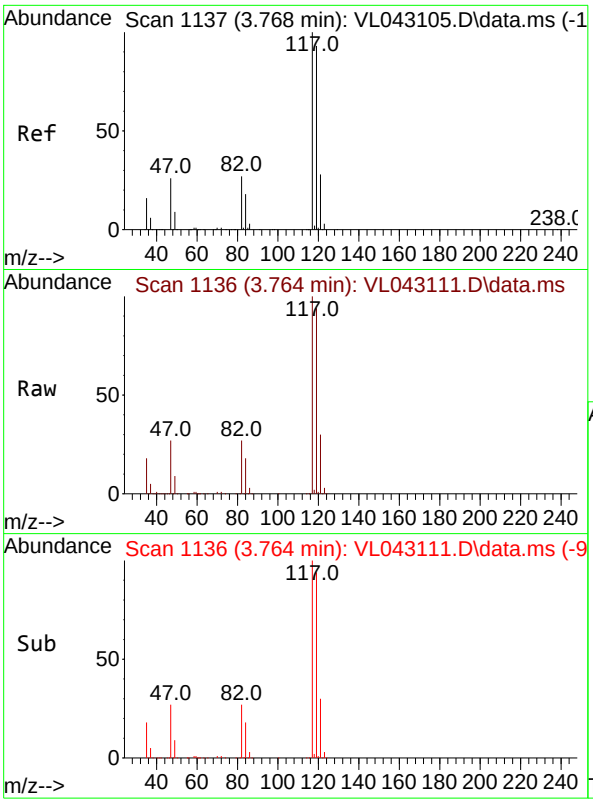


#34
2-Butanone
Concen: 13.020 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 43 Resp: 283134

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.4	27.6

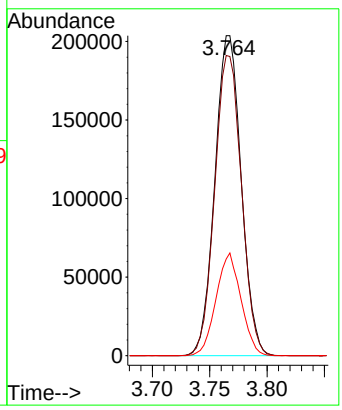




#35
Carbon Tetrachloride
Concen: 14.056 ppbv
RT: 3.764 min Scan# 1
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:117 Resp: 32507

Ion	Ratio	Lower	Upper
117	100		
119	93.8	74.1	111.1
121	30.2	22.2	33.2



Instrument :
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ClientSampleId :
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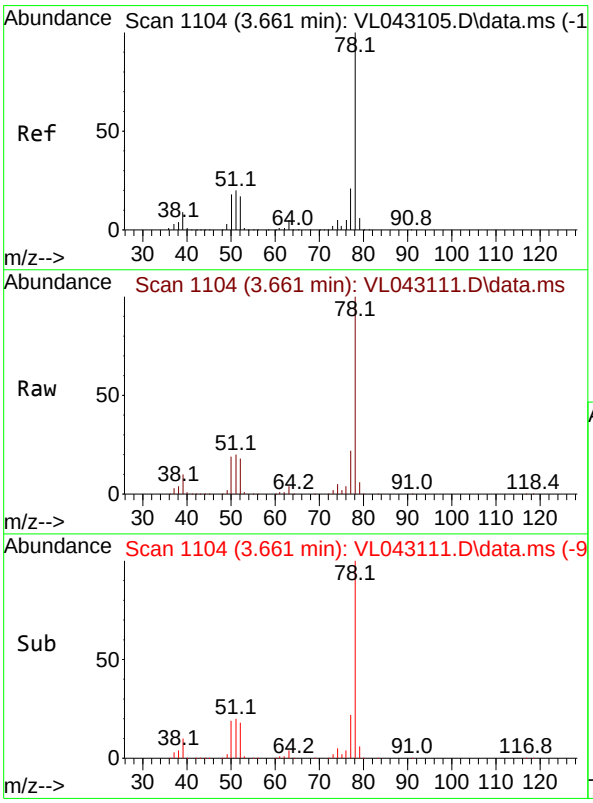
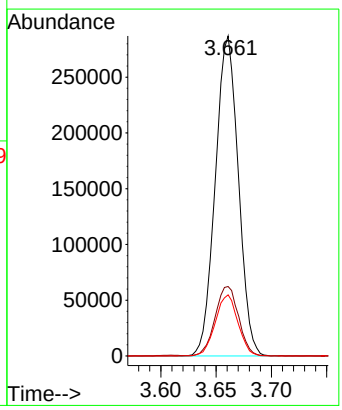
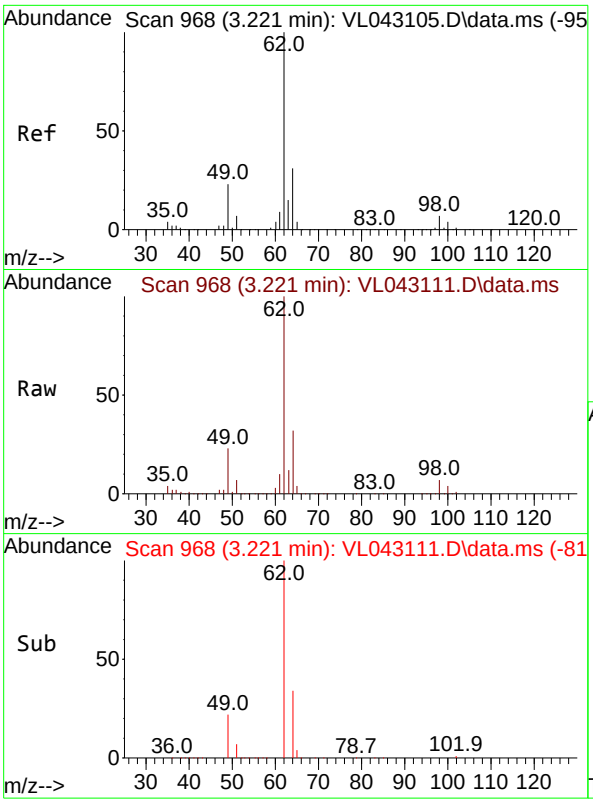


#36
Benzene
Concen: 13.725 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 78 Resp: 415823

Ion	Ratio	Lower	Upper
78	100		
77	21.6	17.0	25.6
50	19.1	14.6	22.0

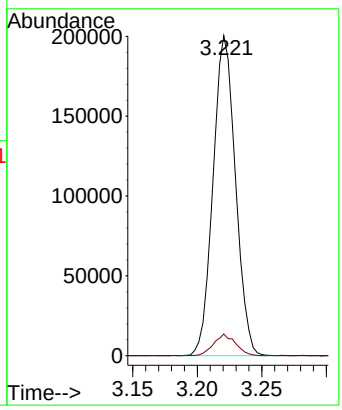




#37
1,2-Dichloroethane
Concen: 13.865 ppbv
RT: 3.221 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 62 Resp: 24198

Ion	Ratio	Lower	Upper
62	100		
98	6.6	5.8	8.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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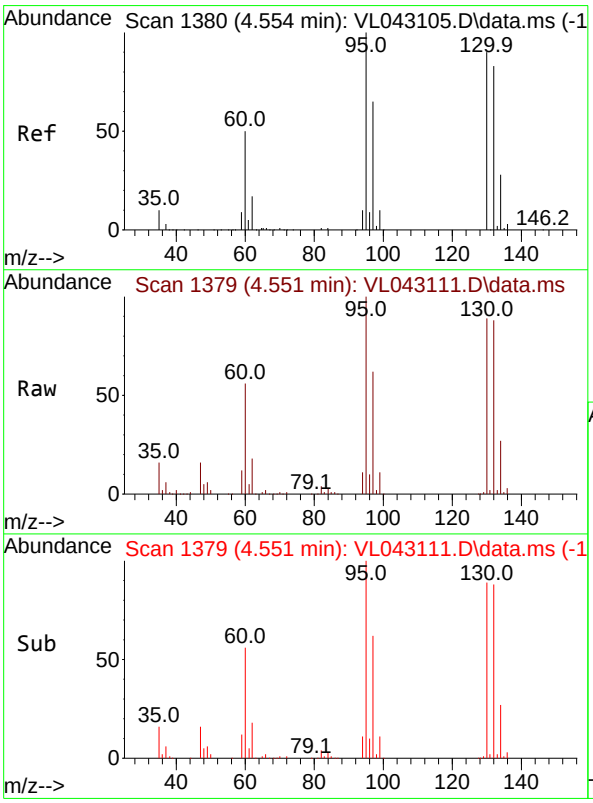
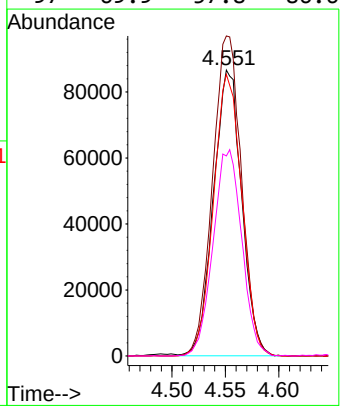
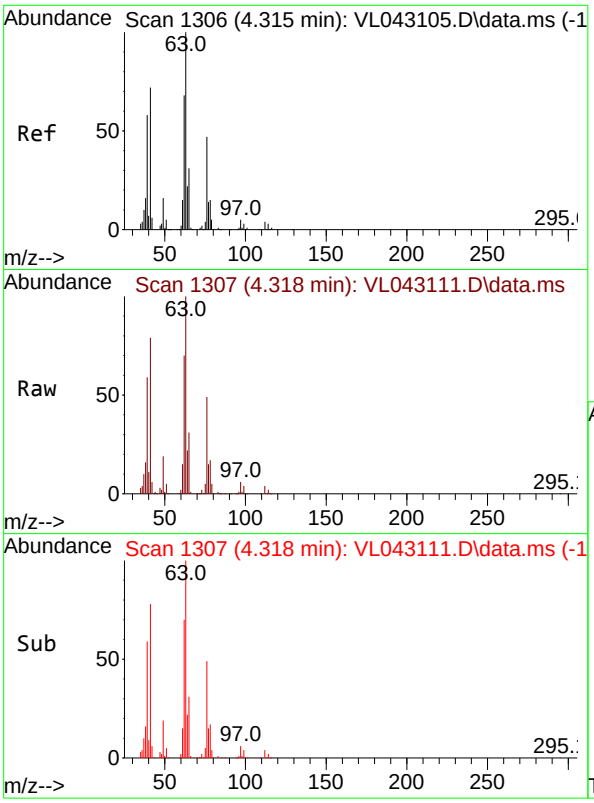


#38
Trichloroethene
Concen: 12.590 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:130 Resp: 159136

Ion	Ratio	Lower	Upper
130	100		
95	111.8	88.6	133.0
132	98.5	73.4	110.0
97	69.9	57.8	86.6

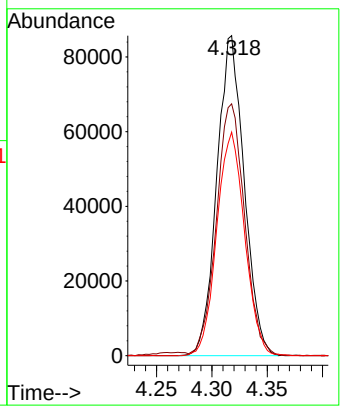




#39
1,2-Dichloropropane
Concen: 13.274 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 63 Resp: 14715

Ion	Ratio	Lower	Upper
63	100		
41	78.4	58.0	87.0
62	69.9	54.7	82.1



Instrument :
MSVOA_L
ClientSampleId :
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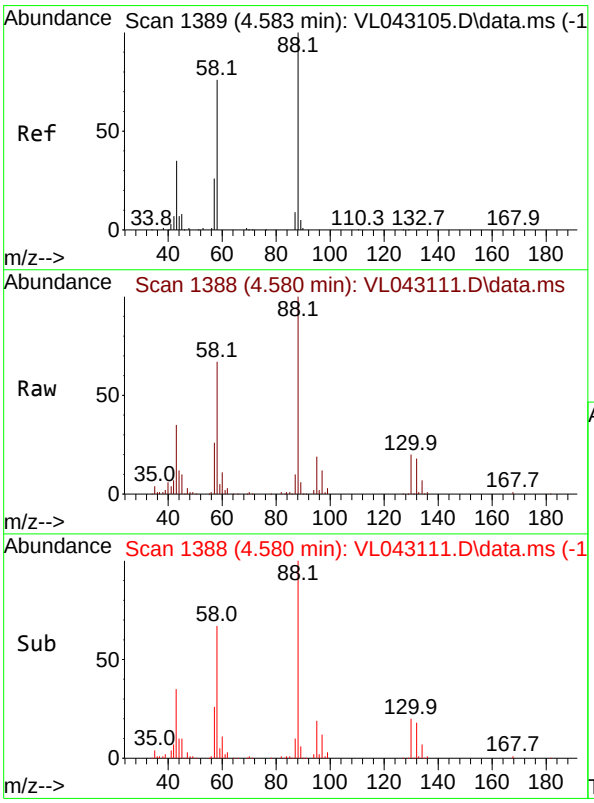
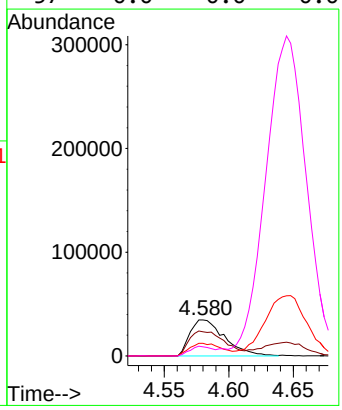
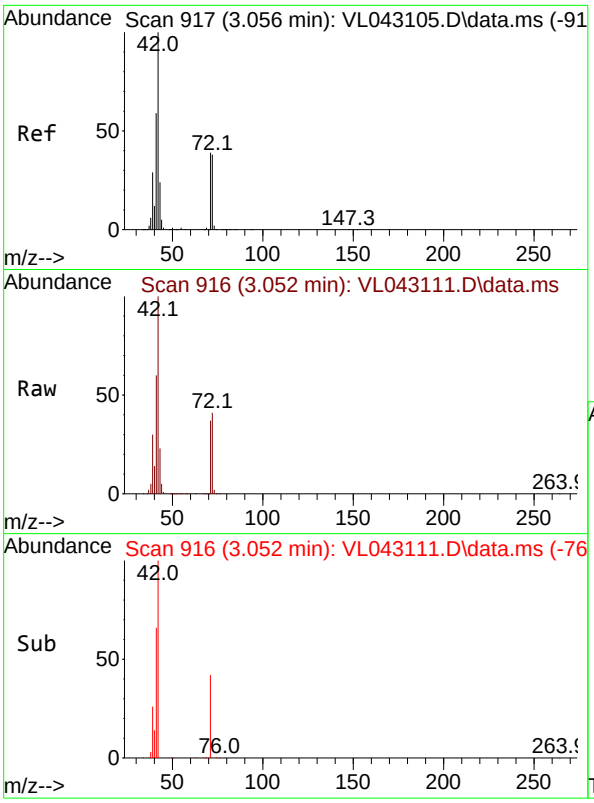


#40
1,4-Dioxane
Concen: 13.180 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 88 Resp: 65323

Ion	Ratio	Lower	Upper
88	100		
58	69.1	61.1	91.7
43	30.0	24.0	36.0
57	0.0	0.0	0.0

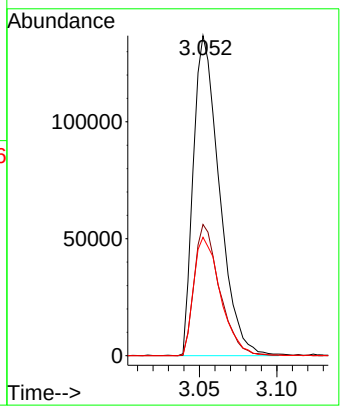




#41
Tetrahydrofuran
Concen: 13.200 ppbv
RT: 3.052 min Scan# 9
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 42 Resp: 16024

Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.3	46.9
71	38.2	30.4	45.6



Instrument :
MSVOA_L
ClientSampleId :
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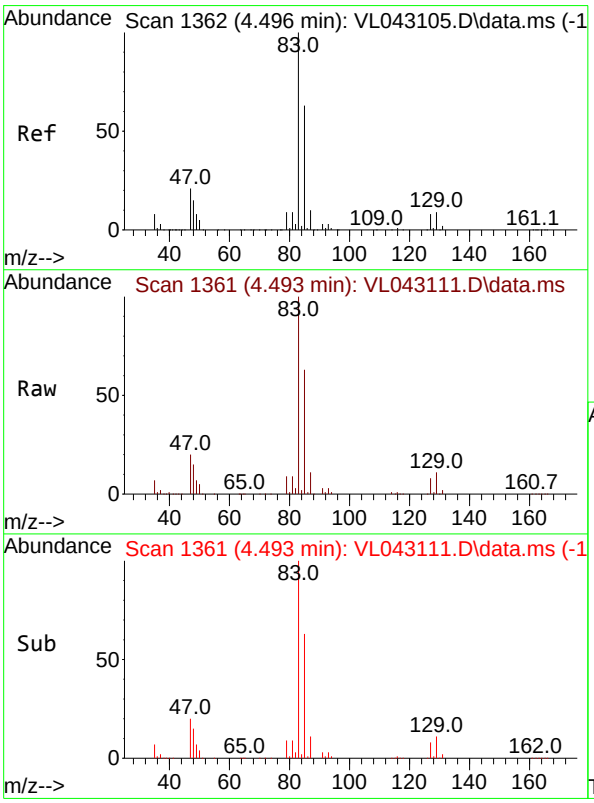
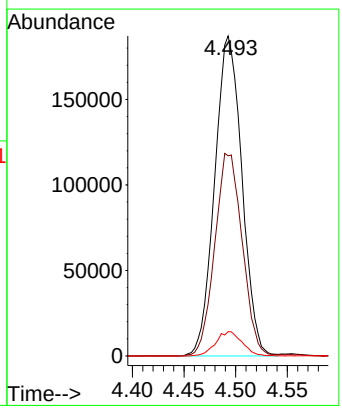
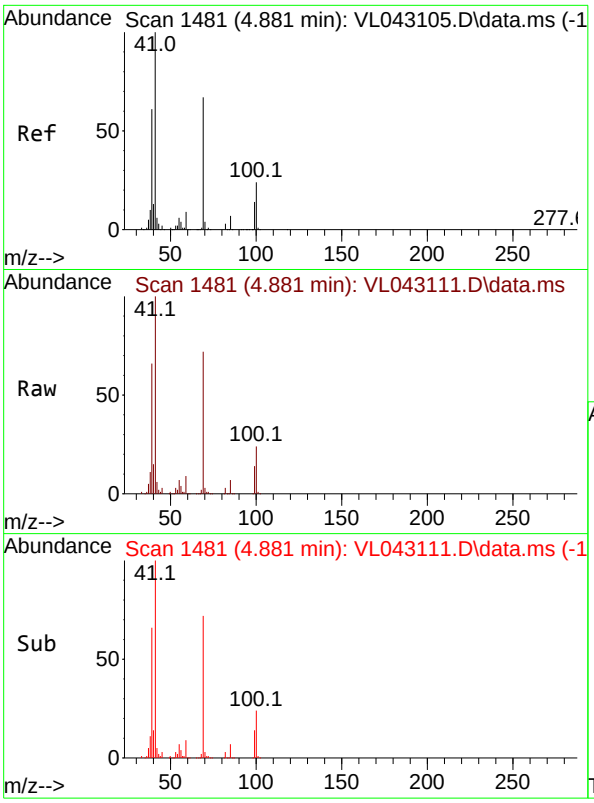


#42
Bromodichloromethane
Concen: 14.234 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 83 Resp: 343817

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.6	75.8
127	7.6	6.3	9.5

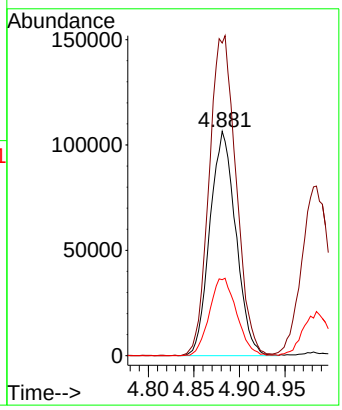




#43
Methyl Methacrylate
Concen: 13.633 ppbv
RT: 4.881 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 69 Resp: 21075

Ion	Ratio	Lower	Upper
69	100		
41	148.2	120.5	180.7
100	36.3	29.0	43.4



Instrument :
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ClientSampleId :
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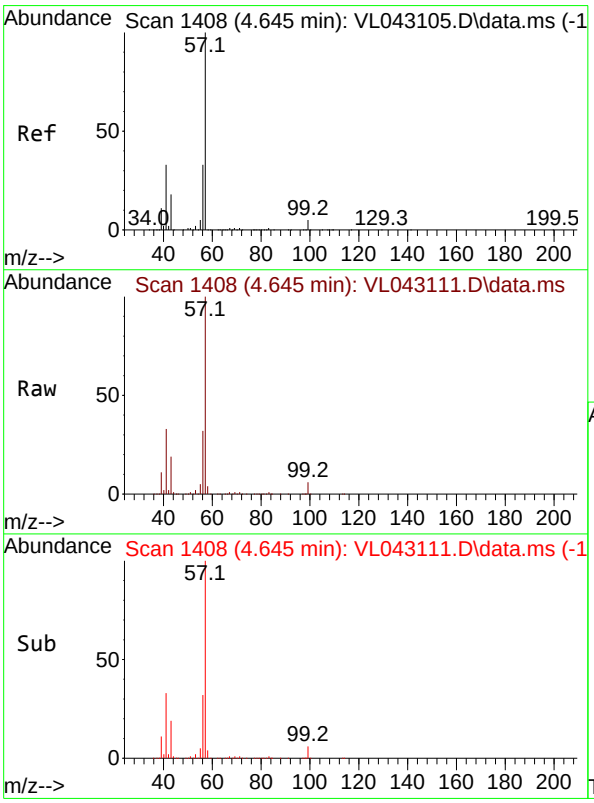
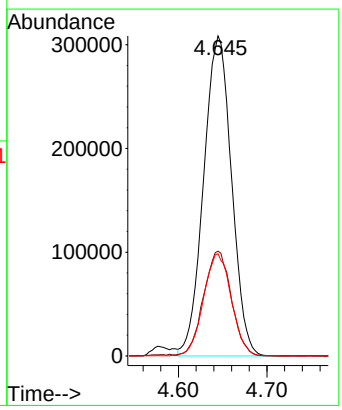
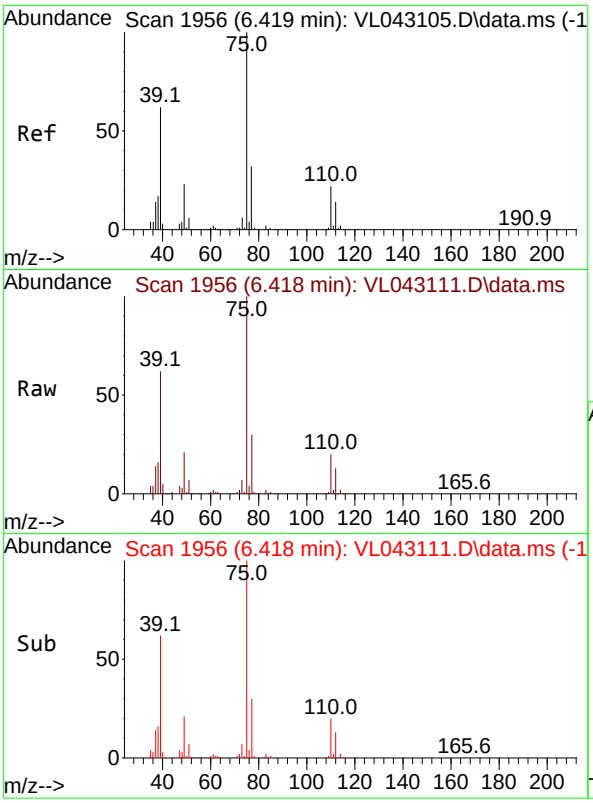


#44
2,2,4-Trimethylpentane
Concen: 13.340 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 57 Resp: 675770

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.3	39.5
56	31.9	25.9	38.9

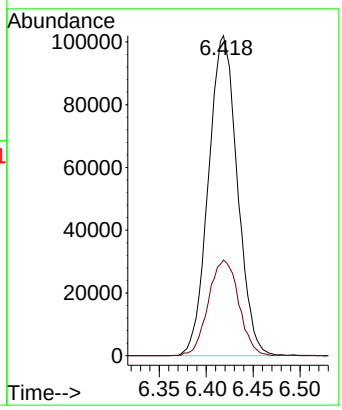




#45
t-1,3-Dichloropropene
Concen: 14.142 ppbv
RT: 6.418 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 75 Resp: 21838

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
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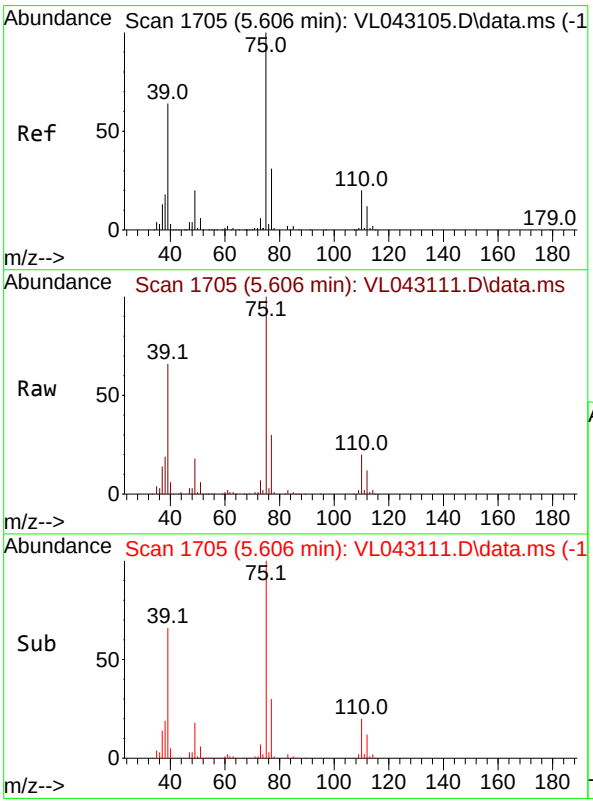
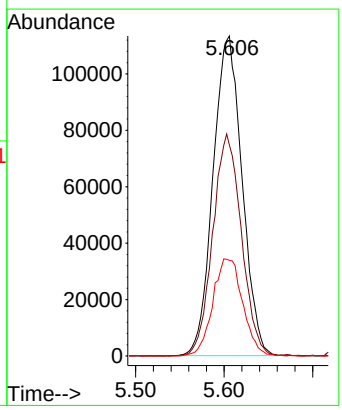
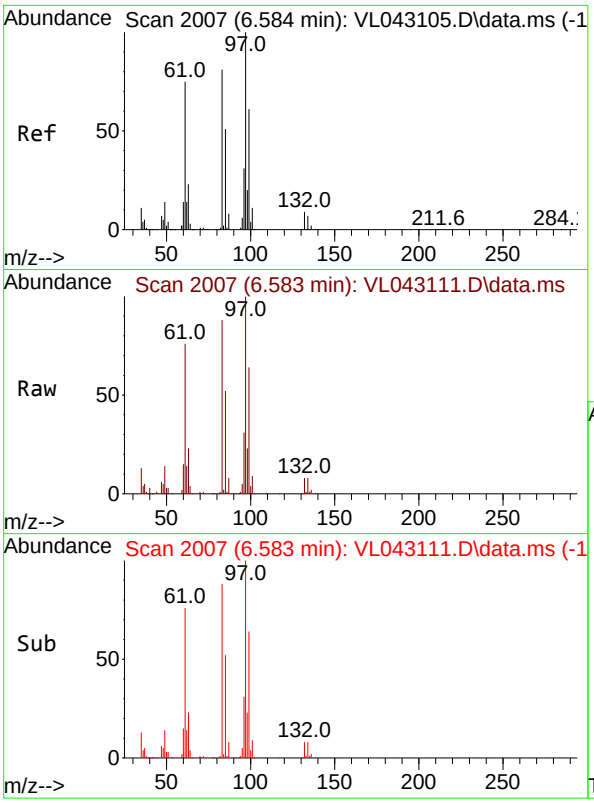


#46
cis-1,3-Dichloropropene
Concen: 14.018 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 75 Resp: 258355

Ion	Ratio	Lower	Upper
75	100		
39	65.8	51.0	76.6
77	29.9	25.0	37.4

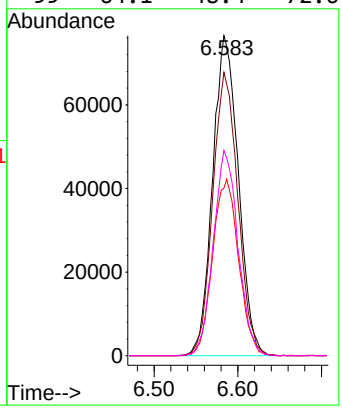




#47
1,1,2-Trichloroethane
Concen: 13.638 ppbv
RT: 6.583 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 97 Resp: 16311

Ion	Ratio	Lower	Upper
97	100		
83	88.4	64.6	96.8
85	52.4	40.6	60.8
99	64.1	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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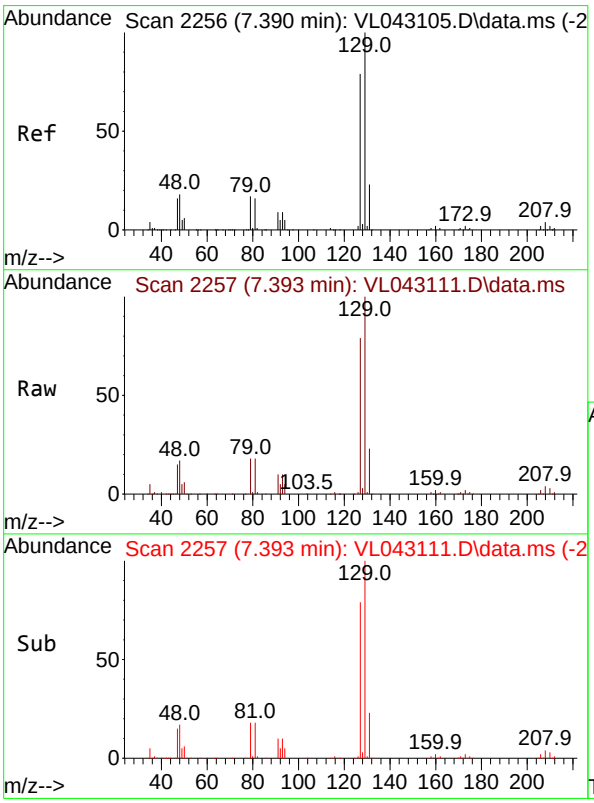
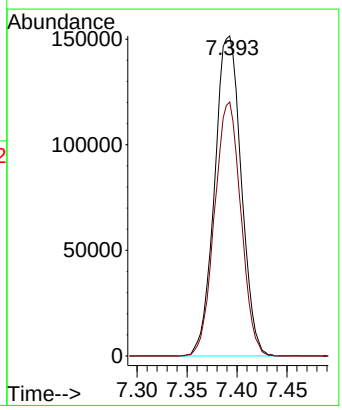
Supervised By :Mahesh Dadoda 10/16/2025

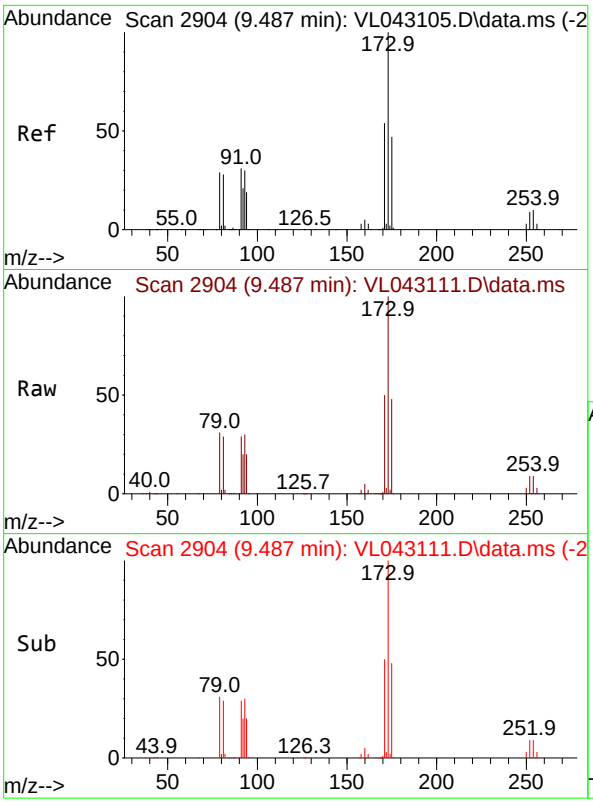


#48
Dibromochloromethane
Concen: 14.051 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:129 Resp: 280993

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9

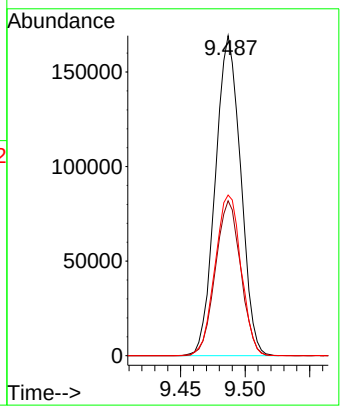




#49
Bromoform
Concen: 14.184 ppbv
RT: 9.487 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:173 Resp: 23056

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.8	58.2
171	51.7	41.7	62.5



Instrument :
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ClientSampleId :
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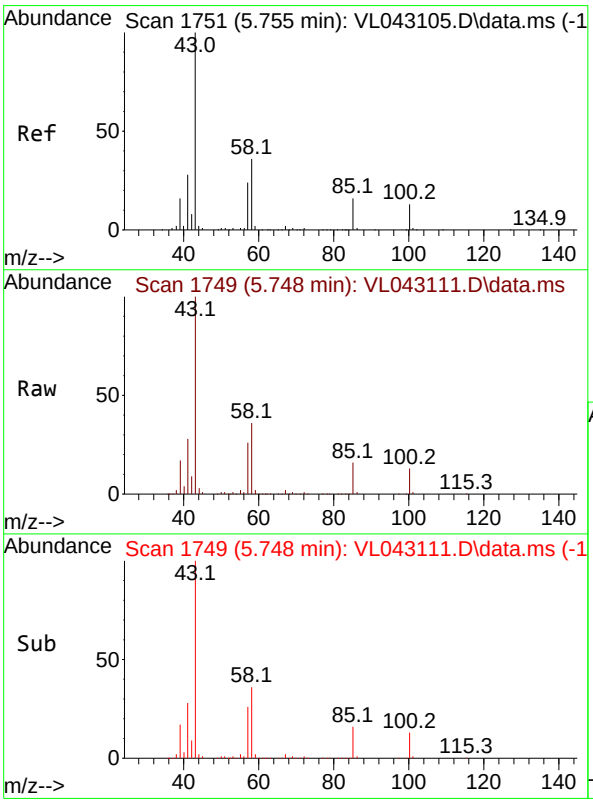
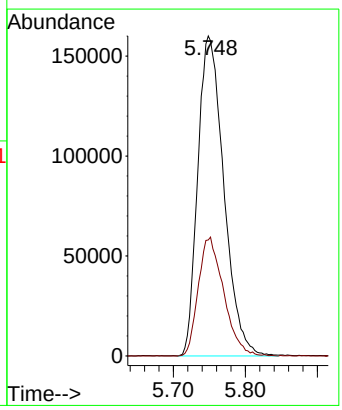
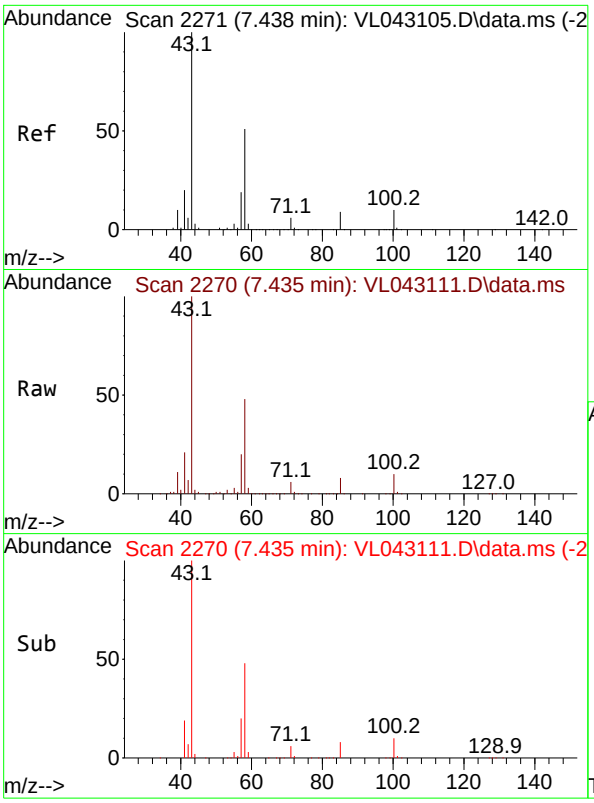


#50
4-Methyl-2-Pentanone
Concen: 13.396 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.007 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 43 Resp: 401849

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7





#51
2-Hexanone
Concen: 14.176 ppbv
RT: 7.435 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 43 Resp: 31728

Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.4	60.6
98	0.0	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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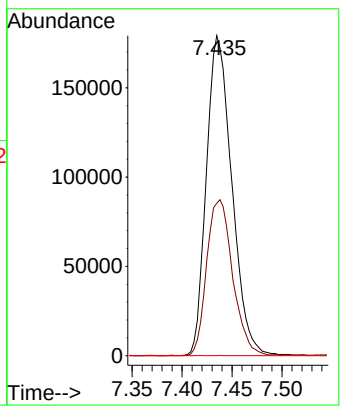
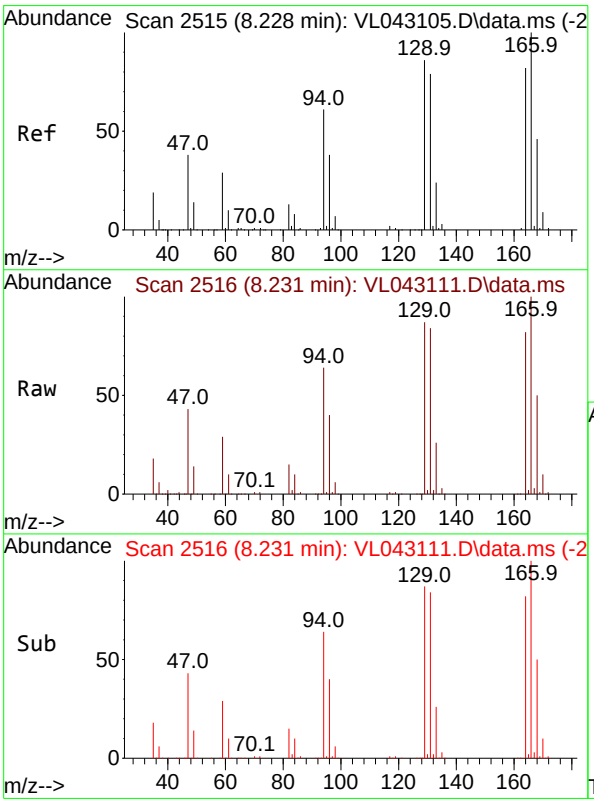
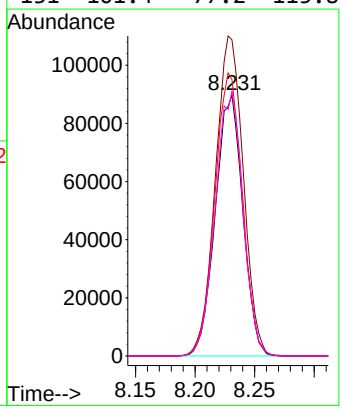


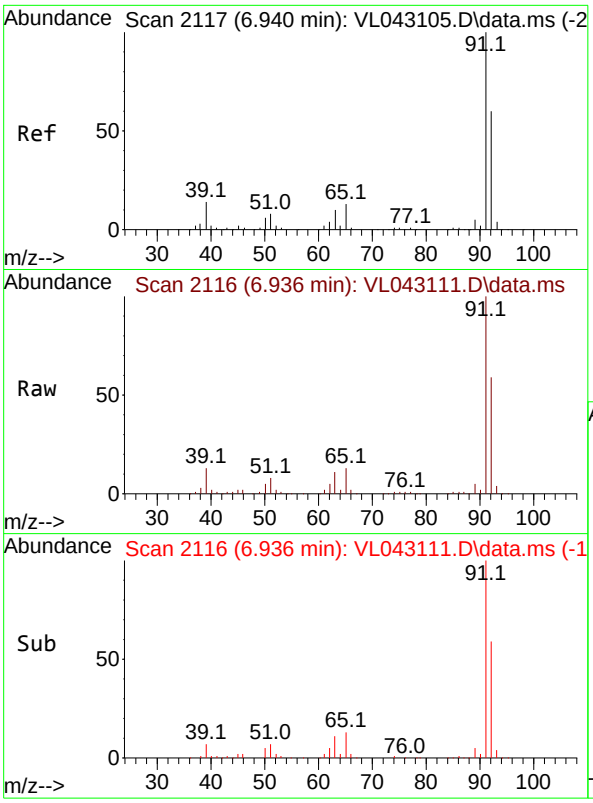


#52
Tetrachloroethene
Concen: 13.177 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:164 Resp: 143954

Ion	Ratio	Lower	Upper
164	100		
166	121.3	97.6	146.4
129	106.0	84.5	126.7
131	101.4	77.2	115.8

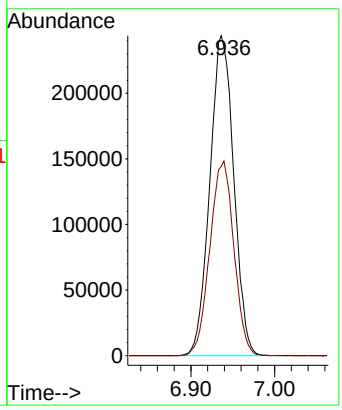




#53
Toluene
Concen: 13.457 ppbv
RT: 6.936 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 48387

Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.8	73.2



Instrument :
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ClientSampleId :
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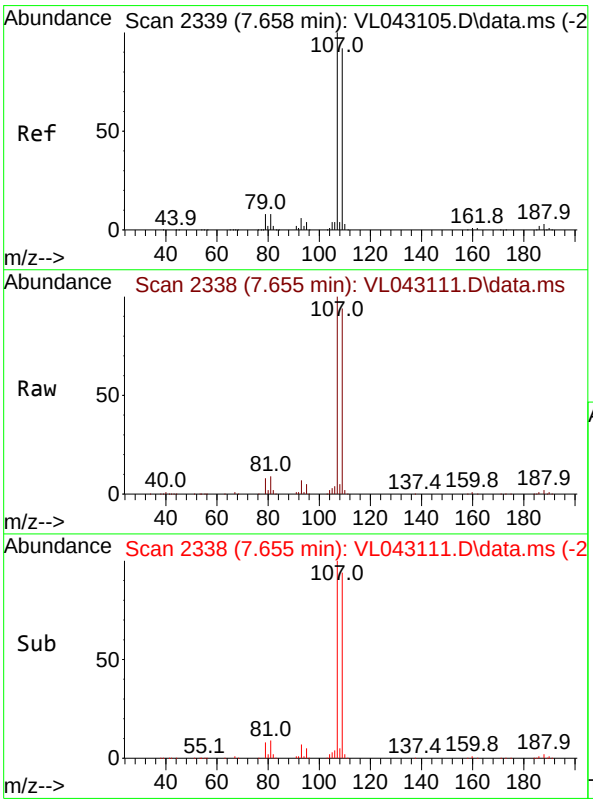
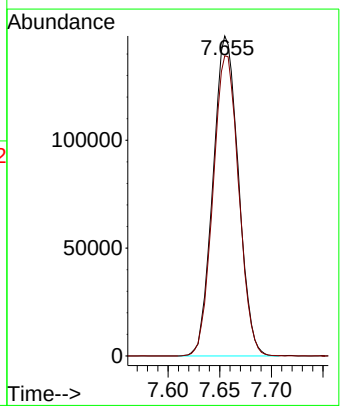
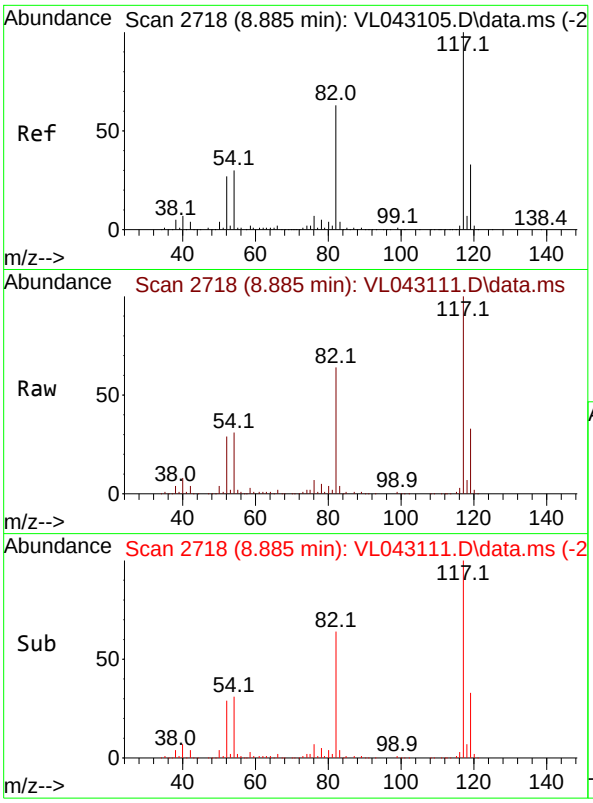


#54
1,2-Dibromoethane
Concen: 13.461 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:107 Resp: 254024

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.4	110.2

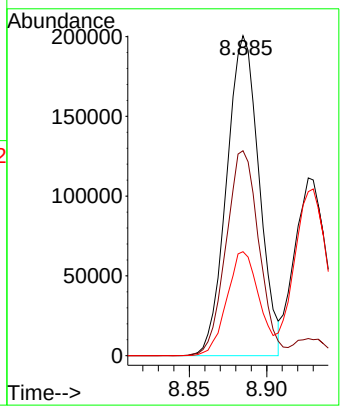




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:117 Resp: 29254

Ion	Ratio	Lower	Upper
117	100		
82	70.2	53.8	80.8
119	33.1	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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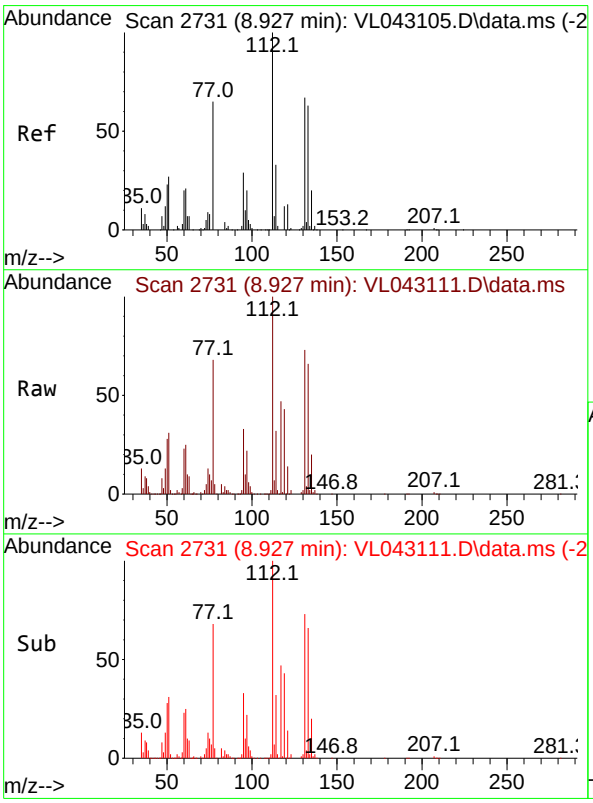
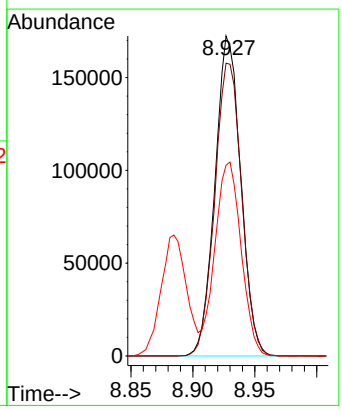
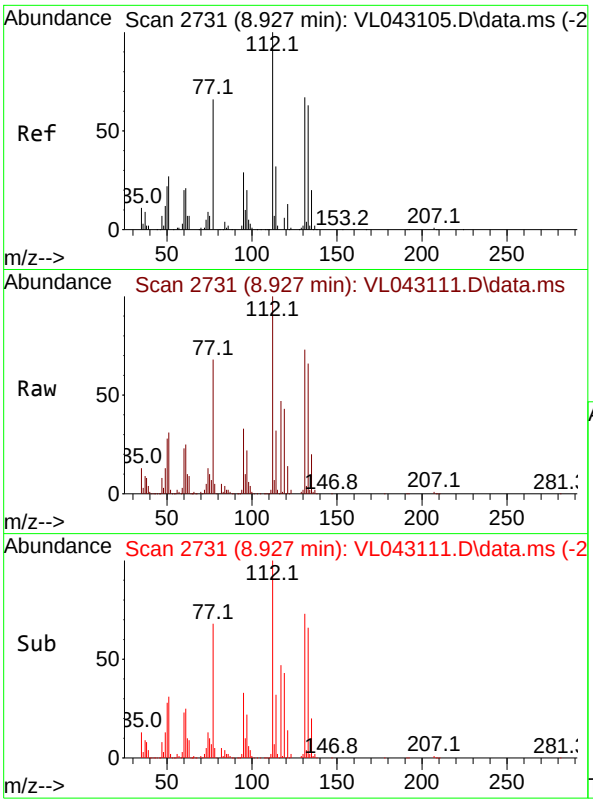


#56
1,1,1,2-Tetrachloroethane
Concen: 13.573 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:131 Resp: 250303

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.7	113.5
119	61.9	50.6	76.0

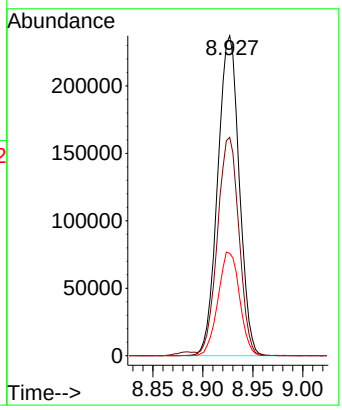




#57
Chlorobenzene
Concen: 12.983 ppbv
RT: 8.927 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:112 Resp: 35530

Ion	Ratio	Lower	Upper
112	100		
77	68.2	53.3	79.9
114	32.0	29.3	35.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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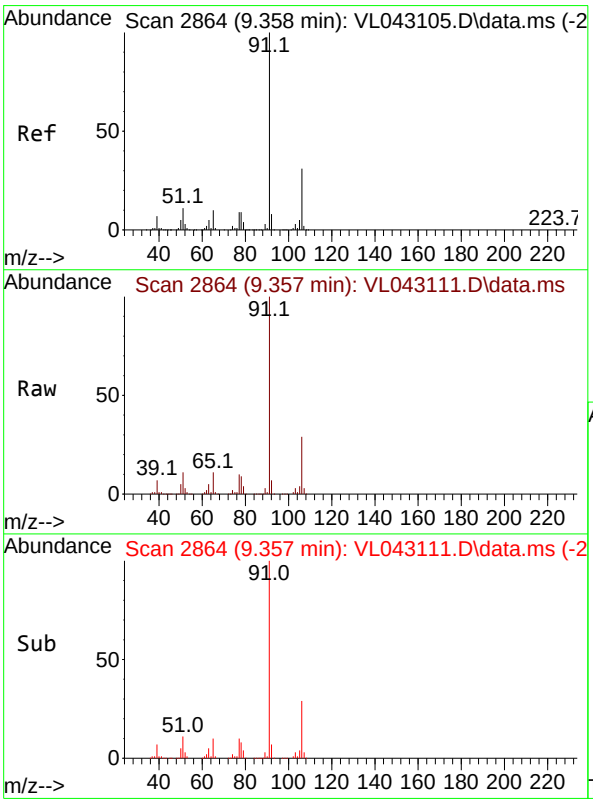
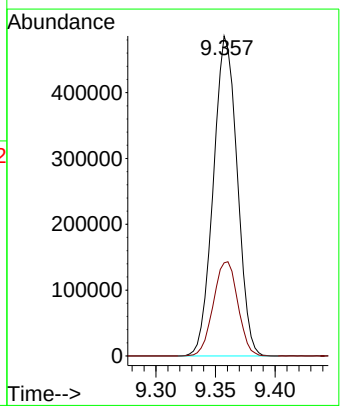
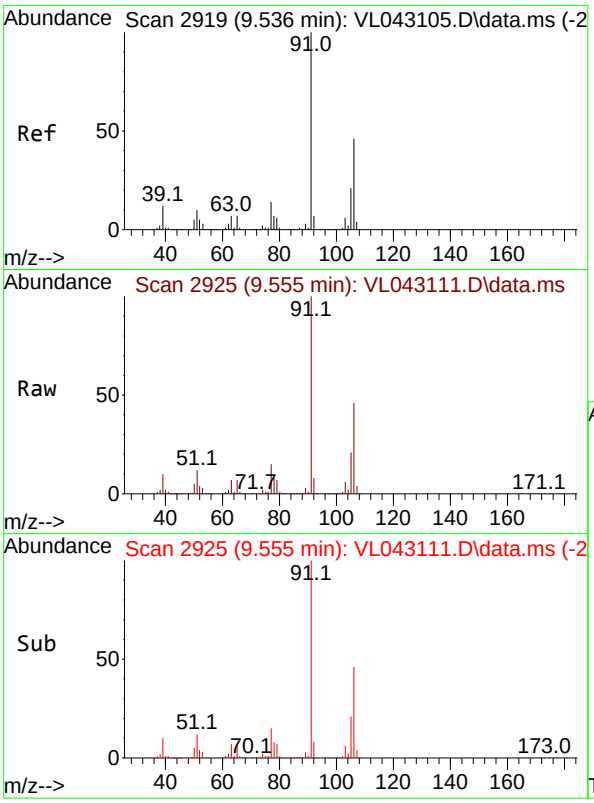


#58
Ethyl Benzene
Concen: 13.375 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 676918

Ion	Ratio	Lower	Upper
91	100		
106	29.1	24.8	37.2

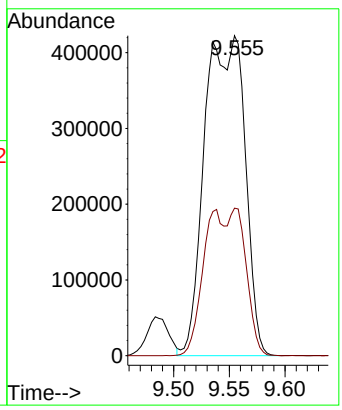




#59
m/p-Xylene
Concen: 26.498 ppbv m
RT: 9.555 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 106195

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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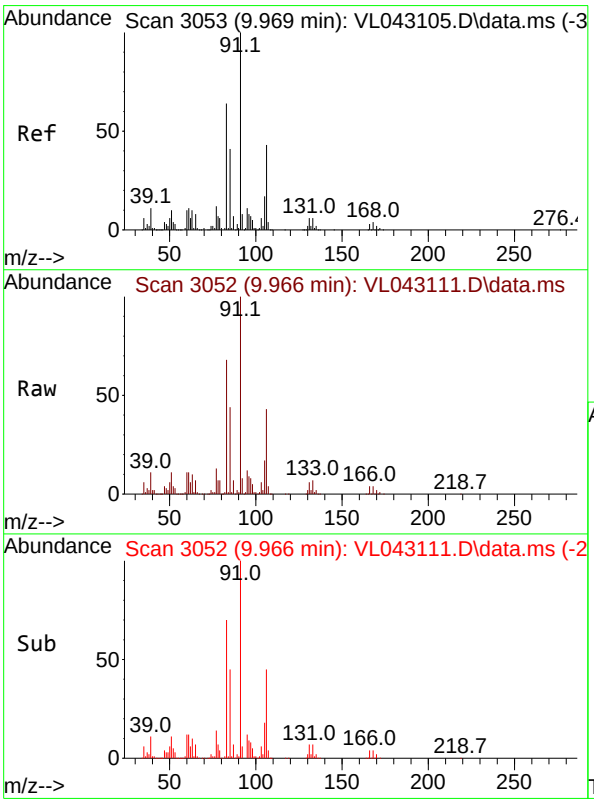
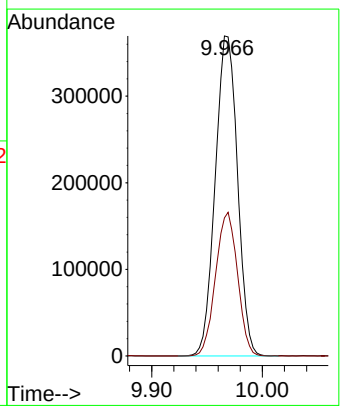
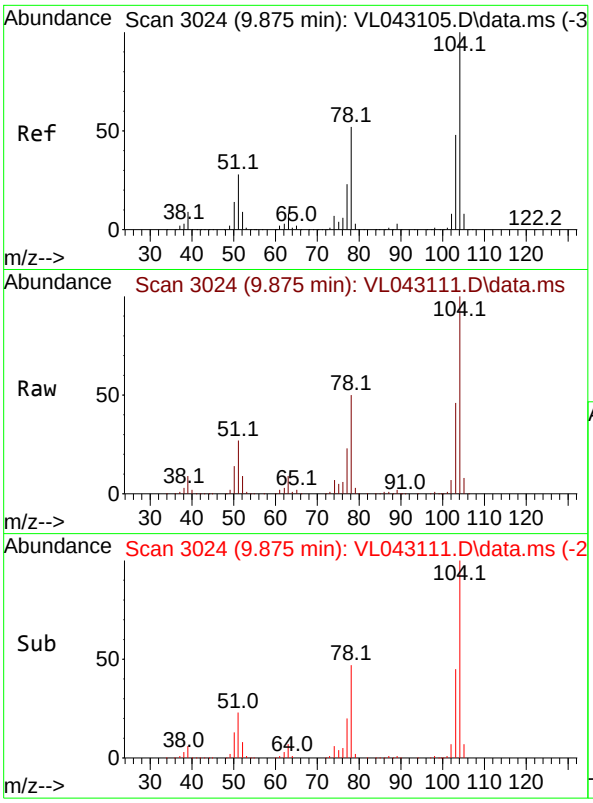


#60
o-Xylene
Concen: 13.063 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 516660

Ion	Ratio	Lower	Upper
91	100		
106	44.3	21.9	65.8

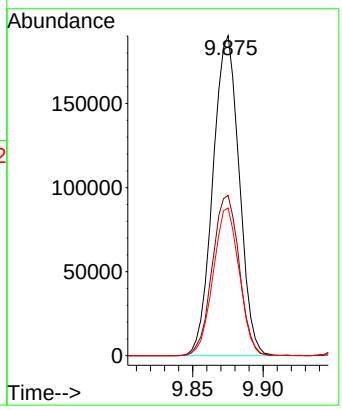




#61
Styrene
Concen: 13.867 ppbv
RT: 9.875 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:104 Resp: 24758

Ion	Ratio	Lower	Upper
104	100		
78	51.2	40.2	60.2
103	46.0	36.9	55.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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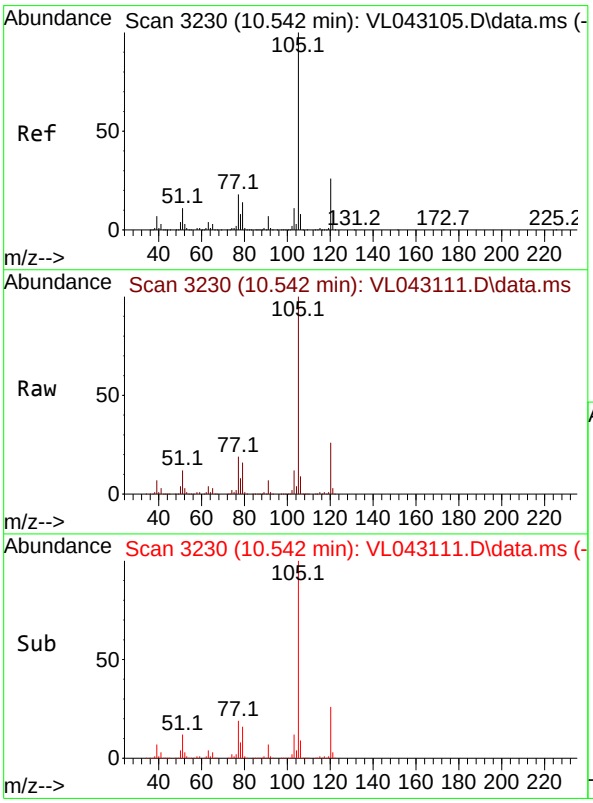
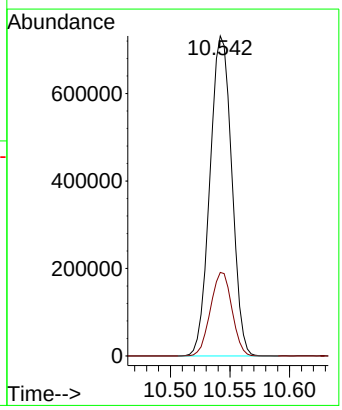
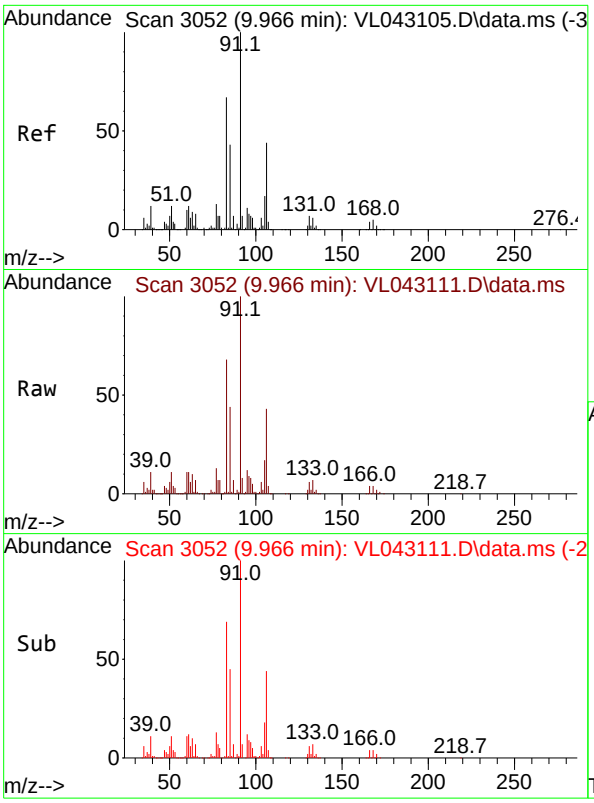


#62
Isopropylbenzene
Concen: 13.034 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:105 Resp: 931508

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.2	30.4





#63
1,1,2,2-Tetrachloroethane
Concen: 12.515 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 83 Resp: 33142

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	63.6	32.0	96.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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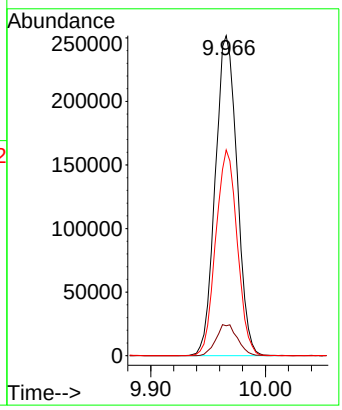
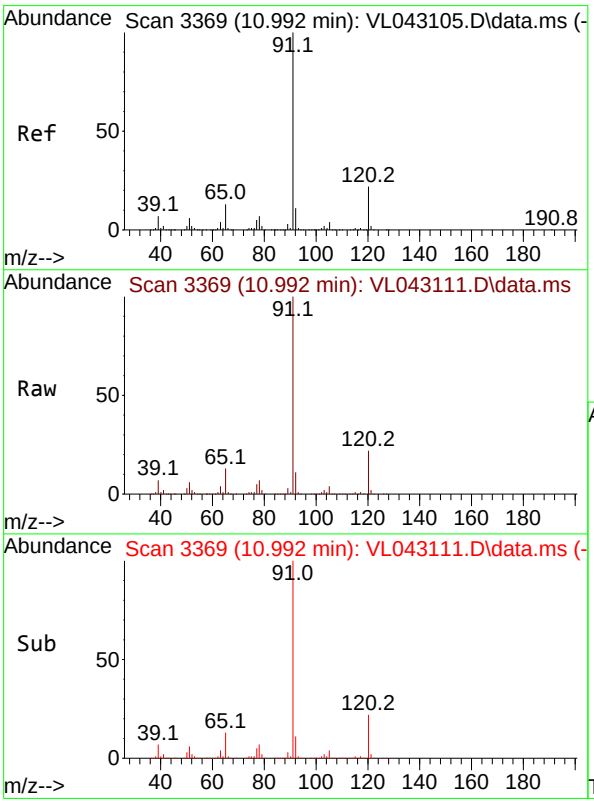
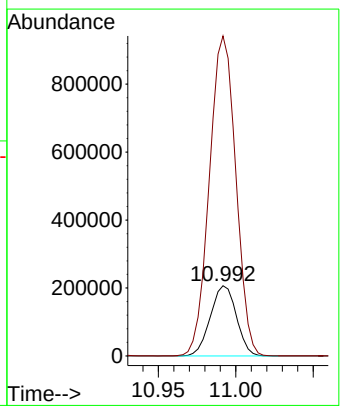


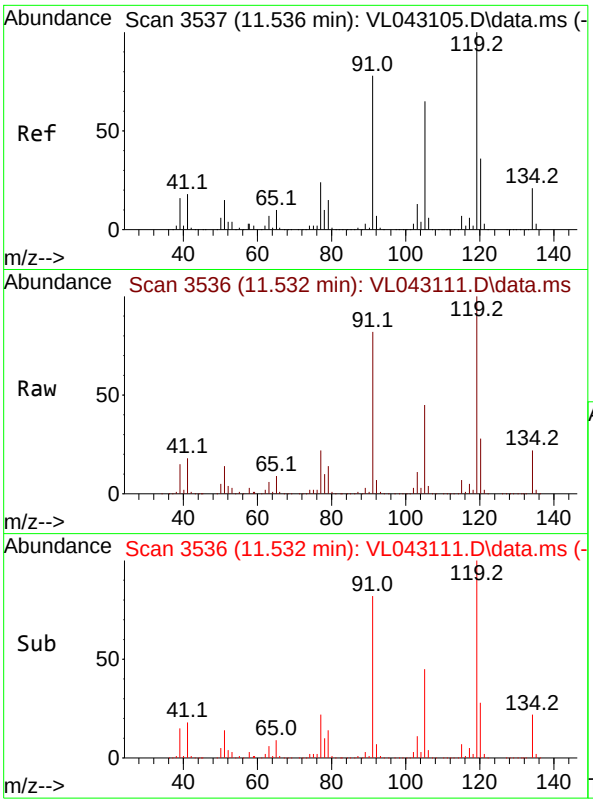


#64
n-propylbenzene
Concen: 12.775 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:120 Resp: 241719

Ion	Ratio	Lower	Upper
120	100		
91	463.5	361.6	542.4

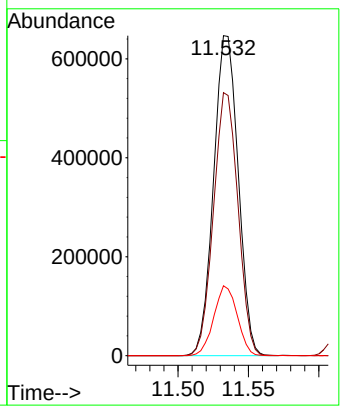




#65
tert-Butylbenzene
Concen: 12.490 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:119 Resp: 78823

Ion	Ratio	Lower	Upper
119	100		
91	81.8	63.4	95.0
134	20.8	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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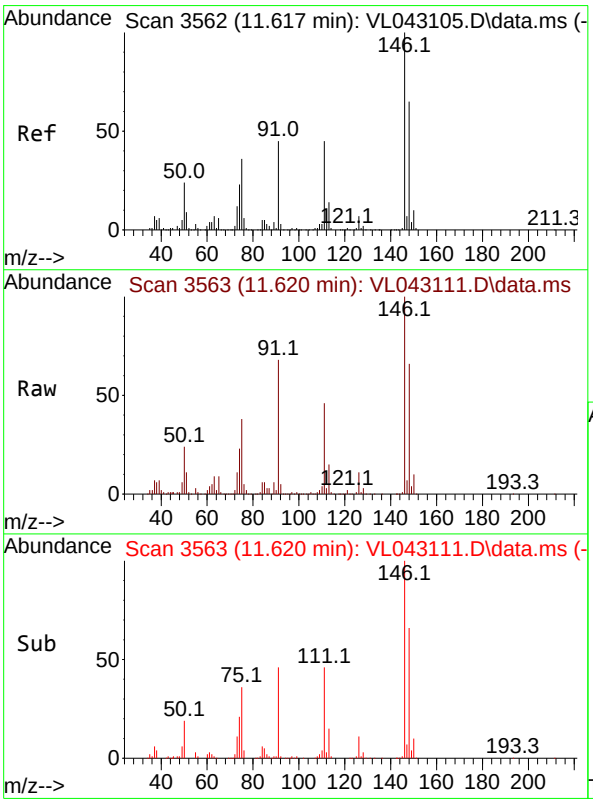
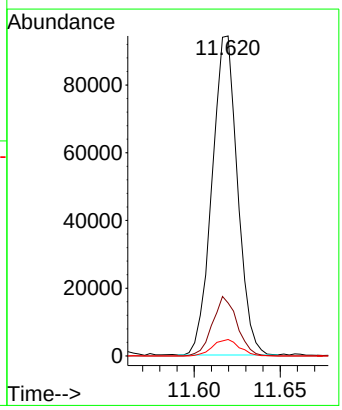
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

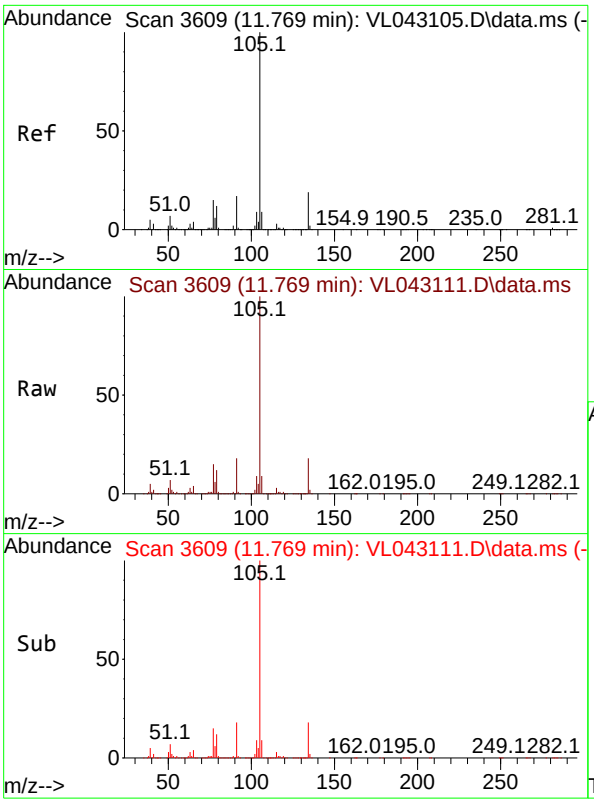


#66
Benzyl Chloride
Concen: 13.778 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 97114

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.6	22.0
128	5.4	4.6	6.8





#67
sec-Butylbenzene
Concen: 12.566 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:105 Resp: 112548

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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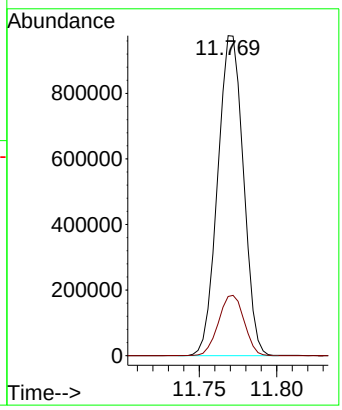
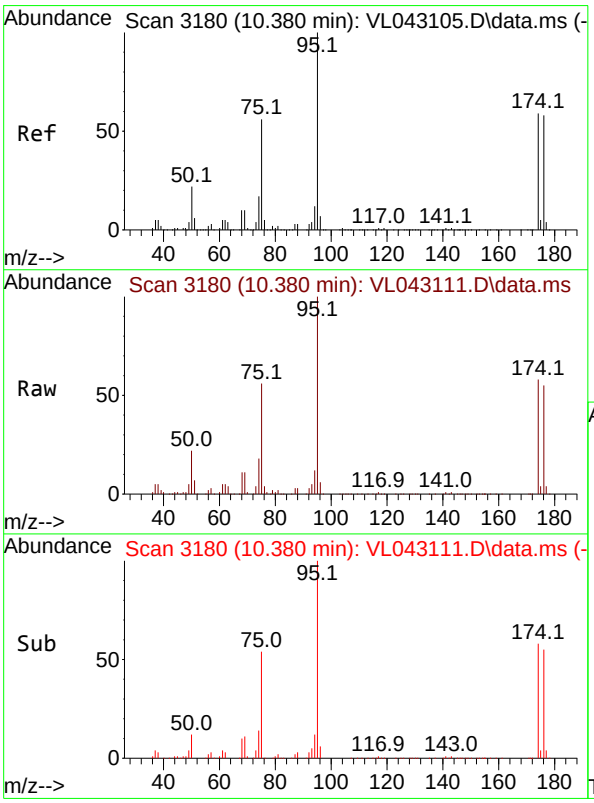
Supervised By :Mahesh Dadoda 10/16/2025

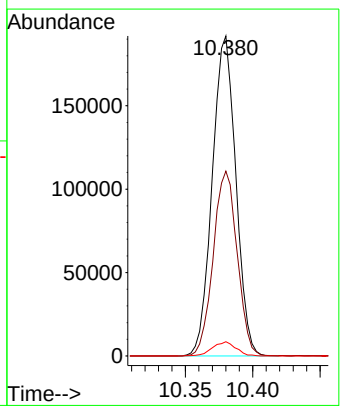


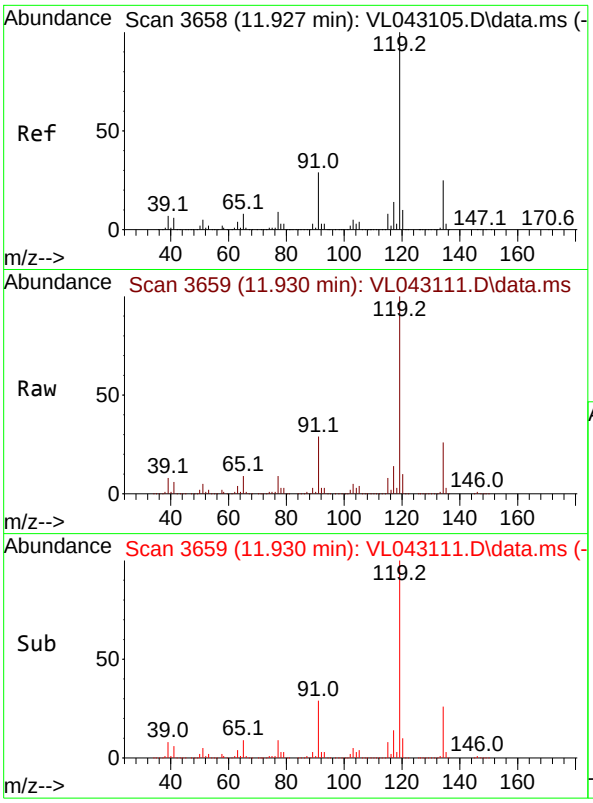


#68
1-Bromo-4-Fluorobenzene
Concen: 10.270 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 95 Resp: 233522

Ion	Ratio	Lower	Upper
95	100		
174	58.7	48.3	72.5
175	4.4	3.8	5.8

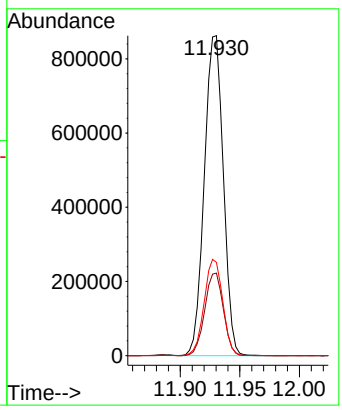




#69
p-Isopropyltoluene
Concen: 12.602 ppbv
RT: 11.930 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:119 Resp: 95920

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.3	30.5
91	29.5	22.6	33.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/16/2025
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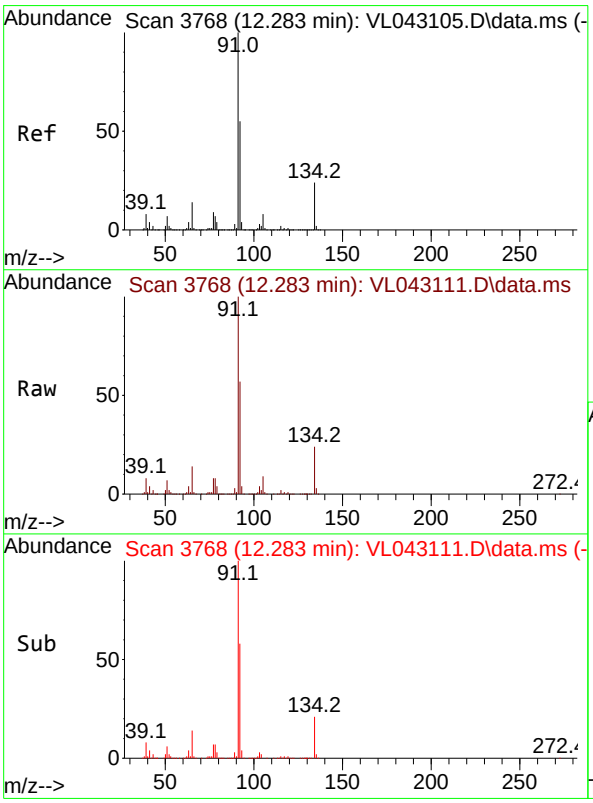
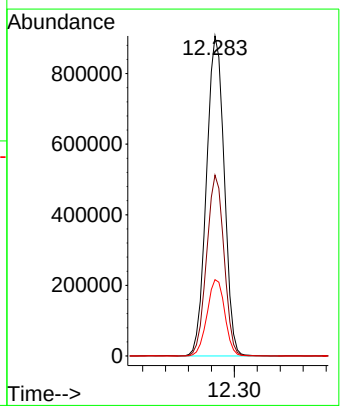
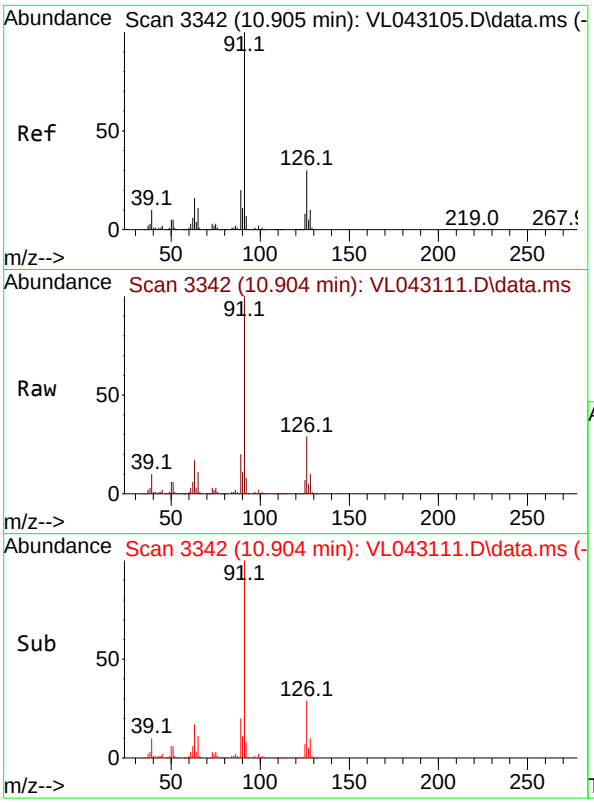


#70
n-Butylbenzene
Concen: 12.979 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 973466

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.5	66.7
134	23.8	19.3	28.9

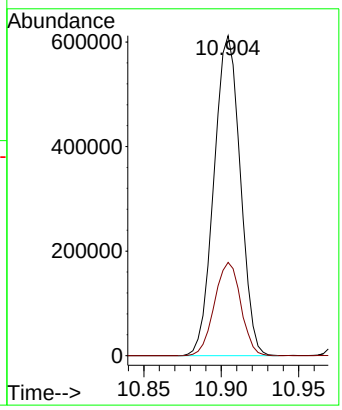




#71
2-Chlorotoluene
Concen: 13.242 ppbv
RT: 10.904 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 72182

Ion	Ratio	Lower	Upper
91	100		
126	29.1	12.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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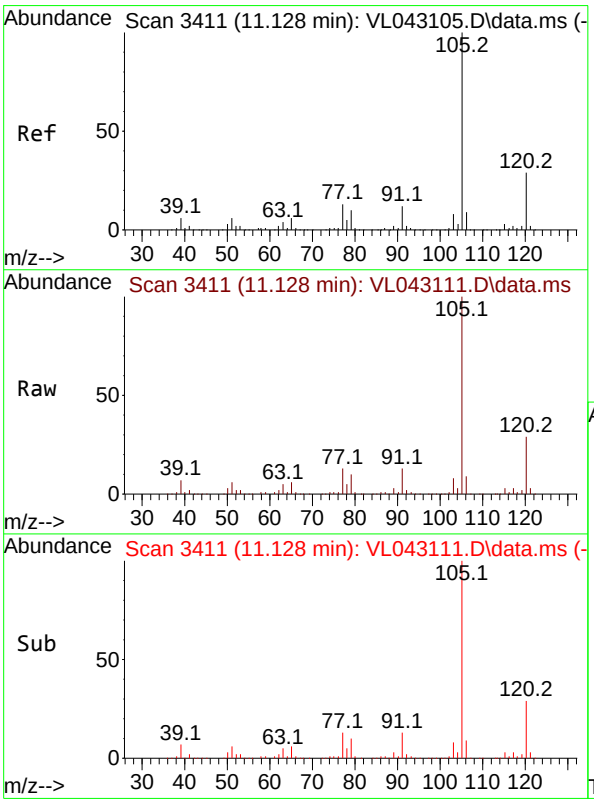
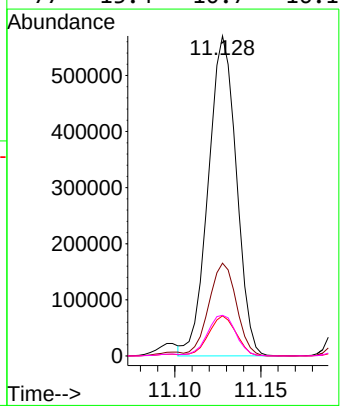
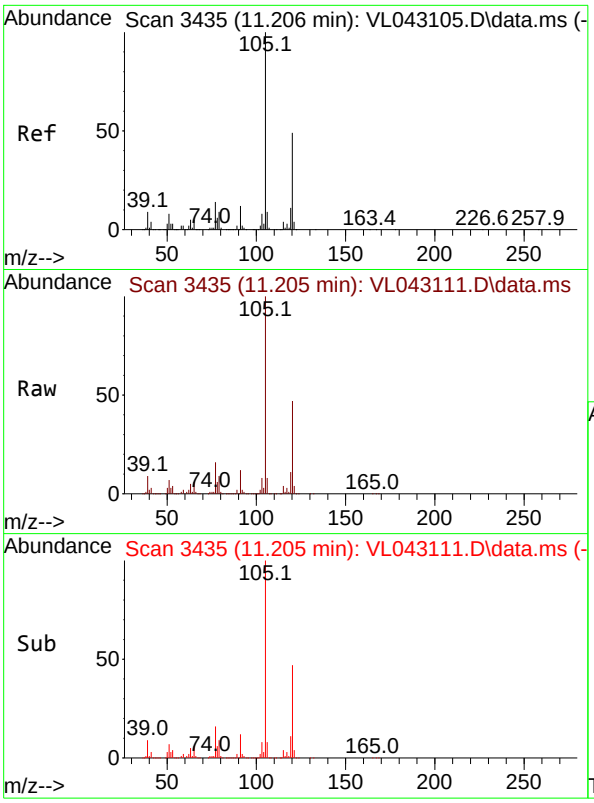


#72
4-Ethyltoluene
Concen: 13.310 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:105 Resp: 647315

Ion	Ratio	Lower	Upper
105	100		
120	29.6	24.2	36.4
91	12.7	10.0	15.0
77	13.4	10.7	16.1

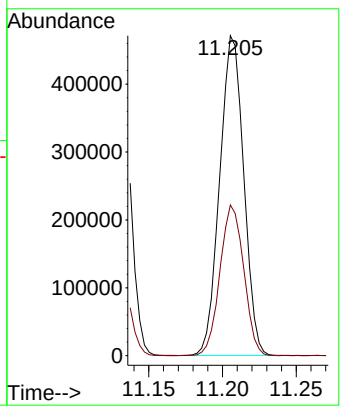




#73
1,3,5-Trimethylbenzene
Concen: 13.314 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:105 Resp: 53400

Ion	Ratio	Lower	Upper
105	100		
120	47.1	39.0	58.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/16/2025
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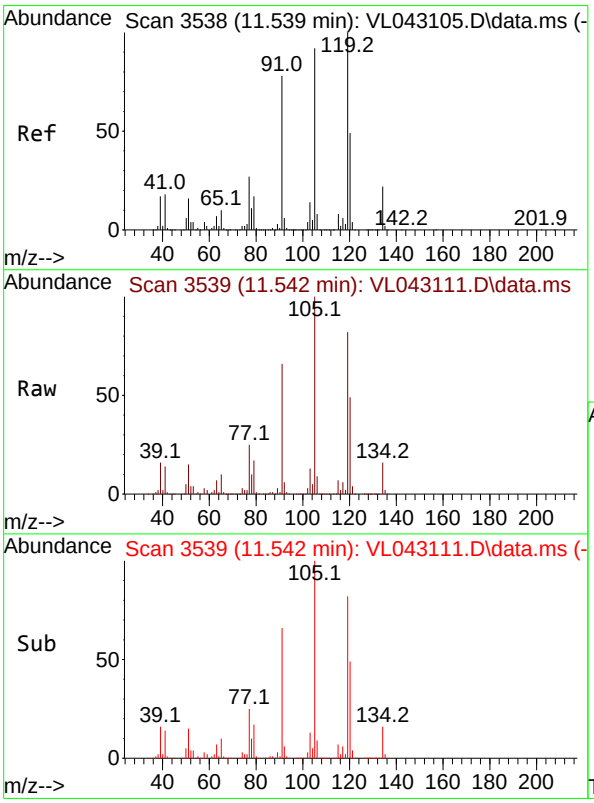
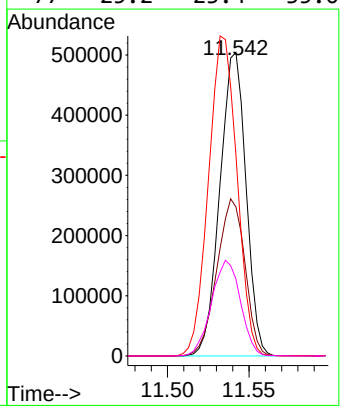
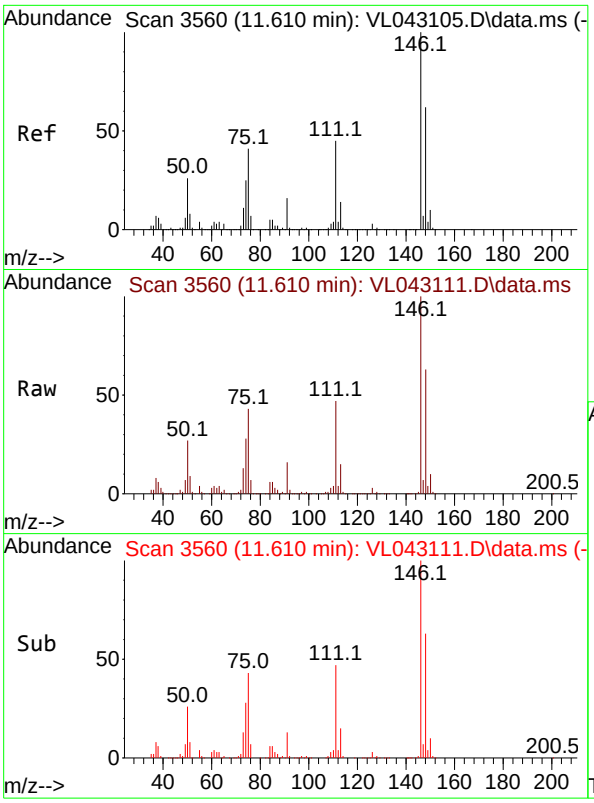


#74
1,2,4-Trimethylbenzene
Concen: 12.498 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:105 Resp: 560932

Ion	Ratio	Lower	Upper
105	100		
120	49.0	42.8	64.2
91	66.0	68.3	102.5#
77	25.2	23.4	35.0

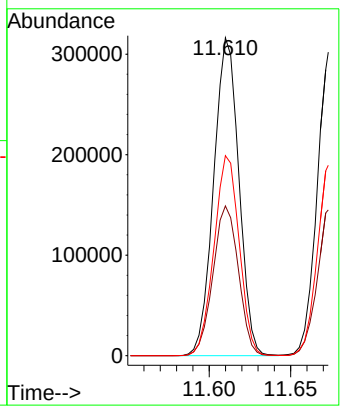




#75
1,3-Dichlorobenzene
Concen: 13.031 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:146 Resp: 33920

Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.3	69.9
148	63.0	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/16/2025
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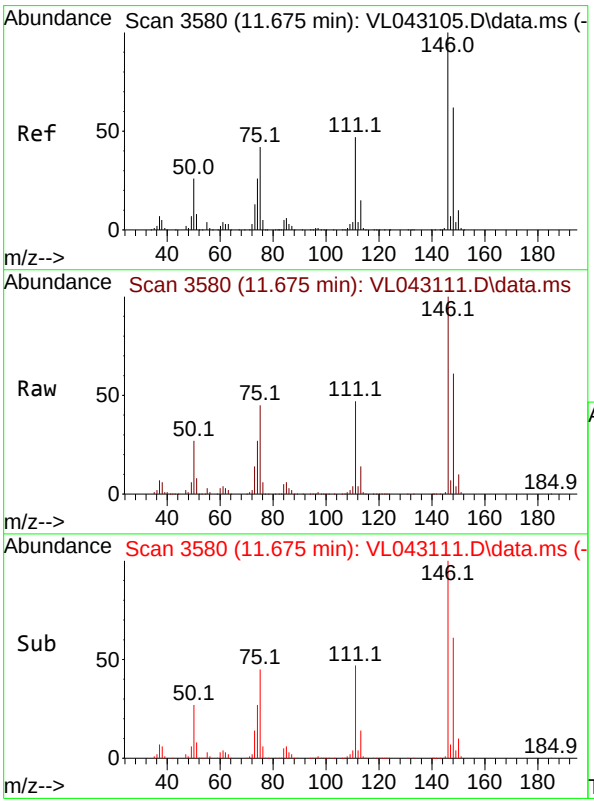
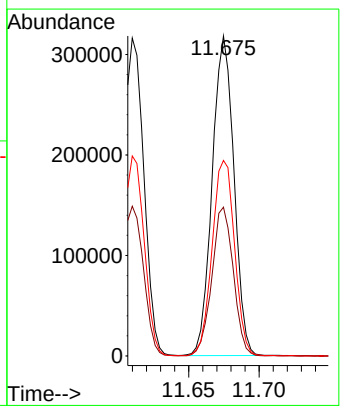
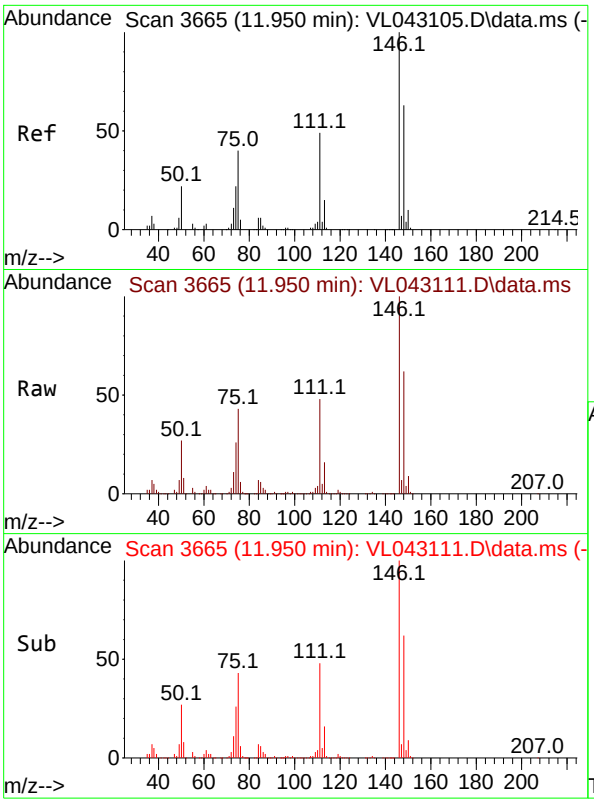


#76
1,4-Dichlorobenzene
Concen: 13.027 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:146 Resp: 341936

Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.4	67.0
148	63.4	31.6	94.7

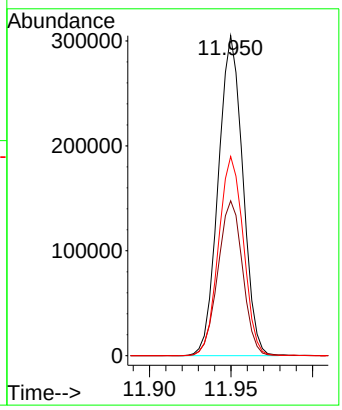




#77
1,2-Dichlorobenzene
Concen: 12.660 ppbv
RT: 11.950 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:146 Resp: 31880

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.0	72.0
148	63.2	31.1	93.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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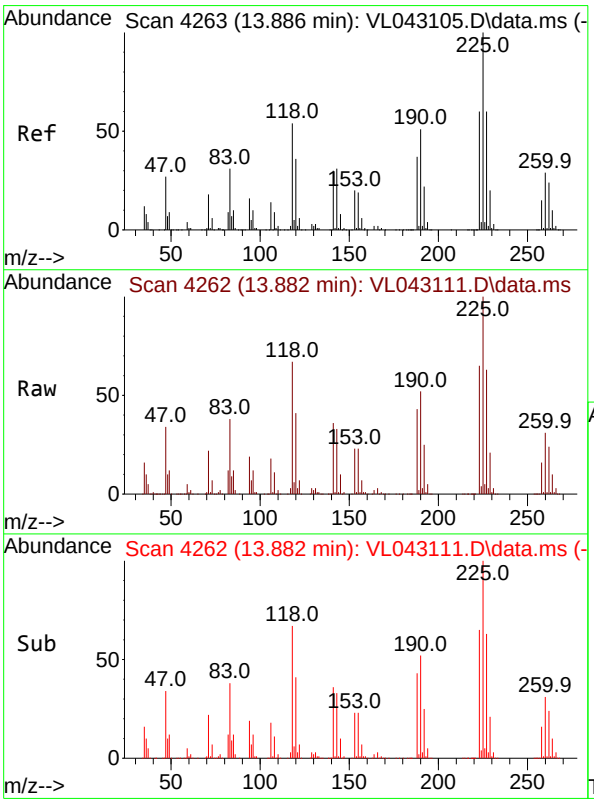
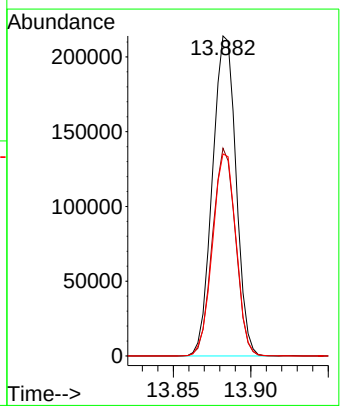
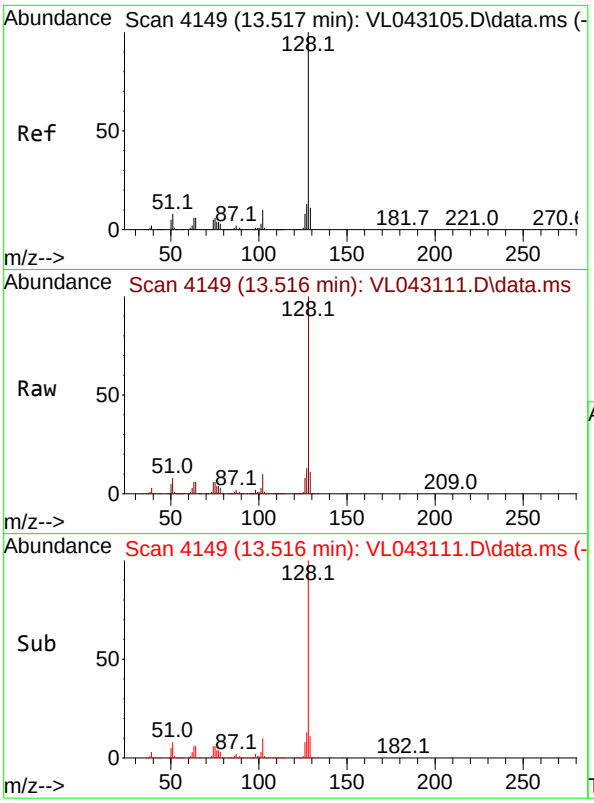


#78
Hexachloro-1,3-Butadiene
Concen: 11.606 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:225 Resp: 226294

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.4
227	63.1	49.6	74.4





#79
Naphthalene
Concen: 14.260 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:128 Resp: 66109

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	9.1	13.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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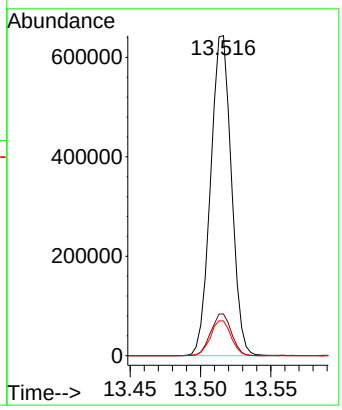
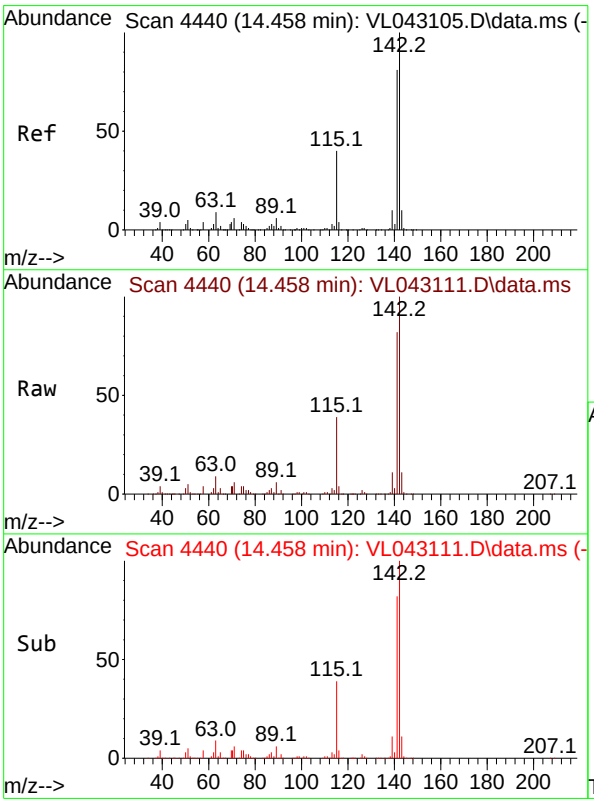
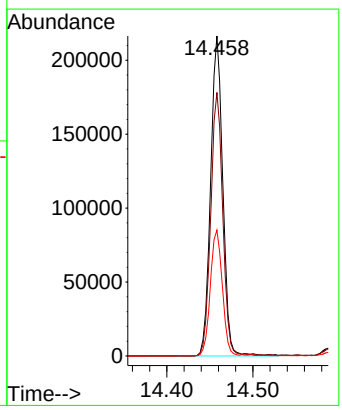


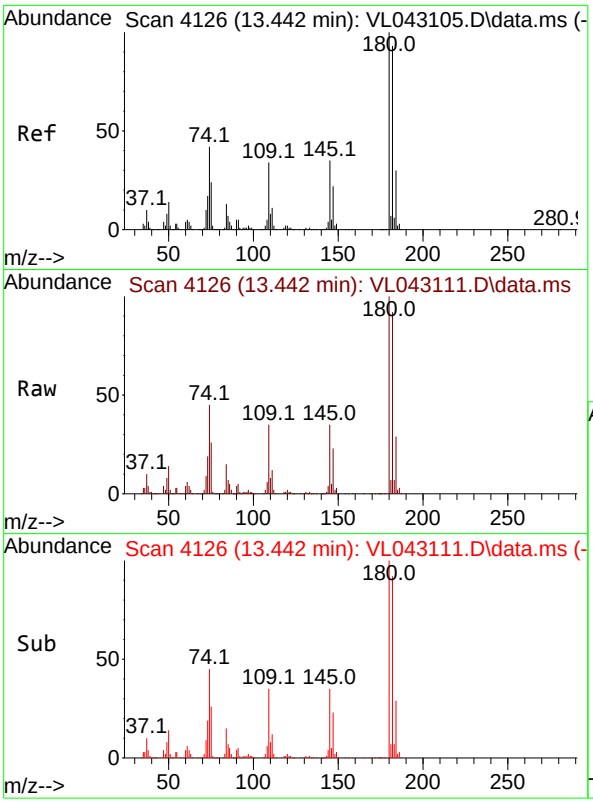


#80
Naphthalene,2-methyl-
Concen: 17.384 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:142 Resp: 212784

Ion	Ratio	Lower	Upper
142	100		
141	81.9	64.6	97.0
115	39.4	30.2	45.4

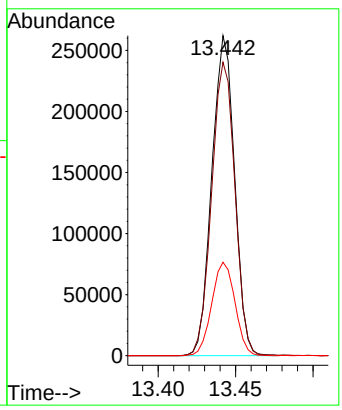




#81
1,2,4-Trichlorobenzene
Concen: 13.698 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:180 Resp: 26671

Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.5	113.3
184	30.0	23.9	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations APPROVED

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
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Acq On : 14 Oct 2025 14:51
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Sample : VSTDICV010
Misc : 400mL/MSVOA_L
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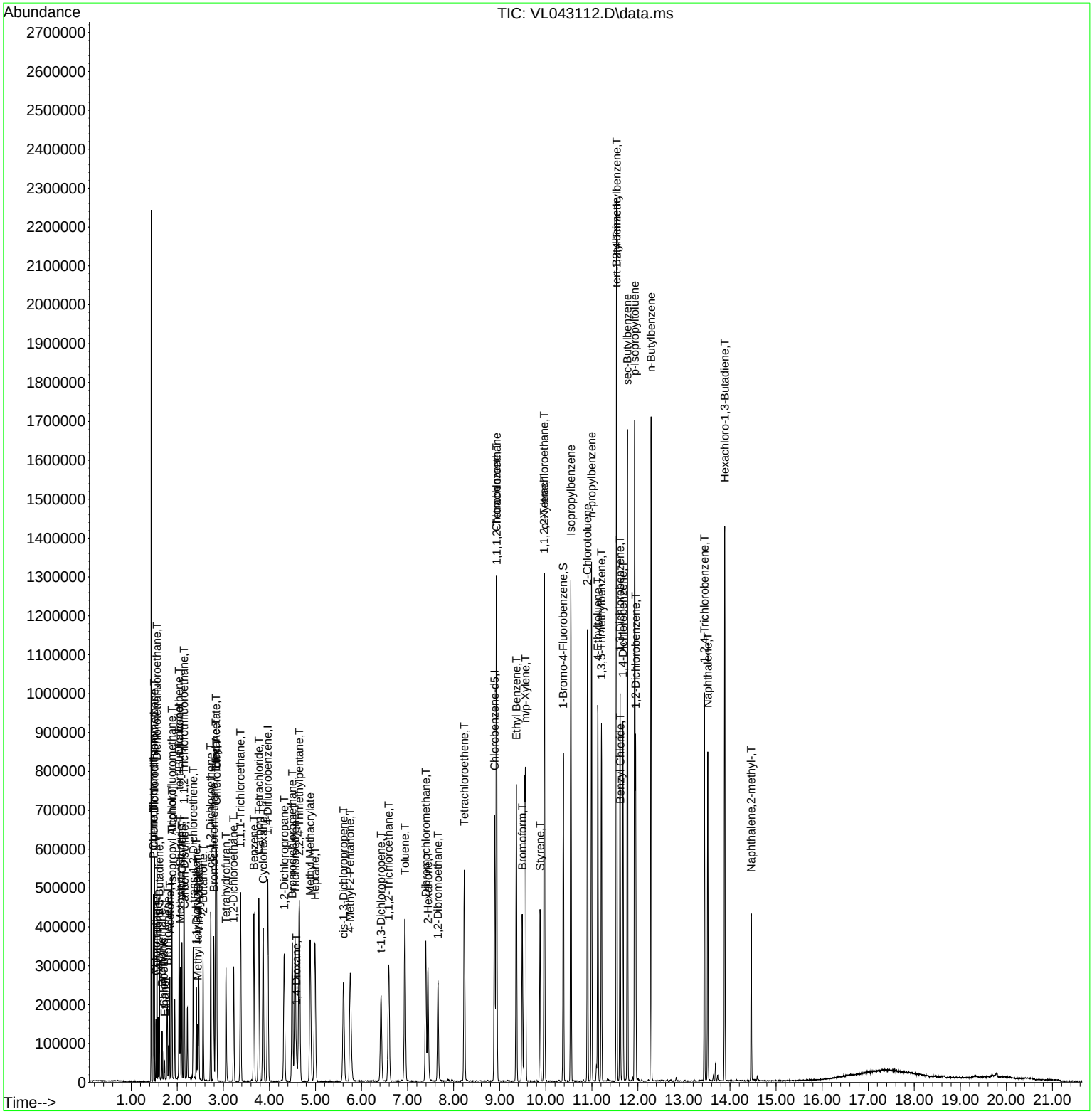
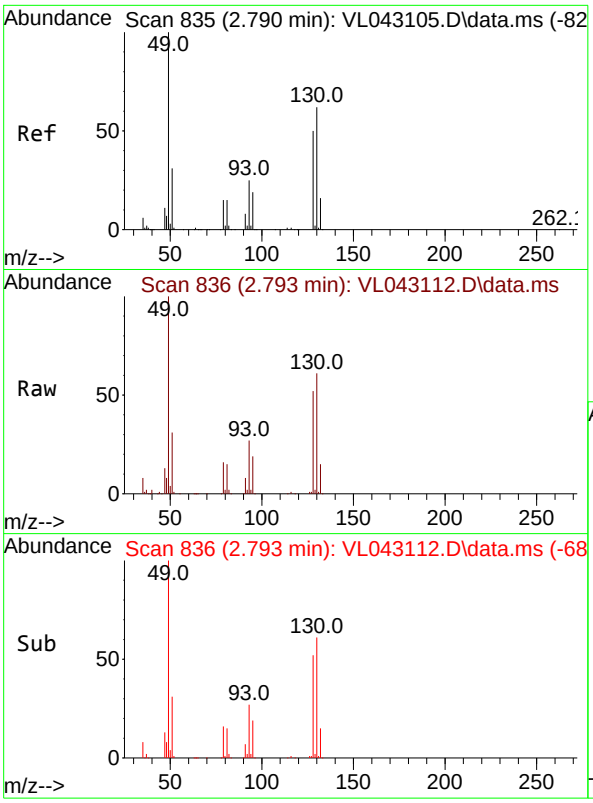
Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations APPROVED

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

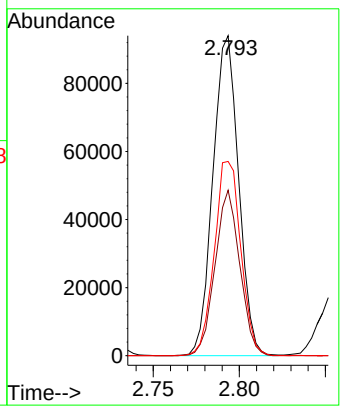




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 49 Resp: 9756

Ion	Ratio	Lower	Upper
49	100		
128	50.0	24.4	73.4
130	62.8	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
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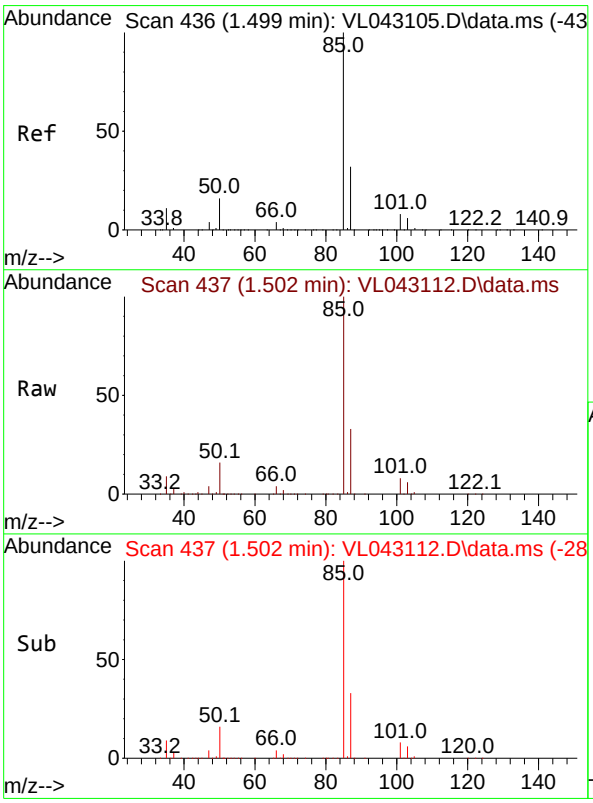
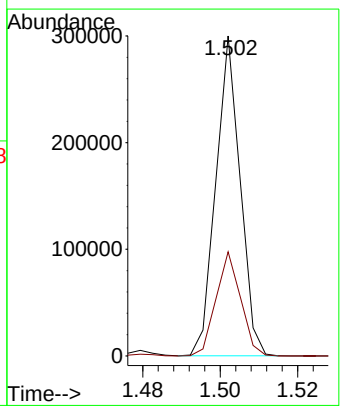
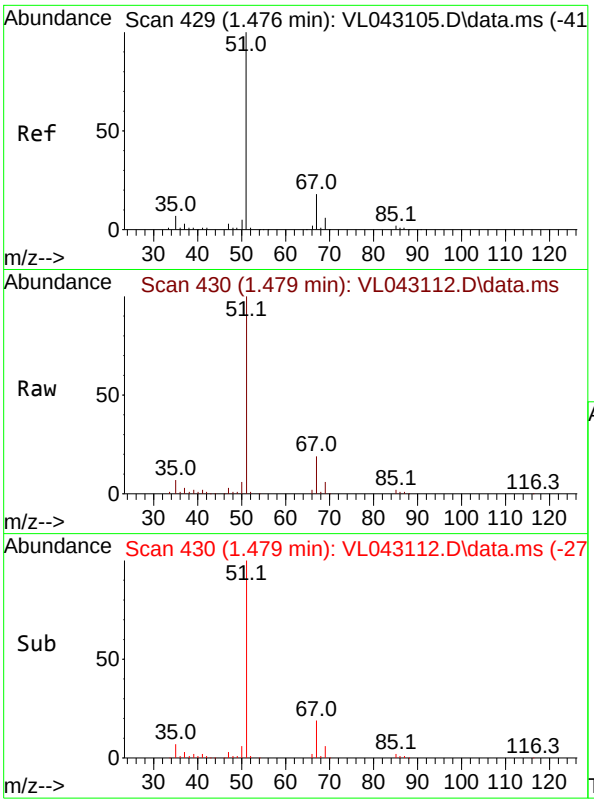


#2
Dichlorodifluoromethane
Concen: 9.425 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 85 Resp: 130726

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.3	37.9

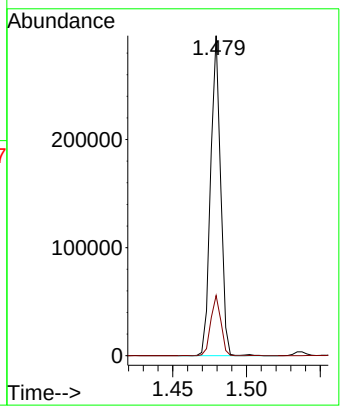




#3
Chlorodifluoromethane
Concen: 9.260 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 51 Resp: 13895

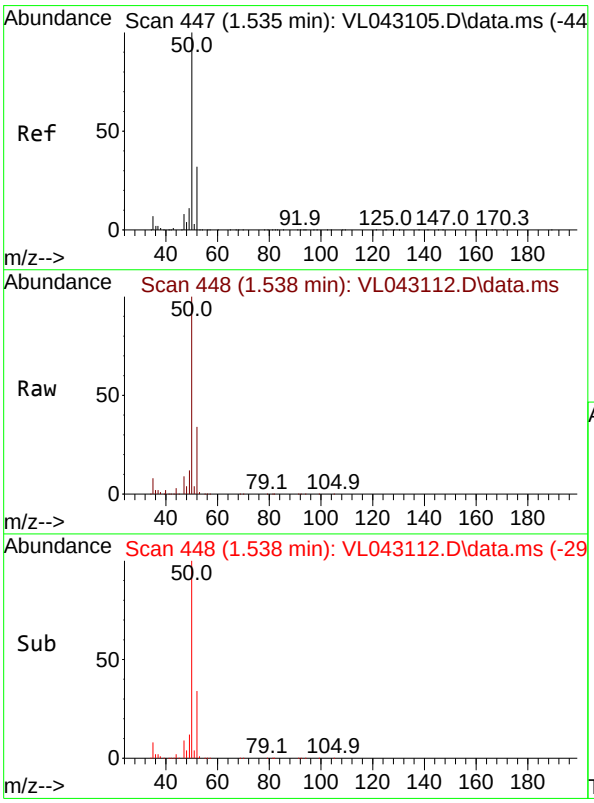
Ion	Ratio	Lower	Upper
51	100		
67	19.1	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

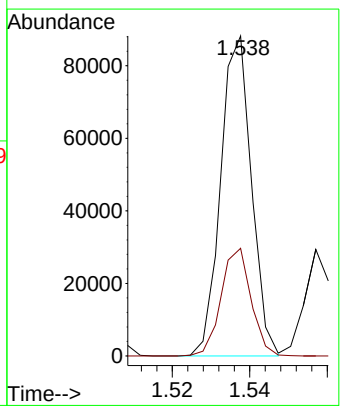
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

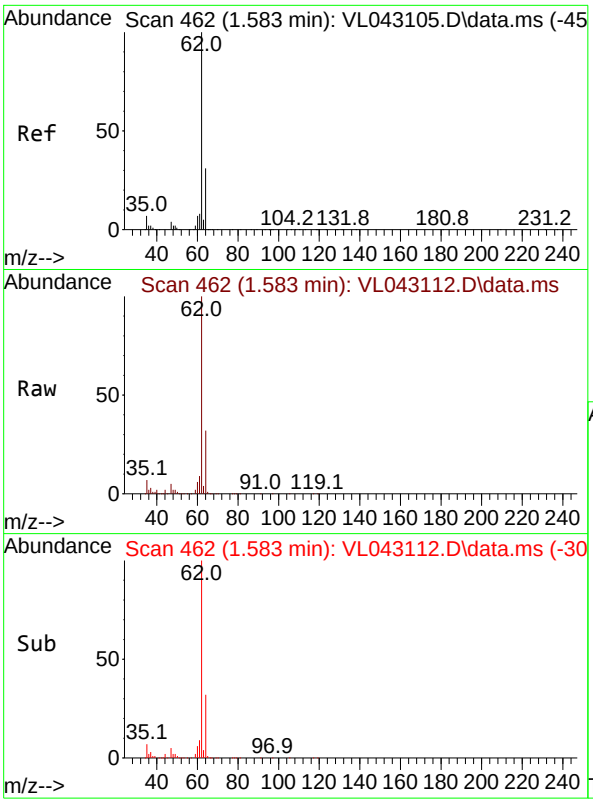


#4
Chloromethane
Concen: 8.867 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 50 Resp: 48722

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.2	37.8





#5
Vinyl Chloride
Concen: 8.722 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

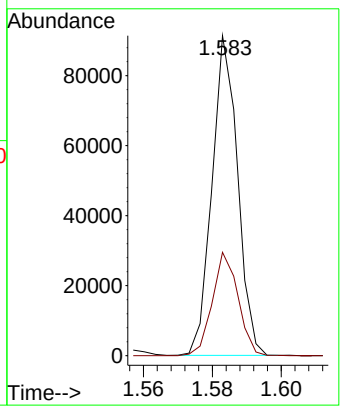
Tgt Ion: 62 Resp: 4700

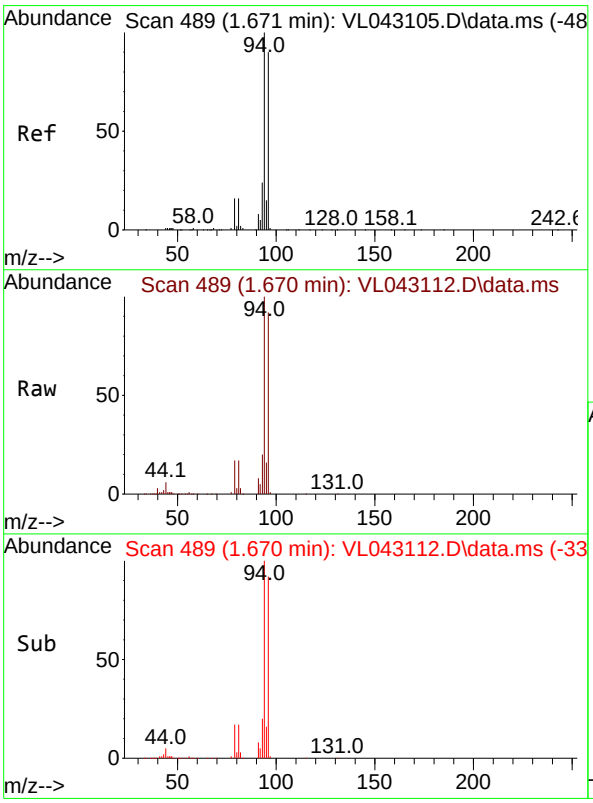
Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.6	36.8

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

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

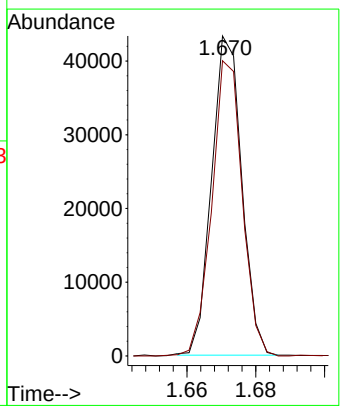


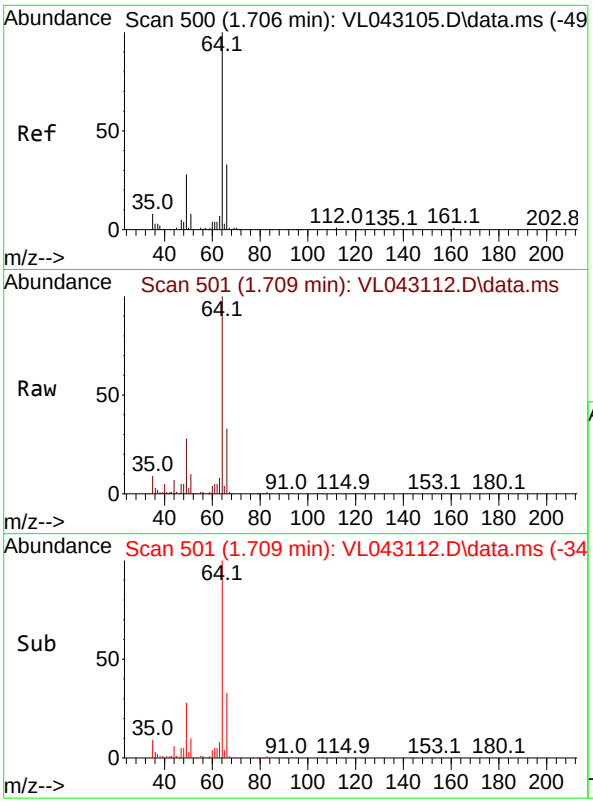


#6
Bromomethane
Concen: 8.901 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 94 Resp: 26304

Ion	Ratio	Lower	Upper
94	100		
96	92.5	72.2	108.4

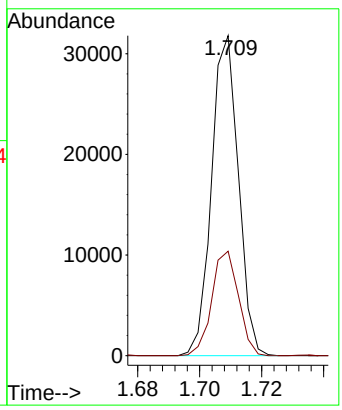




#7
Chloroethane
Concen: 8.685 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 64 Resp: 1913

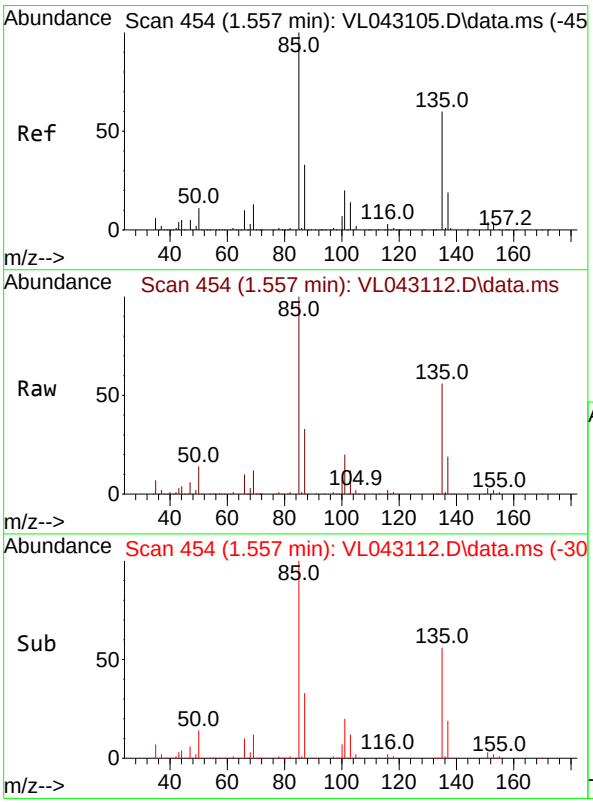
Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

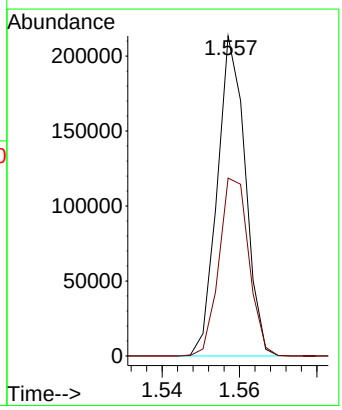
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

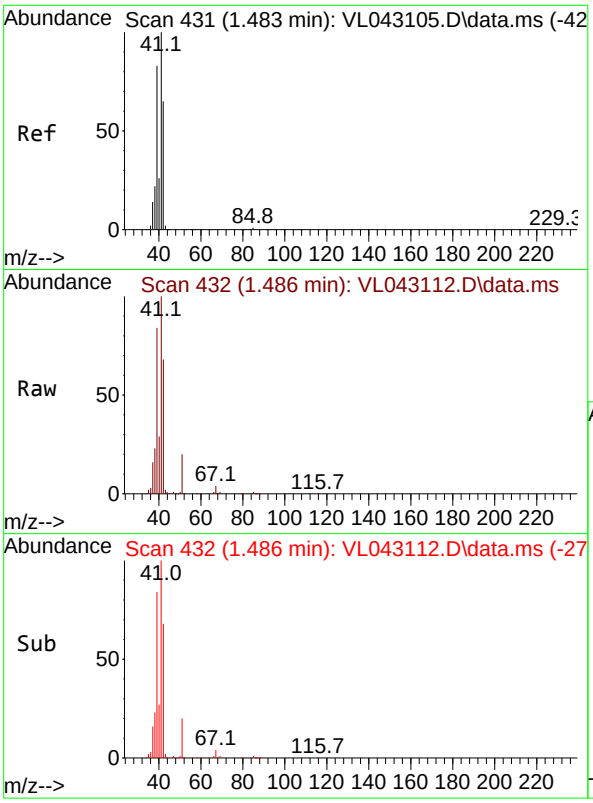


#8
Dichlorotetrafluoroethane
Concen: 9.558 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 85 Resp: 107147

Ion	Ratio	Lower	Upper
85	100		
135	59.5	48.2	72.4

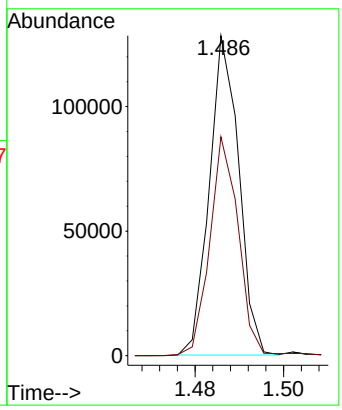




#9
Propene
Concen: 8.908 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 41 Resp: 5928

Ion	Ratio	Lower	Upper
41	100		
42	67.3	55.1	82.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
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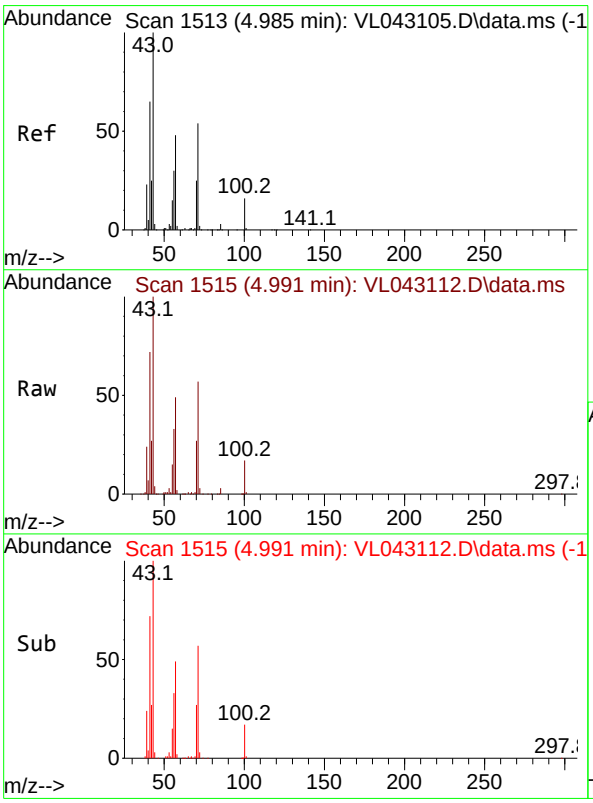
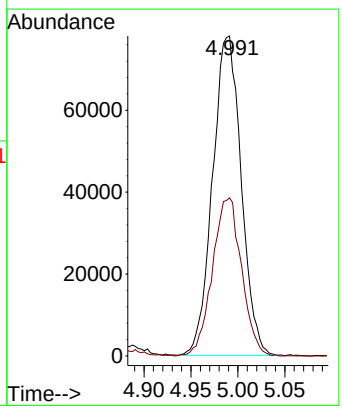
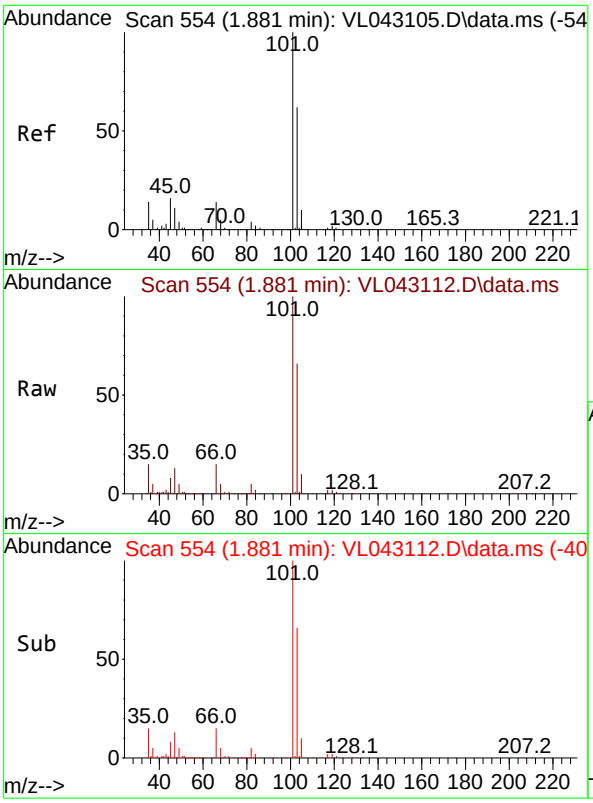


#10
Heptane
Concen: 8.629 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 43 Resp: 165341

Ion	Ratio	Lower	Upper
43	100		
57	50.4	40.8	61.2

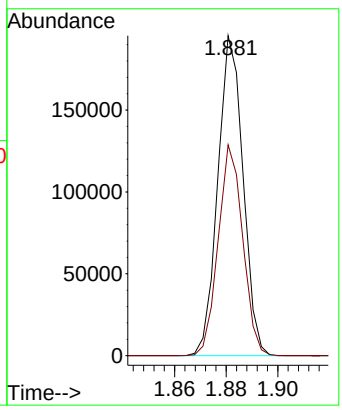




#11
Trichlorofluoromethane
Concen: 9.762 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:101 Resp: 13244

Ion	Ratio	Lower	Upper
101	100		
103	65.9	49.3	73.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
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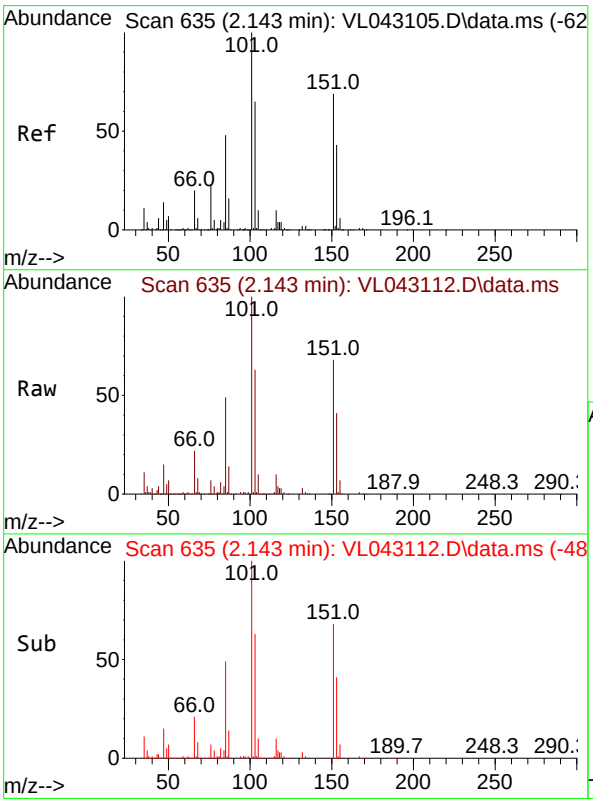
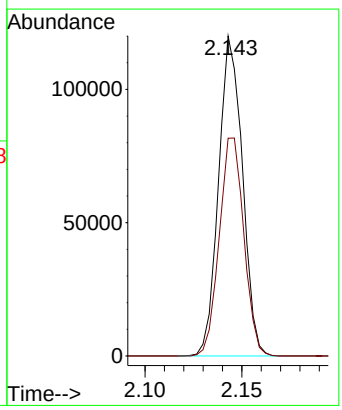
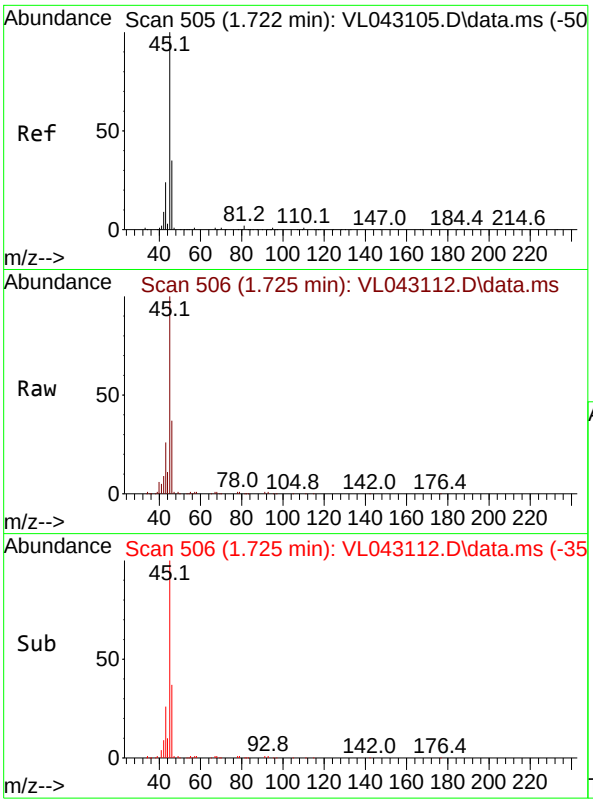


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.380 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:101 Resp: 102449

Ion	Ratio	Lower	Upper
101	100		
151	70.4	54.7	82.1

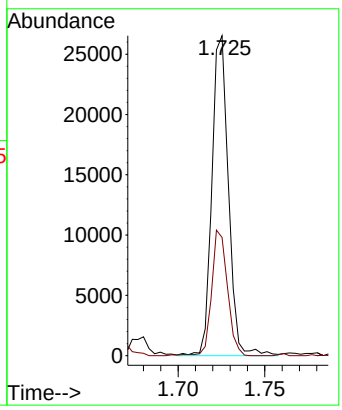




#13
Ethanol
Concen: 7.173 ppbv m
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 45 Resp: 1765

Ion	Ratio	Lower	Upper
45	100		
46	37.4	14.7	58.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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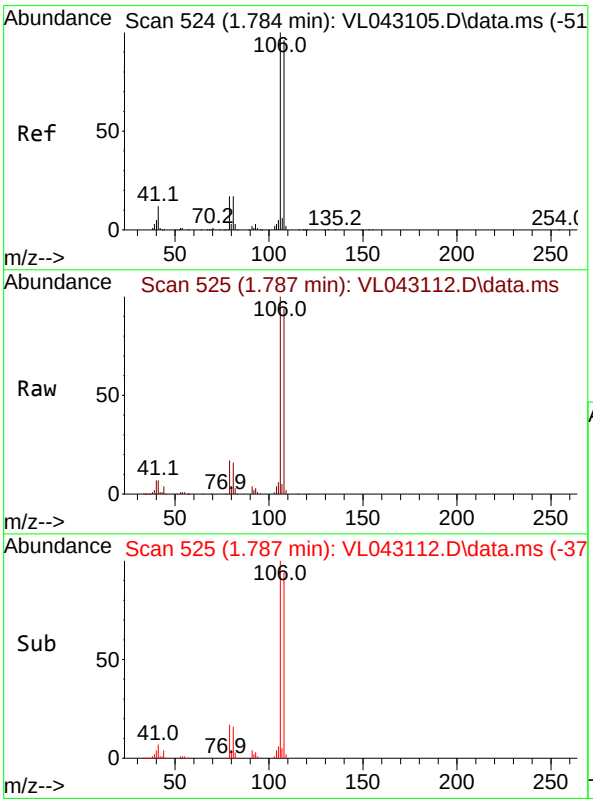
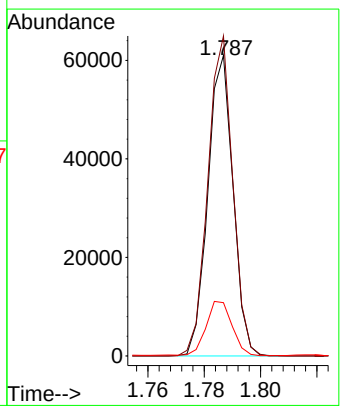
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

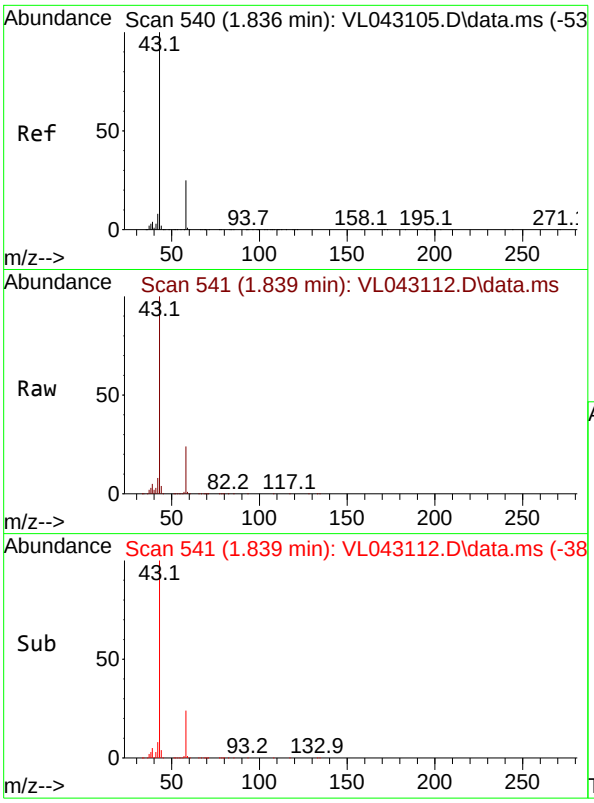


#14
Bromoethene
Concen: 9.324 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:108 Resp: 37835

Ion	Ratio	Lower	Upper
108	100		
106	105.3	84.4	126.6
79	18.7	15.3	22.9

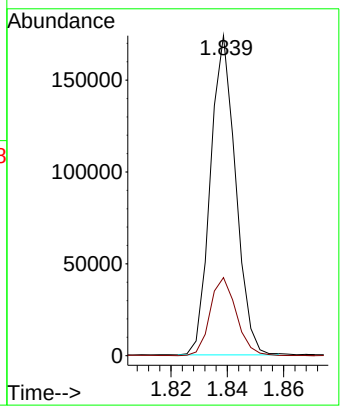




#15
Acetone
Concen: 8.214 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 43 Resp: 10801

Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.8	31.2



Instrument :
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ClientSampleId :
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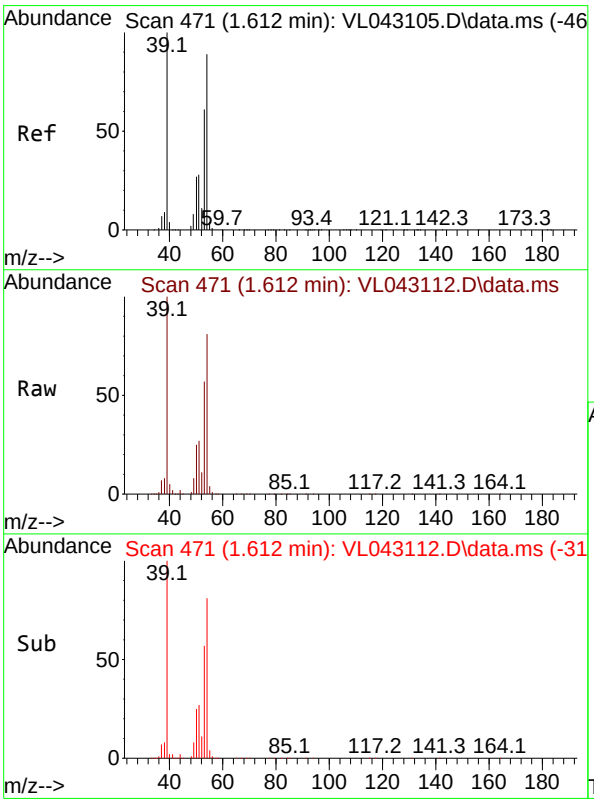
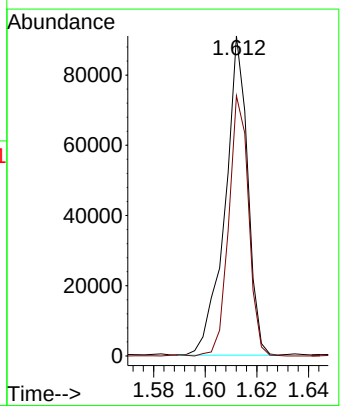
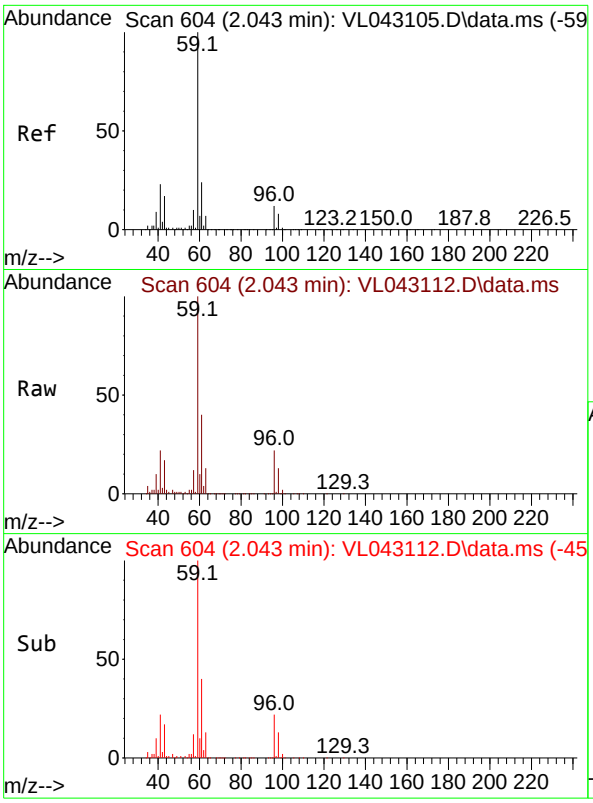


#16
1,3-Butadiene
Concen: 8.855 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 39 Resp: 55493

Ion	Ratio	Lower	Upper
39	100		
54	72.0	59.0	88.4

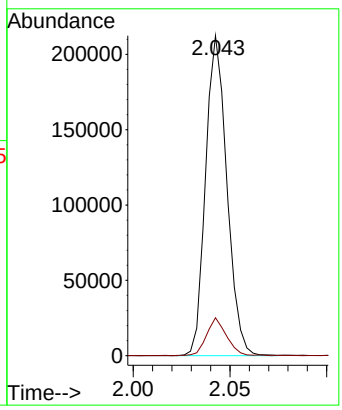




#17
tert-Butyl alcohol
Concen: 9.012 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 59 Resp: 16267

Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.2	12.4



Instrument :
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ClientSampleId :
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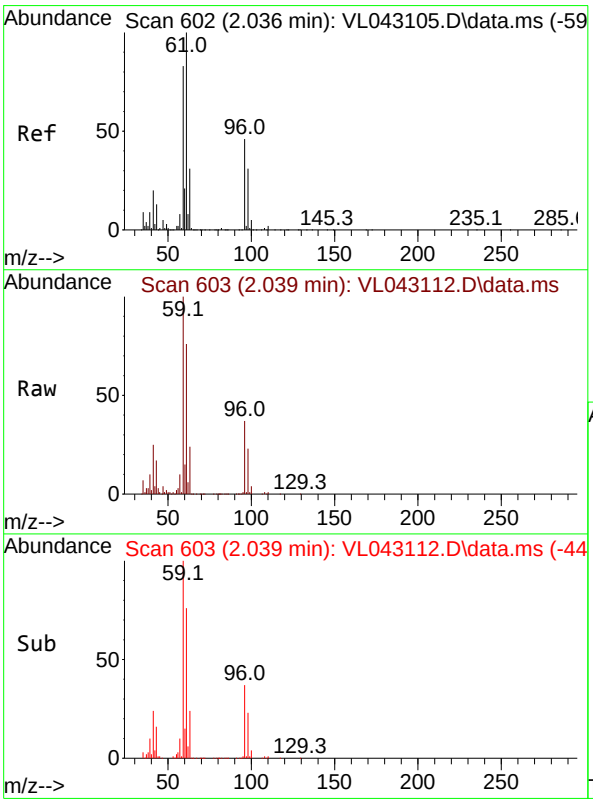
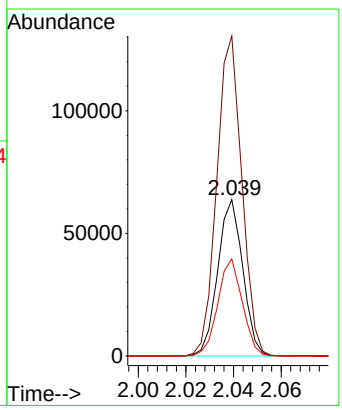
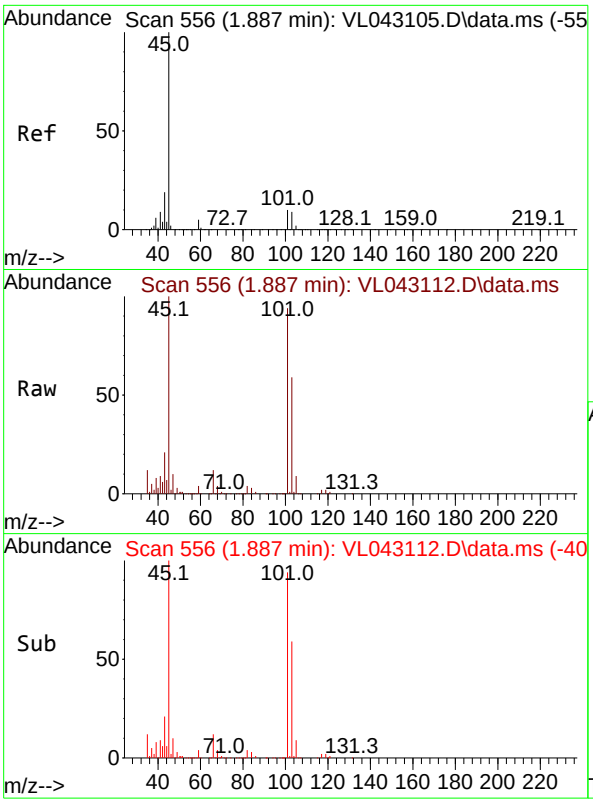


#18
1,1-Dichloroethene
Concen: 9.774 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 96 Resp: 46544

Ion	Ratio	Lower	Upper
96	100		
61	204.7	173.4	260.0
98	62.1	53.2	79.8

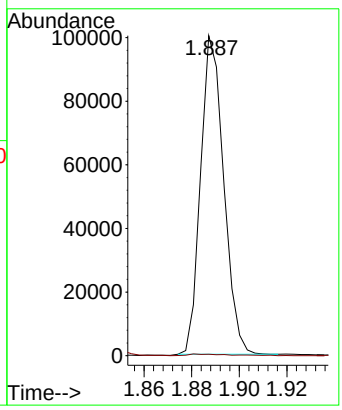




#19
Isopropyl Alcohol
Concen: 8.248 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 45 Resp: 6755

Ion	Ratio	Lower	Upper
45	100		
58	41.1	31.3	46.9



Instrument :
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ClientSampleId :
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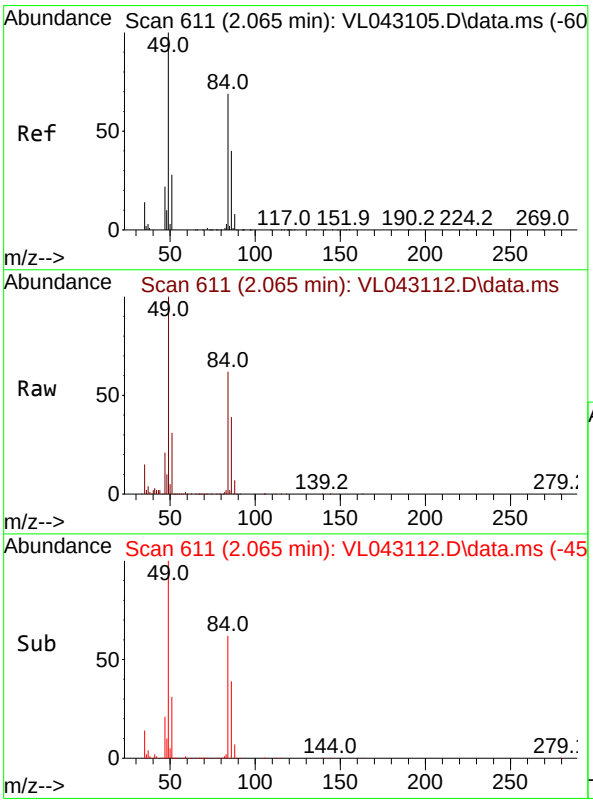
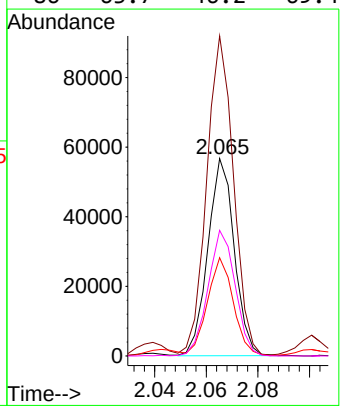
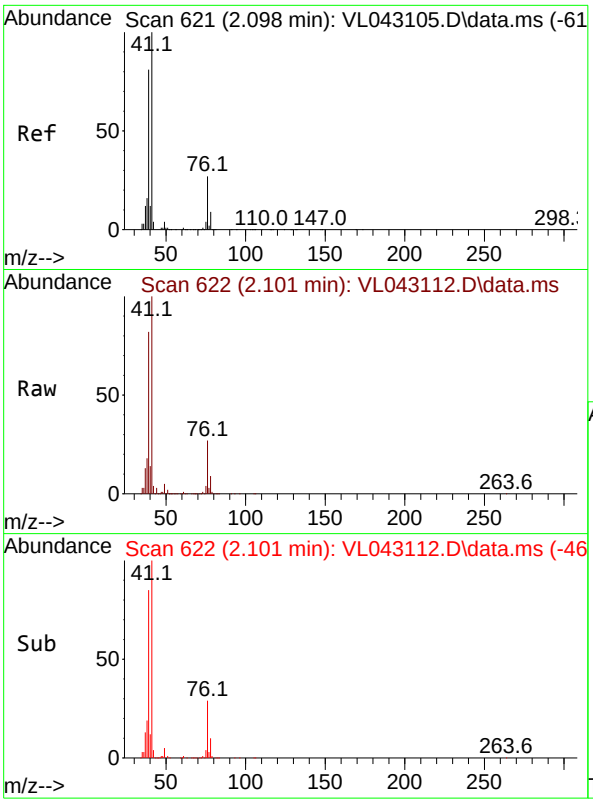


#20
Methylene Chloride
Concen: 7.757 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 84 Resp: 40319

Ion	Ratio	Lower	Upper
84	100		
49	161.4	116.6	175.0
51	49.4	34.8	52.2
86	63.7	46.2	69.4

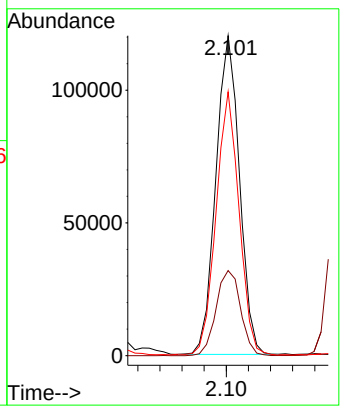




#21
Allyl Chloride
Concen: 9.181 ppbv
RT: 2.101 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 41 Resp: 8896

Ion	Ratio	Lower	Upper
41	100		
76	27.7	21.5	32.3
39	80.2	60.8	91.2



Instrument :
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ClientSampleId :
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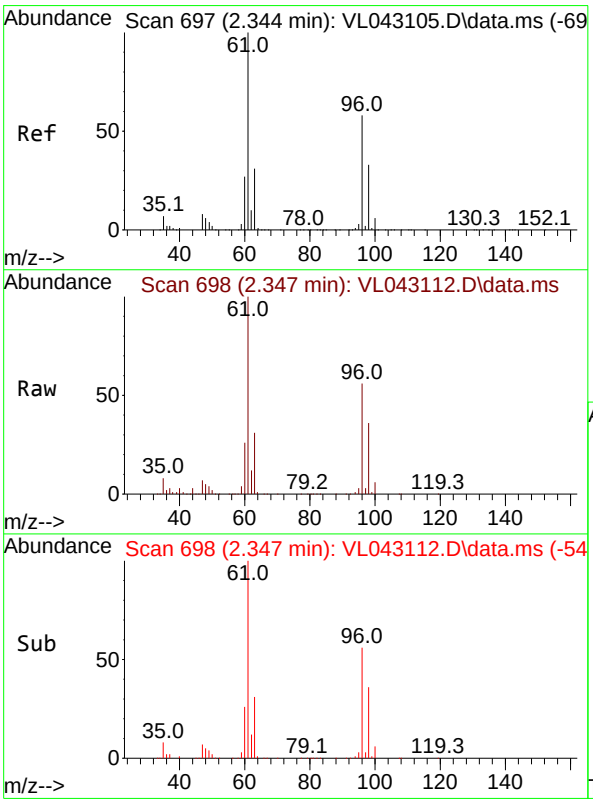
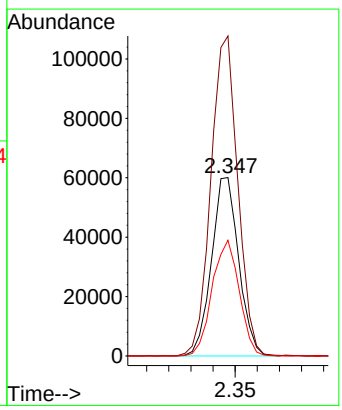
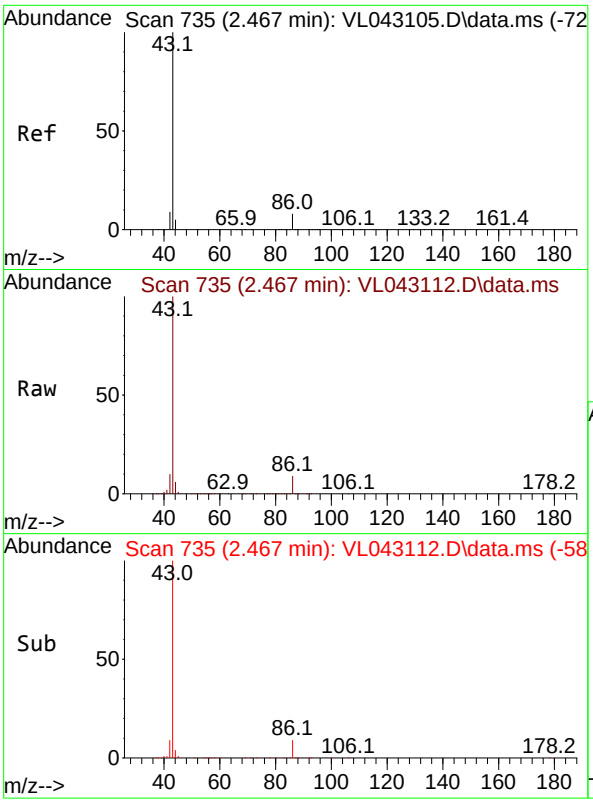


#22
trans-1,2-Dichloroethene
Concen: 9.011 ppbv
RT: 2.347 min Scan# 698
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 96 Resp: 51295

Ion	Ratio	Lower	Upper
96	100		
61	179.2	137.0	205.6
98	64.8	45.5	68.3

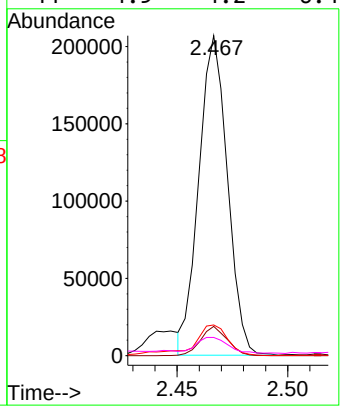




#23
Vinyl Acetate
Concen: 9.621 ppbv
RT: 2.467 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 43 Resp: 18532

Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.2	9.2
42	9.5	7.6	11.4
44	4.9	4.2	6.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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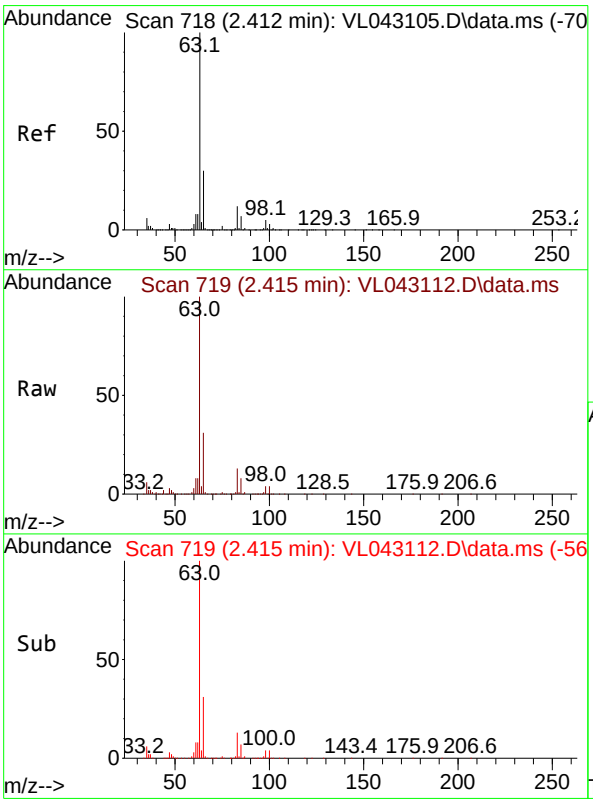
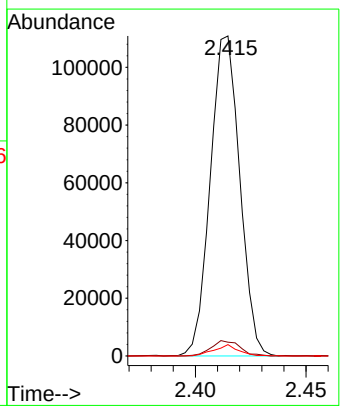
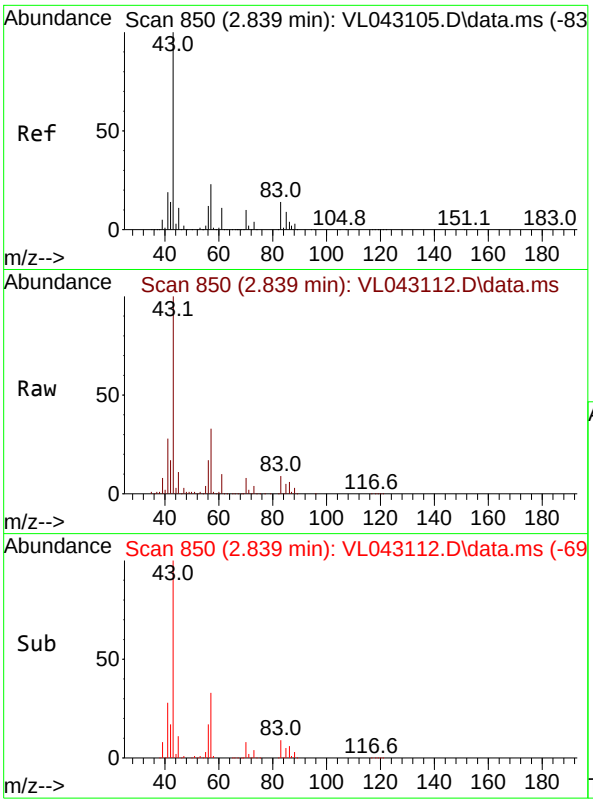


#24
1,1-Dichloroethane
Concen: 9.355 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 63 Resp: 102877

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.6	7.8
100	3.5	1.5	4.4

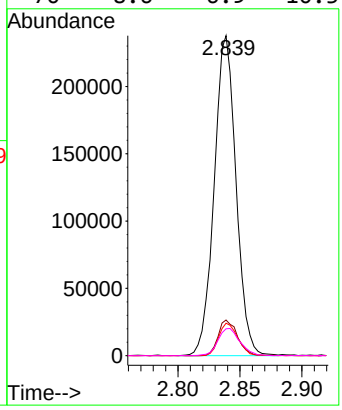




#25
Ethyl Acetate
Concen: 8.966 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 43 Resp: 29239

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.8
61	9.0	7.0	10.6
70	8.6	6.9	10.3



Instrument :
MSVOA_L
ClientSampleId :
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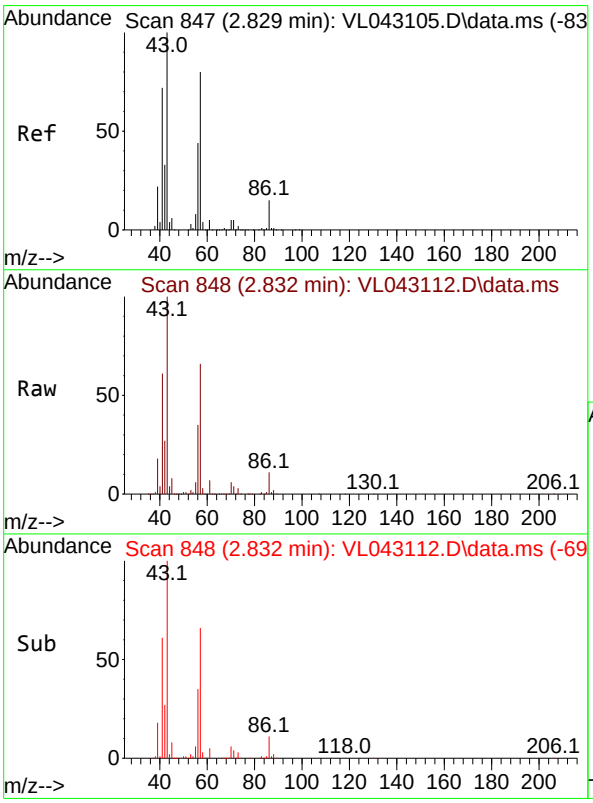
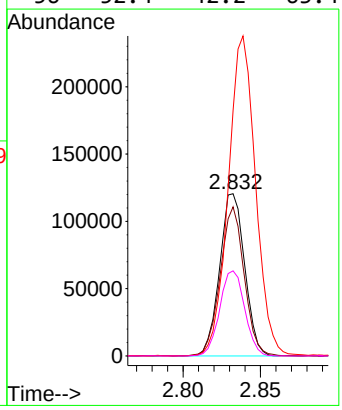
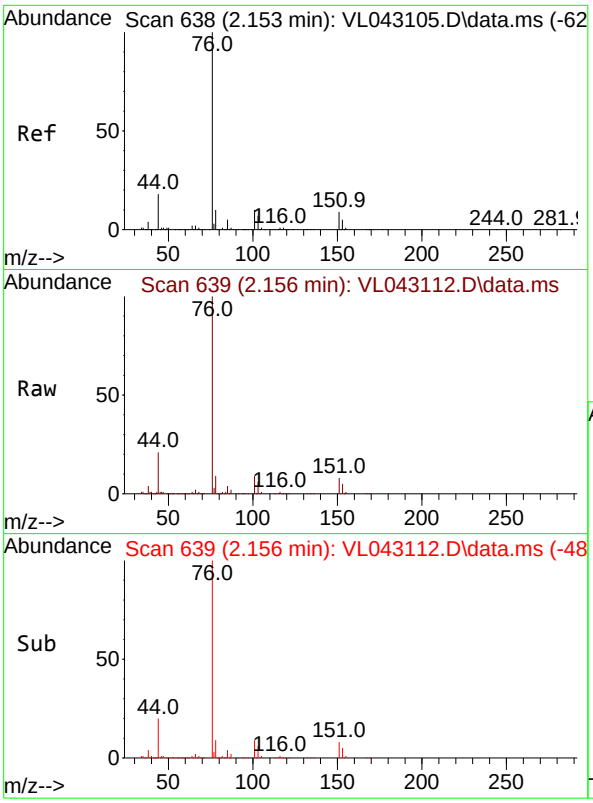


#26
Hexane
Concen: 9.015 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 57 Resp: 135463

Ion	Ratio	Lower	Upper
57	100		
41	88.9	71.4	107.0
43	216.8	178.5	267.7
56	52.4	42.2	63.4

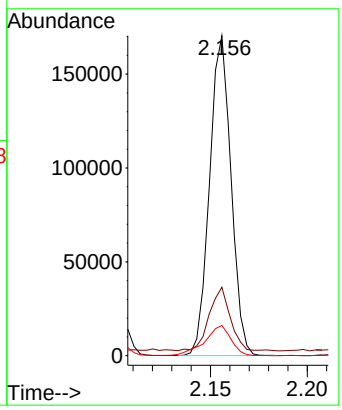




#27
Carbon Disulfide
Concen: 9.520 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 76 Resp: 13106

Ion	Ratio	Lower	Upper
76	100		
44	20.7	16.7	25.1
78	11.7	9.3	13.9



Instrument :
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ClientSampleId :
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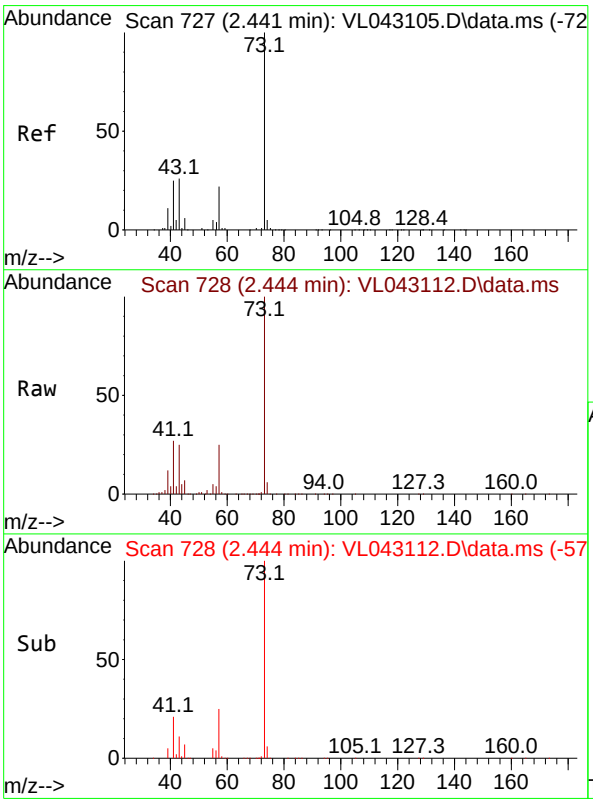
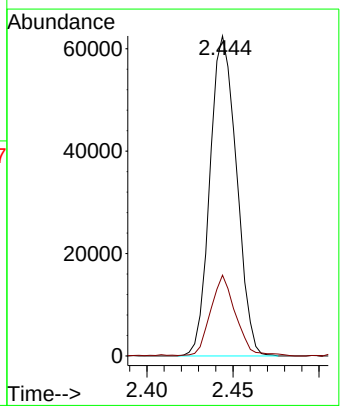
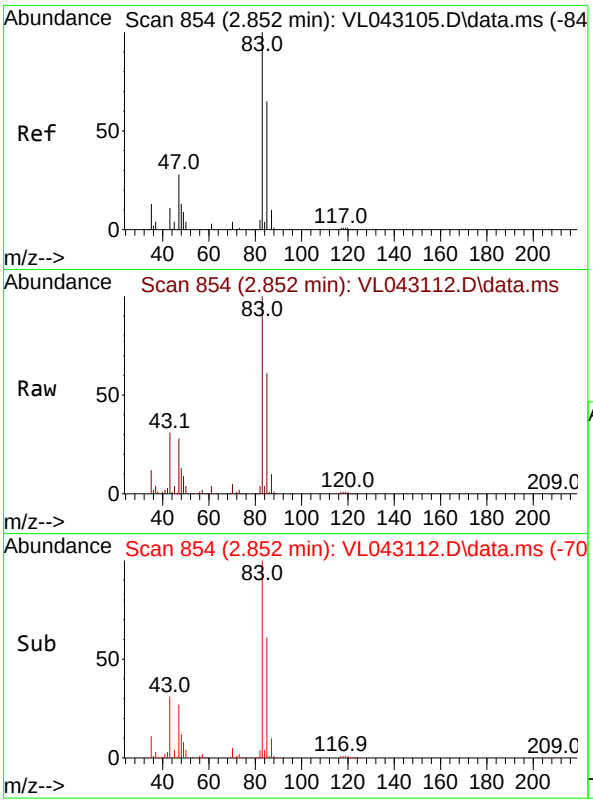


#28
Methyl tert-Butyl Ether
Concen: 9.839 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 73 Resp: 67260

Ion	Ratio	Lower	Upper
73	100		
57	24.1	20.5	30.7





#29
Chloroform
Concen: 9.412 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 83 Resp: 20492

Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.8	77.6

Instrument :
MSVOA_L
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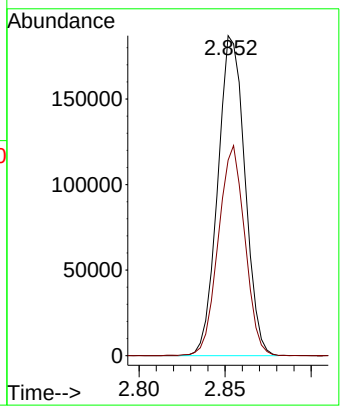
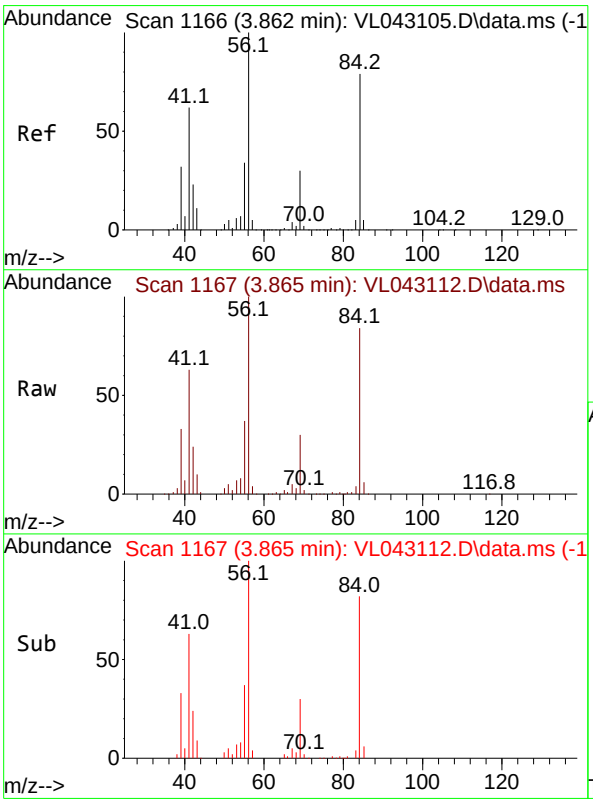
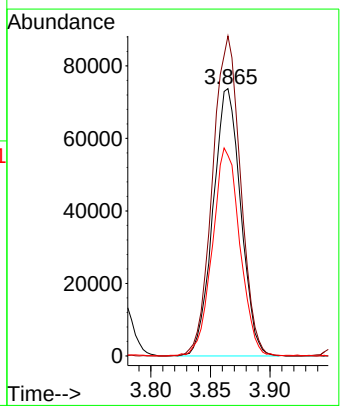


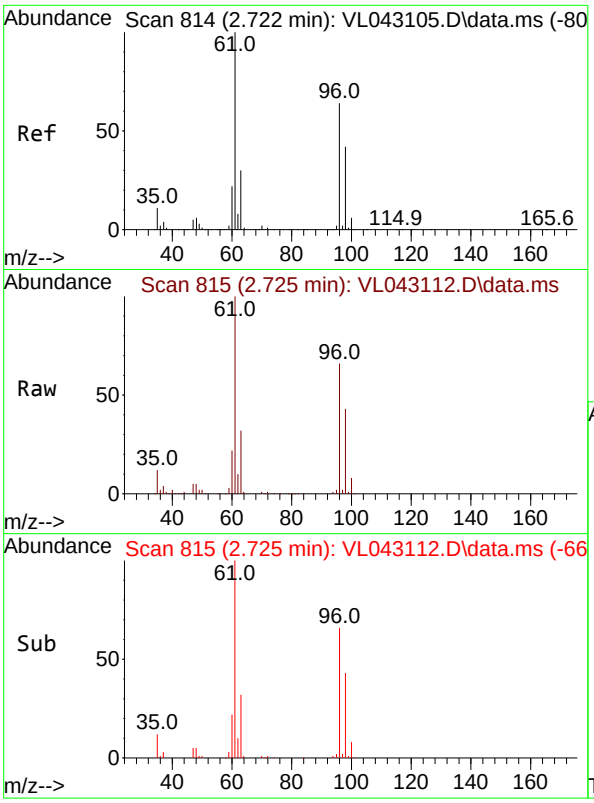


#30
Cyclohexane
Concen: 9.096 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 84 Resp: 119287

Ion	Ratio	Lower	Upper
84	100		
56	120.8	100.9	151.3
41	77.4	63.8	95.6

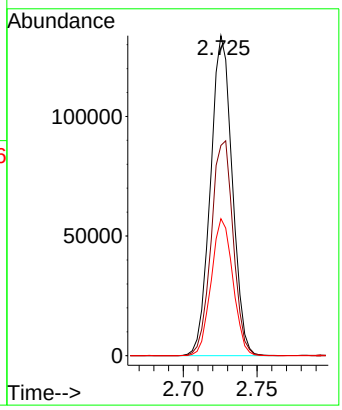




#31
cis-1,2-Dichloroethene
Concen: 9.580 ppbv
RT: 2.725 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 61 Resp: 13746

Ion	Ratio	Lower	Upper
61	100		
96	65.7	51.0	76.6
98	42.8	33.5	50.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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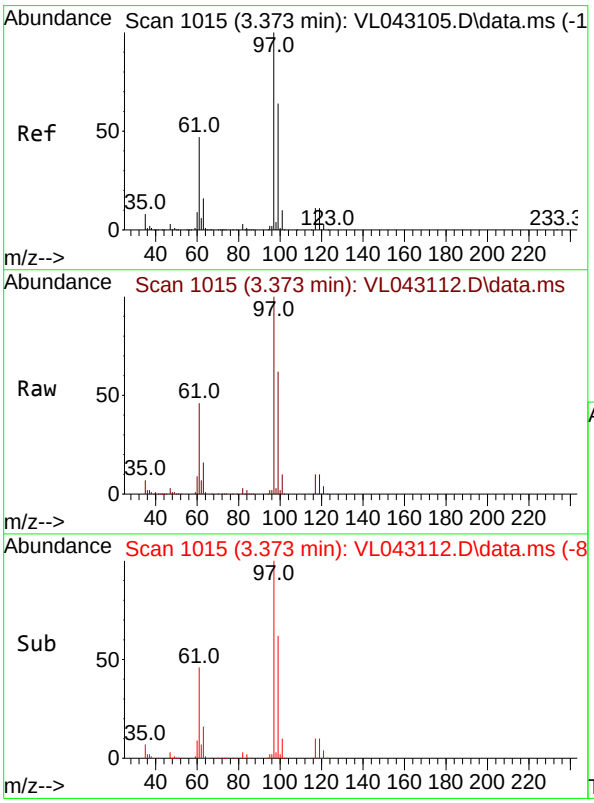
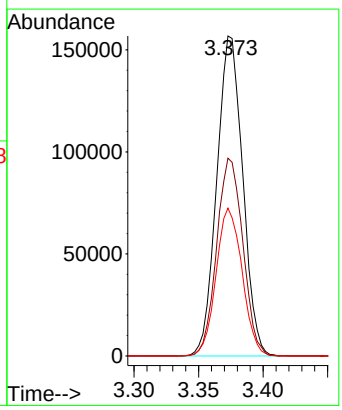
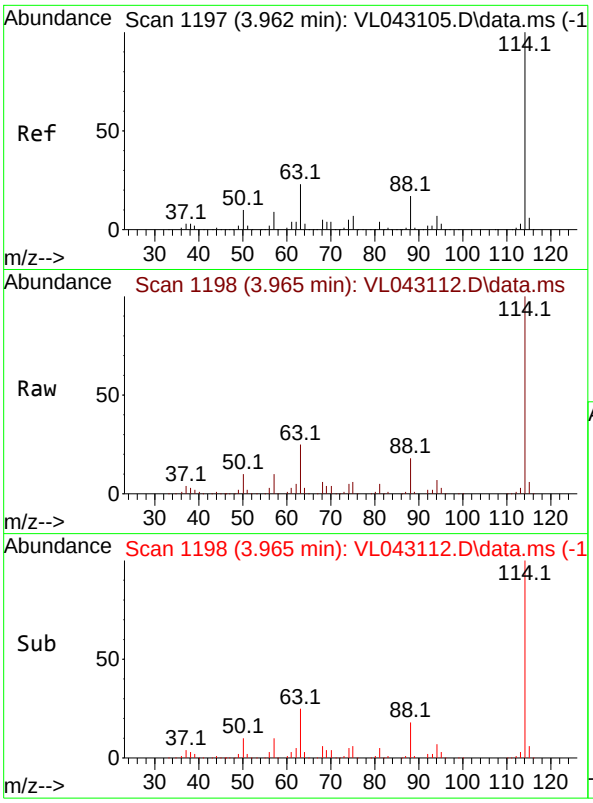


#32
1,1,1-Trichloroethane
Concen: 9.666 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 97 Resp: 219167

Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.3	76.9
61	46.4	38.4	57.6

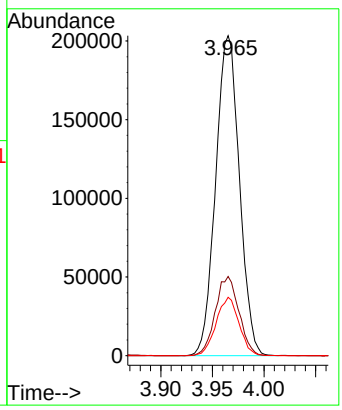




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:114 Resp: 32561

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.3	28.9
88	17.6	13.9	20.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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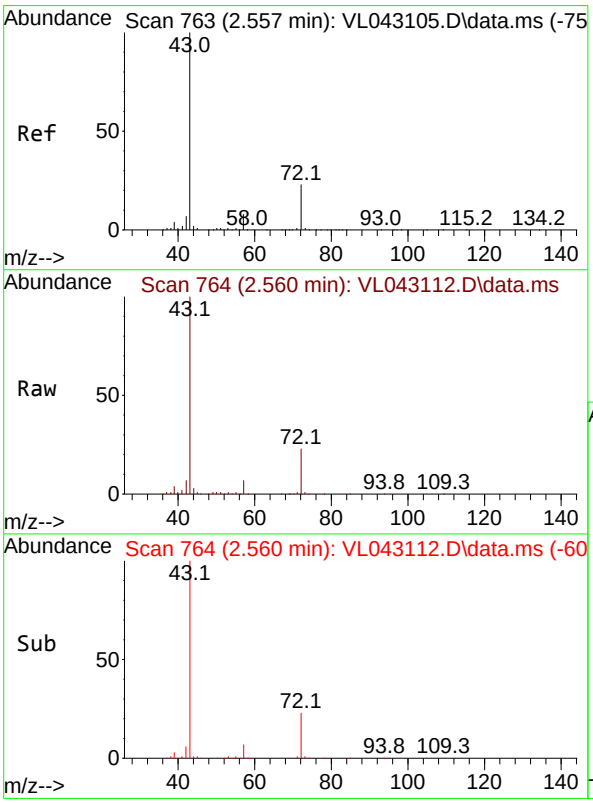
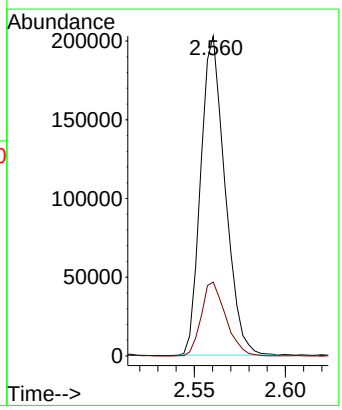
Supervised By :Mahesh Dadoda 10/16/2025

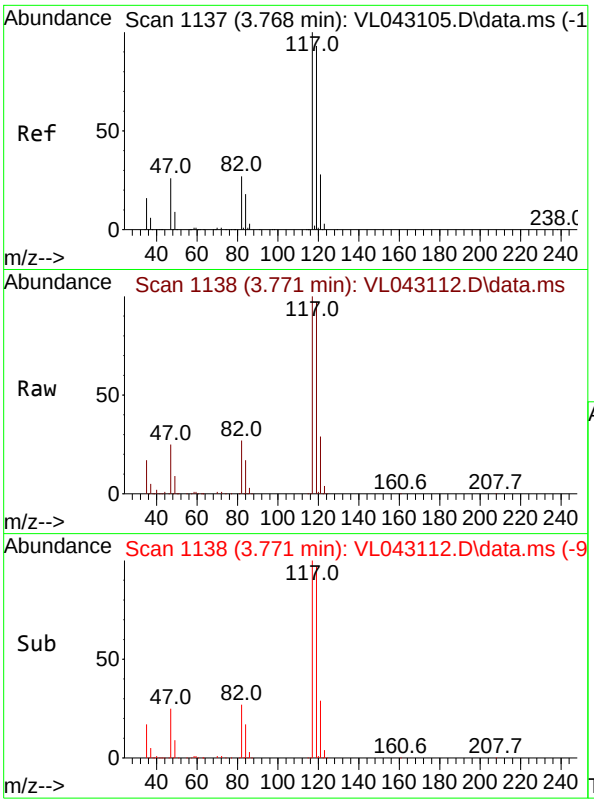


#34
2-Butanone
Concen: 8.624 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 43 Resp: 188755

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.4	27.6

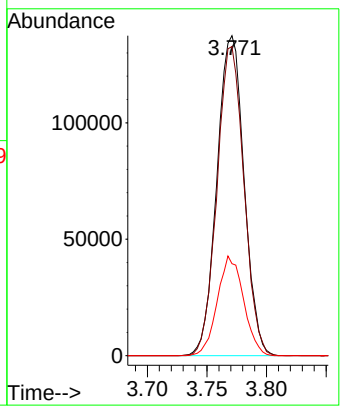




#35
Carbon Tetrachloride
Concen: 9.298 ppbv
RT: 3.771 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:117 Resp: 21767

Ion	Ratio	Lower	Upper
117	100		
119	96.6	74.1	111.1
121	28.7	22.2	33.2



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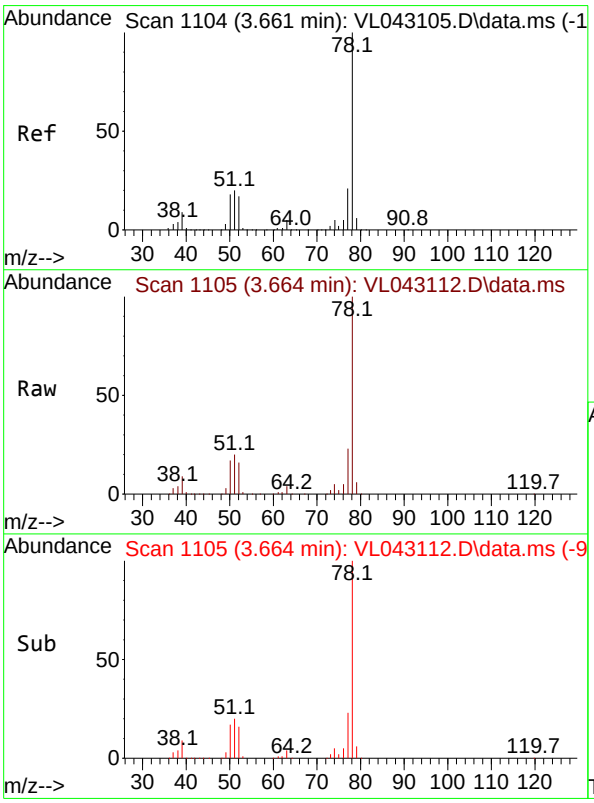
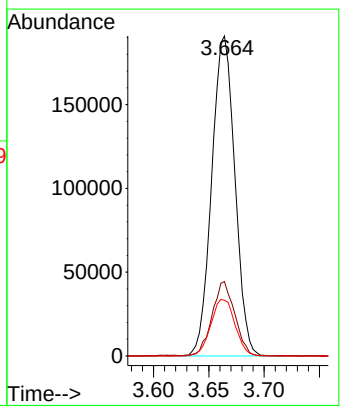
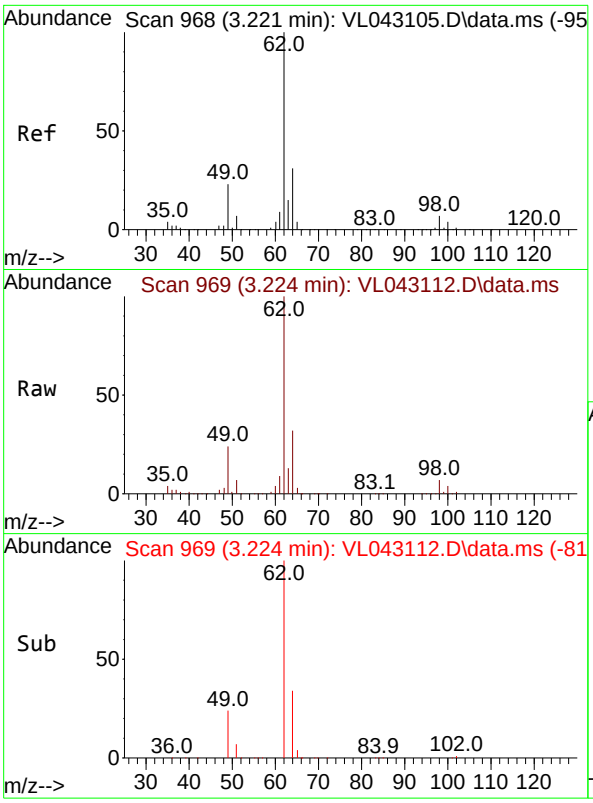


#36
Benzene
Concen: 9.077 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 78 Resp: 278365

Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.0	25.6
50	17.4	14.6	22.0

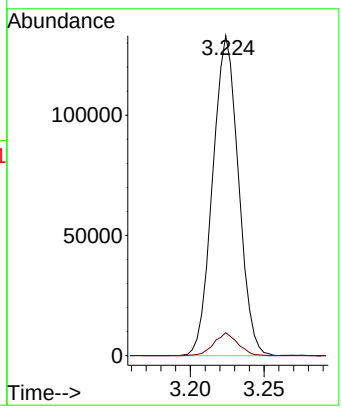




#37
1,2-Dichloroethane
Concen: 9.156 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 62 Resp: 16175

Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.8	8.6



Instrument :
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ClientSampleId :
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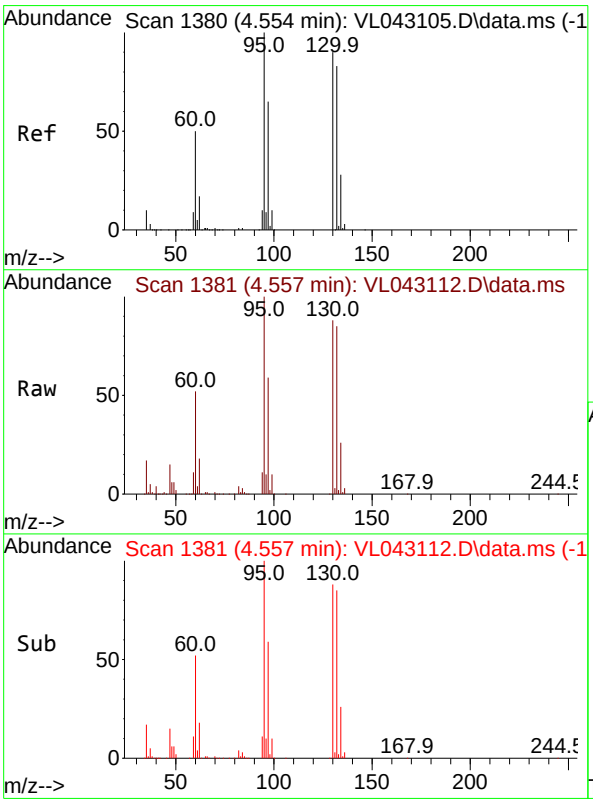
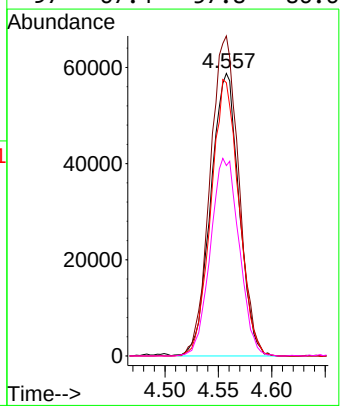
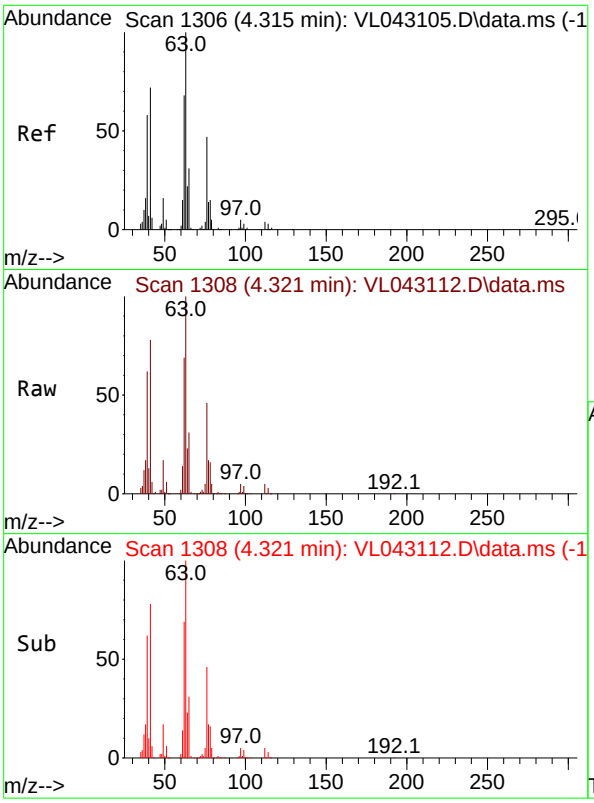


#38
Trichloroethene
Concen: 8.453 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:130 Resp: 108261

Ion	Ratio	Lower	Upper
130	100		
95	113.2	88.6	133.0
132	96.7	73.4	110.0
97	67.4	57.8	86.6

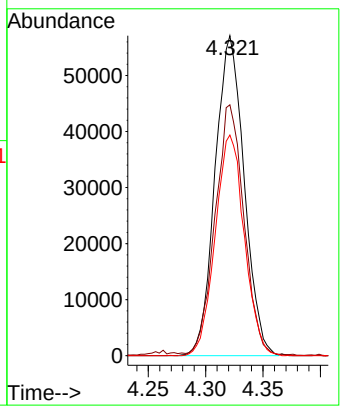




#39
1,2-Dichloropropane
Concen: 8.971 ppbv
RT: 4.321 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 63 Resp: 10058

Ion	Ratio	Lower	Upper
63	100		
41	78.0	58.0	87.0
62	69.0	54.7	82.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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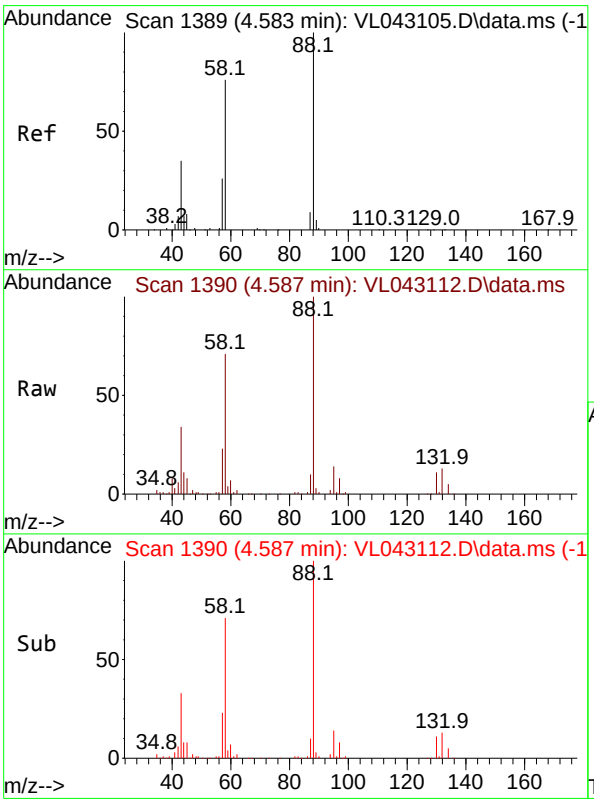
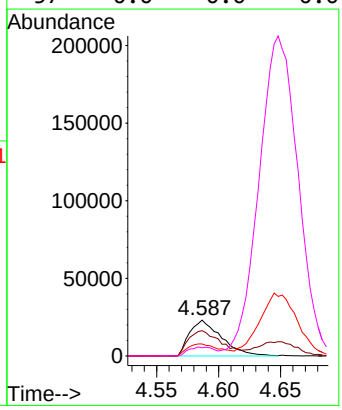
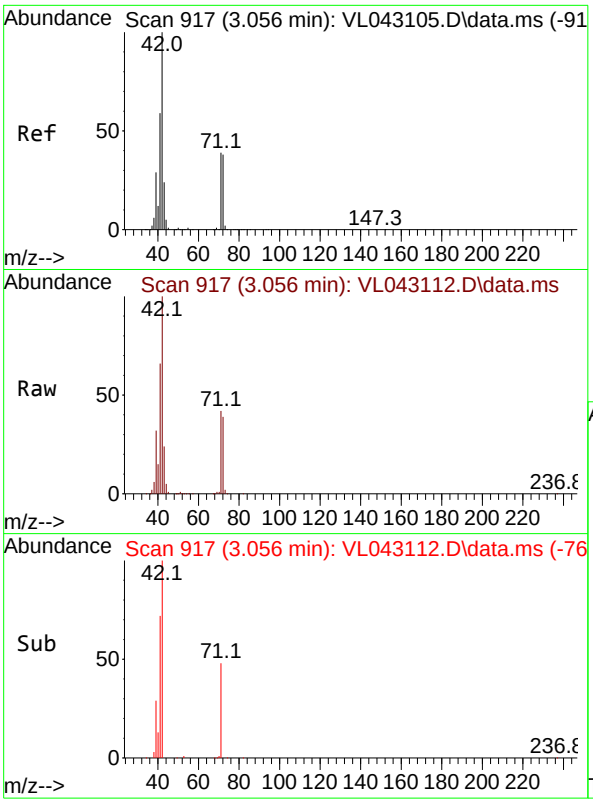


#40
1,4-Dioxane
Concen: 8.265 ppbv
RT: 4.587 min Scan# 1390
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 88 Resp: 41464

Ion	Ratio	Lower	Upper
88	100		
58	74.2	61.1	91.7
43	35.4	24.0	36.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 8.553 ppbv
RT: 3.056 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 42 Resp: 10470

Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.3	46.9
71	38.8	30.4	45.6

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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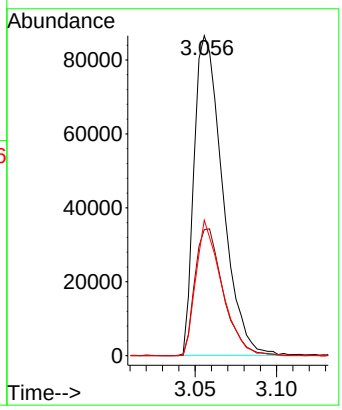
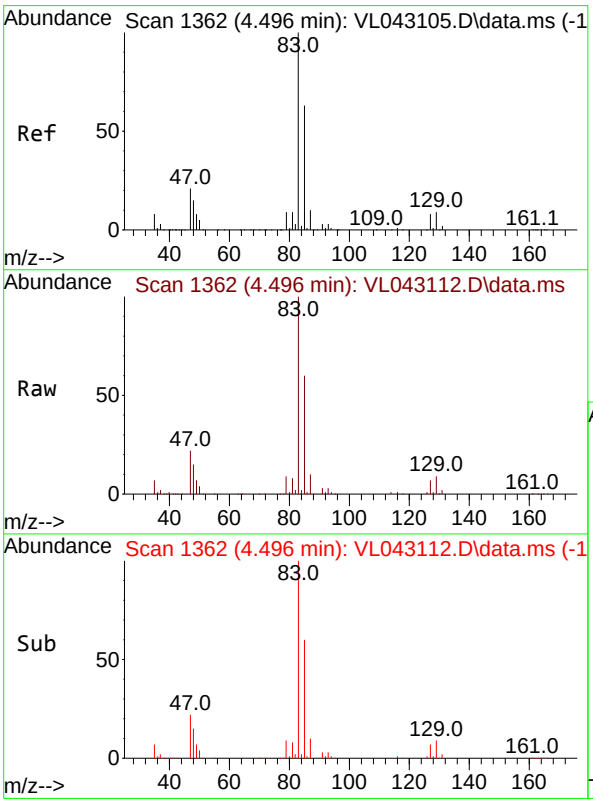
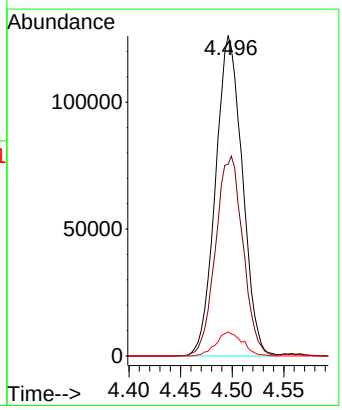


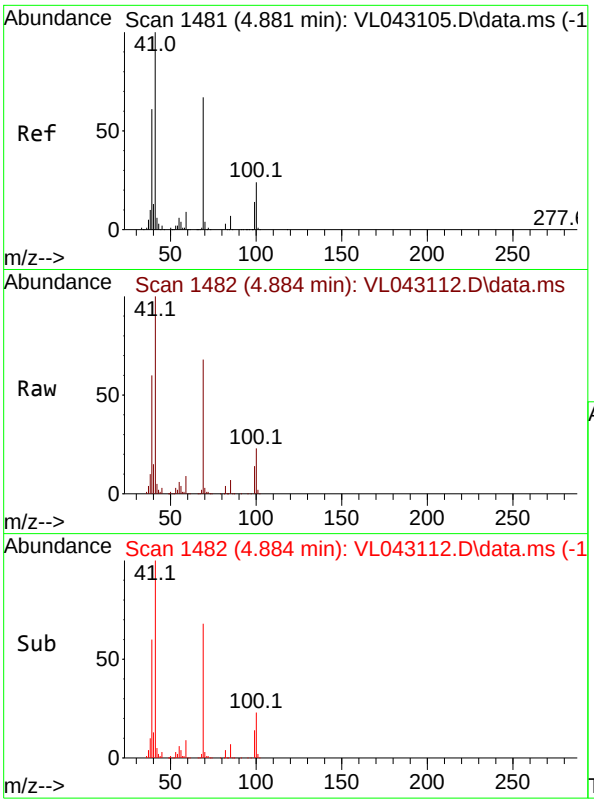


#42
Bromodichloromethane
Concen: 9.336 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 83 Resp: 228288

Ion	Ratio	Lower	Upper
83	100		
85	59.8	50.6	75.8
127	7.5	6.3	9.5

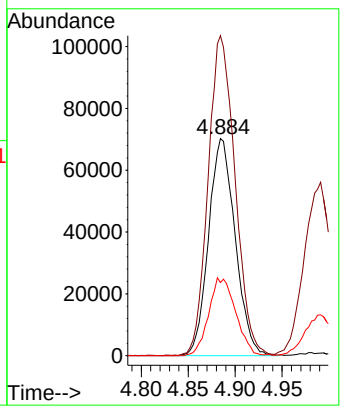




#43
Methyl Methacrylate
Concen: 8.898 ppbv
RT: 4.884 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 69 Resp: 13859

Ion	Ratio	Lower	Upper
69	100		
41	149.1	120.5	180.7
100	36.3	29.0	43.4



Instrument :
MSVOA_L
ClientSampleId :
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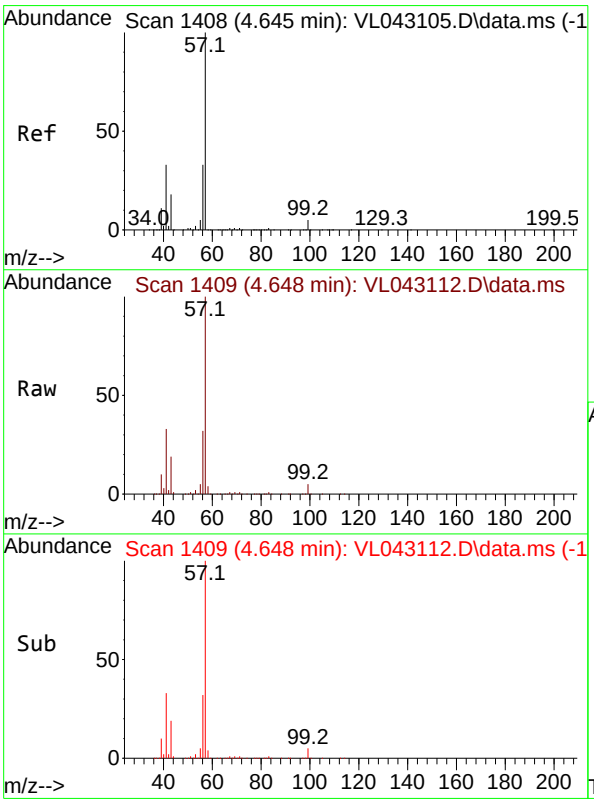
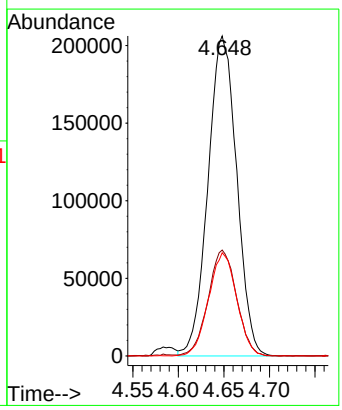
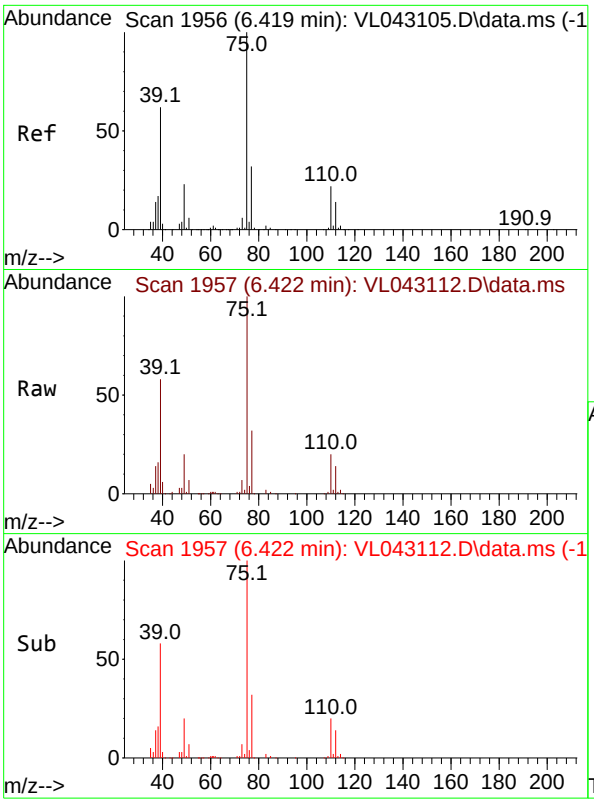


#44
2,2,4-Trimethylpentane
Concen: 8.738 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 57 Resp: 452117

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.3	39.5
56	31.6	25.9	38.9

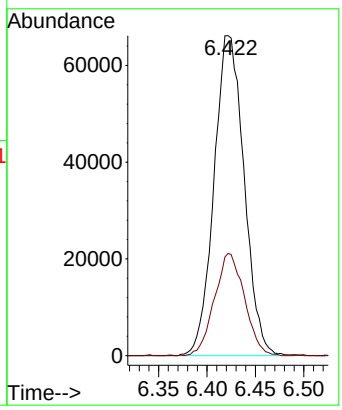




#45
t-1,3-Dichloropropene
Concen: 9.146 ppbv
RT: 6.422 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 75 Resp: 14296

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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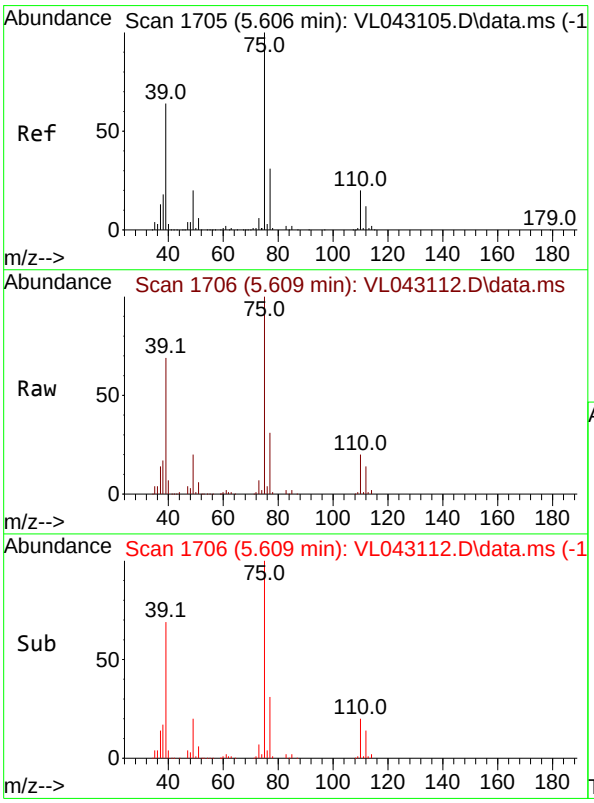
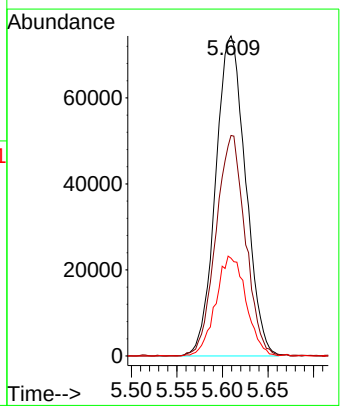
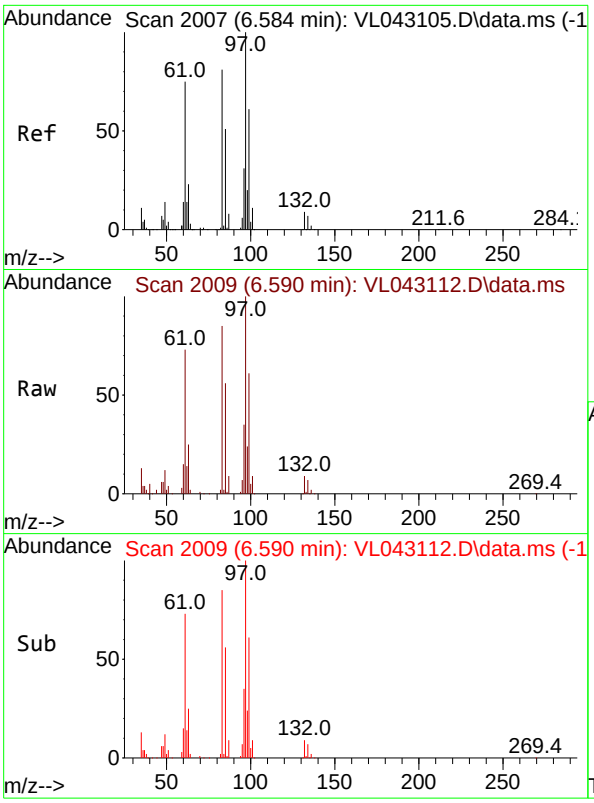


#46
cis-1,3-Dichloropropene
Concen: 9.106 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 75 Resp: 170038

Ion	Ratio	Lower	Upper
75	100		
39	68.8	51.0	76.6
77	30.5	25.0	37.4

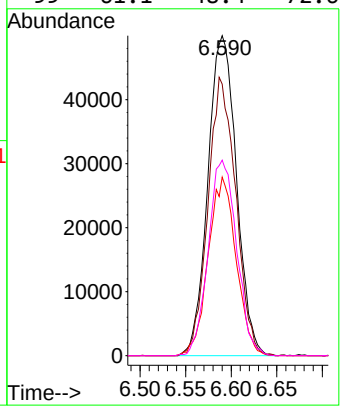




#47
1,1,2-Trichloroethane
Concen: 9.000 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 97 Resp: 10896

Ion	Ratio	Lower	Upper
97	100		
83	84.8	64.6	96.8
85	55.8	40.6	60.8
99	61.1	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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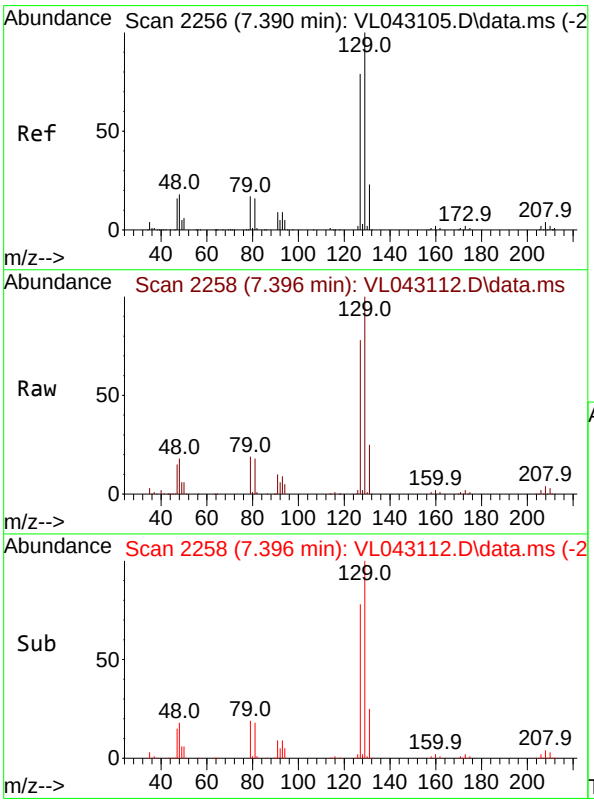
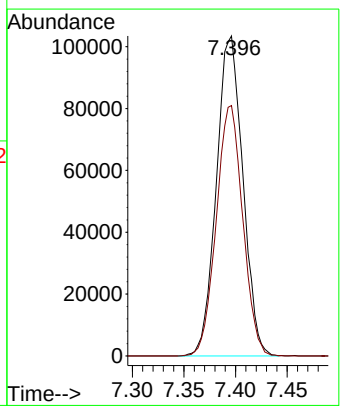
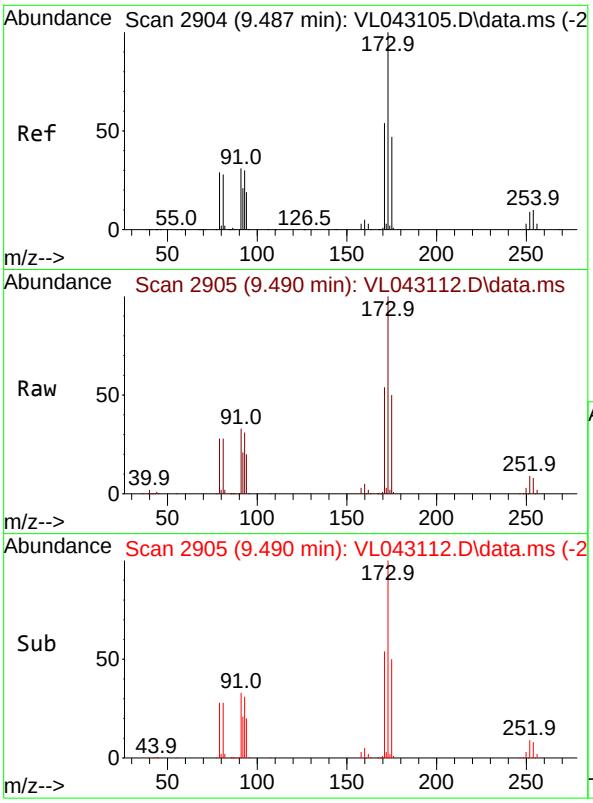


#48
Dibromochloromethane
Concen: 9.127 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:129 Resp: 184757

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.3	117.9

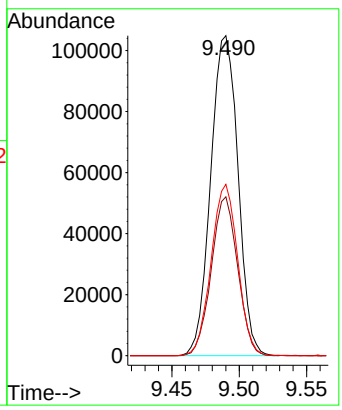




#49
Bromoform
Concen: 8.980 ppbv
RT: 9.490 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:173 Resp: 14775

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.8	58.2
171	52.1	41.7	62.5



Instrument :
MSVOA_L
ClientSampleId :
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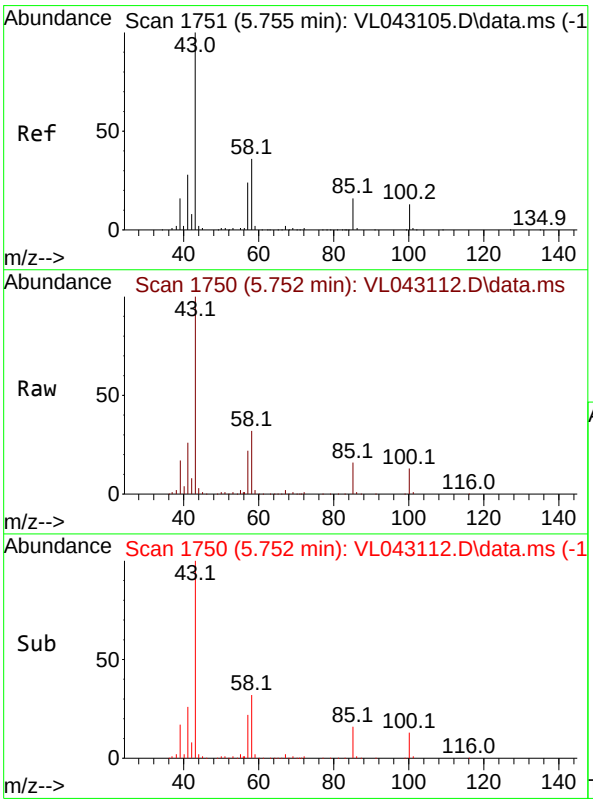
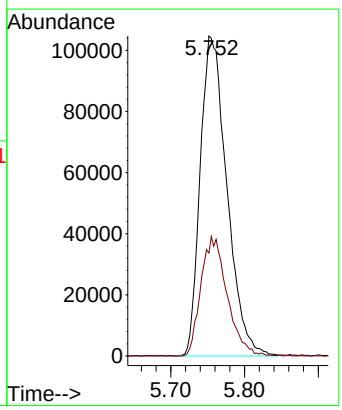
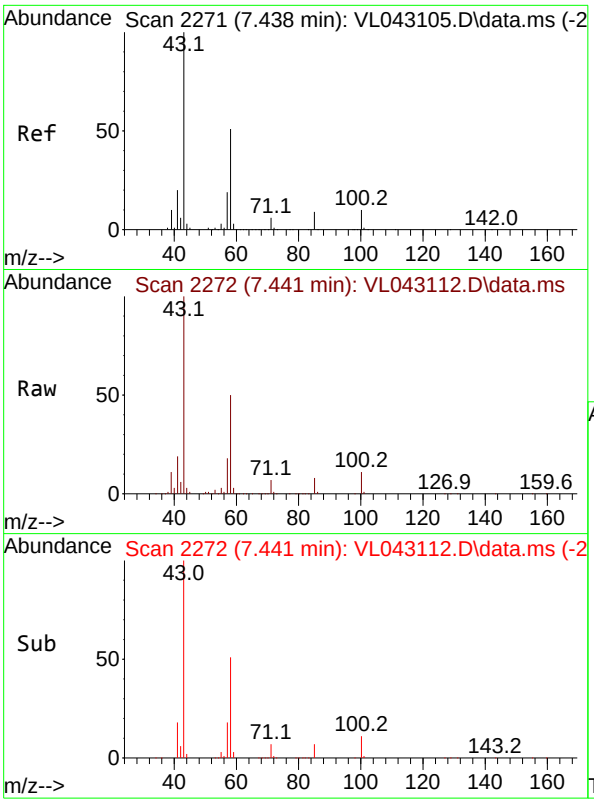


#50
4-Methyl-2-Pentanone
Concen: 8.709 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. -0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 43 Resp: 263070

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.1	43.7

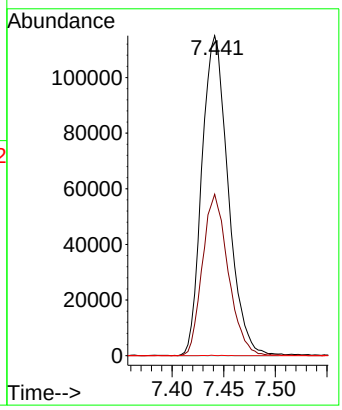




#51
2-Hexanone
Concen: 8.999 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 43 Resp: 20387

Ion	Ratio	Lower	Upper
43	100		
58	49.6	40.4	60.6
98	0.1	0.1	0.1#



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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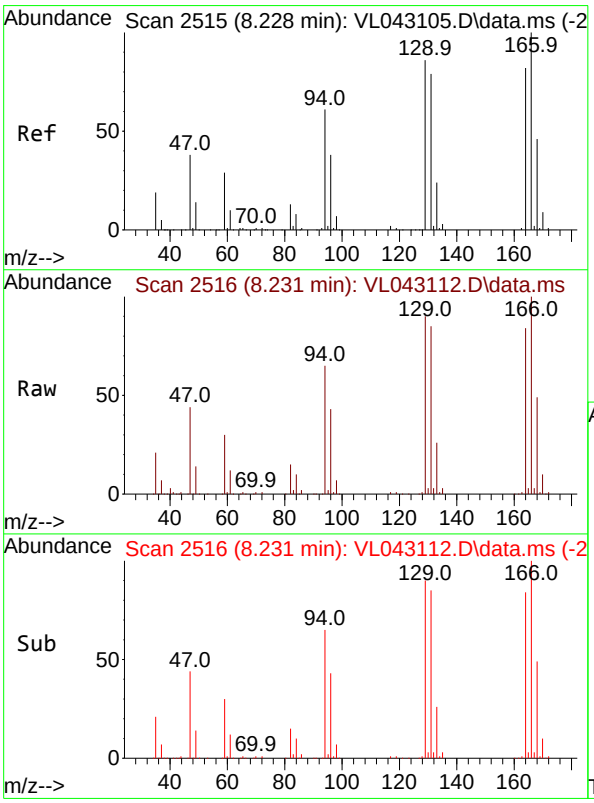
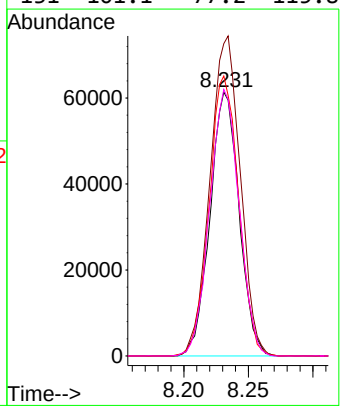
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

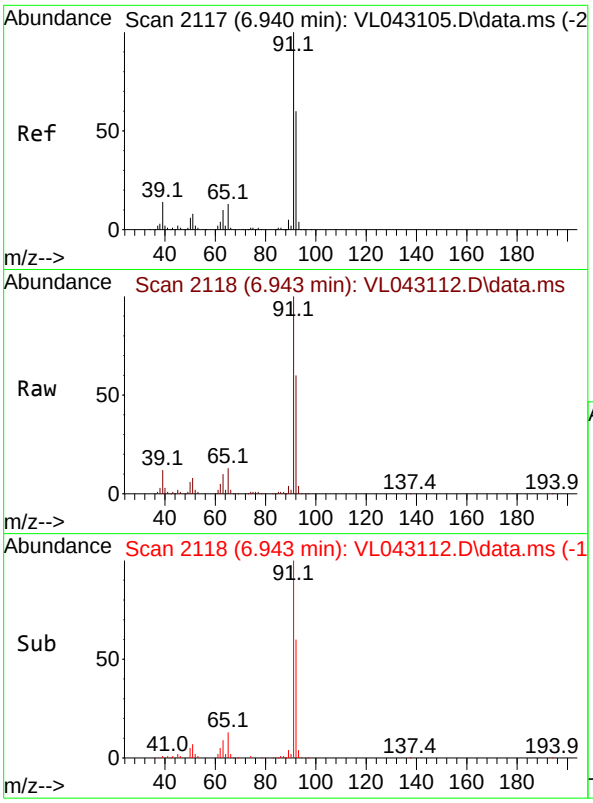


#52
Tetrachloroethene
Concen: 8.681 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:164 Resp: 96000

Ion	Ratio	Lower	Upper
164	100		
166	118.4	97.6	146.4
129	106.2	84.5	126.7
131	101.1	77.2	115.8

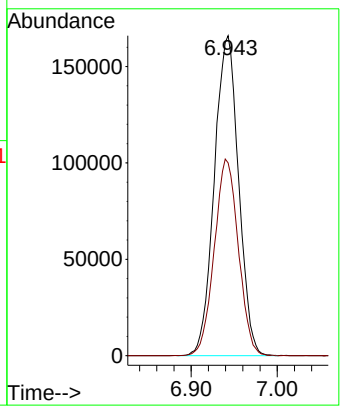




#53
Toluene
Concen: 8.928 ppbv
RT: 6.943 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 32494

Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.8	73.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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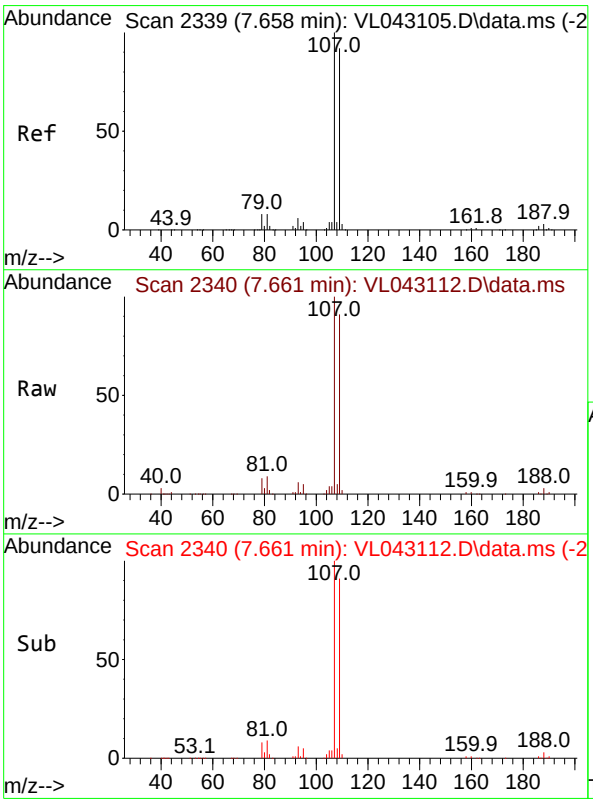
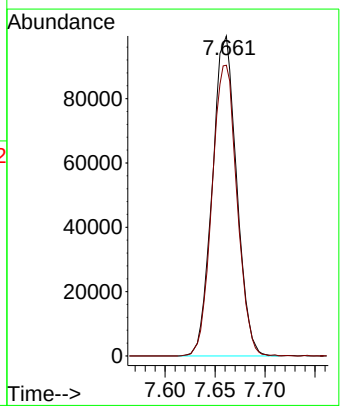
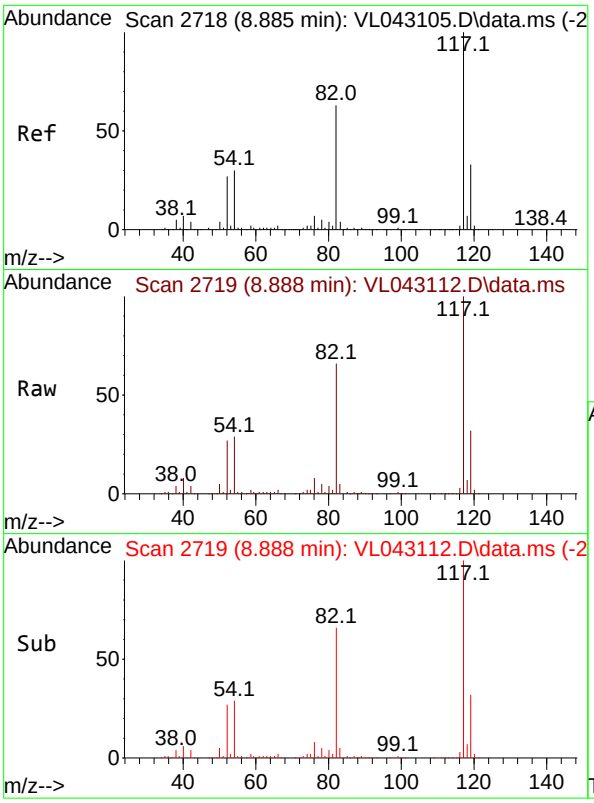


#54
1,2-Dibromoethane
Concen: 8.856 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:107 Resp: 167936

Ion	Ratio	Lower	Upper
107	100		
109	90.9	73.4	110.2

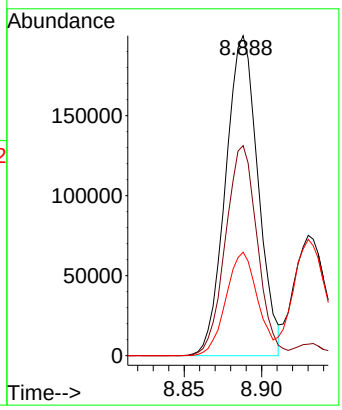




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:117 Resp: 29167

Ion	Ratio	Lower	Upper
117	100		
82	67.8	53.8	80.8
119	31.5	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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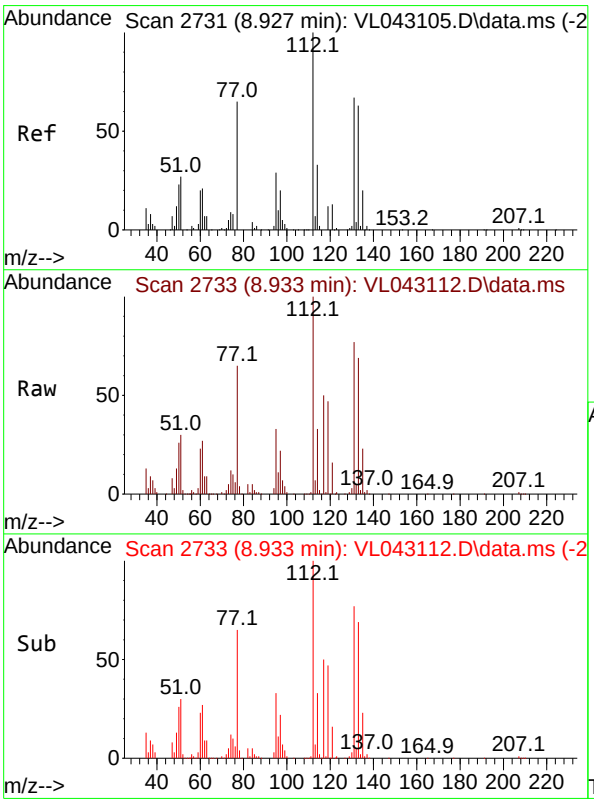
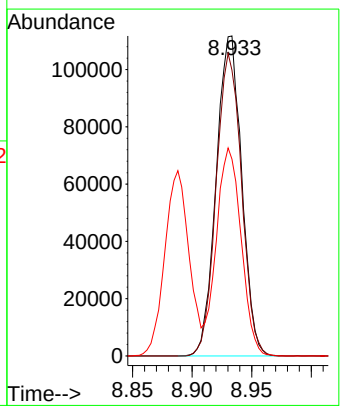
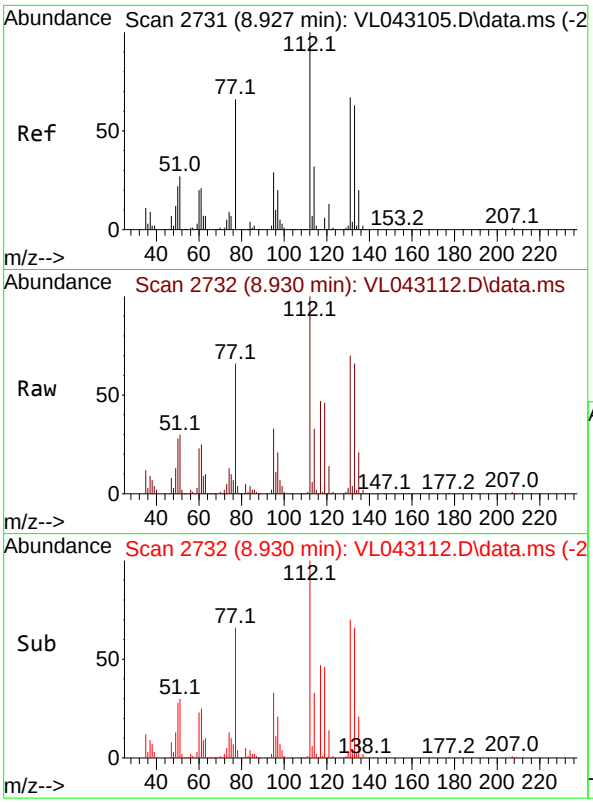


#56
1,1,1,2-Tetrachloroethane
Concen: 9.031 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:131 Resp: 166059

Ion	Ratio	Lower	Upper
131	100		
133	94.2	75.7	113.5
119	60.4	50.6	76.0

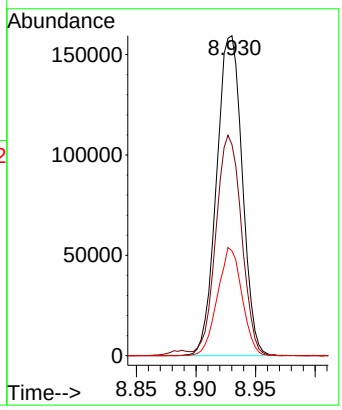




#57
Chlorobenzene
Concen: 8.770 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:112 Resp: 23930

Ion	Ratio	Lower	Upper
112	100		
77	65.9	53.3	79.9
114	32.7	29.3	35.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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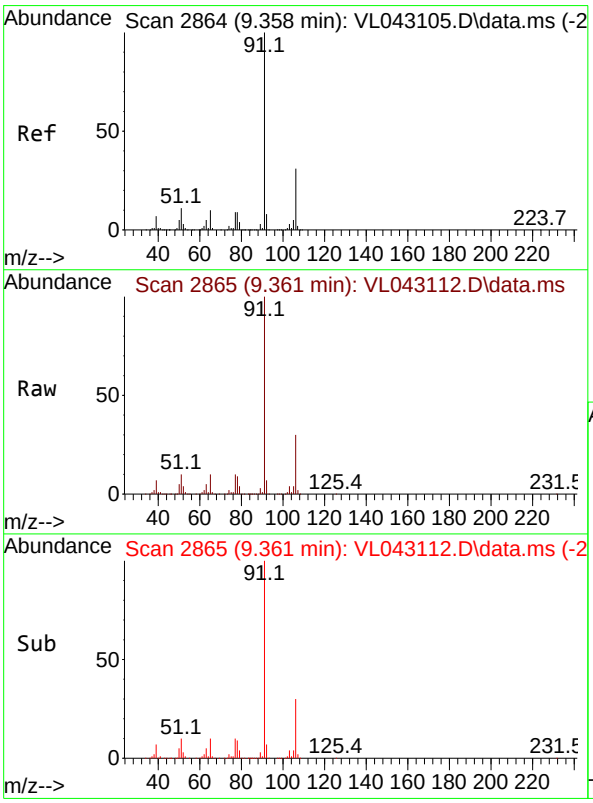
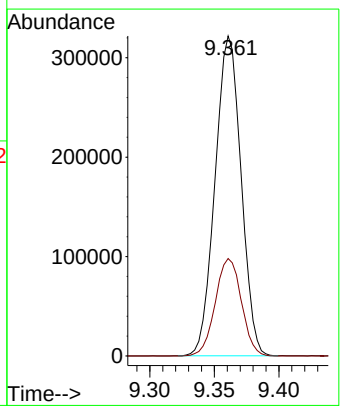
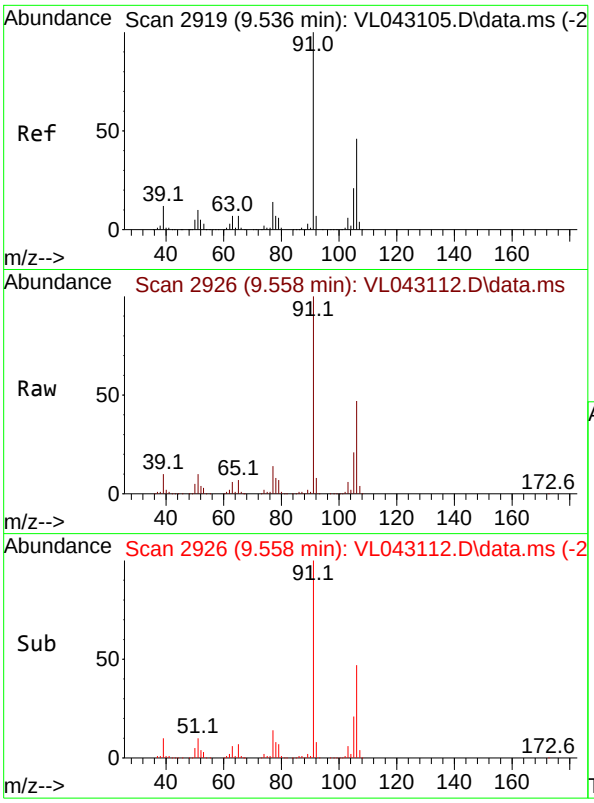


#58
Ethyl Benzene
Concen: 8.990 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 450029

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.8	37.2





#59
m/p-Xylene
Concen: 17.913 ppbv m
RT: 9.558 min Scan# 2
Delta R.T. 0.022 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 71519

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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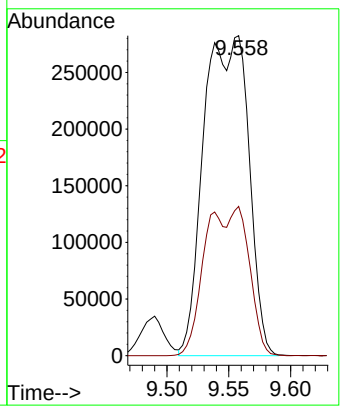
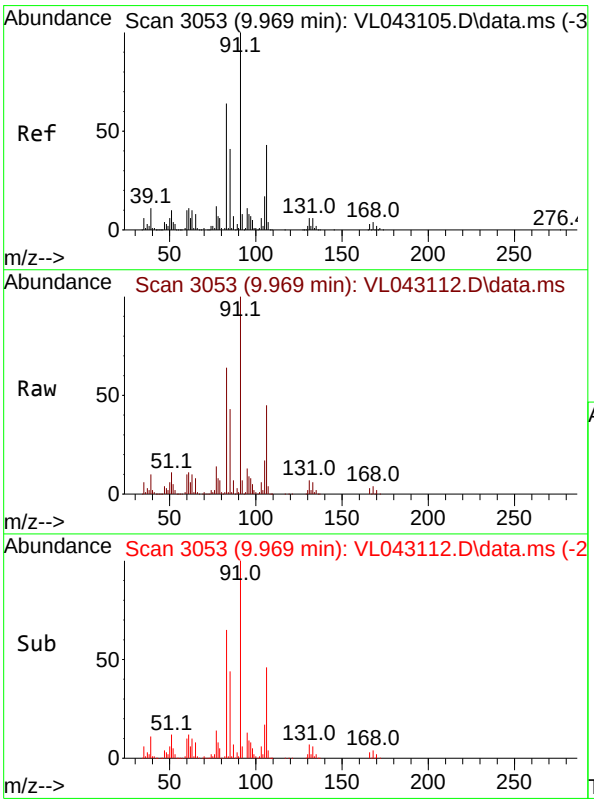
Supervised By :Mahesh Dadoda 10/16/2025

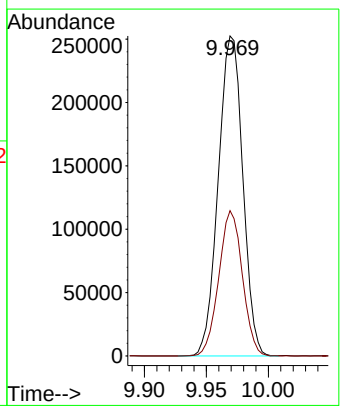


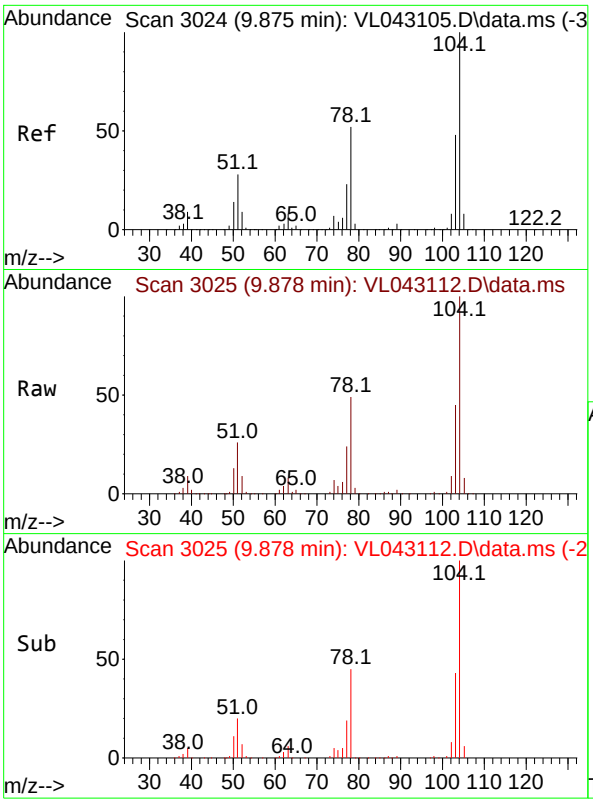


#60
o-Xylene
Concen: 8.834 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 348346

Ion	Ratio	Lower	Upper
91	100		
106	43.7	21.9	65.8

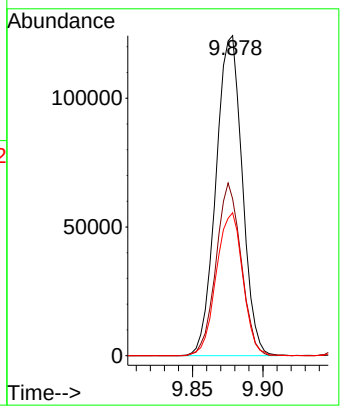




#61
Styrene
Concen: 9.099 ppbv
RT: 9.878 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:104 Resp: 16197

Ion	Ratio	Lower	Upper
104	100		
78	51.4	40.2	60.2
103	45.0	36.9	55.3



Instrument :
MSVOA_L
ClientSampleId :
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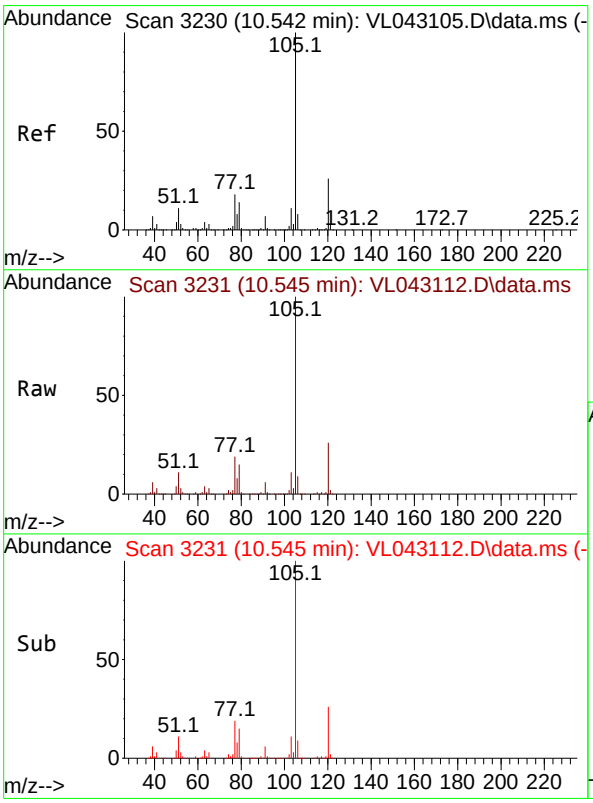
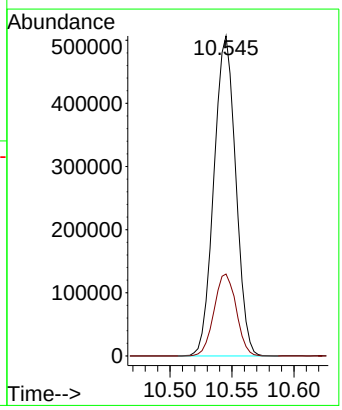
Supervised By :Mahesh Dadoda 10/16/2025

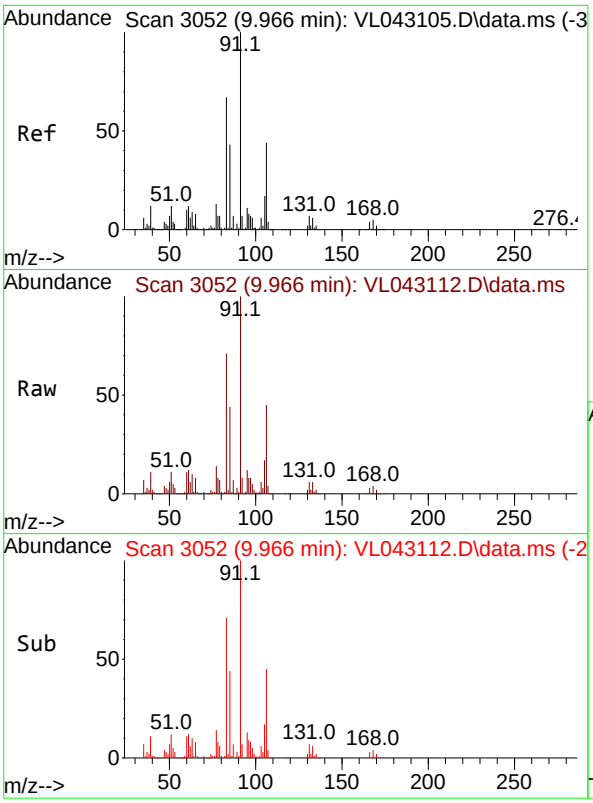


#62
Isopropylbenzene
Concen: 8.726 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:105 Resp: 621758

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.2	30.4

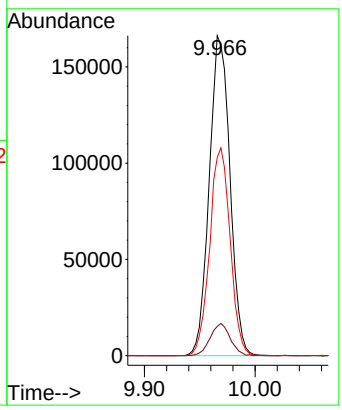




#63
1,1,2,2-Tetrachloroethane
Concen: 8.177 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 83 Resp: 21591

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.1	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
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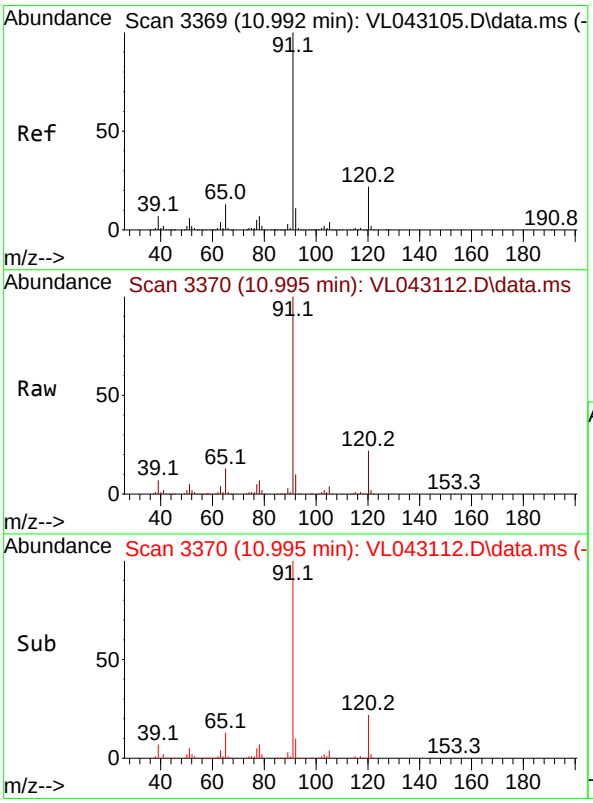
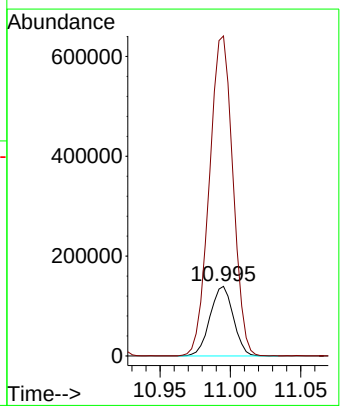
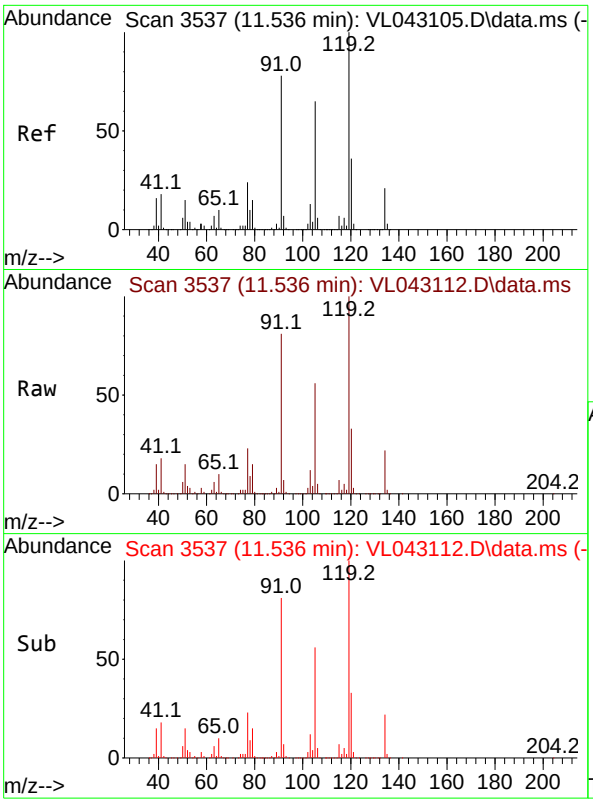


#64
n-propylbenzene
Concen: 8.503 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:120 Resp: 160411

Ion	Ratio	Lower	Upper
120	100		
91	467.8	361.6	542.4

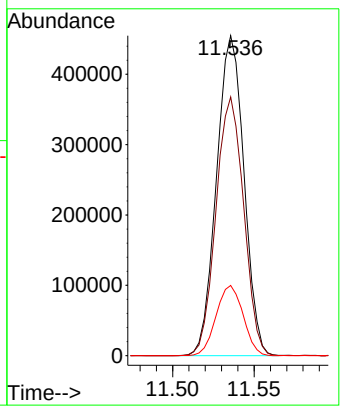




#65
tert-Butylbenzene
Concen: 8.464 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:119 Resp: 53257

Ion	Ratio	Lower	Upper
119	100		
91	81.6	63.4	95.0
134	21.6	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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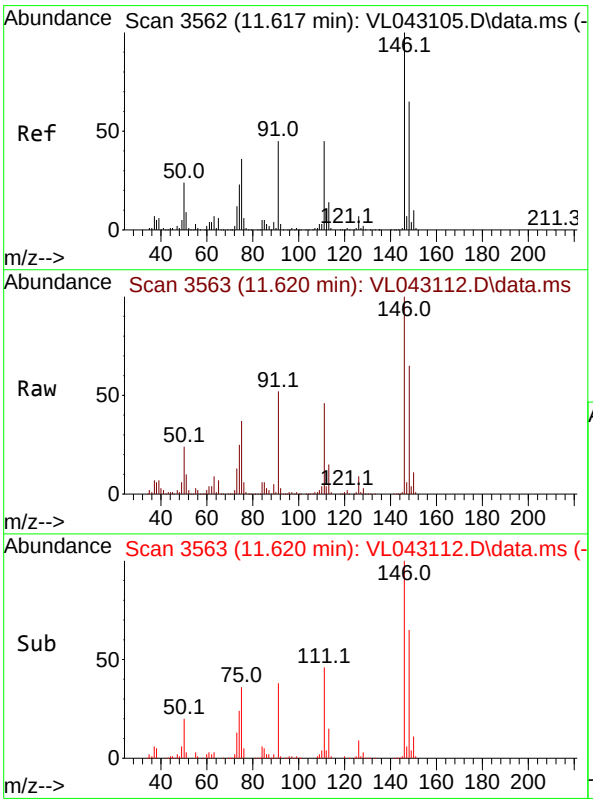
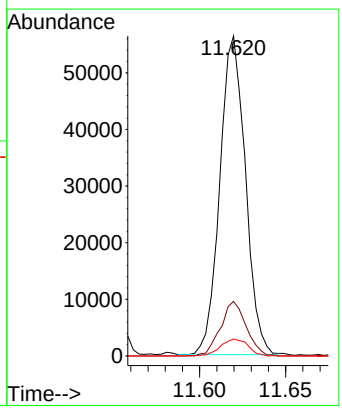
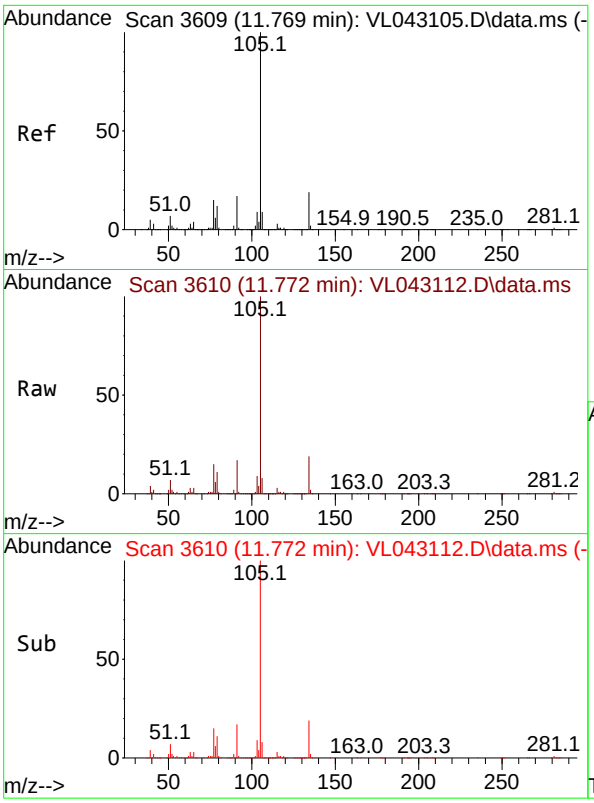


#66
Benzyl Chloride
Concen: 8.306 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 58169

Ion	Ratio	Lower	Upper
91	100		
126	17.2	14.6	22.0
128	5.8	4.6	6.8

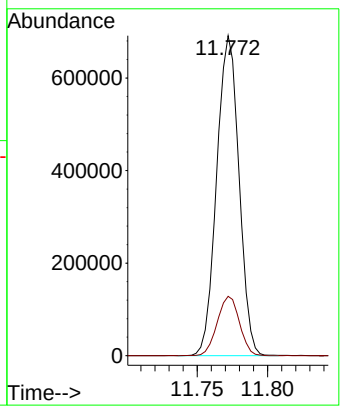




#67
sec-Butylbenzene
Concen: 8.541 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:105 Resp: 76271

Ion	Ratio	Lower	Upper
105	100		
134	18.5	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

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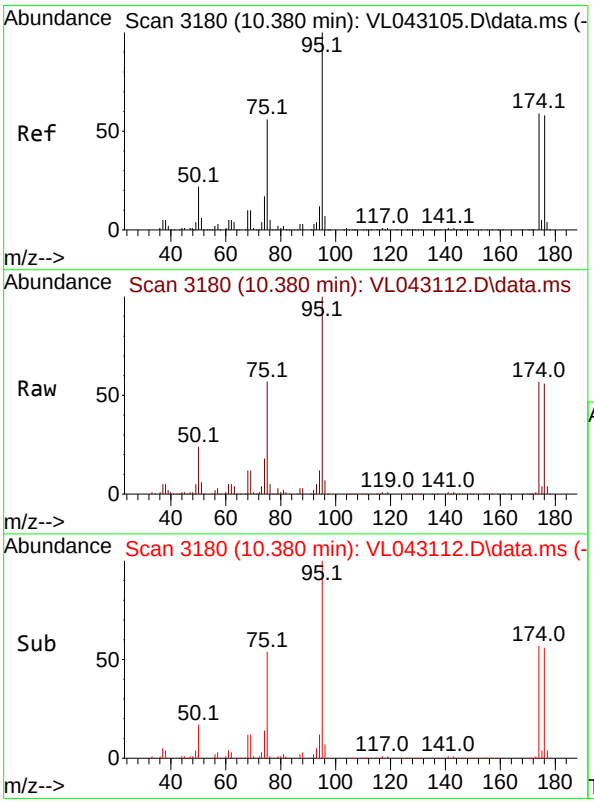
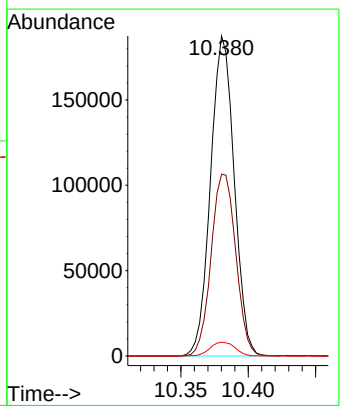
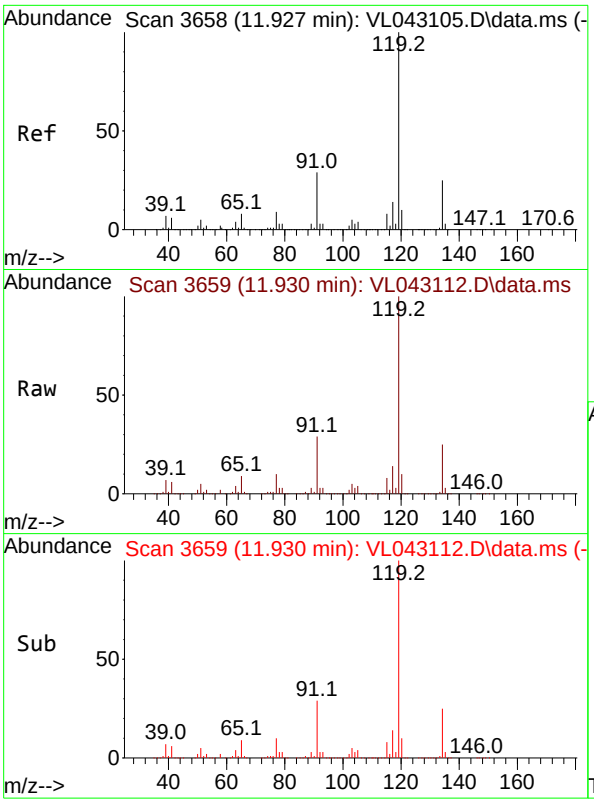


#68
1-Bromo-4-Fluorobenzene
Concen: 10.101 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 95 Resp: 229010

Ion	Ratio	Lower	Upper
95	100		
174	59.2	48.3	72.5
175	4.6	3.8	5.8

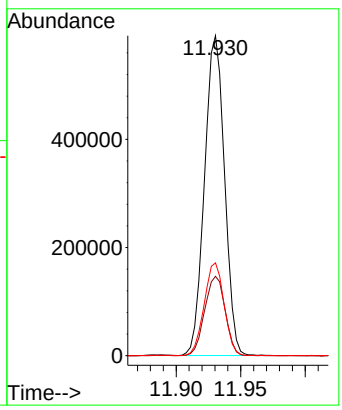




#69
p-Isopropyltoluene
Concen: 8.411 ppbv
RT: 11.930 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:119 Resp: 63826

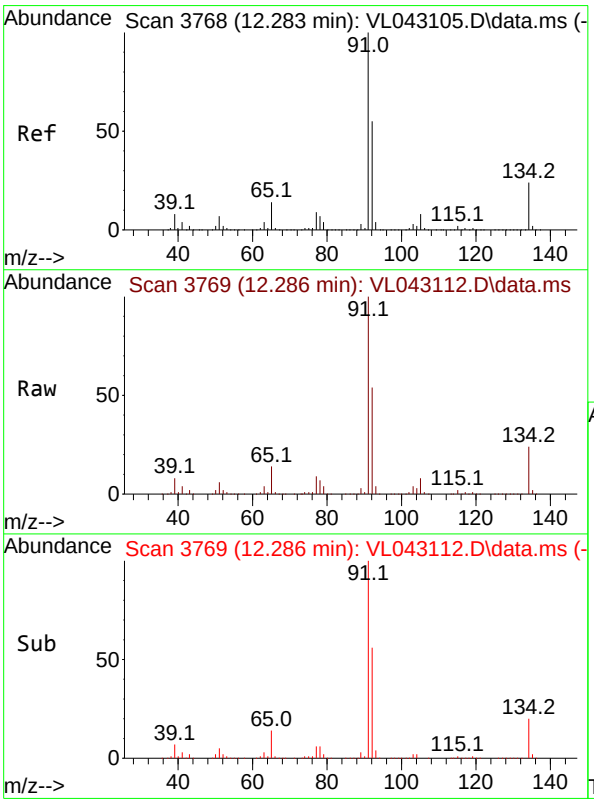
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	29.0	22.6	33.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

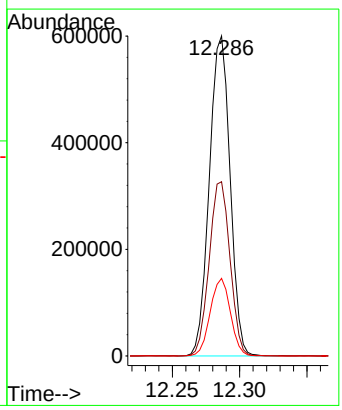
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

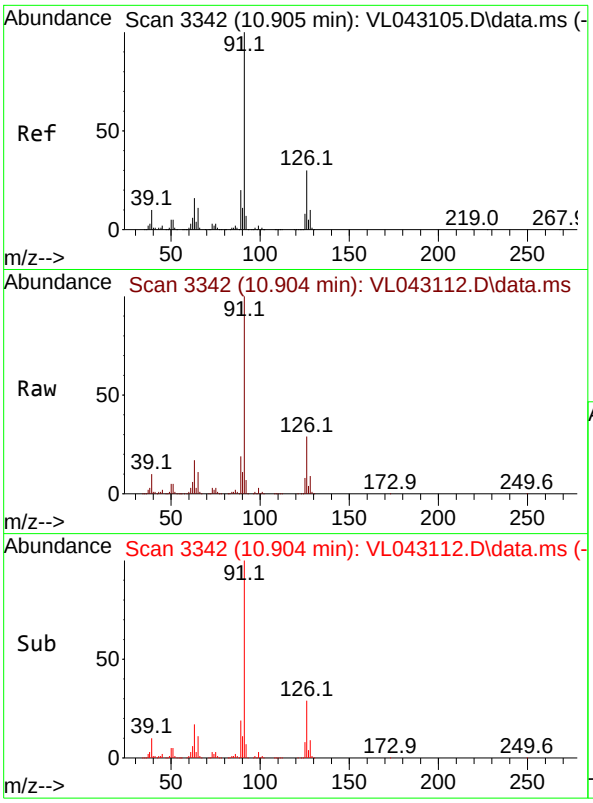


#70
n-Butylbenzene
Concen: 8.579 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 641547

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.5	66.7
134	23.7	19.3	28.9

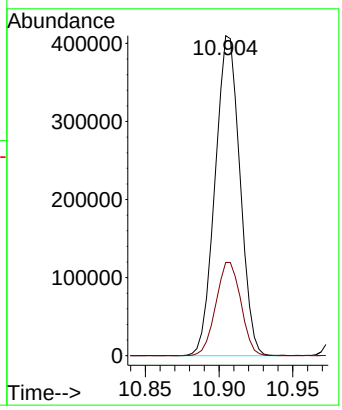




#71
2-Chlorotoluene
Concen: 8.828 ppbv
RT: 10.904 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 47979

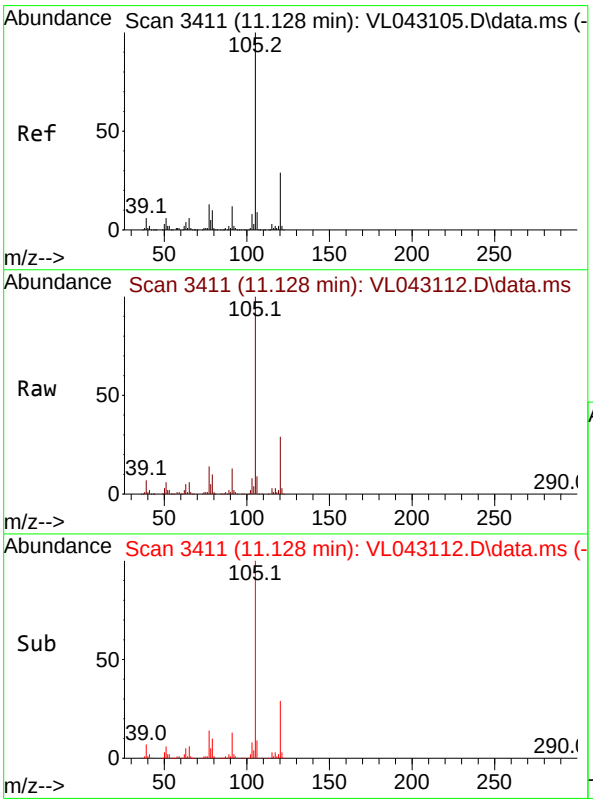
Ion	Ratio	Lower	Upper
91	100		
126	29.3	12.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

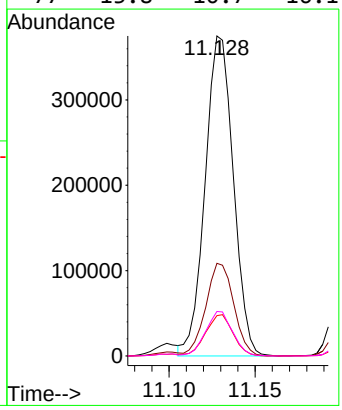
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

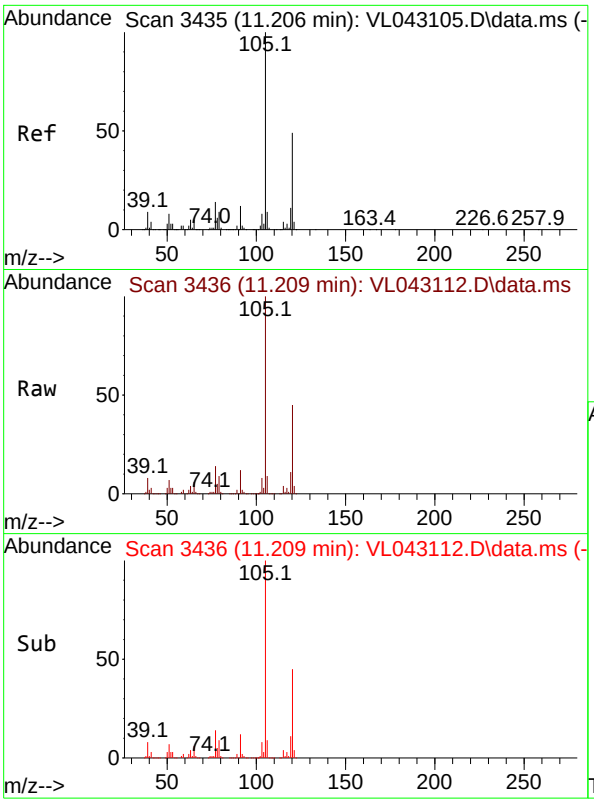


#72
4-Ethyltoluene
Concen: 8.807 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:105 Resp: 427034

Ion	Ratio	Lower	Upper
105	100		
120	29.8	24.2	36.4
91	13.1	10.0	15.0
77	13.8	10.7	16.1

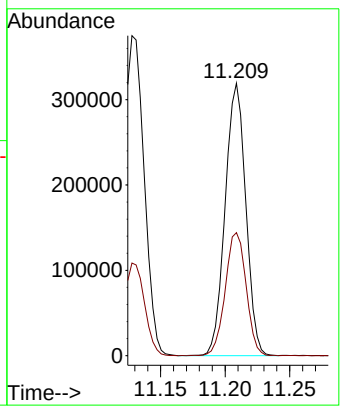




#73
1,3,5-Trimethylbenzene
Concen: 8.874 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:105 Resp: 35487

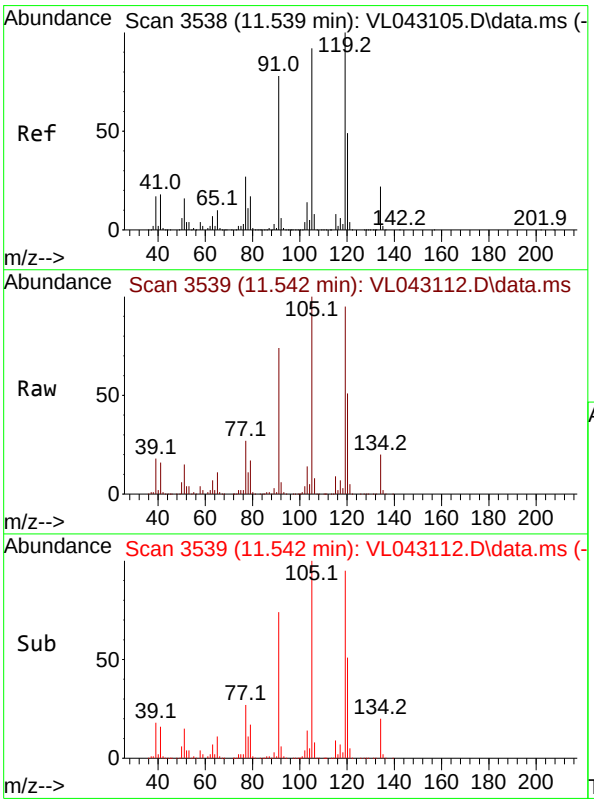
Ion	Ratio	Lower	Upper
105	100		
120	45.2	39.0	58.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

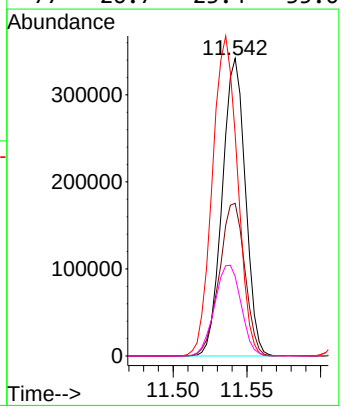
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

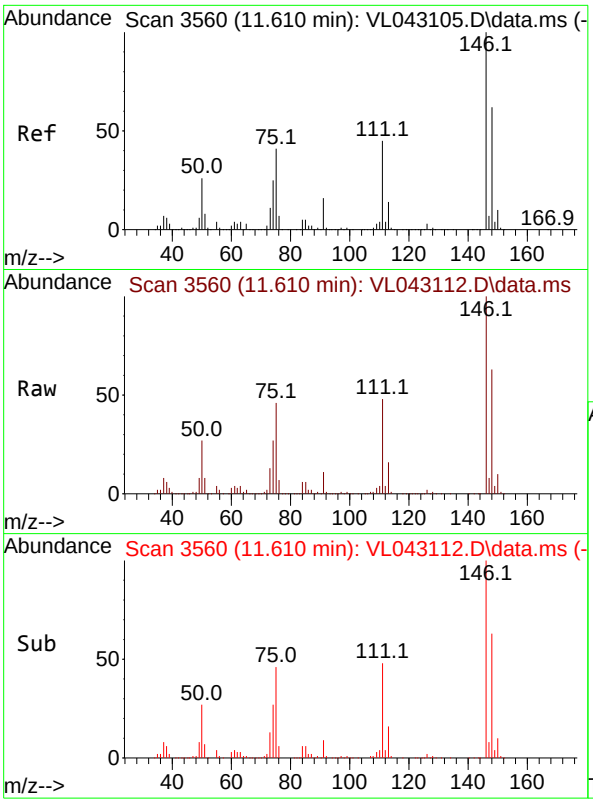


#74
1,2,4-Trimethylbenzene
Concen: 8.324 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:105 Resp: 372506

Ion	Ratio	Lower	Upper
105	100		
120	51.3	42.8	64.2
91	74.4	68.3	102.5
77	26.7	23.4	35.0

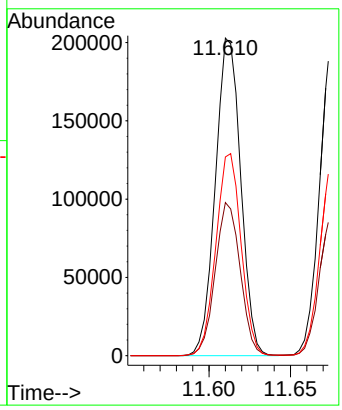




#75
1,3-Dichlorobenzene
Concen: 8.454 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:146 Resp: 21942

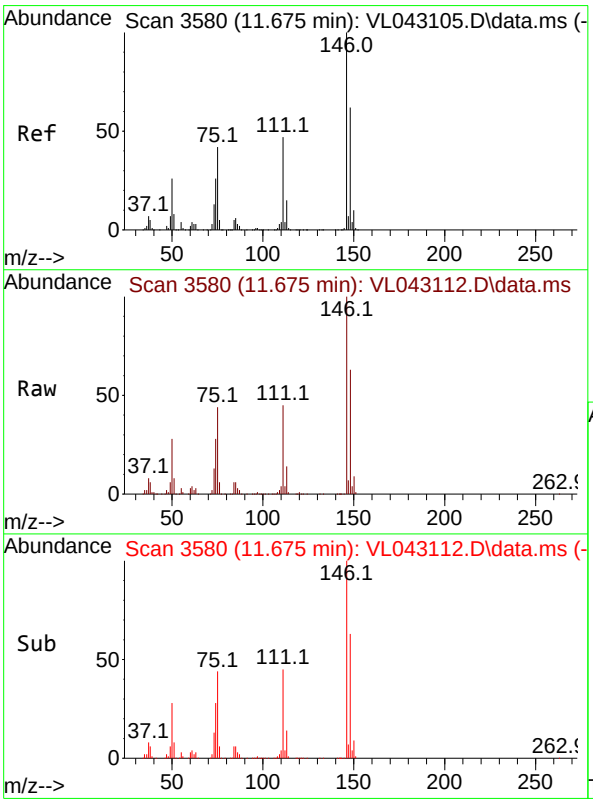
Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.3	69.9
148	63.3	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

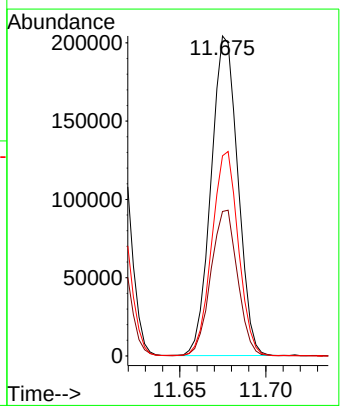
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

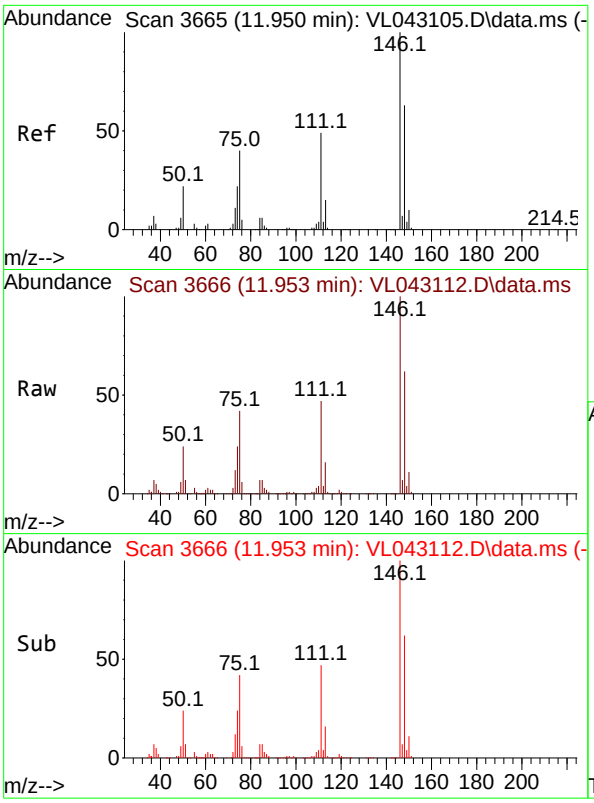


#76
1,4-Dichlorobenzene
Concen: 8.458 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:146 Resp: 221364

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.4	67.0
148	63.6	31.6	94.7

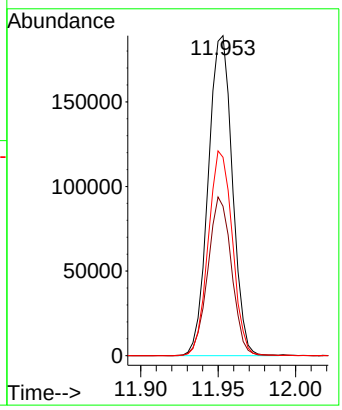




#77
1,2-Dichlorobenzene
Concen: 8.132 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:146 Resp: 20417

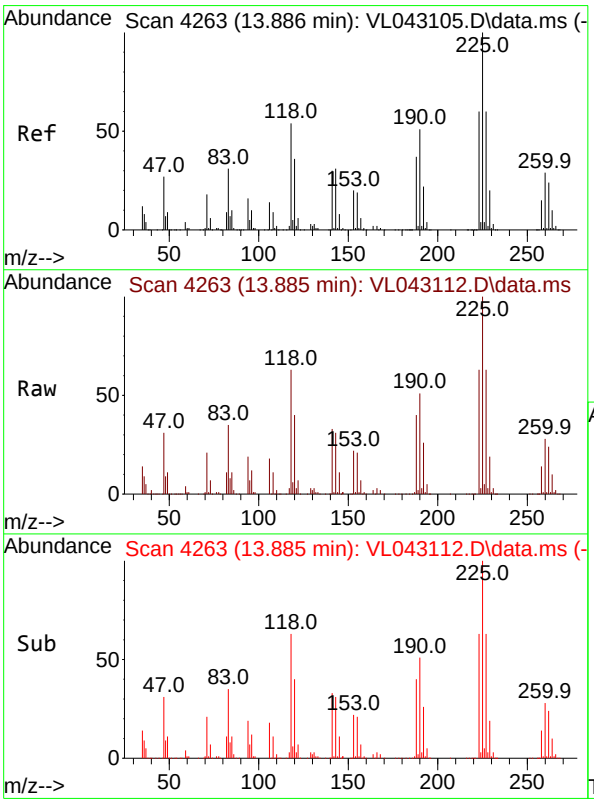
Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.0	72.0
148	64.1	31.1	93.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

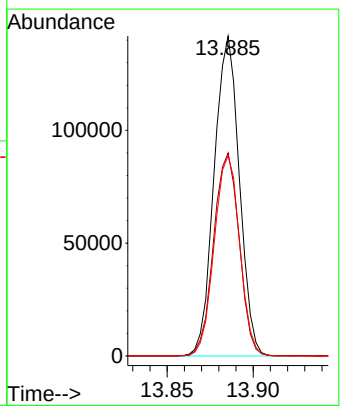
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

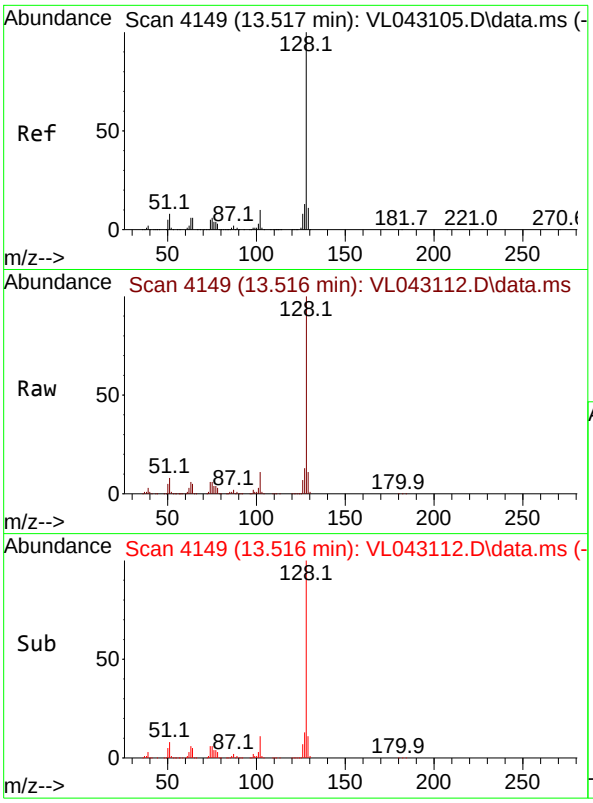


#78
Hexachloro-1,3-Butadiene
Concen: 7.440 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:225 Resp: 144646

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.4
227	62.9	49.6	74.4

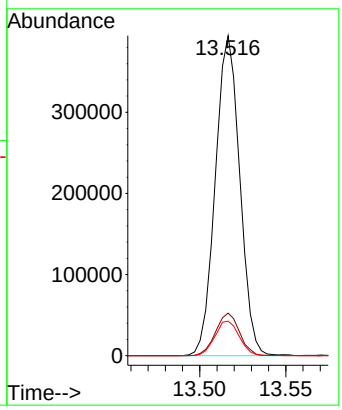




#79
Naphthalene
Concen: 8.334 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:128 Resp: 38981

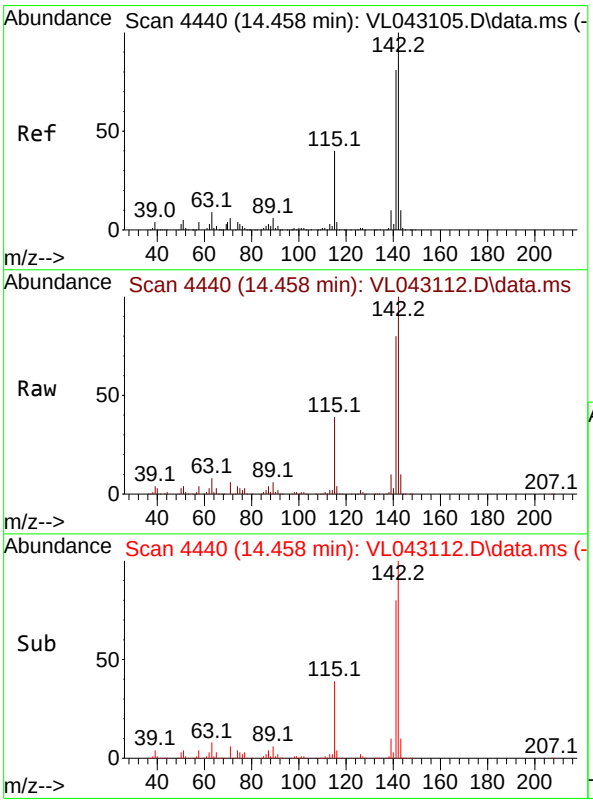
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.8	9.1	13.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

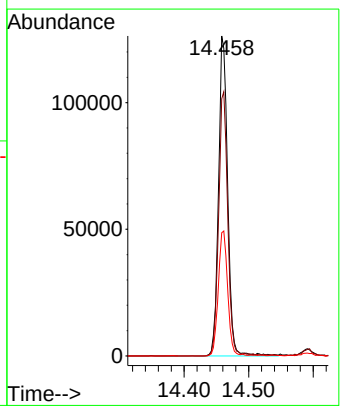
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

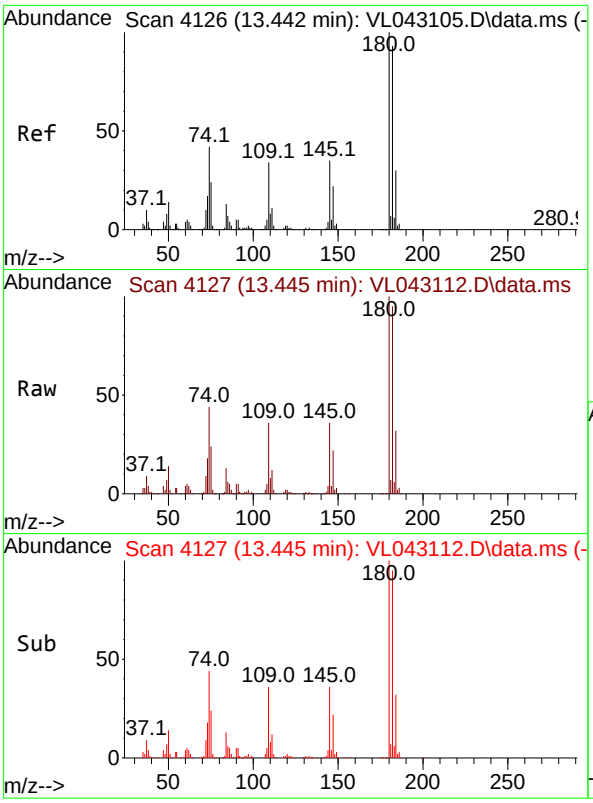


#80
Naphthalene,2-methyl-
Concen: 10.146 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:142 Resp: 123632

Ion	Ratio	Lower	Upper
142	100		
141	83.1	64.6	97.0
115	40.3	30.2	45.4

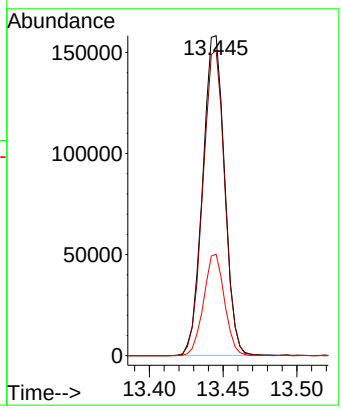




#81
1,2,4-Trichlorobenzene
Concen: 8.373 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:180 Resp: 16255

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.5	113.3
184	30.4	23.9	35.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Manual Integrations
APPROVED

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

Evaluate Continuing Calibration Report

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

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

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

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

Evaluate Continuing Calibration Report

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

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.505	0.454	10.1	89	0.00
50	T	4-Methyl-2-Pentanone	0.928	0.808	12.9	88	0.00
51	T	2-Hexanone	0.696	0.626	10.1	86	0.00
52	T	Tetrachloroethene	0.340	0.295	13.2	90	0.00
53	T	Toluene	1.118	0.998	10.7	92	0.00
54	T	1,2-Dibromoethane	0.582	0.516	11.3	92	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
56		1,1,1,2-Tetrachloroethane	0.630	0.569	9.7	91	0.00
57	T	Chlorobenzene	0.936	0.820	12.4	91	0.00
58	T	Ethyl Benzene	1.716	1.543	10.1	91	0.00
59	T	m/p-Xylene	1.369	1.226	10.4	93	0.02
60	T	o-Xylene	1.352	1.194	11.7	92	0.00
61	T	Styrene	0.610	0.555	9.0	91	0.00
62		Isopropylbenzene	2.443	2.132	12.7	90	0.00
63	T	1,1,2,2-Tetrachloroethane	0.905	0.740	18.2	90	0.00
64		n-propylbenzene	0.647	0.550	15.0	88	0.00
65		tert-Butylbenzene	2.157	1.826	15.3	91	0.00
66	T	Benzyl Chloride	0.240	0.199	17.1	78	0.00
67		sec-Butylbenzene	3.062	2.615	14.6	91	0.00
68	S	1-Bromo-4-Fluorobenzene	0.777	0.785	-1.0	95	0.00
69		p-Isopropyltoluene	2.602	2.188	15.9	89	0.00
70		n-Butylbenzene	2.564	2.200	14.2	89	0.00
71		2-Chlorotoluene	1.863	1.645	11.7	91	0.00
72	T	4-Ethyltoluene	1.662	1.464	11.9	90	0.00
73	T	1,3,5-Trimethylbenzene	1.371	1.217	11.2	91	0.00
74	T	1,2,4-Trimethylbenzene	1.534	1.277	16.8	90	0.00
75	T	1,3-Dichlorobenzene	0.890	0.752	15.5	87	0.00
76	T	1,4-Dichlorobenzene	0.897	0.759	15.4	87	0.00
77	T	1,2-Dichlorobenzene	0.861	0.700	18.7	86	0.00
78	T	Hexachloro-1,3-Butadiene	0.667	0.496	25.6	84	0.00
79	T	Naphthalene	1.604	1.336	16.7	80	0.00
80	T	Naphthalene,2-methyl-	0.418	0.424	-1.4	84	0.00
81	T	1,2,4-Trichlorobenzene	0.666	0.557	16.4	82	0.00

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

Evaluate Continuing Calibration Report

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

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

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

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

Evaluate Continuing Calibration Report

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

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	8.980	10.2	89	0.00
50	T	4-Methyl-2-Pentanone	10.000	8.709	12.9	88	0.00
51	T	2-Hexanone	10.000	8.999	10.0	86	0.00
52	T	Tetrachloroethene	10.000	8.681	13.2	90	0.00
53	T	Toluene	10.000	8.928	10.7	92	0.00
54	T	1,2-Dibromoethane	10.000	8.856	11.4	92	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	94	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.031	9.7	91	0.00
57	T	Chlorobenzene	10.000	8.770	12.3	91	0.00
58	T	Ethyl Benzene	10.000	8.990	10.1	91	0.00
59	T	m/p-Xylene	20.000	17.913	10.4	93	0.02
60	T	o-Xylene	10.000	8.834	11.7	92	0.00
61	T	Styrene	10.000	9.099	9.0	91	0.00
62		Isopropylbenzene	10.000	8.726	12.7	90	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	8.177	18.2	90	0.00
64		n-propylbenzene	10.000	8.503	15.0	88	0.00
65		tert-Butylbenzene	10.000	8.464	15.4	91	0.00
66	T	Benzyl Chloride	10.000	8.306	16.9	78	0.00
67		sec-Butylbenzene	10.000	8.541	14.6	91	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.101	-1.0	95	0.00
69		p-Isopropyltoluene	10.000	8.411	15.9	89	0.00
70		n-Butylbenzene	10.000	8.579	14.2	89	0.00
71		2-Chlorotoluene	10.000	8.828	11.7	91	0.00
72	T	4-Ethyltoluene	10.000	8.807	11.9	90	0.00
73	T	1,3,5-Trimethylbenzene	10.000	8.874	11.3	91	0.00
74	T	1,2,4-Trimethylbenzene	10.000	8.324	16.8	90	0.00
75	T	1,3-Dichlorobenzene	10.000	8.454	15.5	87	0.00
76	T	1,4-Dichlorobenzene	10.000	8.458	15.4	87	0.00
77	T	1,2-Dichlorobenzene	10.000	8.132	18.7	86	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	7.440	25.6	84	0.00
79	T	Naphthalene	10.000	8.334	16.7	80	0.00
80	T	Naphthalene,2-methyl-	10.000	10.146	-1.5	84	0.00
81	T	1,2,4-Trichlorobenzene	10.000	8.373	16.3	82	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: RTPE01

Lab Code: ACE SDG No.: Q3557

Instrument ID: MSVOA_L Calibration Date/Time: 11/06/2025 07:19

Lab File ID: VL043155.D Init. Calib. Date(s): 10/14/2025 10/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 14:18

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.422	1.540		8.3	30
Chloromethane	0.563	0.511		-9.24	30
Vinyl Chloride	0.552	0.514		-6.88	30
Bromomethane	0.303	0.317		4.62	30
Chloroethane	0.226	0.206		-8.85	30
Tetrahydrofuran	0.376	0.348		-7.45	30
Trichlorofluoromethane	1.391	1.658		19.19	30
1,1,2-Trichlorotrifluoroethane	1.120	1.290		15.18	30
Dichlorotetrafluoroethane	1.149	1.236		7.57	30
tert-Butyl alcohol	1.850	1.830		-1.08	30
Heptane	1.964	1.685		-14.21	30
1,1-Dichloroethene	0.488	0.538		10.25	30
Acetone	1.348	1.223		-9.27	30
Carbon Disulfide	1.411	1.508		6.88	30
Methyl tert-Butyl Ether	0.701	0.712		1.57	30
Methylene Chloride	0.533	0.467		-12.38	30
trans-1,2-Dichloroethene	0.583	0.623		6.86	30
1,1-Dichloroethane	1.127	1.188		5.41	30
Cyclohexane	1.344	1.256		-6.55	30
2-Butanone	0.672	0.688		2.38	30
Carbon Tetrachloride	0.719	0.852		18.5	30
cis-1,2-Dichloroethene	1.471	1.509		2.58	30
Chloroform	2.232	2.437		9.19	30
1,1,1-Trichloroethane	2.324	2.520		8.43	30
2,2,4-Trimethylpentane	1.589	1.566		-1.45	30
Benzene	0.942	0.956		1.49	30
1,2-Dichloroethane	0.543	0.624		14.92	30
Trichloroethene	0.393	0.379		-3.56	30
1,2-Dichloropropane	0.344	0.343		-0.29	30
Bromodichloromethane	0.751	0.853		13.58	30
4-Methyl-2-Pentanone	0.928	0.866		-6.68	30
Toluene	1.118	1.096		-1.97	30
t-1,3-Dichloropropene	0.480	0.492		2.5	30
cis-1,3-Dichloropropene	0.573	0.578		0.87	30
1,1,2-Trichloroethane	0.372	0.382		2.69	30
Dibromochloromethane	0.622	0.699		12.38	30
1,2-Dibromoethane	0.582	0.602		3.44	30
Tetrachloroethene	0.340	0.353		3.82	30

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: RTPE01

Lab Code: ACE SDG No.: Q3557

Instrument ID: MSVOA_L Calibration Date/Time: 11/06/2025 07:19

Lab File ID: VL043155.D Init. Calib. Date(s): 10/14/2025 10/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 14:18

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

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	0.936	0.957		2.24	30
Ethyl Benzene	1.716	1.761		2.62	30
m/p-Xylene	1.369	1.442		5.33	30
o-Xylene	1.352	1.428		5.62	30
Styrene	0.610	0.601		-1.48	30
Bromoform	0.505	0.603		19.41	30
1,1,2,2-Tetrachloroethane	0.905	0.913		0.88	30
2-Chlorotoluene	1.863	1.949		4.62	30
1,3,5-Trimethylbenzene	1.371	1.463		6.71	30
1,2,4-Trimethylbenzene	1.534	1.599		4.24	30
1,3-Dichlorobenzene	0.890	0.974		9.44	30
1,4-Dichlorobenzene	0.897	0.976		8.81	30
1,2-Dichlorobenzene	0.861	0.919		6.74	30
1,2,4-Trichlorobenzene	0.666	0.715		7.36	30
Hexachloro-1,3-Butadiene	0.667	0.694		4.05	30
1,3-Butadiene	0.642	0.564		-12.15	30
Naphthalene	1.604	1.622		1.12	30
4-Ethyltoluene	1.662	1.778		6.98	30
1-Bromo-4-Fluorobenzene	0.777	0.822		5.79	30
Hexane	1.540	1.464		-4.93	30
Allyl Chloride	0.993	0.925		-6.85	30
1,4-Dioxane	154.080	147.512		-4.26	30
Methyl Methacrylate	0.478	0.460		-3.77	30

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043155.D
Acq On : 06 Nov 2025 07:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:16:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	111679	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	341877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	299829	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	246332	10.570	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	171973	10.832	ppbv	97
3) Chlorodifluoromethane	1.479	51	173652	10.109	ppbv	96
4) Chloromethane	1.534	50	57078	9.075	ppbv	97
5) Vinyl Chloride	1.583	62	57398	9.304	ppbv	98
6) Bromomethane	1.670	94	35458	10.482	ppbv	99
7) Chloroethane	1.706	64	23010	9.123	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	137989	10.753	ppbv	91
9) Propene	1.486	41	63768	8.370	ppbv	99
10) Heptane	4.985	43	188172	8.579	ppbv	97
11) Trichlorofluoromethane	1.881	101	185190	11.925	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	144020	11.519	ppbv	99
13) Ethanol	1.722	45	20822	7.389	ppbv	98
14) Bromoethene	1.784	108	49929	10.750	ppbv	99
15) Acetone	1.835	43	136553	9.072	ppbv	100
16) 1,3-Butadiene	1.612	39	63019	8.785	ppbv	99
17) tert-Butyl alcohol	2.043	59	204329	9.889	ppbv	100
18) 1,1-Dichloroethene	2.036	96	60122	11.030	ppbv	93
19) Isopropyl Alcohol	1.887	45	81900	8.736	ppbv	93
20) Methylene Chloride	2.065	84	52206	8.774	ppbv	96
21) Allyl Chloride	2.098	41	103255	9.309	ppbv	92
22) trans-1,2-Dichloroethene	2.344	96	69627	10.686	ppbv	96
23) Vinyl Acetate	2.463	43	236500	10.726	ppbv	98
24) 1,1-Dichloroethane	2.412	63	132624	10.535	ppbv	99
25) Ethyl Acetate	2.836	43	352821	9.452	ppbv	99
26) Hexane	2.829	57	163545	9.508	ppbv	97
27) Carbon Disulfide	2.153	76	168378	10.684	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	79492	10.158	ppbv	94
29) Chloroform	2.852	83	272134	10.919	ppbv	100
30) Cyclohexane	3.862	84	140232	9.341	ppbv	93
31) cis-1,2-Dichloroethene	2.725	61	168571	10.263	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	281440	10.844	ppbv	99
34) 2-Butanone	2.557	43	235359	10.242	ppbv	98
35) Carbon Tetrachloride	3.768	117	291148	11.845	ppbv	99
36) Benzene	3.661	78	326769	10.148	ppbv	96
37) 1,2-Dichloroethane	3.221	62	213185	11.493	ppbv	98
38) Trichloroethene	4.554	130	129566	9.635	ppbv	94
39) 1,2-Dichloropropane	4.318	63	117127	9.950	ppbv	95
40) 1,4-Dioxane	4.580	88	50431	9.574	ppbv #	96
41) Tetrahydrofuran	3.056	42	119118	9.267	ppbv	97
42) Bromodichloromethane	4.496	83	291618	11.359	ppbv	100
43) Methyl Methacrylate	4.884	69	157399	9.624	ppbv	97
44) 2,2,4-Trimethylpentane	4.648	57	535251	9.853	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	168113	10.243	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043155.D
Acq On : 06 Nov 2025 07:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:16:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.606	75	197738	10.086	ppbv		95
47)	1,1,2-Trichloroethane	6.584	97	130602	10.274	ppbv		94
48)	Dibromochloromethane	7.389	129	238917	11.241	ppbv		98
49)	Bromoform	9.487	173	206162	11.933	ppbv		98
50)	4-Methyl-2-Pentanone	5.748	43	295948	9.331	ppbv		100
51)	2-Hexanone	7.435	43	225625	9.485	ppbv	#	98
52)	Tetrachloroethene	8.231	164	120713	10.396	ppbv		98
53)	Toluene	6.936	91	374714	9.805	ppbv		98
54)	1,2-Dibromoethane	7.655	107	205679	10.330	ppbv		99
56)	1,1,1,2-Tetrachloroethane	8.927	131	216010	11.429	ppbv		97
57)	Chlorobenzene	8.924	112	286894	10.228	ppbv		100
58)	Ethyl Benzene	9.357	91	527991	10.261	ppbv		100
59)	m/p-Xylene	9.555	91	864452m	21.062	ppbv		
60)	o-Xylene	9.966	91	428248	10.565	ppbv		98
61)	Styrene	9.872	104	180052	9.839	ppbv		99
62)	Isopropylbenzene	10.542	105	773742	10.564	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.966	83	273835	10.089	ppbv		99
64)	n-propylbenzene	10.992	120	202414	10.438	ppbv		96
65)	tert-Butylbenzene	11.532	119	664024	10.266	ppbv		97
66)	Benzyl Chloride	11.620	91	66651	9.258	ppbv		98
67)	sec-Butylbenzene	11.769	105	948023	10.327	ppbv		99
69)	p-Isopropyltoluene	11.927	119	798570	10.237	ppbv		98
70)	n-Butylbenzene	12.283	91	800217	10.410	ppbv		99
71)	2-Chlorotoluene	10.901	91	584421	10.461	ppbv		99
72)	4-Ethyltoluene	11.128	105	532971	10.693	ppbv		98
73)	1,3,5-Trimethylbenzene	11.205	105	438651	10.671	ppbv		93
74)	1,2,4-Trimethylbenzene	11.539	105	479281	10.419	ppbv		96
75)	1,3-Dichlorobenzene	11.610	146	291949	10.943	ppbv		99
76)	1,4-Dichlorobenzene	11.675	146	292491	10.872	ppbv		99
77)	1,2-Dichlorobenzene	11.950	146	275403	10.670	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.882	225	208179	10.417	ppbv		99
79)	Naphthalene	13.516	128	486229	10.113	ppbv		99
80)	Naphthalene,2-methyl-	14.462	142	137059	10.942	ppbv		96
81)	1,2,4-Trichlorobenzene	13.442	180	214527	10.750	ppbv		98

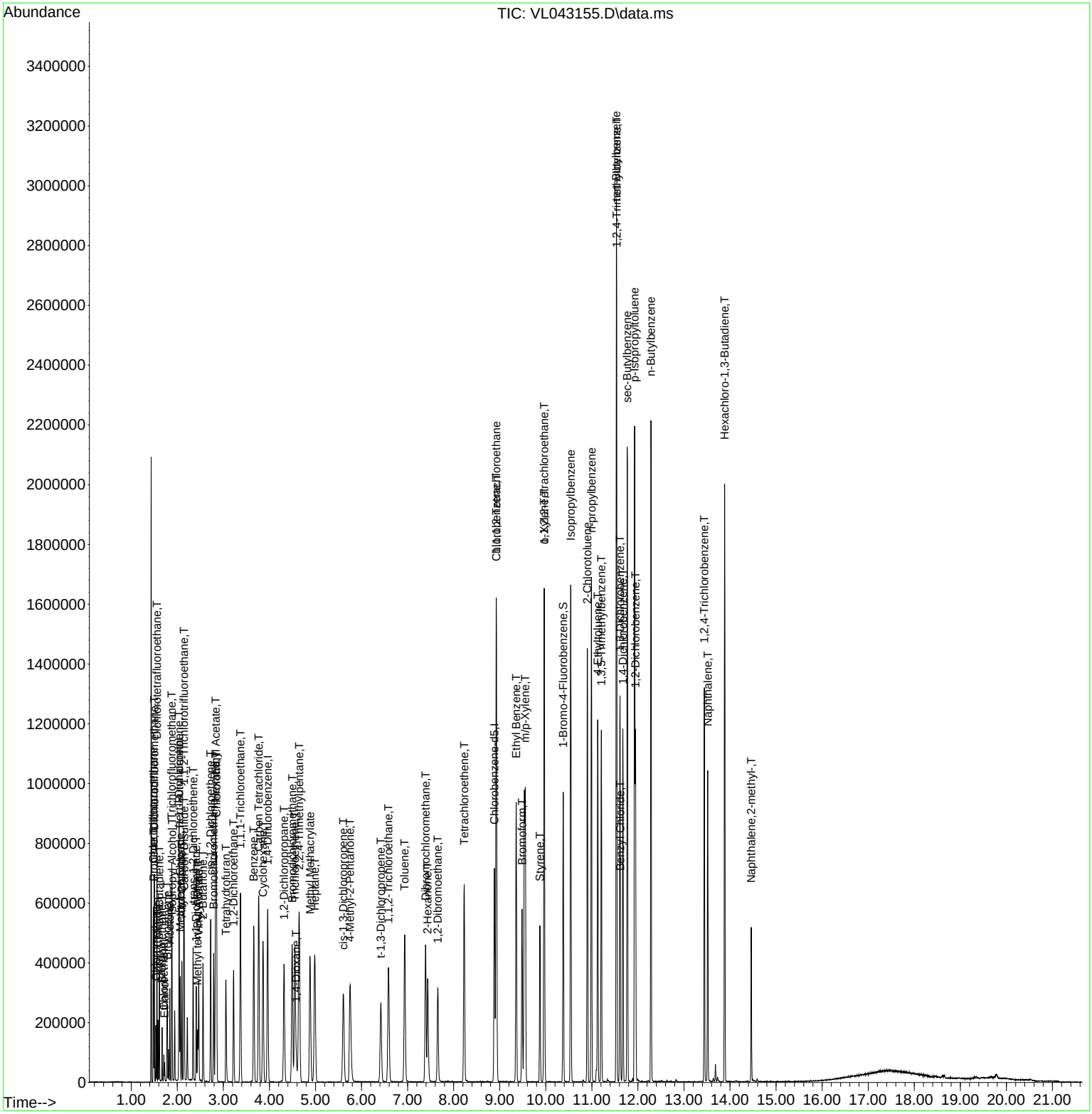
(#) = qualifier out of range (m) = manual integration (+) = signals summed

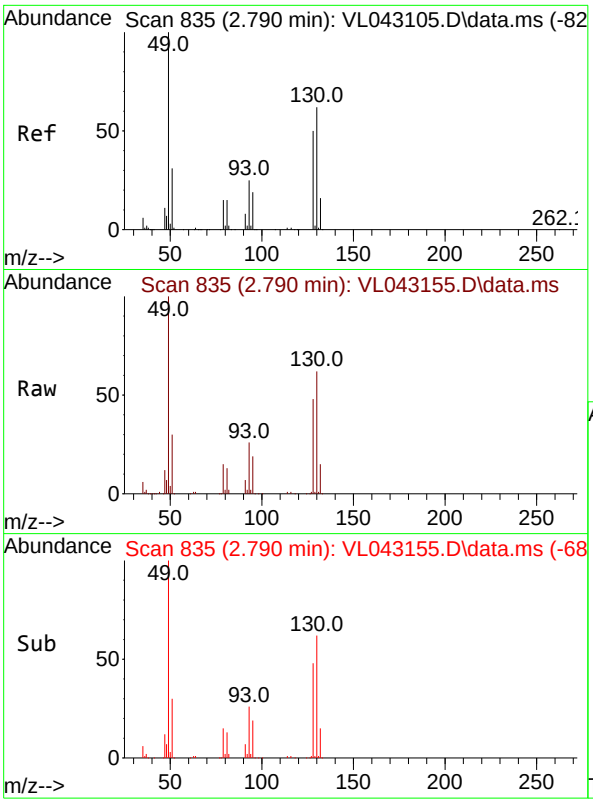
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043155.D
Acq On : 06 Nov 2025 07:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:16:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

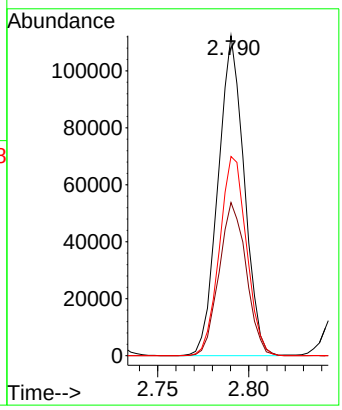




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 49 Resp: 11167

Ion	Ratio	Lower	Upper
49	100		
128	49.7	24.4	73.4
130	64.6	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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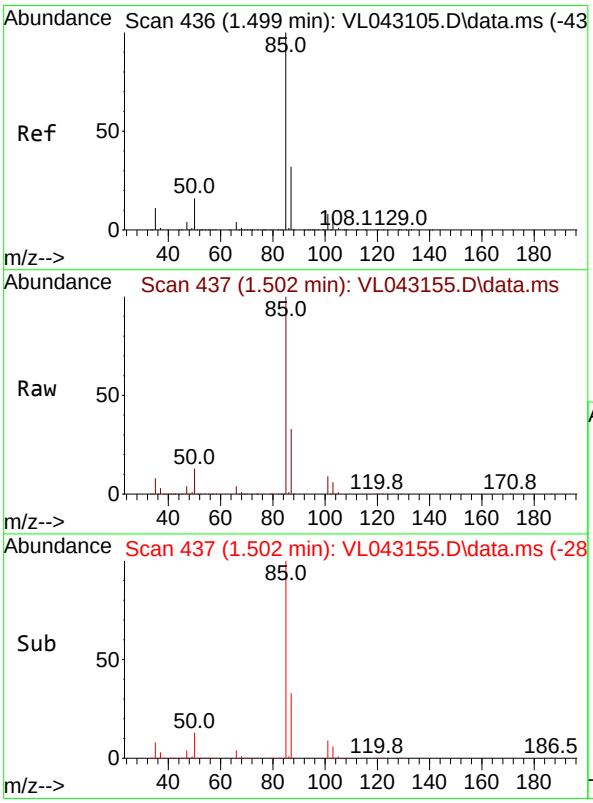
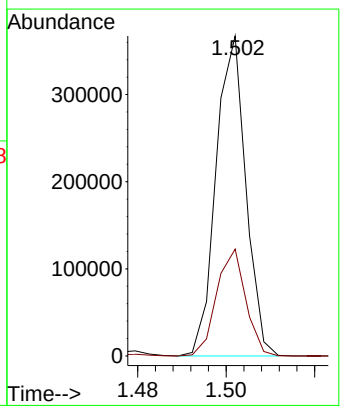
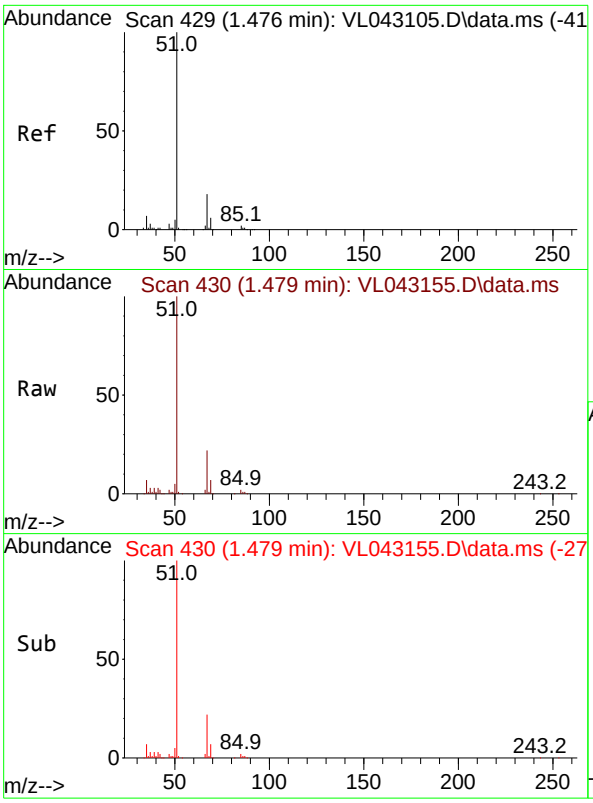


#2
Dichlorodifluoromethane
Concen: 10.832 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 85 Resp: 171973

Ion	Ratio	Lower	Upper
85	100		
87	33.4	25.3	37.9

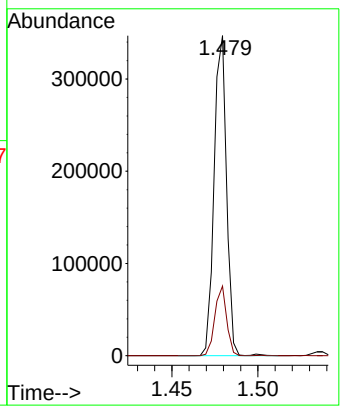




#3
Chlorodifluoromethane
Concen: 10.109 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 51 Resp: 17365

Ion	Ratio	Lower	Upper
51	100		
67	20.7	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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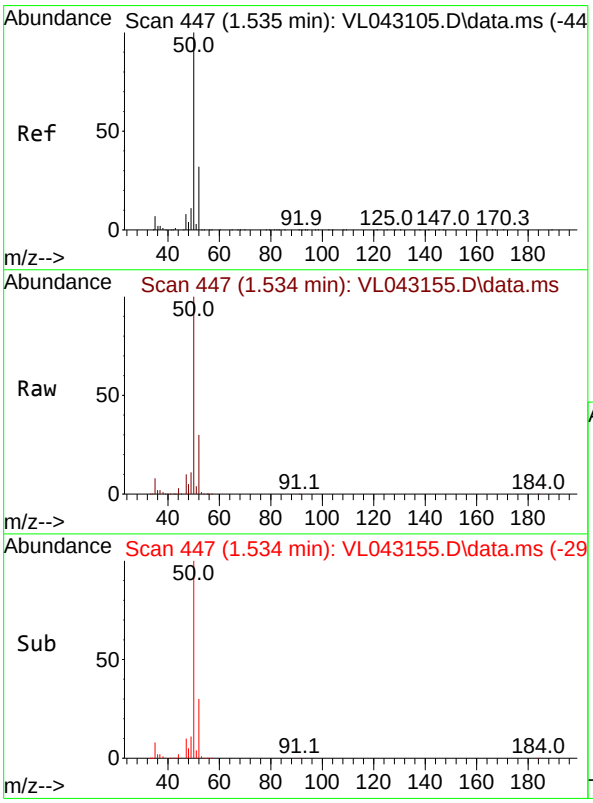
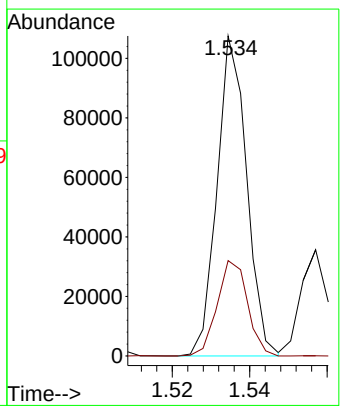
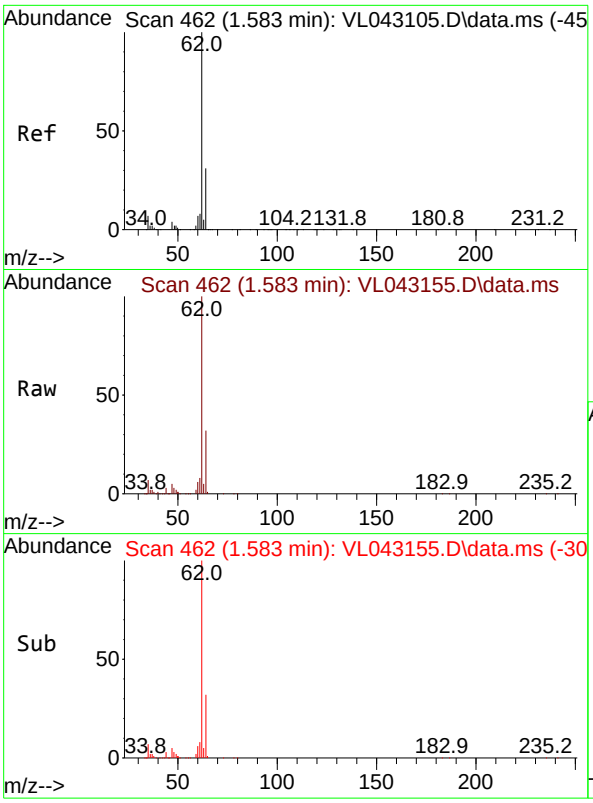


#4
Chloromethane
Concen: 9.075 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 50 Resp: 57078

Ion	Ratio	Lower	Upper
50	100		
52	29.8	25.2	37.8





#5
Vinyl Chloride
Concen: 9.304 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 62 Resp: 5739

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.6	36.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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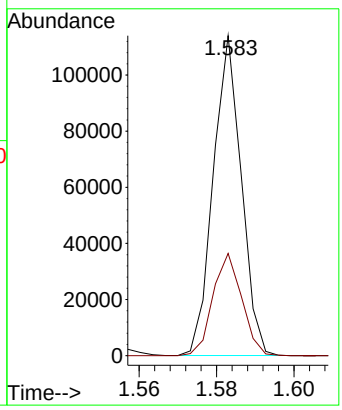
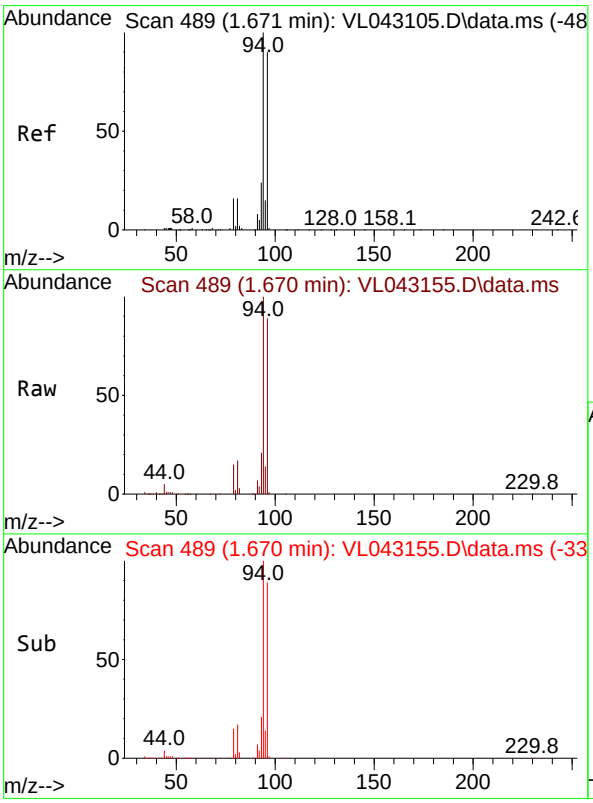
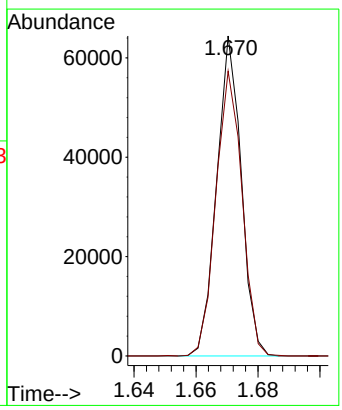


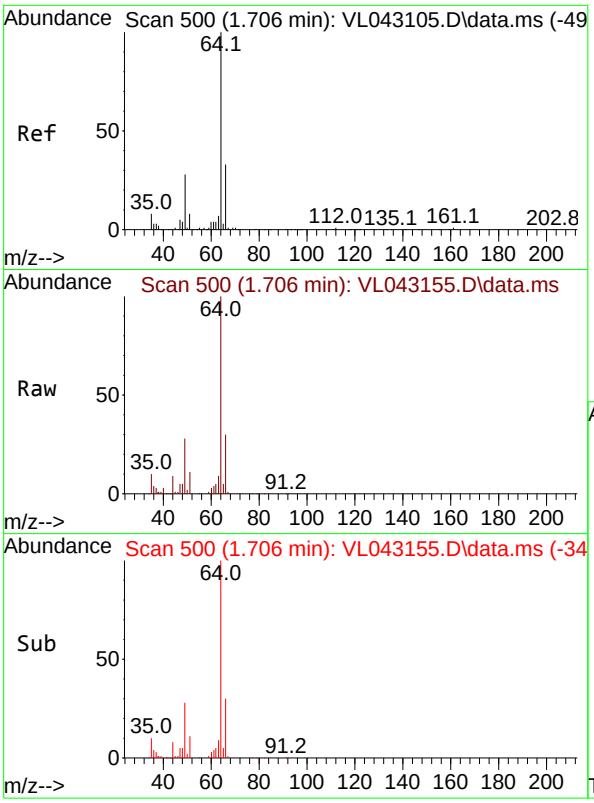


#6
Bromomethane
Concen: 10.482 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 94 Resp: 35458

Ion	Ratio	Lower	Upper
94	100		
96	89.0	72.2	108.4

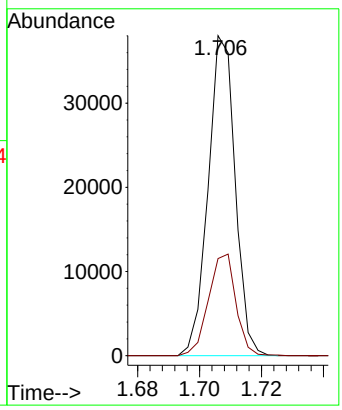




#7
Chloroethane
Concen: 9.123 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 64 Resp: 2301

Ion	Ratio	Lower	Upper
64	100		
66	30.4	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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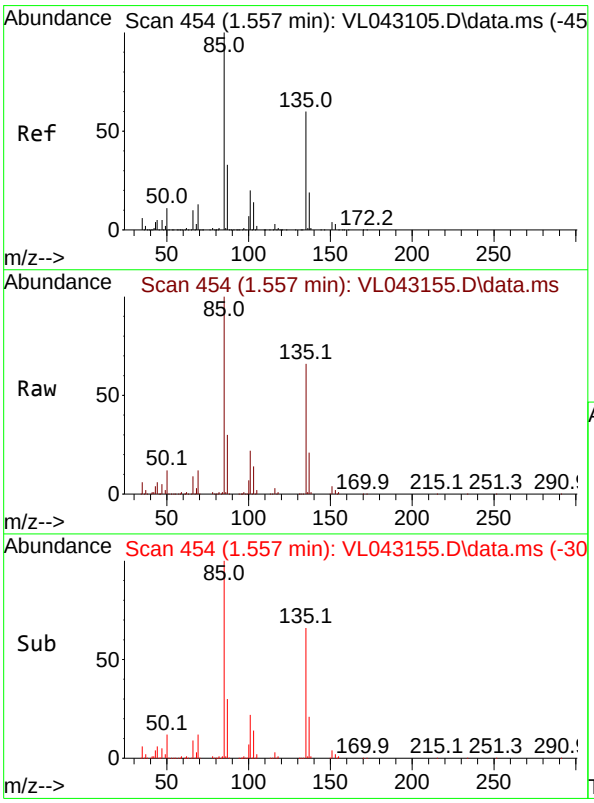
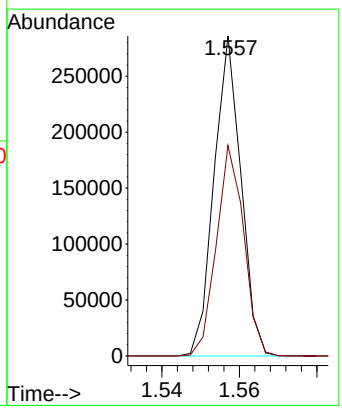
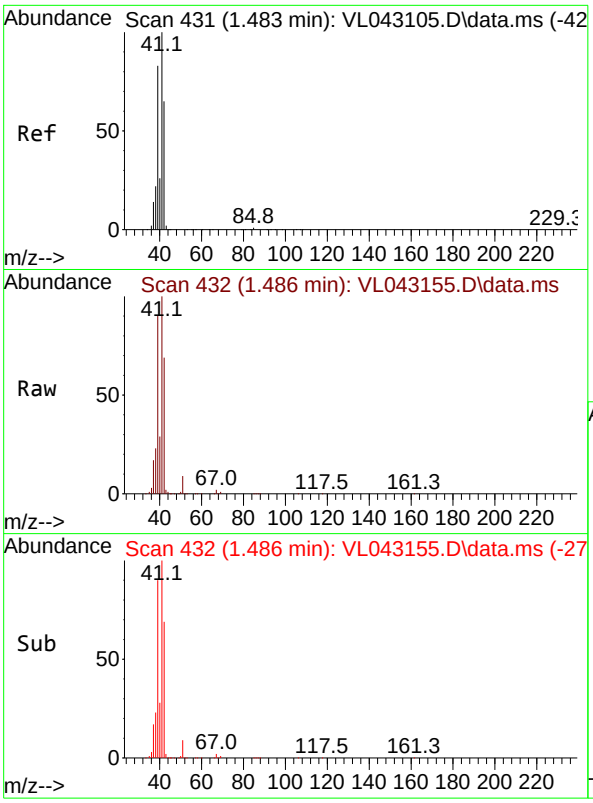


#8
Dichlorotetrafluoroethane
Concen: 10.753 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 85 Resp: 137989

Ion	Ratio	Lower	Upper
85	100		
135	67.0	48.2	72.4

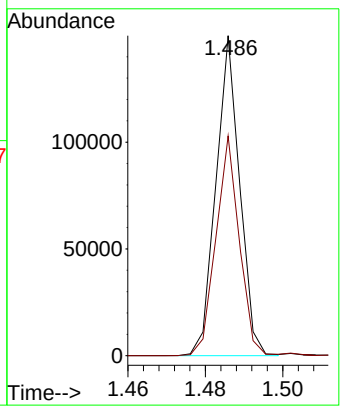




#9
Propene
Concen: 8.370 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 41 Resp: 6376

Ion	Ratio	Lower	Upper
41	100		
42	68.3	55.1	82.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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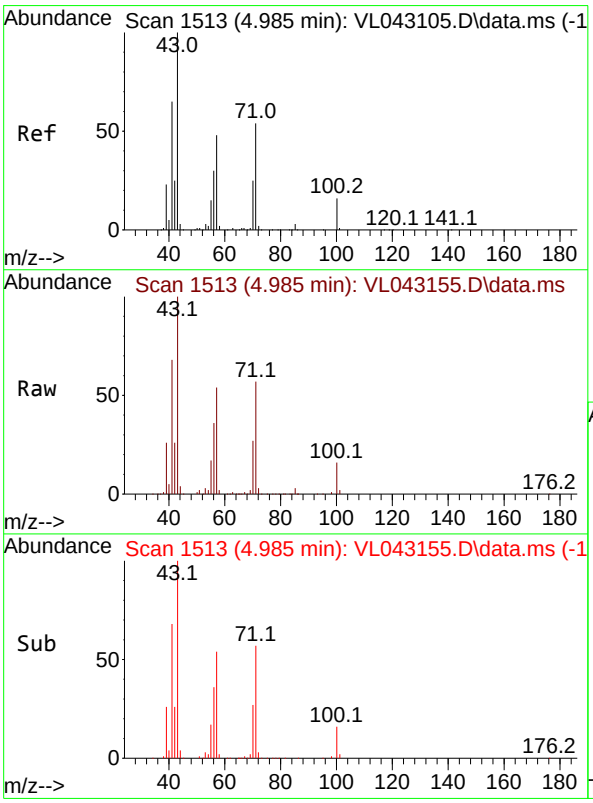
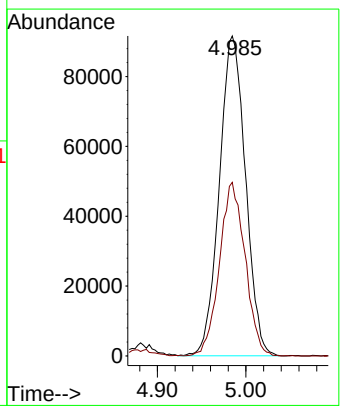
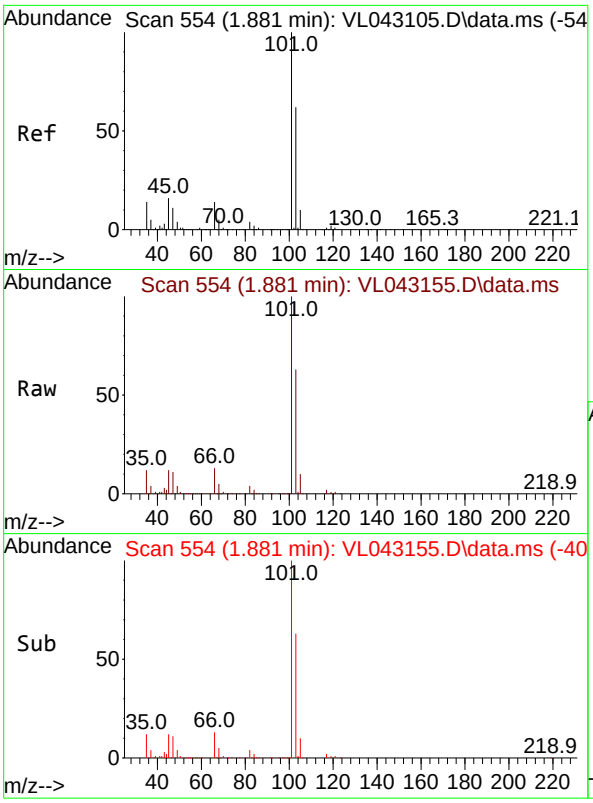


#10
Heptane
Concen: 8.579 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 43 Resp: 188172

Ion	Ratio	Lower	Upper
43	100		
57	53.2	40.8	61.2





#11
Trichlorofluoromethane
Concen: 11.925 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:101 Resp: 18519

Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.3	73.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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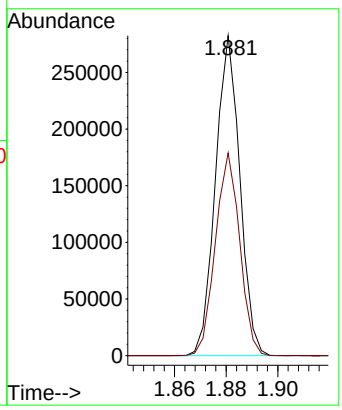
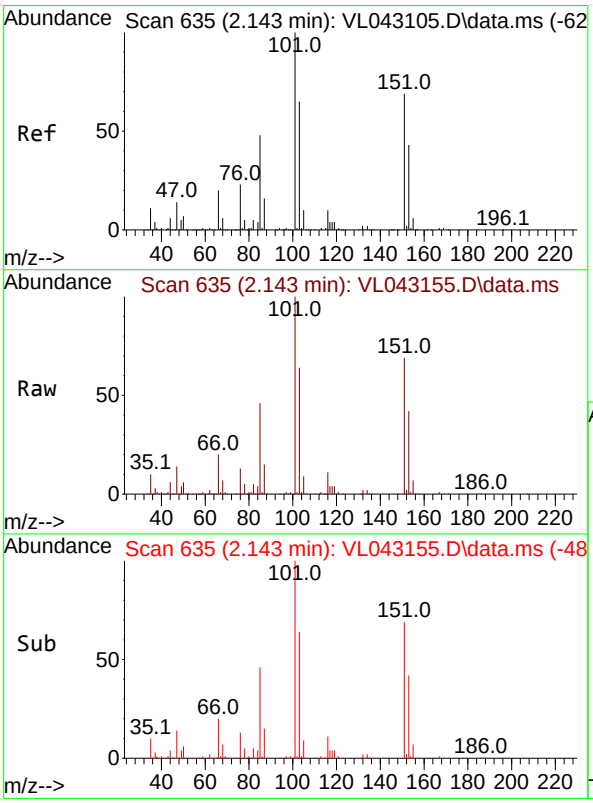
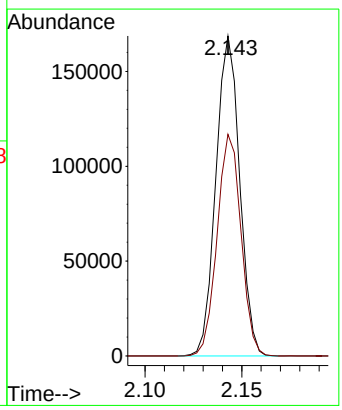


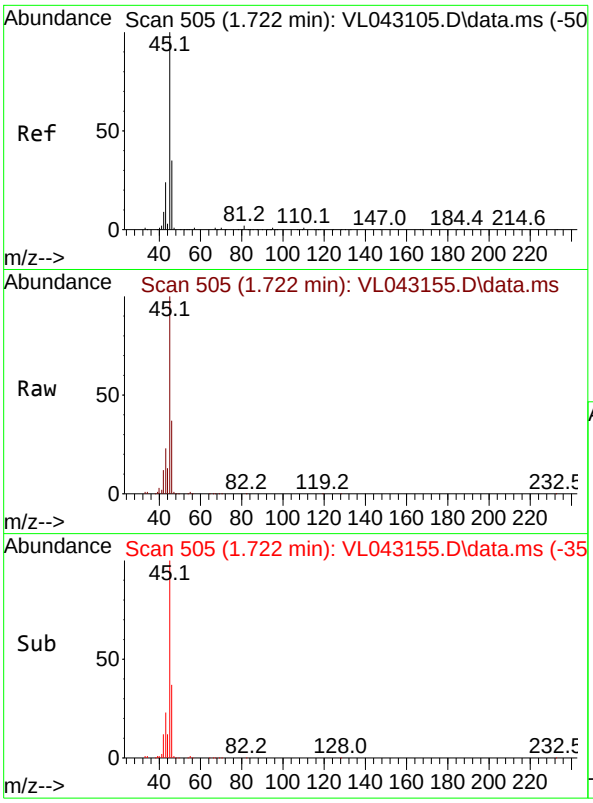


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.519 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:101 Resp: 144020

Ion	Ratio	Lower	Upper
101	100		
151	69.5	54.7	82.1

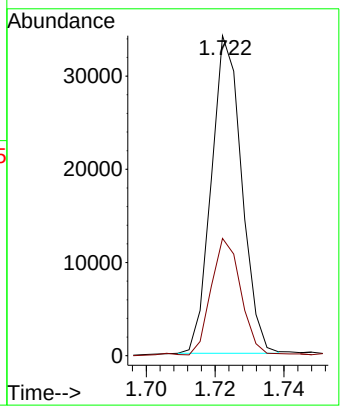




#13
Ethanol
Concen: 7.389 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 45 Resp: 2082

Ion	Ratio	Lower	Upper
45	100		
46	38.0	14.7	58.9



Instrument :
MSVOA_L
ClientSampleId :
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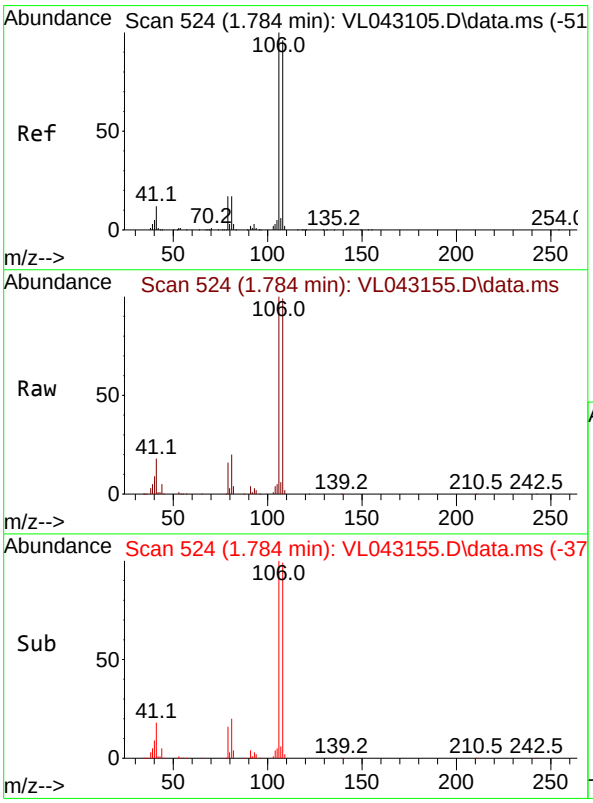
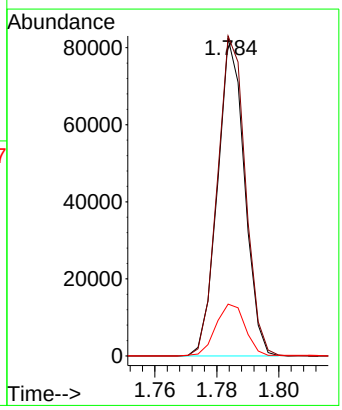
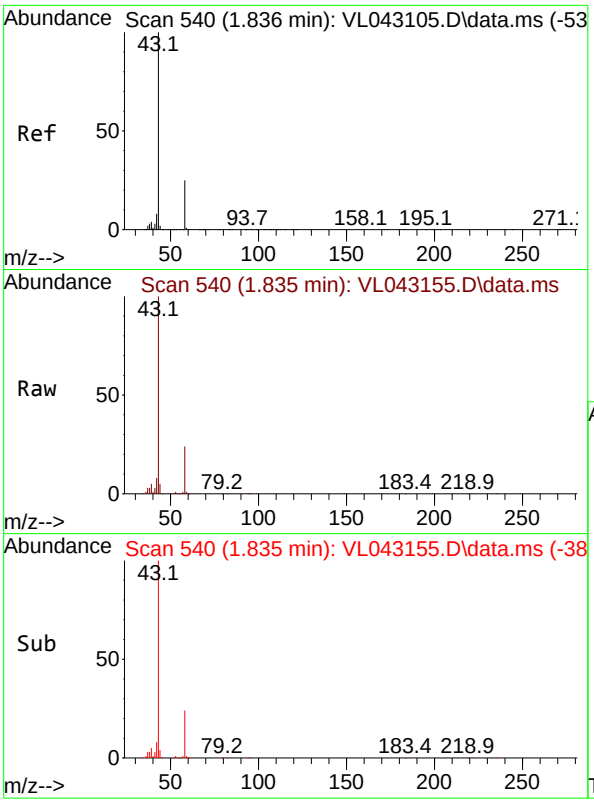


#14
Bromoethene
Concen: 10.750 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:108 Resp: 49929

Ion	Ratio	Lower	Upper
108	100		
106	104.4	84.4	126.6
79	18.3	15.3	22.9

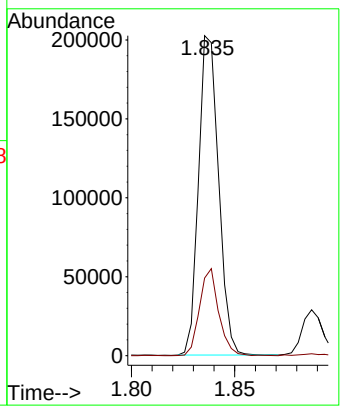




#15
Acetone
Concen: 9.072 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 43 Resp: 13655

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.8	31.2



Instrument :
MSVOA_L
ClientSampleId :
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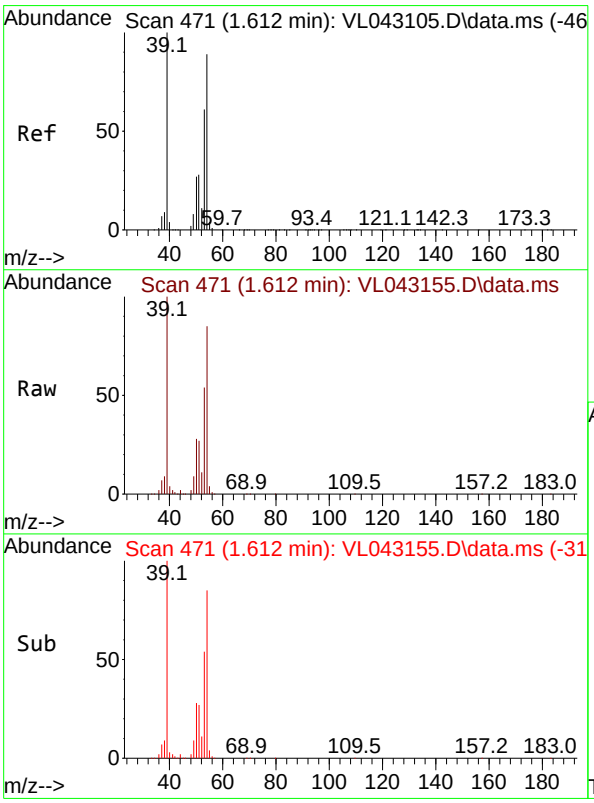
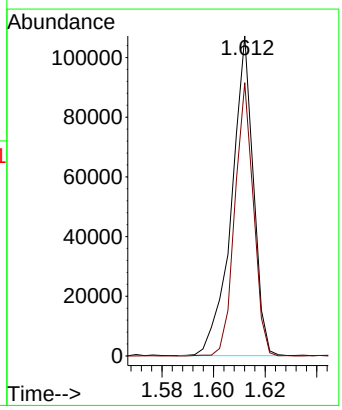
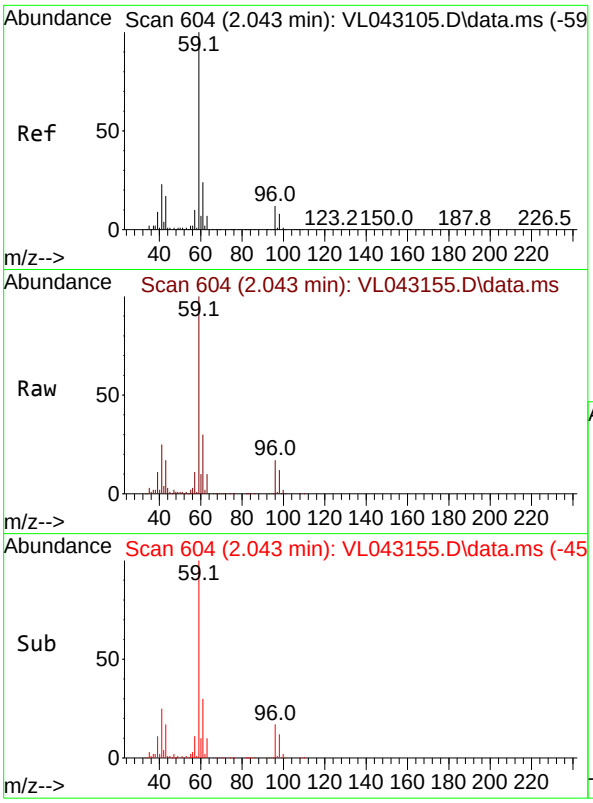


#16
1,3-Butadiene
Concen: 8.785 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 39 Resp: 63019

Ion	Ratio	Lower	Upper
39	100		
54	72.9	59.0	88.4

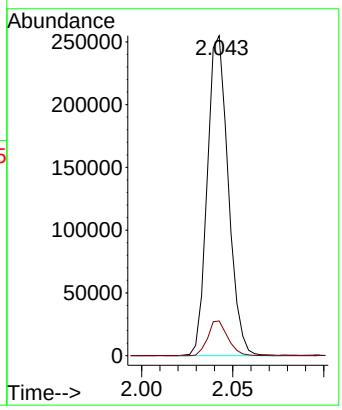




#17
tert-Butyl alcohol
Concen: 9.889 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 59 Resp: 20432

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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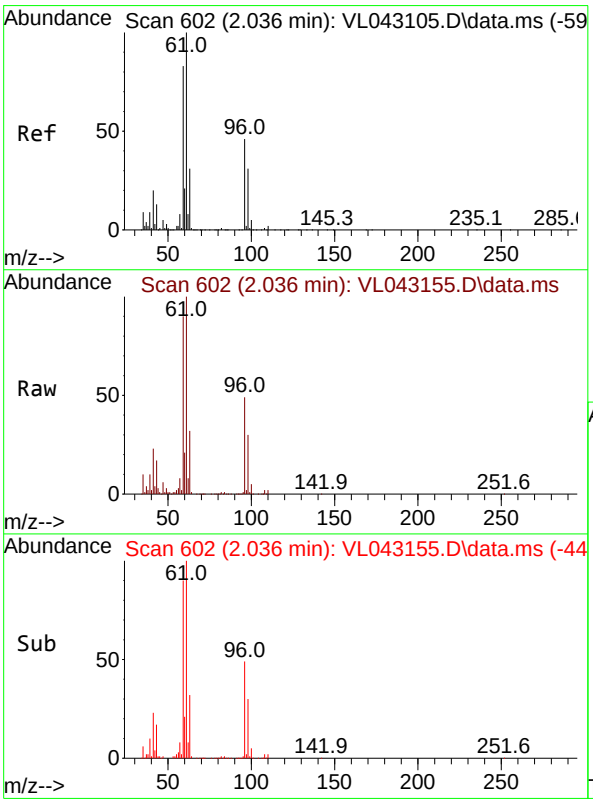
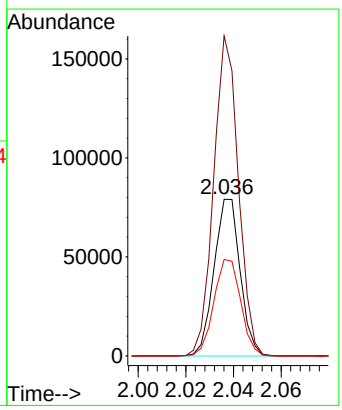
Supervised By :Mahesh Dadoda 11/10/2025

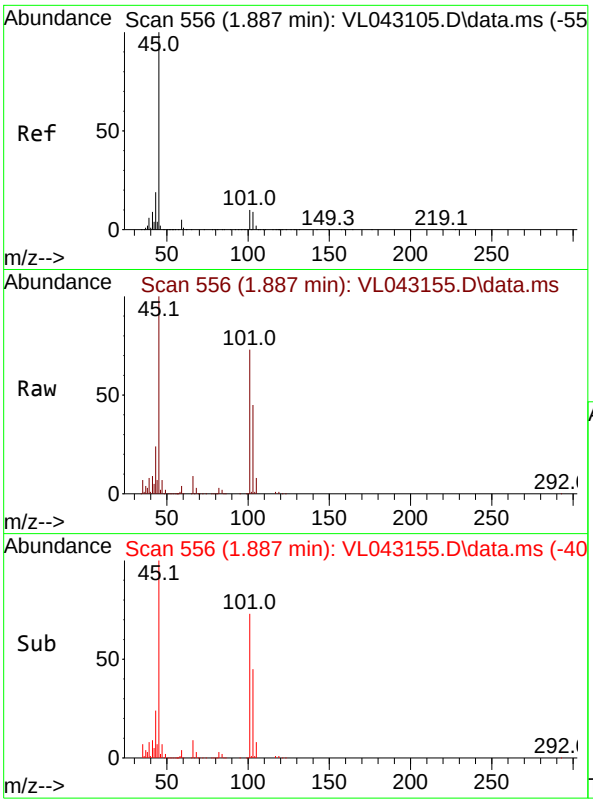


#18
1,1-Dichloroethene
Concen: 11.030 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 96 Resp: 60122

Ion	Ratio	Lower	Upper
96	100		
61	204.3	173.4	260.0
98	61.6	53.2	79.8

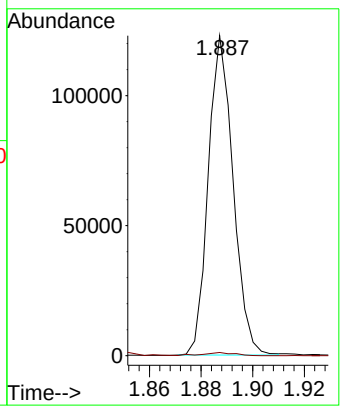




#19
Isopropyl Alcohol
Concen: 8.736 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 45 Resp: 8190

Ion	Ratio	Lower	Upper
45	100		
58	43.6	31.3	46.9



Instrument :
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ClientSampleId :
VSTDCCC010

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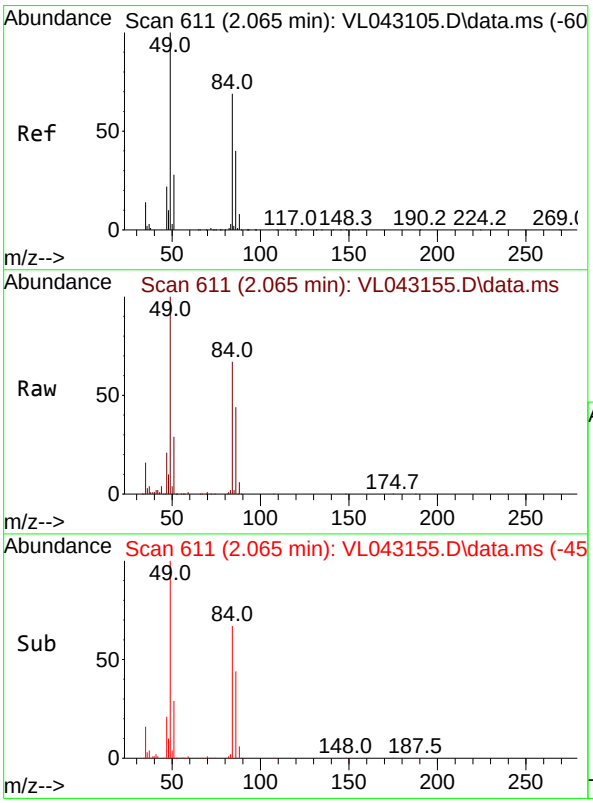
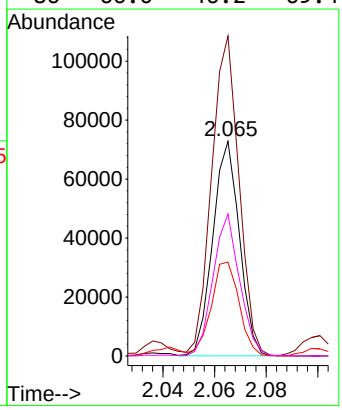
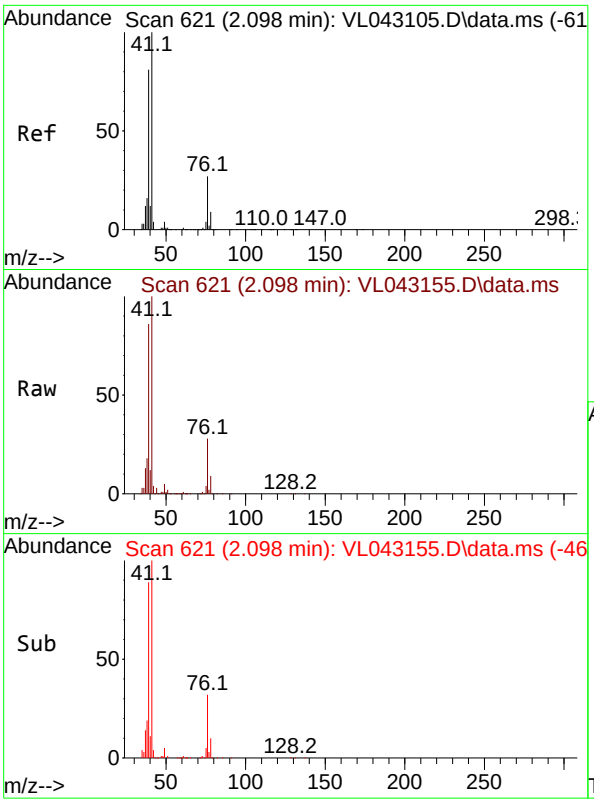


#20
Methylene Chloride
Concen: 8.774 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 84 Resp: 52206

Ion	Ratio	Lower	Upper
84	100		
49	149.2	116.6	175.0
51	43.7	34.8	52.2
86	66.0	46.2	69.4





#21
Allyl Chloride
Concen: 9.309 ppbv
RT: 2.098 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 41 Resp: 10325

Ion	Ratio	Lower	Upper
41	100		
76	29.9	21.5	32.3
39	83.3	60.8	91.2

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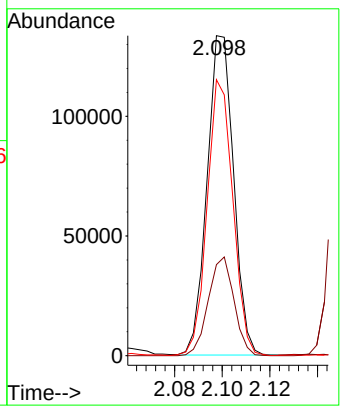
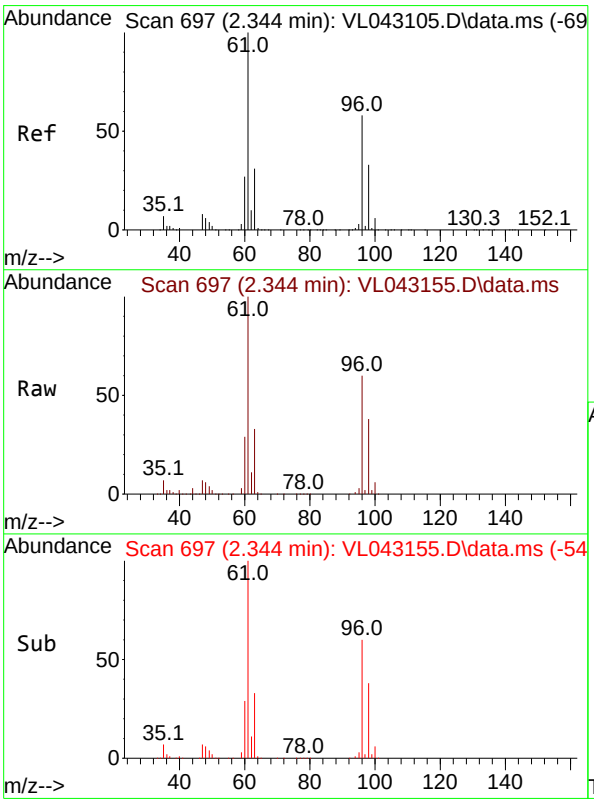
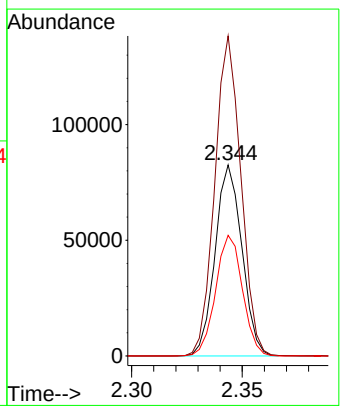


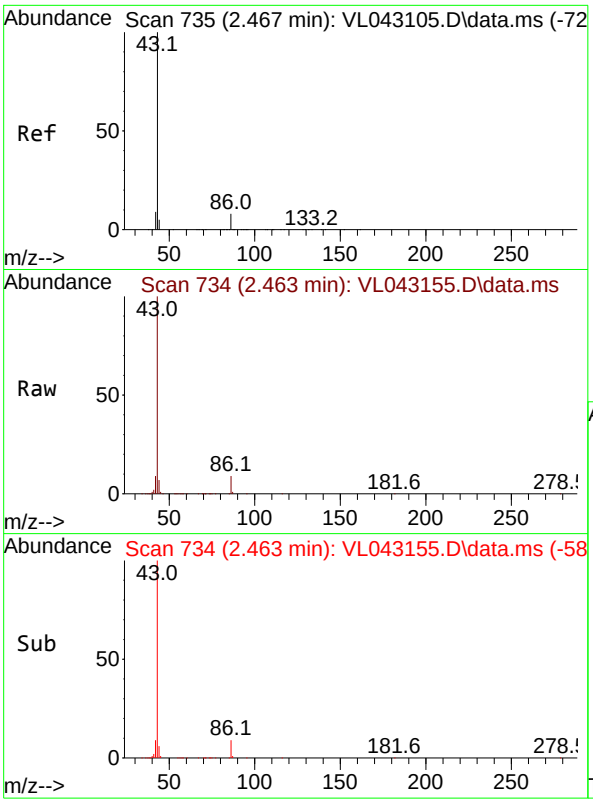


#22
trans-1,2-Dichloroethene
Concen: 10.686 ppbv
RT: 2.344 min Scan# 697
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 96 Resp: 69627

Ion	Ratio	Lower	Upper
96	100		
61	167.5	137.0	205.6
98	63.2	45.5	68.3

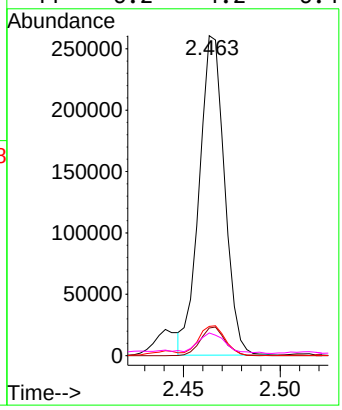




#23
Vinyl Acetate
Concen: 10.726 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 43 Resp: 23650

Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.2	9.2
42	9.1	7.6	11.4
44	6.2	4.2	6.4



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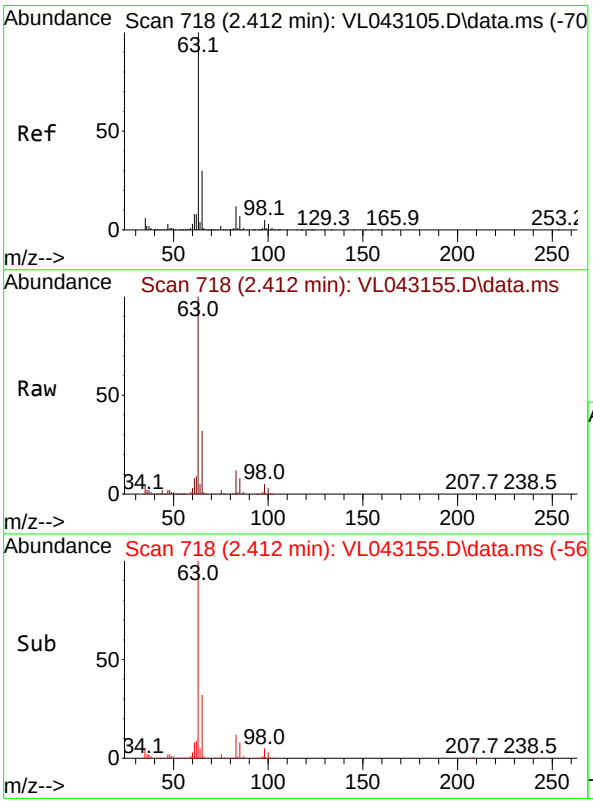
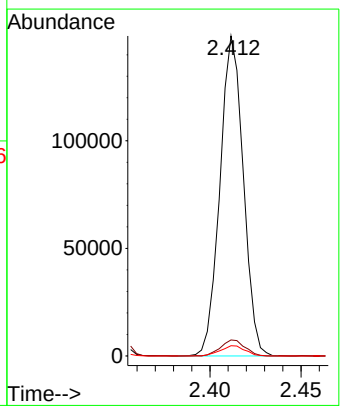
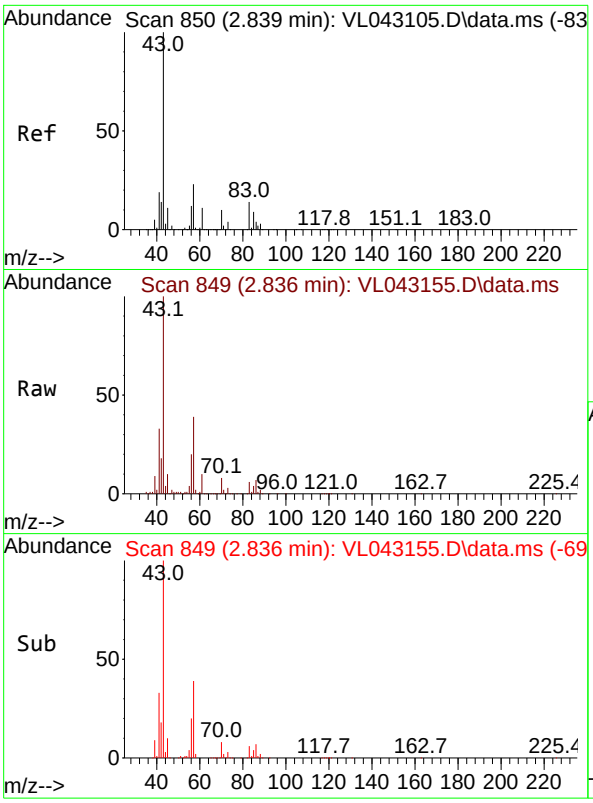


#24
1,1-Dichloroethane
Concen: 10.535 ppbv
RT: 2.412 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 63 Resp: 132624

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.6	7.8
100	3.2	1.5	4.4

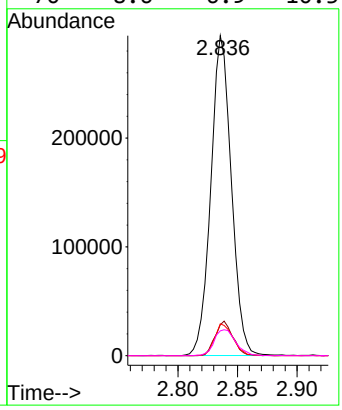




#25
Ethyl Acetate
Concen: 9.452 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 43 Resp: 35282

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.8
61	9.0	7.0	10.6
70	8.6	6.9	10.3



Instrument :
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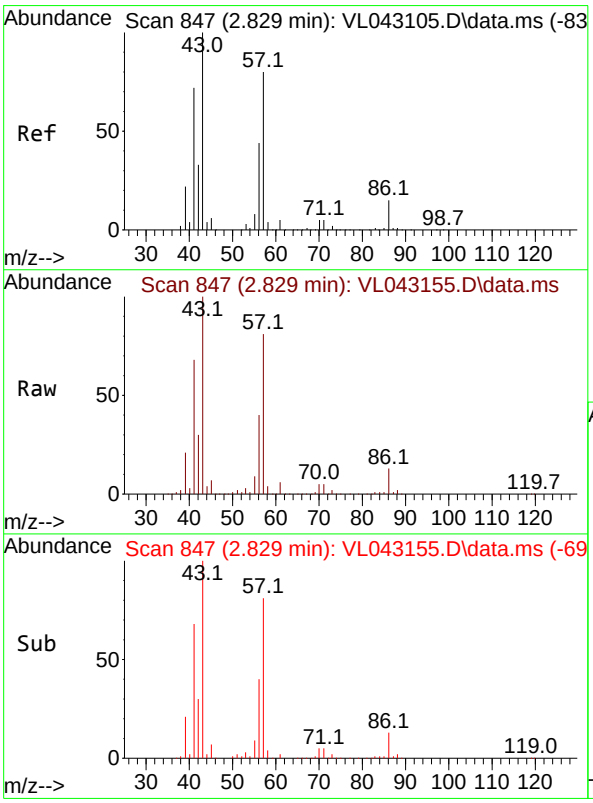
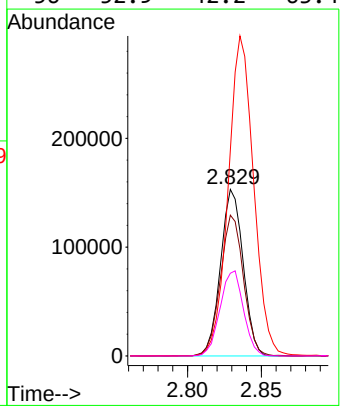
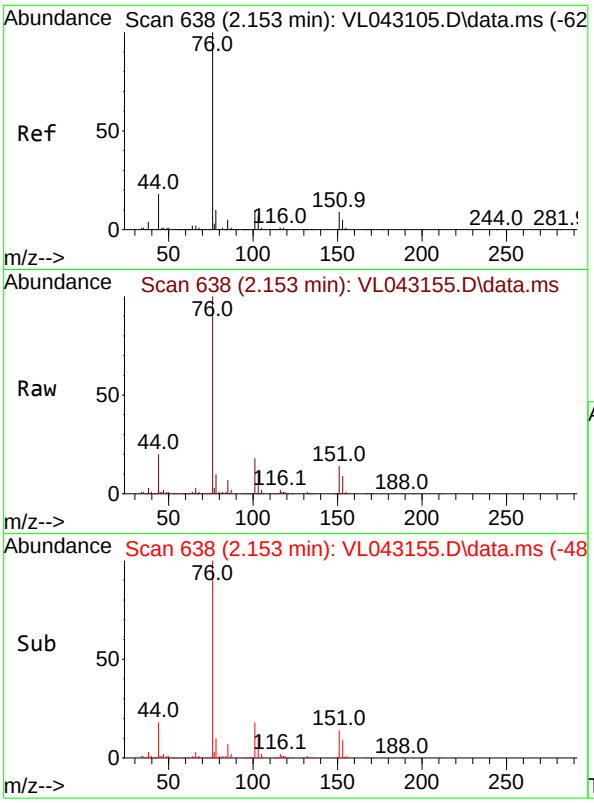


#26
Hexane
Concen: 9.508 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 57 Resp: 163545

Ion	Ratio	Lower	Upper
57	100		
41	87.0	71.4	107.0
43	216.3	178.5	267.7
56	52.9	42.2	63.4

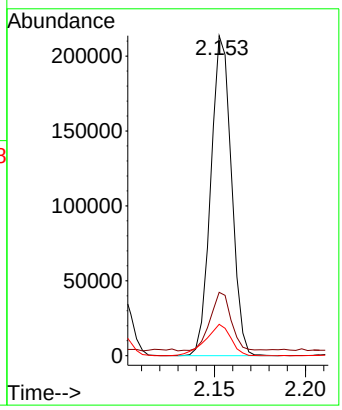




#27
Carbon Disulfide
Concen: 10.684 ppbv
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 76 Resp: 16837

Ion	Ratio	Lower	Upper
76	100		
44	19.4	16.7	25.1
78	12.0	9.3	13.9



Instrument :
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ClientSampleId :
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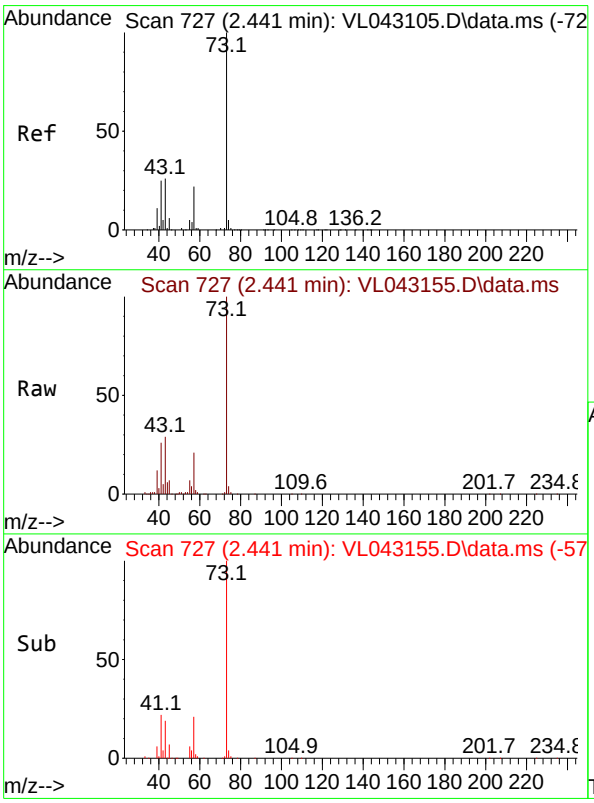
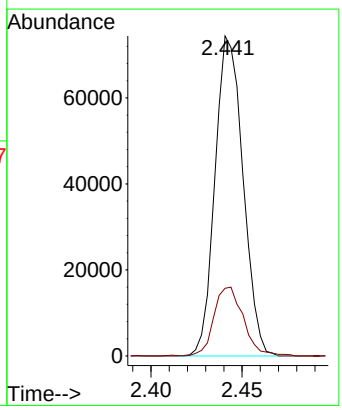
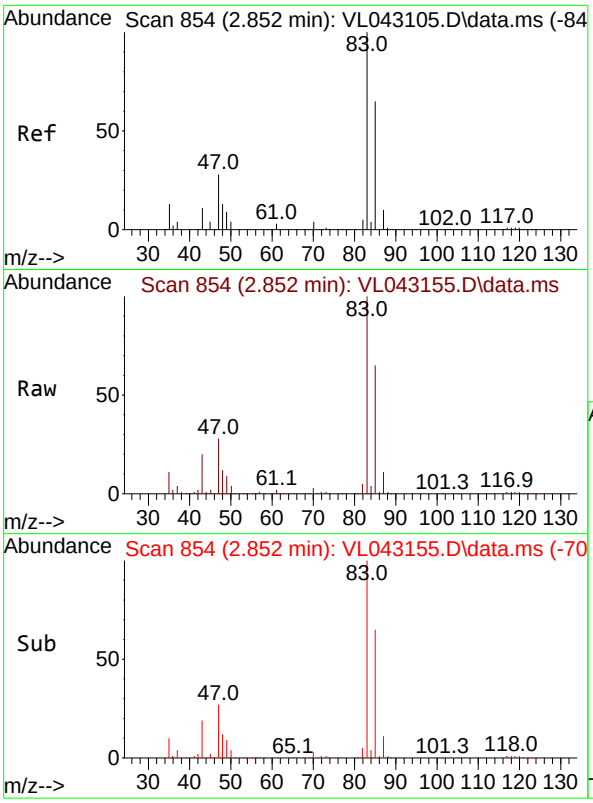


#28
Methyl tert-Butyl Ether
Concen: 10.158 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 73 Resp: 79492

Ion	Ratio	Lower	Upper
73	100		
57	22.8	20.5	30.7

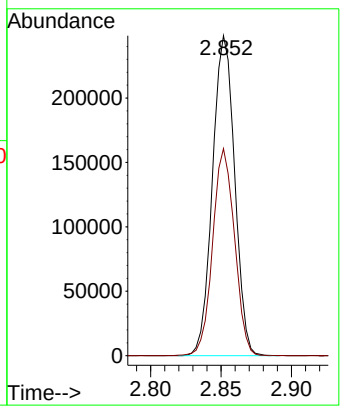




#29
Chloroform
Concen: 10.919 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 83 Resp: 27213

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



Instrument :
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ClientSampleId :
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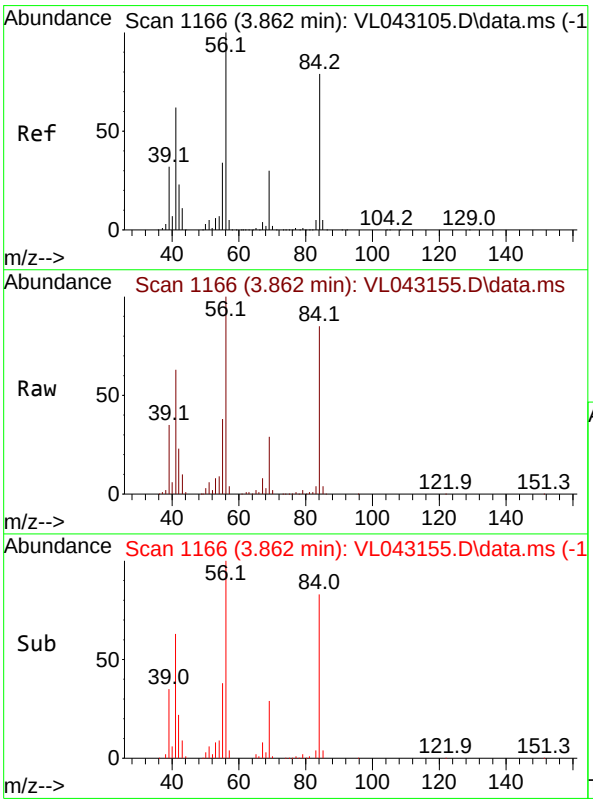
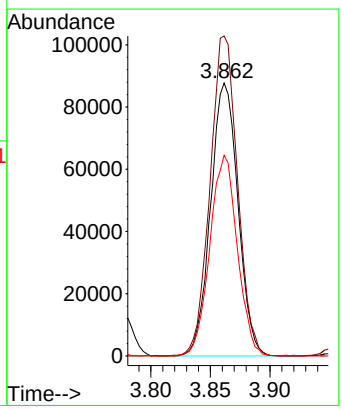
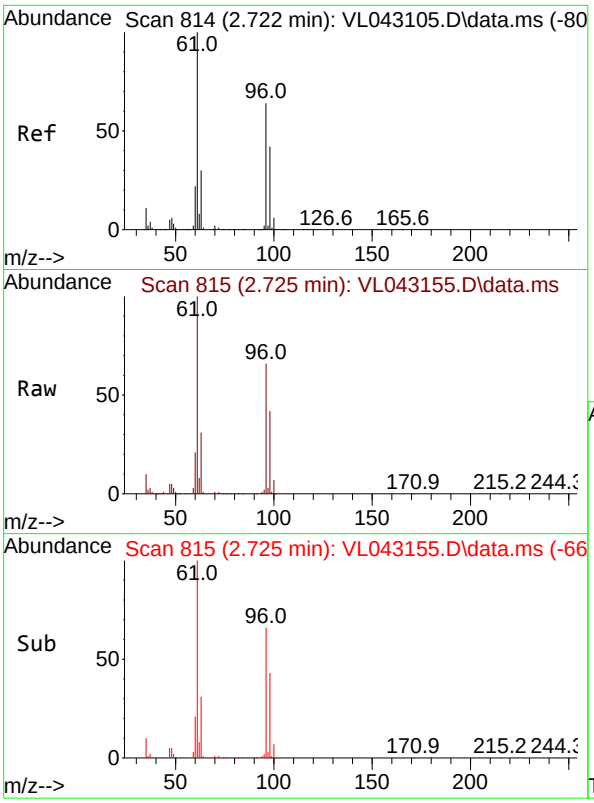


#30
Cyclohexane
Concen: 9.341 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 84 Resp: 140232

Ion	Ratio	Lower	Upper
84	100		
56	117.5	100.9	151.3
41	73.7	63.8	95.6

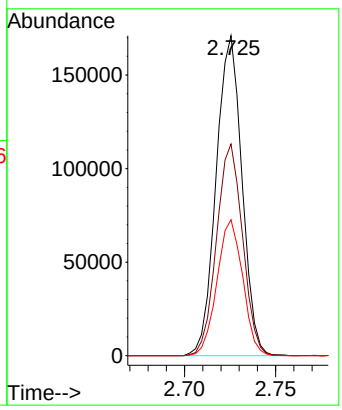




#31
cis-1,2-Dichloroethene
Concen: 10.263 ppbv
RT: 2.725 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 61 Resp: 16857

Ion	Ratio	Lower	Upper
61	100		
96	66.1	51.0	76.6
98	42.5	33.5	50.3



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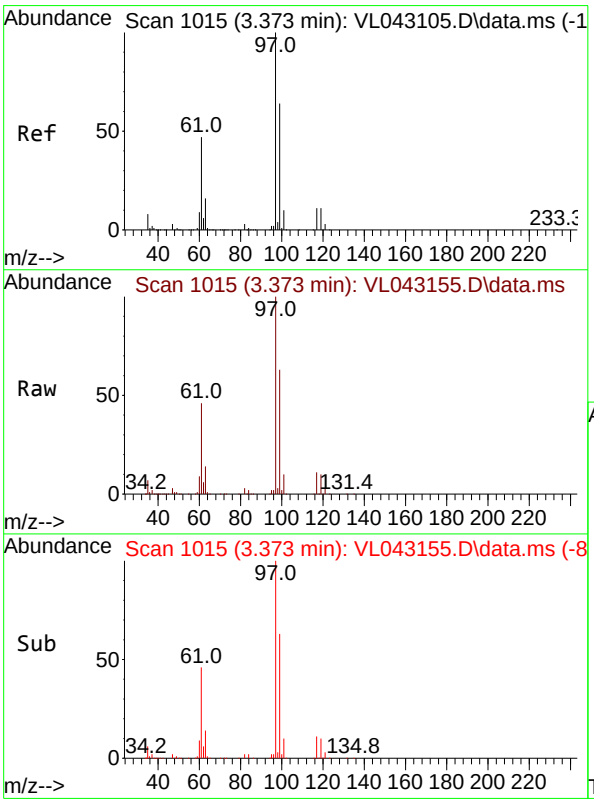
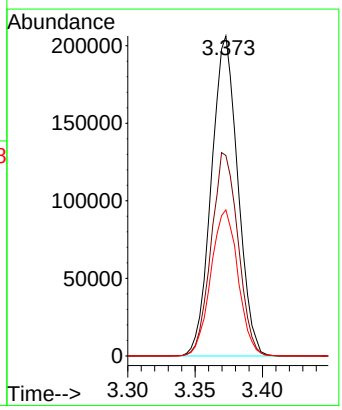
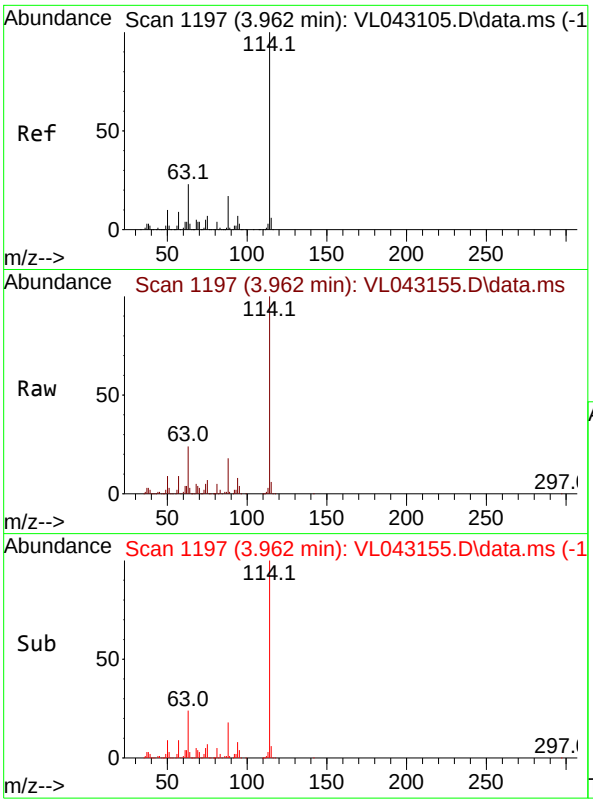


#32
1,1,1-Trichloroethane
Concen: 10.844 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 97 Resp: 281440

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	47.1	38.4	57.6

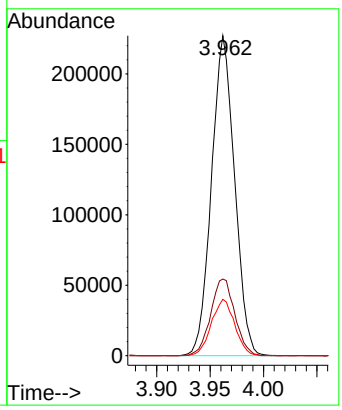




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:114 Resp: 34187

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.3	28.9
88	17.8	13.9	20.9



Instrument :
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ClientSampleId :
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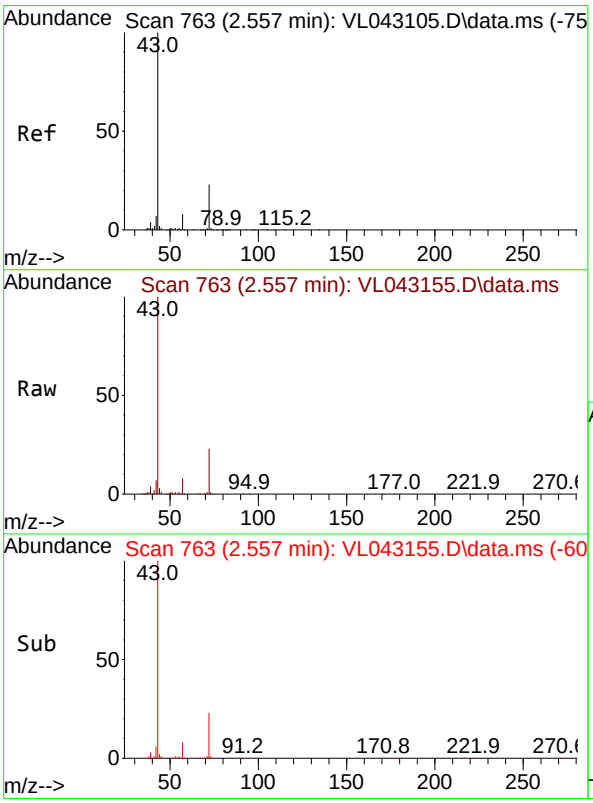
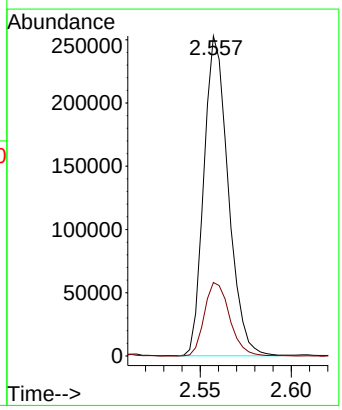
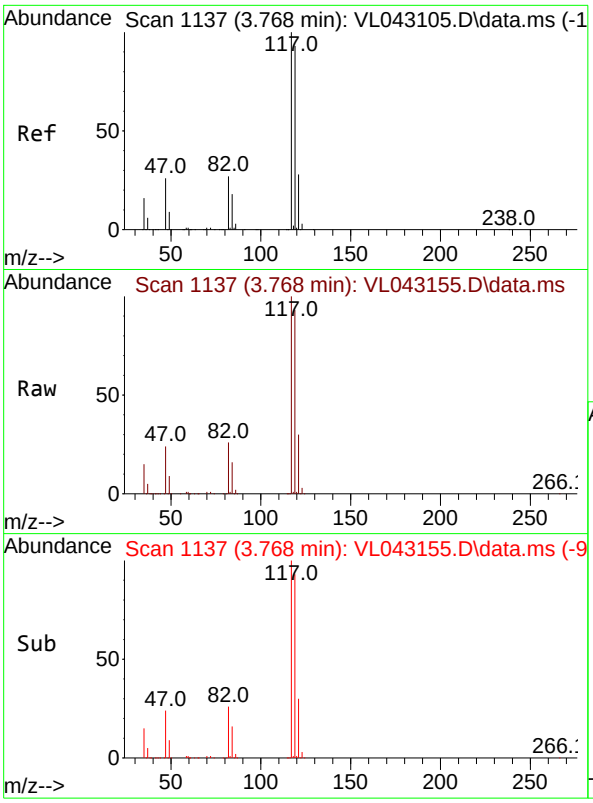


#34
2-Butanone
Concen: 10.242 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 43 Resp: 235359

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6

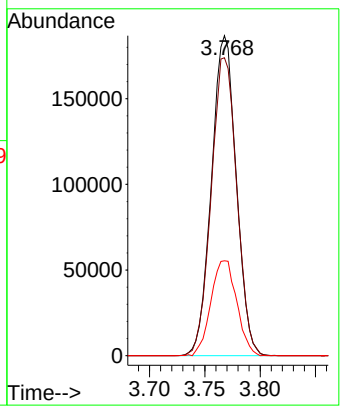




#35
Carbon Tetrachloride
Concen: 11.845 ppbv
RT: 3.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:117 Resp: 29114

Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.1	111.1
121	29.6	22.2	33.2



Instrument :
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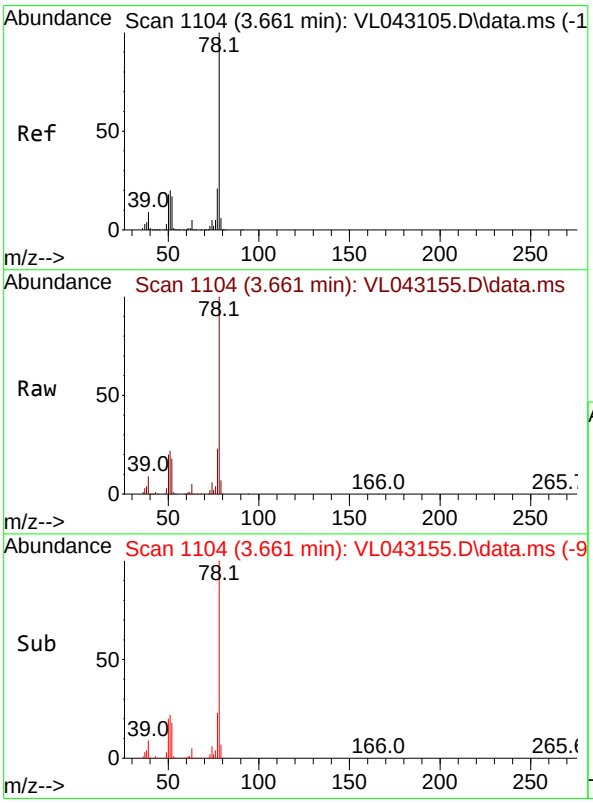
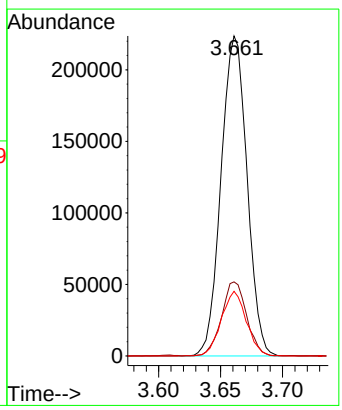
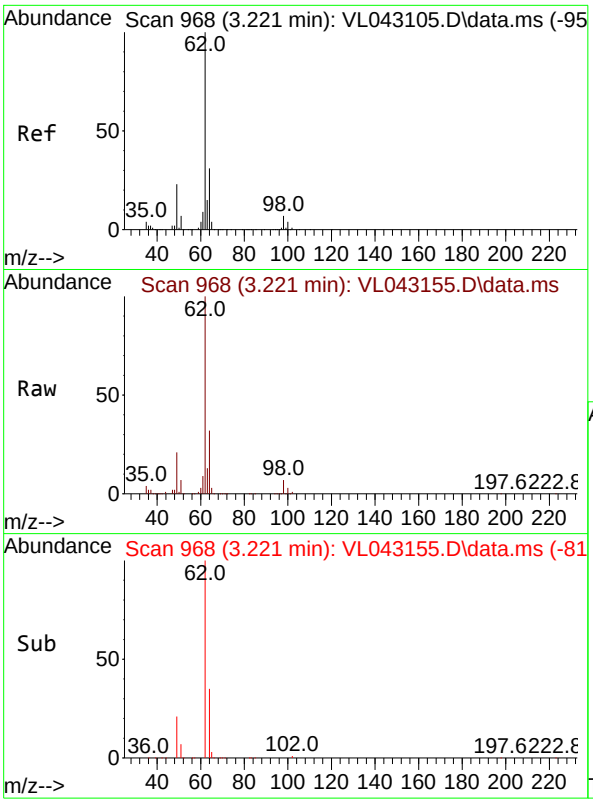


#36
Benzene
Concen: 10.148 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 78 Resp: 326769

Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.0	25.6
50	20.2	14.6	22.0

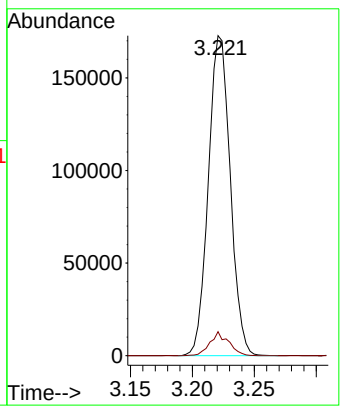




#37
1,2-Dichloroethane
Concen: 11.493 ppbv
RT: 3.221 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 62 Resp: 21318

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.8	8.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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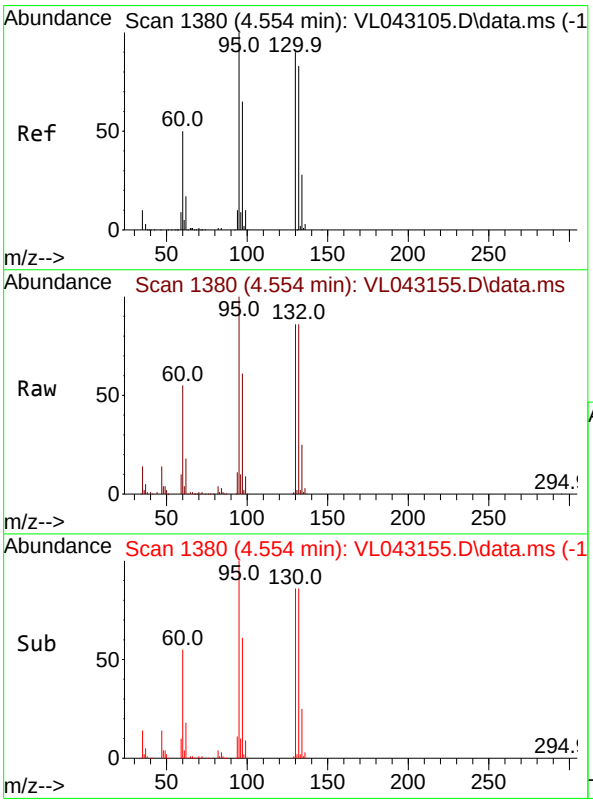
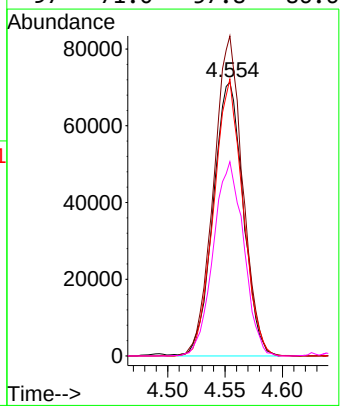
Supervised By :Mahesh Dadoda 11/10/2025

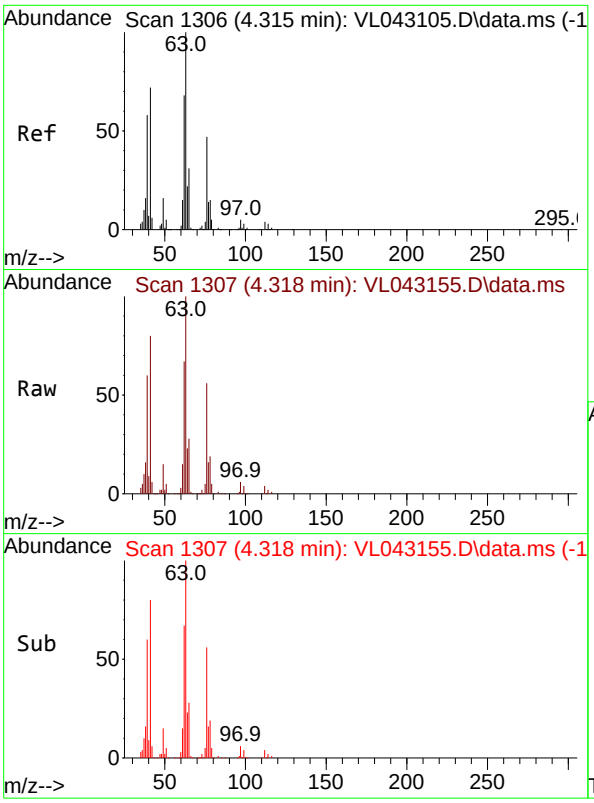


#38
Trichloroethene
Concen: 9.635 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:130 Resp: 129566

Ion	Ratio	Lower	Upper
130	100		
95	116.7	88.6	133.0
132	101.0	73.4	110.0
97	71.0	57.8	86.6

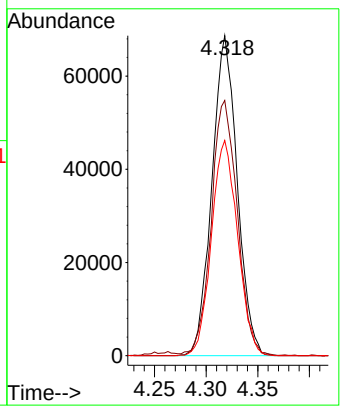




#39
1,2-Dichloropropane
Concen: 9.950 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 63 Resp: 11712

Ion	Ratio	Lower	Upper
63	100		
41	79.6	58.0	87.0
62	67.3	54.7	82.1



Instrument :
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VSTDCCC010

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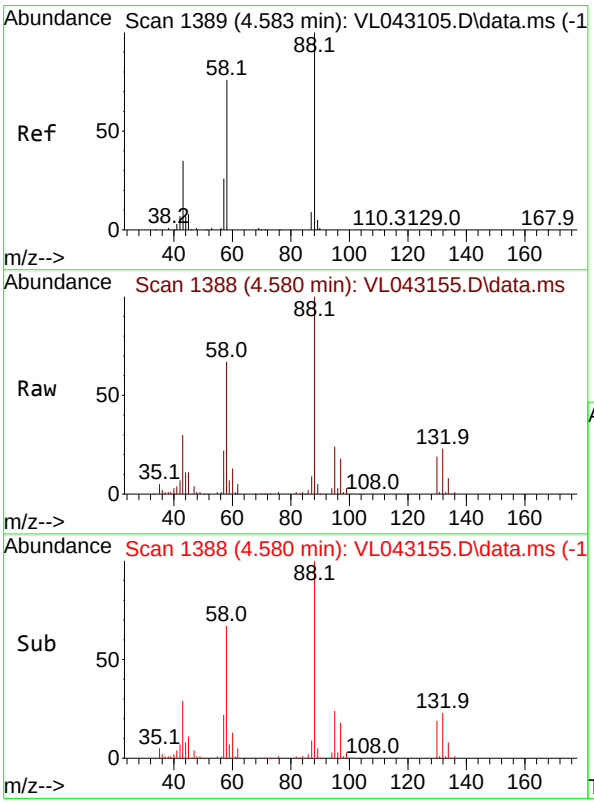
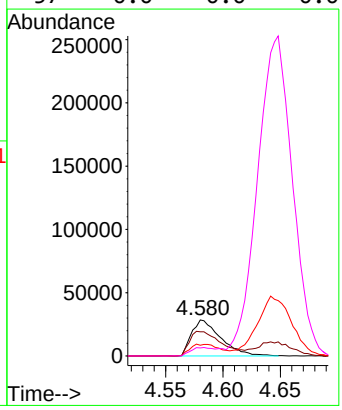
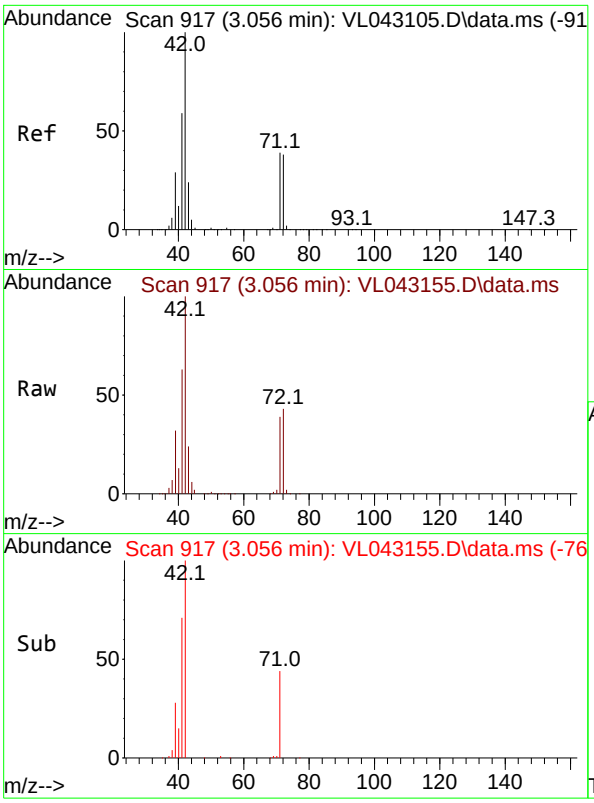


#40
1,4-Dioxane
Concen: 9.574 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 88 Resp: 50431

Ion	Ratio	Lower	Upper
88	100		
58	75.0	61.1	91.7
43	35.7	24.0	36.0
57	0.0	0.0	0.0

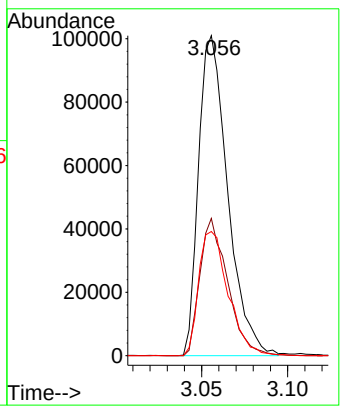




#41
Tetrahydrofuran
Concen: 9.267 ppbv
RT: 3.056 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 42 Resp: 11911

Ion	Ratio	Lower	Upper
42	100		
72	40.9	31.3	46.9
71	39.4	30.4	45.6



Instrument :
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ClientSampleId :
VSTDCCC010

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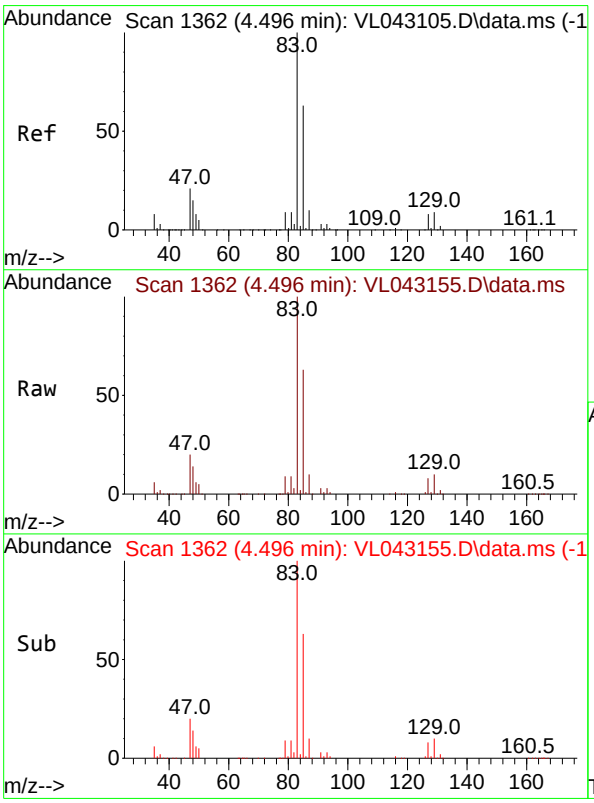
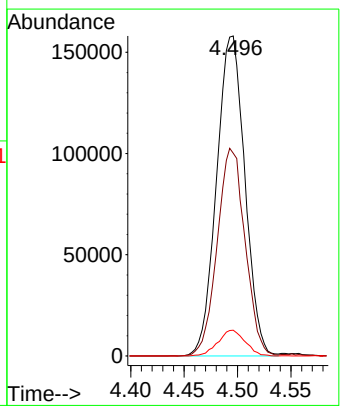
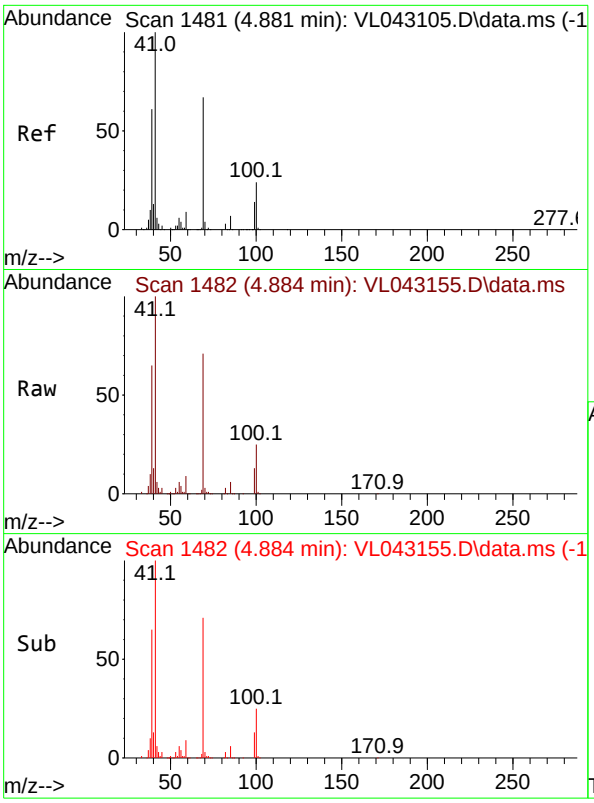


#42
Bromodichloromethane
Concen: 11.359 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 83 Resp: 291618

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8
127	8.1	6.3	9.5

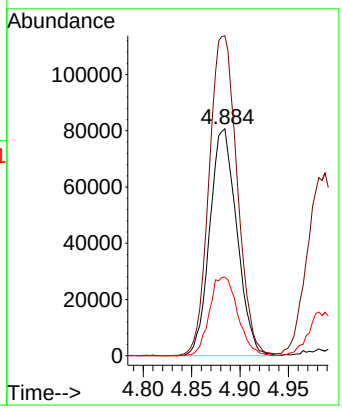




#43
Methyl Methacrylate
Concen: 9.624 ppbv
RT: 4.884 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 69 Resp: 15739

Ion	Ratio	Lower	Upper
69	100		
41	145.6	120.5	180.7
100	36.0	29.0	43.4



Instrument :
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ClientSampleId :
VSTDCCC010

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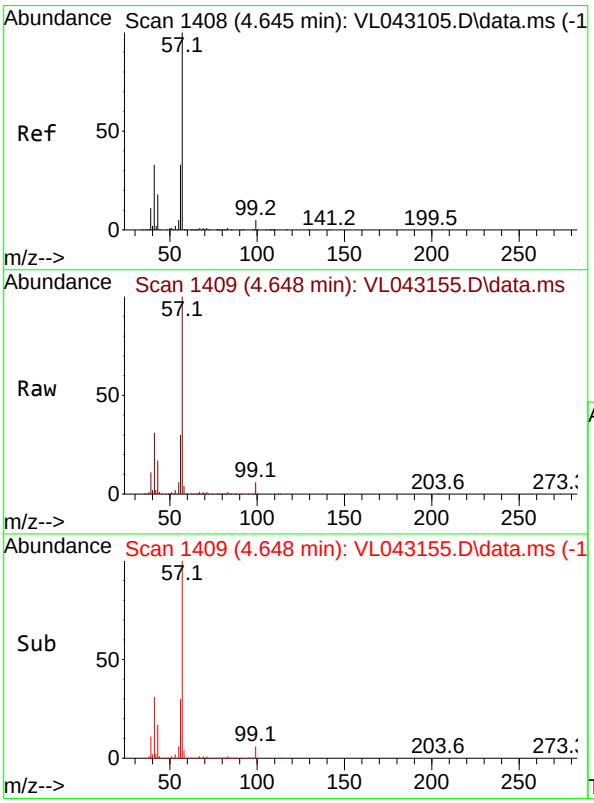
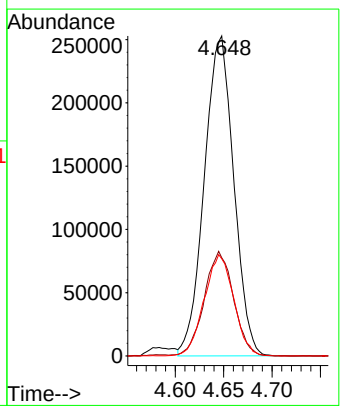
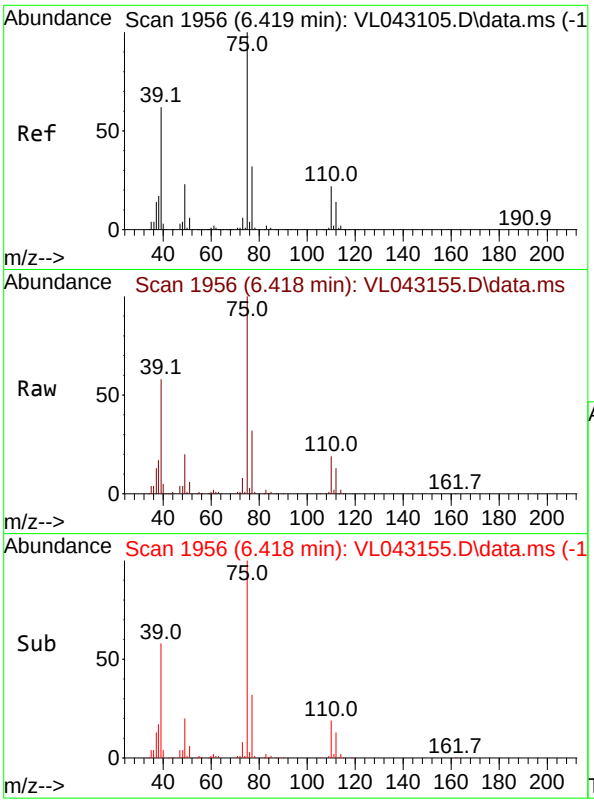


#44
2,2,4-Trimethylpentane
Concen: 9.853 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 57 Resp: 535251

Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.3	39.5
56	31.7	25.9	38.9

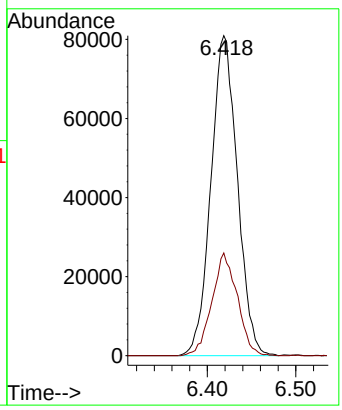




#45
t-1,3-Dichloropropene
Concen: 10.243 ppbv
RT: 6.418 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 75 Resp: 16811

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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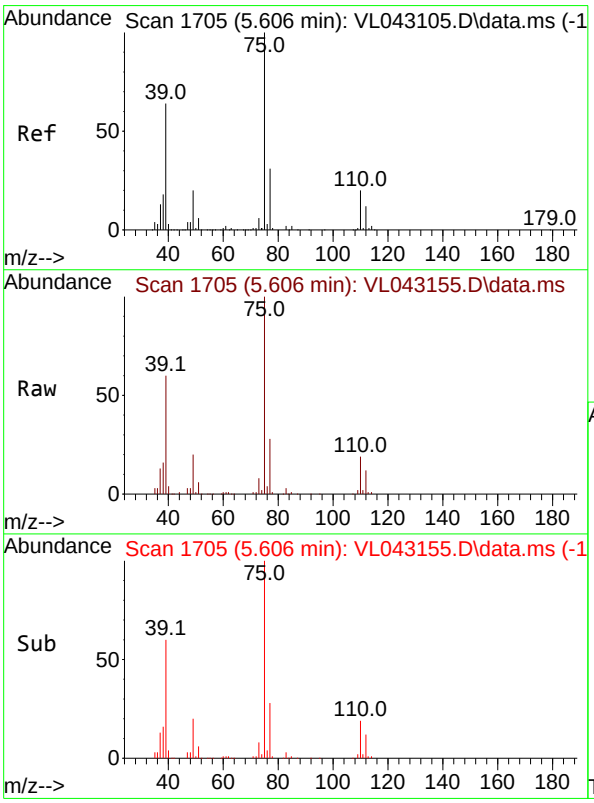
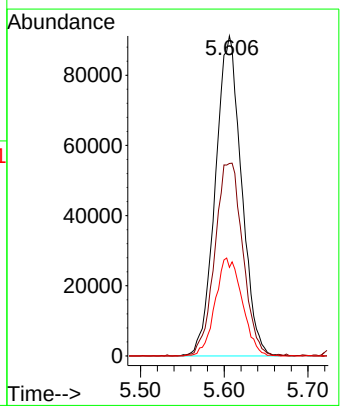
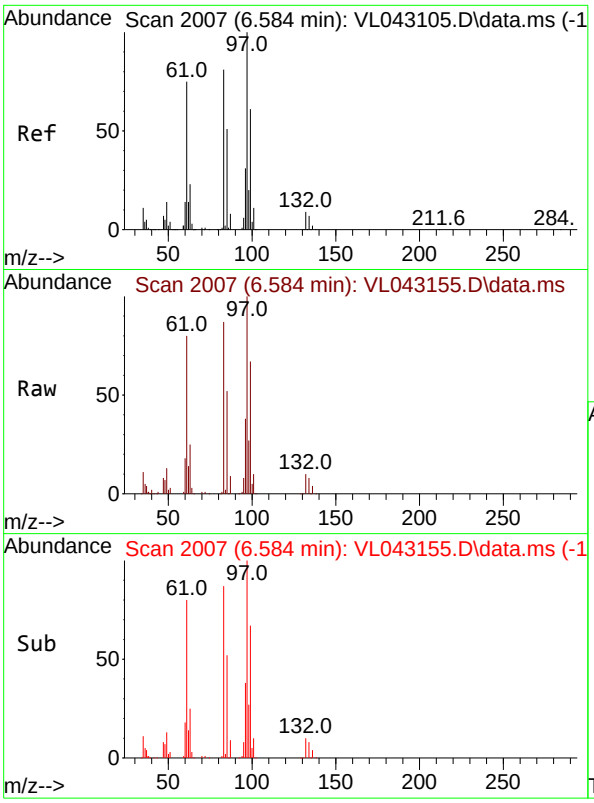


#46
cis-1,3-Dichloropropene
Concen: 10.086 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 75 Resp: 197738

Ion	Ratio	Lower	Upper
75	100		
39	60.1	51.0	76.6
77	27.7	25.0	37.4

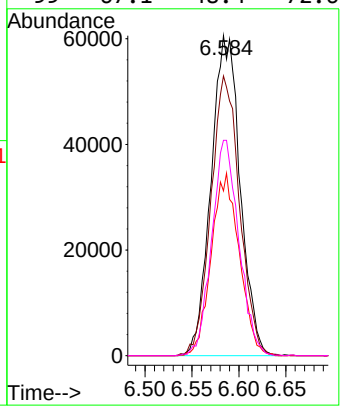




#47
1,1,2-Trichloroethane
Concen: 10.274 ppbv
RT: 6.584 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 97 Resp: 13060

Ion	Ratio	Lower	Upper
97	100		
83	87.2	64.6	96.8
85	51.5	40.6	60.8
99	67.1	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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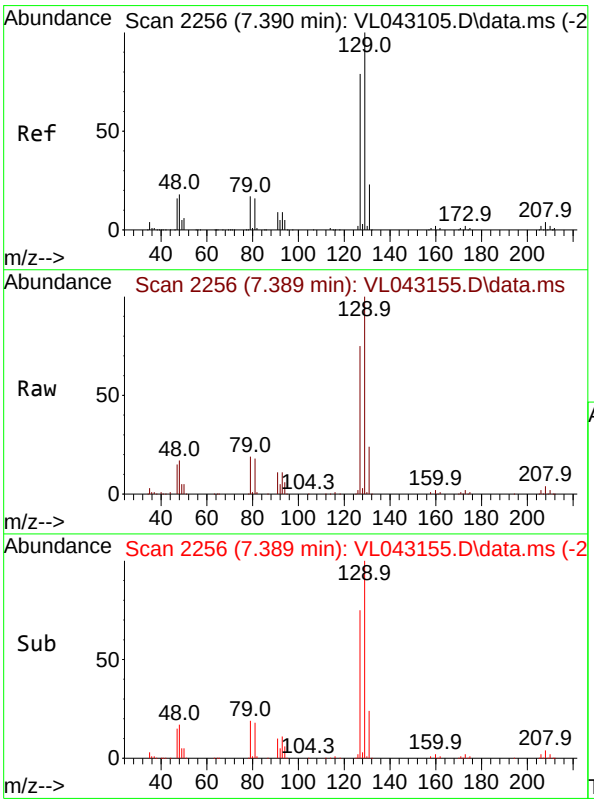
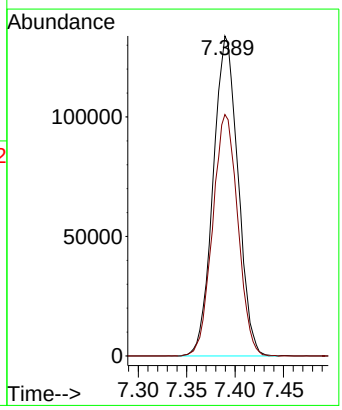
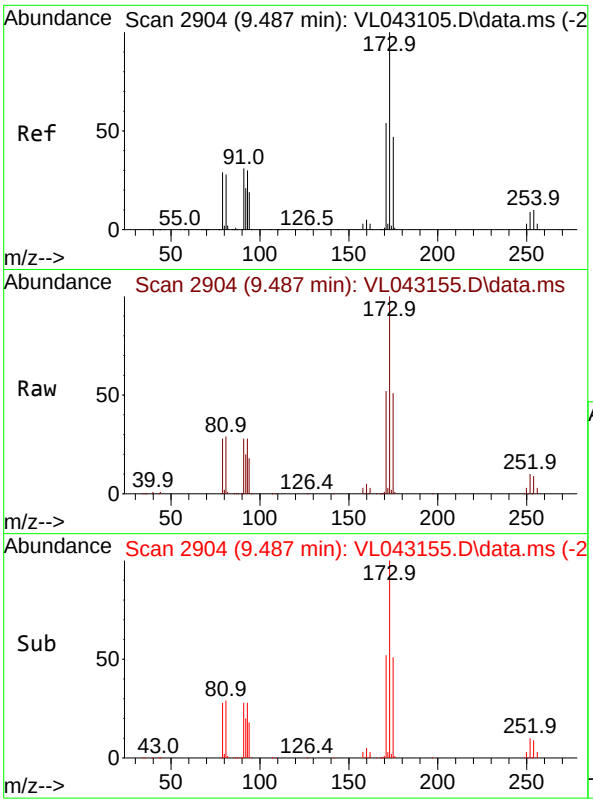


#48
Dibromochloromethane
Concen: 11.241 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:129 Resp: 238917

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.3	117.9

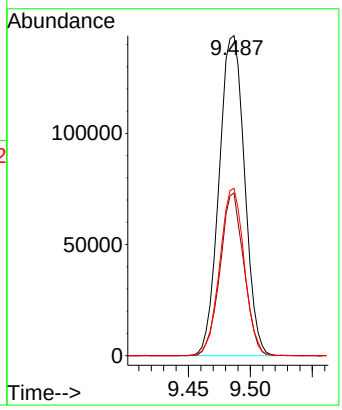




#49
Bromoform
Concen: 11.933 ppbv
RT: 9.487 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:173 Resp: 20616

Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.8	58.2
171	50.3	41.7	62.5



Instrument :
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ClientSampleId :
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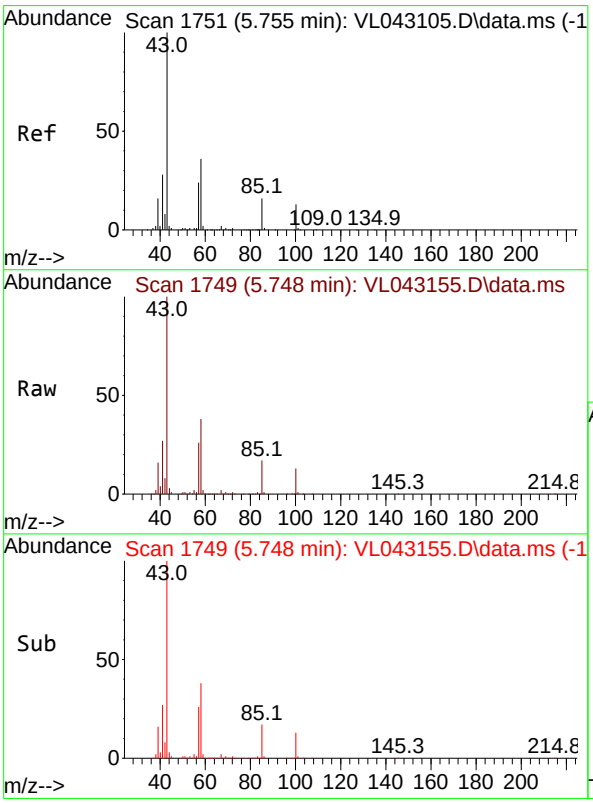
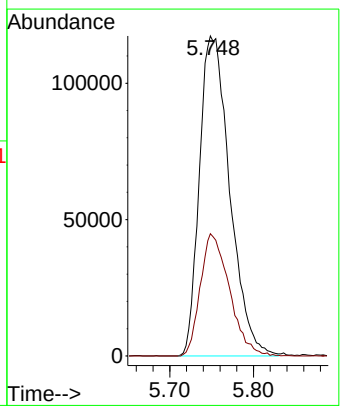
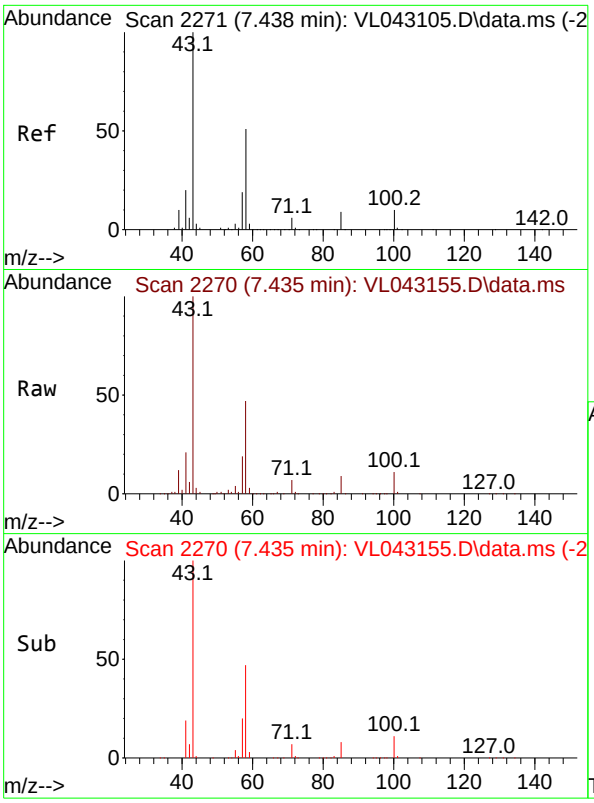


#50
4-Methyl-2-Pentanone
Concen: 9.331 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.007 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 43 Resp: 295948

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.1	43.7

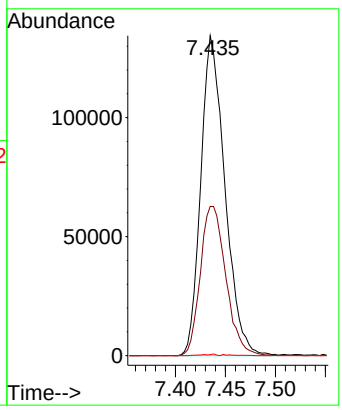




#51
2-Hexanone
Concen: 9.485 ppbv
RT: 7.435 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 43 Resp: 22562

Ion	Ratio	Lower	Upper
43	100		
58	49.4	40.4	60.6
98	0.5	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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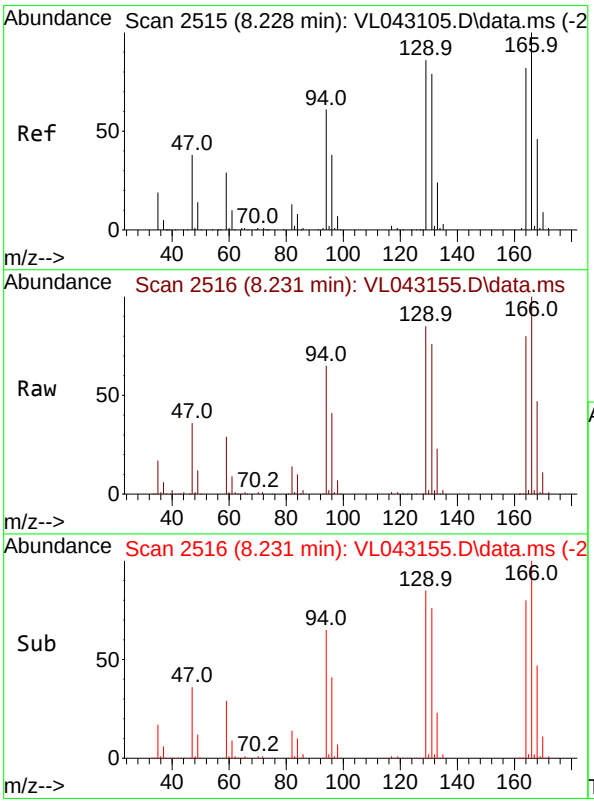
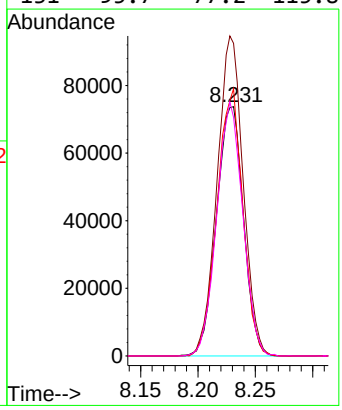
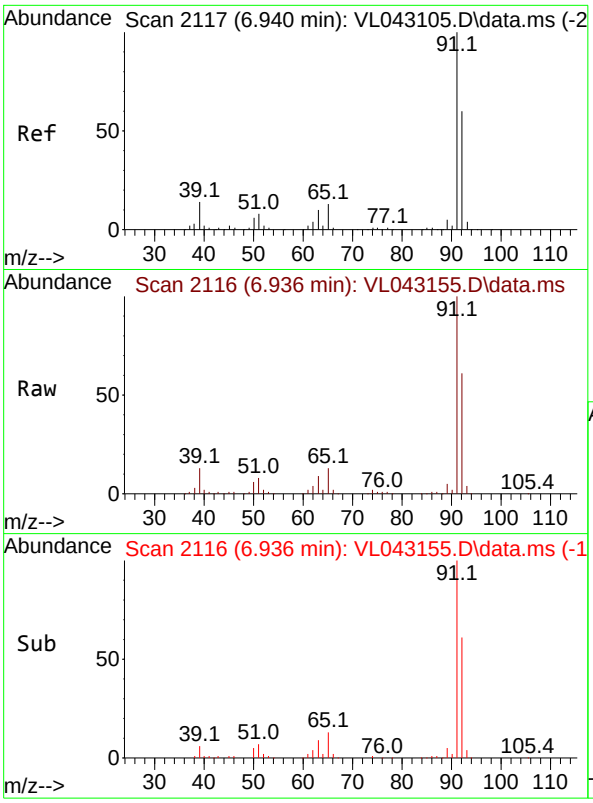


#52
Tetrachloroethene
Concen: 10.396 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:164 Resp: 120713

Ion	Ratio	Lower	Upper
164	100		
166	125.4	97.6	146.4
129	107.1	84.5	126.7
131	95.7	77.2	115.8

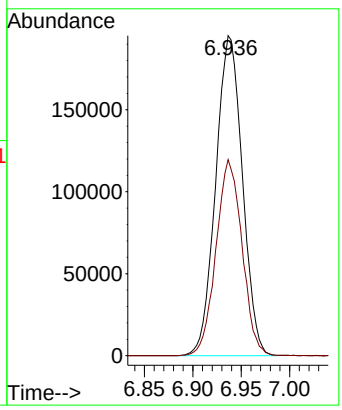




#53
Toluene
Concen: 9.805 ppbv
RT: 6.936 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 37471

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.8	73.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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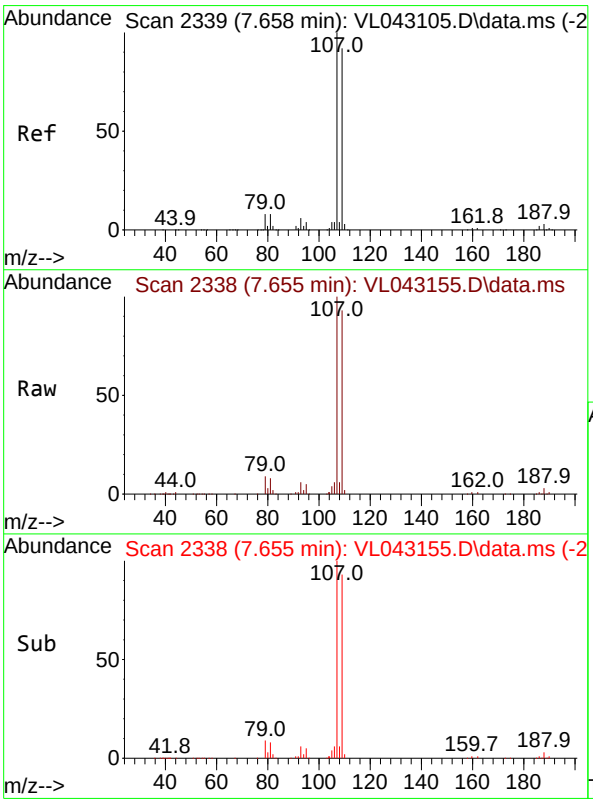
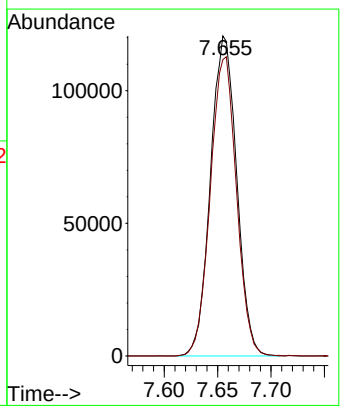
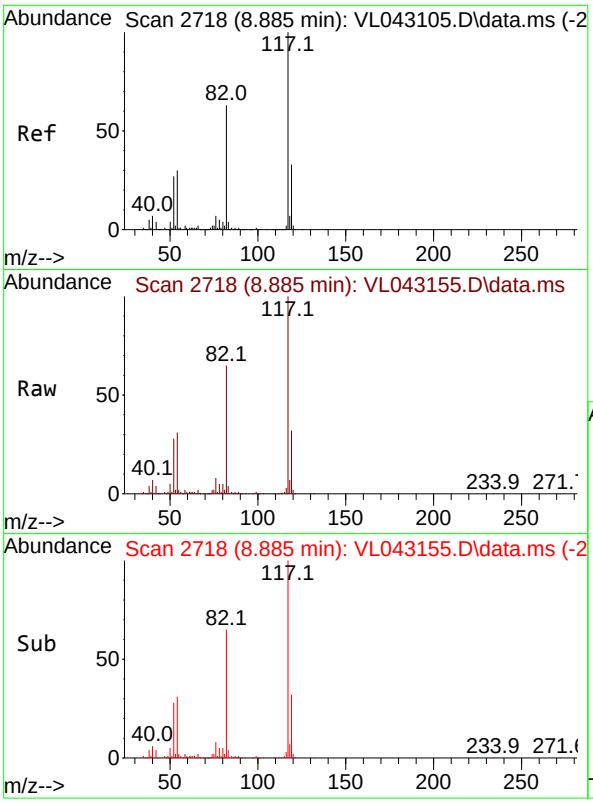


#54
1,2-Dibromoethane
Concen: 10.330 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:107 Resp: 205679

Ion	Ratio	Lower	Upper
107	100		
109	92.4	73.4	110.2

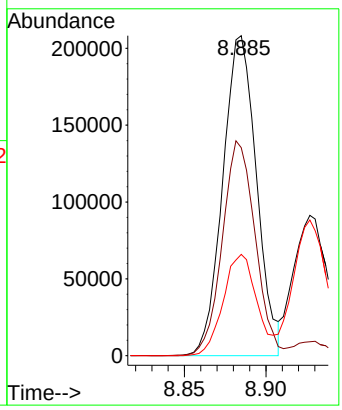




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:117 Resp: 29982

Ion	Ratio	Lower	Upper
117	100		
82	66.1	53.8	80.8
119	32.3	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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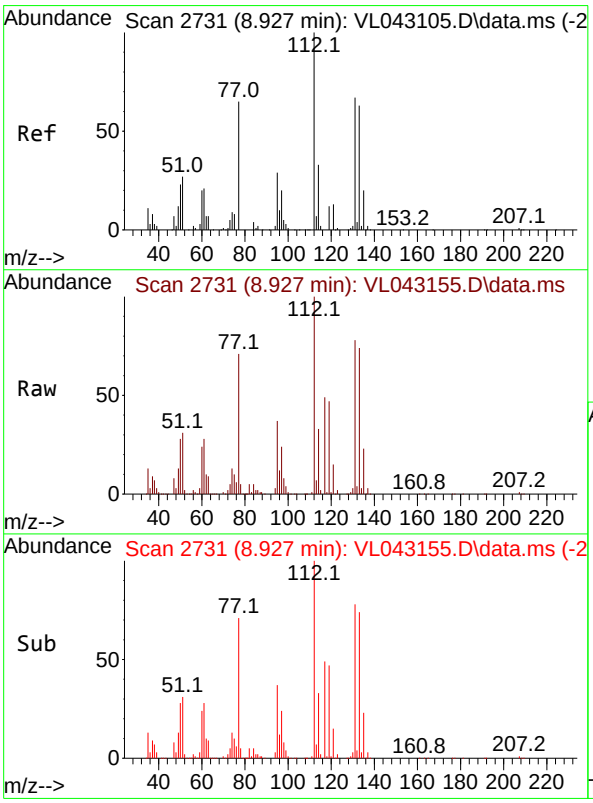
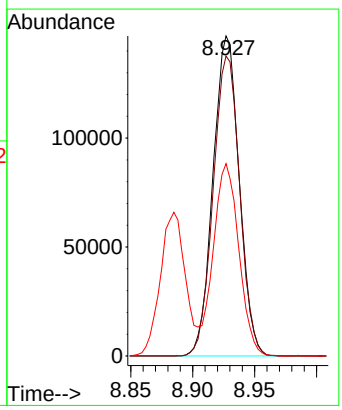
Supervised By :Mahesh Dadoda 11/10/2025

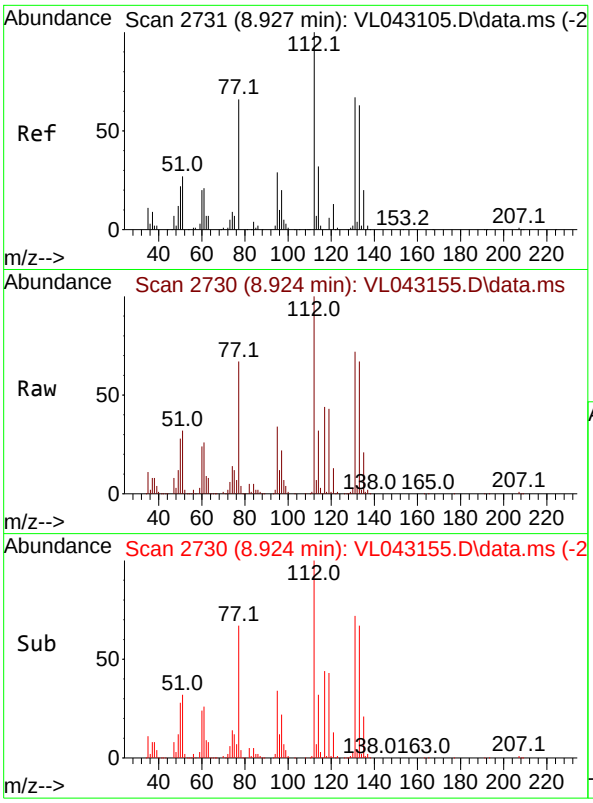


#56
1,1,1,2-Tetrachloroethane
Concen: 11.429 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:131 Resp: 216010

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.7	113.5
119	58.8	50.6	76.0

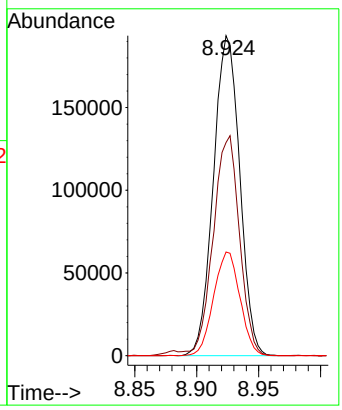




#57
Chlorobenzene
Concen: 10.228 ppbv
RT: 8.924 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:112 Resp: 28689

Ion	Ratio	Lower	Upper
112	100		
77	66.6	53.3	79.9
114	32.4	29.3	35.8



Instrument :
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ClientSampleId :
VSTDCCC010

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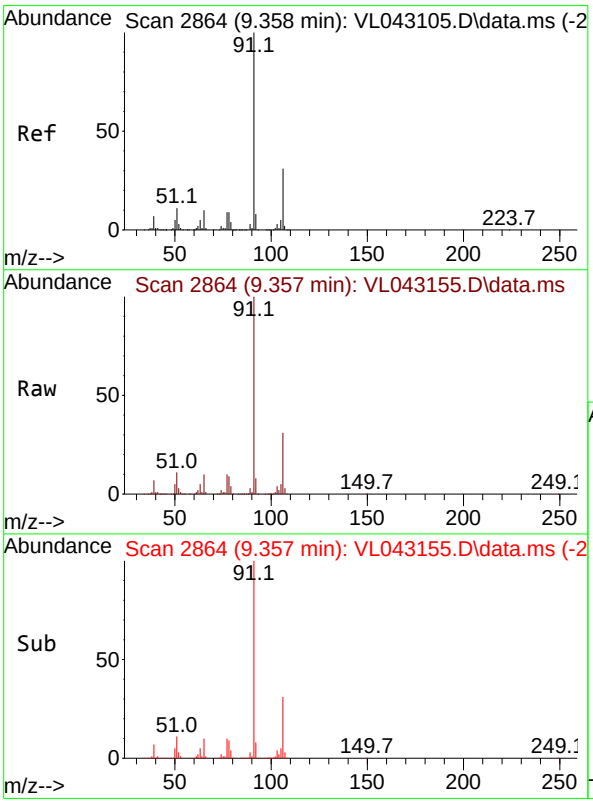
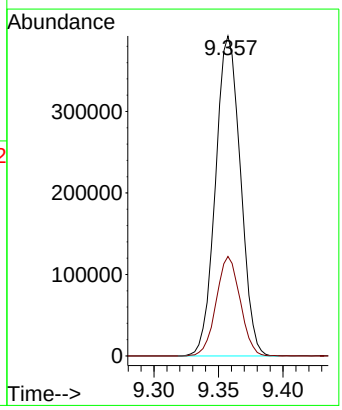
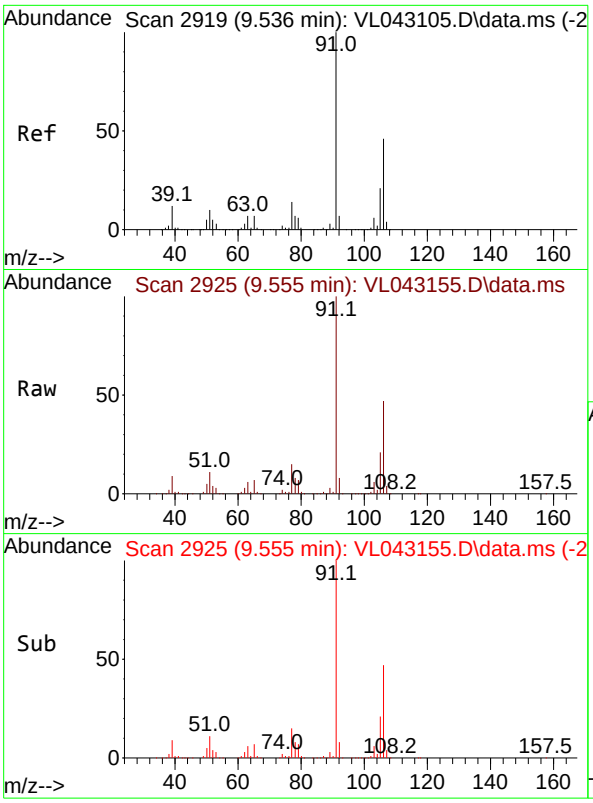


#58
Ethyl Benzene
Concen: 10.261 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 527991

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.8	37.2

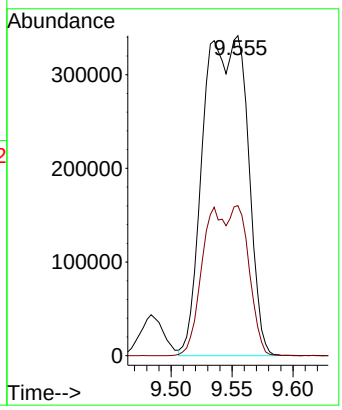




#59
m/p-Xylene
Concen: 21.062 ppbv m
RT: 9.555 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 86445

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0



Instrument :
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ClientSampleId :
VSTDCCC010

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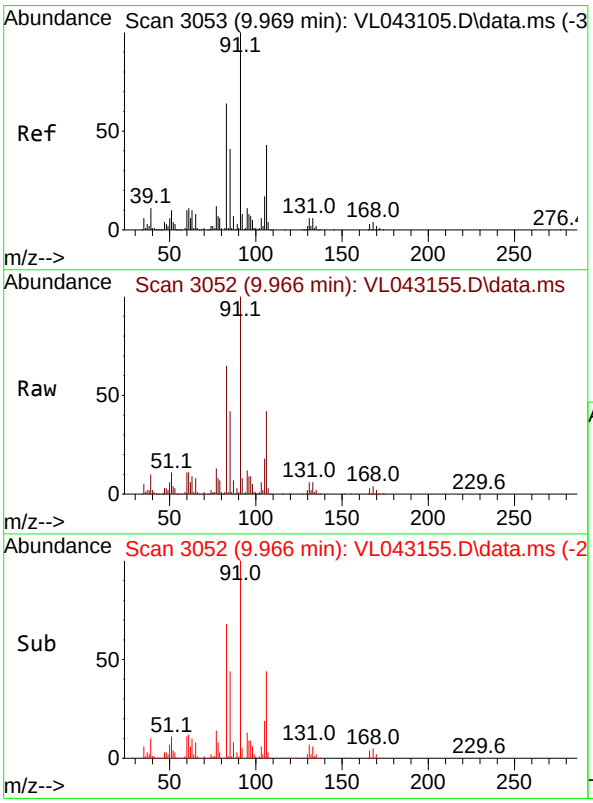
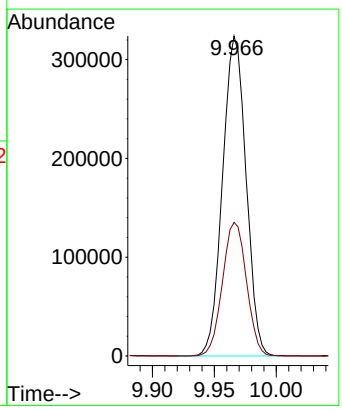
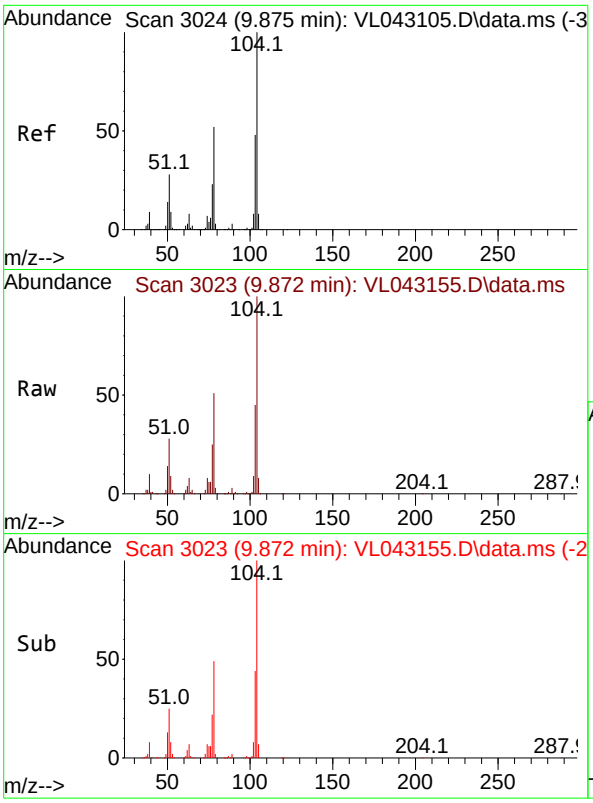


#60
o-Xylene
Concen: 10.565 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 428248

Ion	Ratio	Lower	Upper
91	100		
106	42.7	21.9	65.8

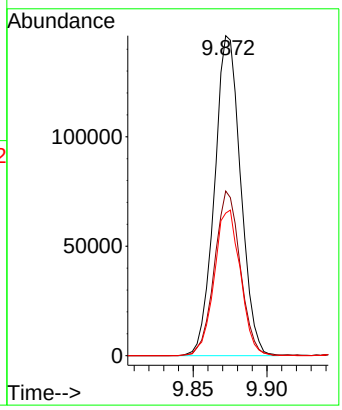




#61
Styrene
Concen: 9.839 ppbv
RT: 9.872 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:104 Resp: 18005

Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.2	60.2
103	45.9	36.9	55.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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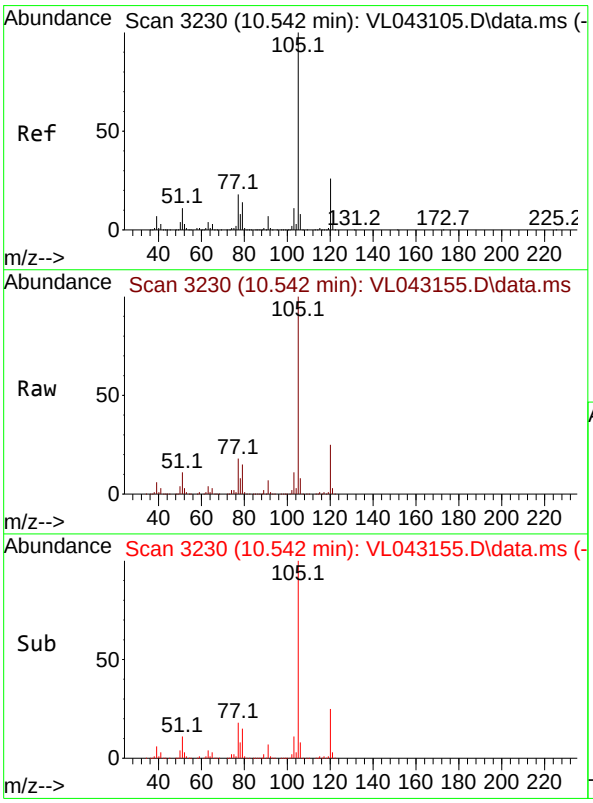
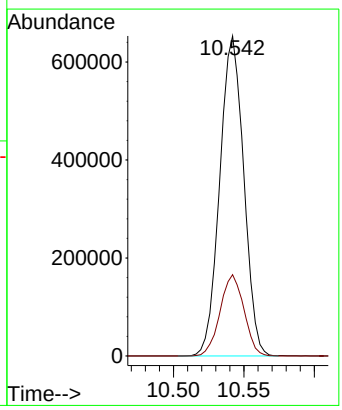
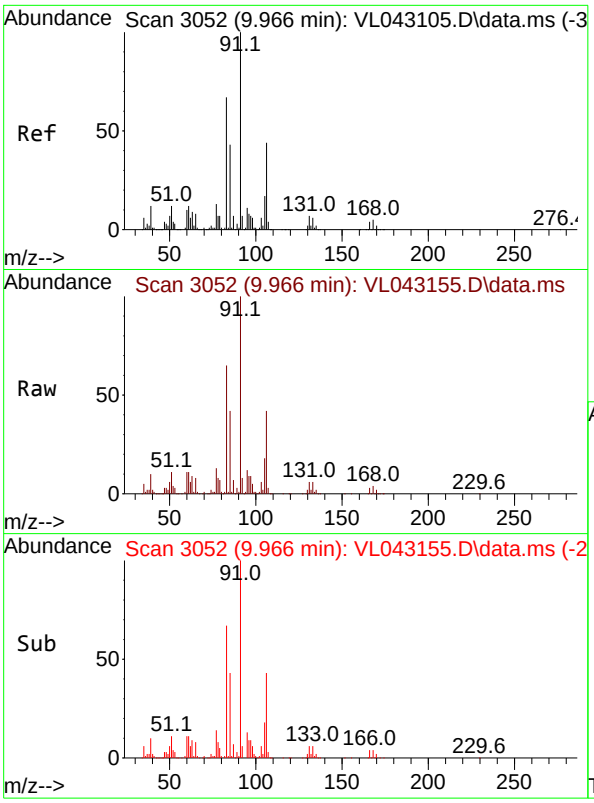


#62
Isopropylbenzene
Concen: 10.564 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:105 Resp: 773742

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.2	30.4

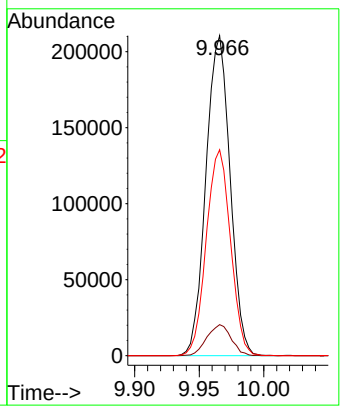




#63
1,1,2,2-Tetrachloroethane
Concen: 10.089 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 83 Resp: 27383

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	64.6	32.0	96.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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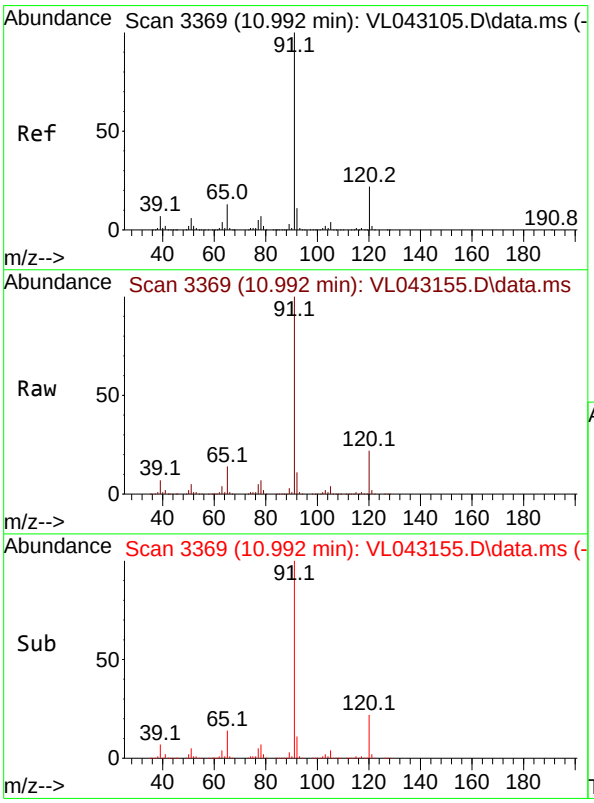
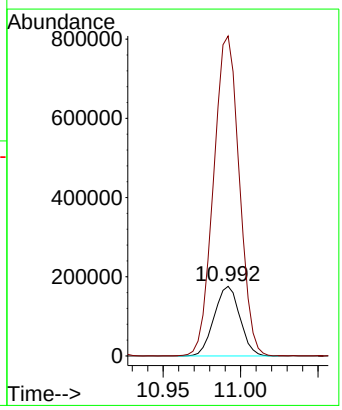
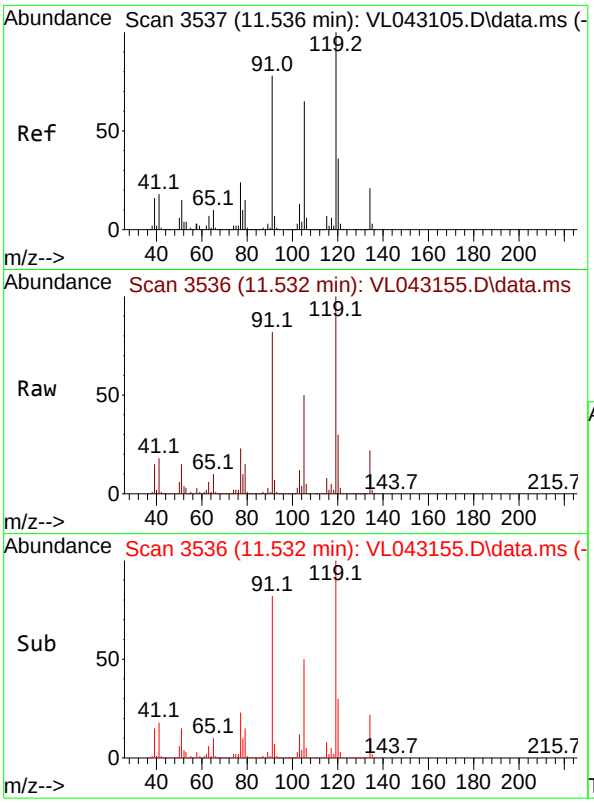


#64
n-propylbenzene
Concen: 10.438 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:120 Resp: 202414

Ion	Ratio	Lower	Upper
120	100		
91	462.2	361.6	542.4

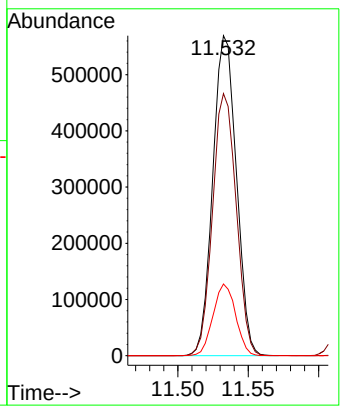




#65
tert-Butylbenzene
Concen: 10.266 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:119 Resp: 66402

Ion	Ratio	Lower	Upper
119	100		
91	82.1	63.4	95.0
134	21.5	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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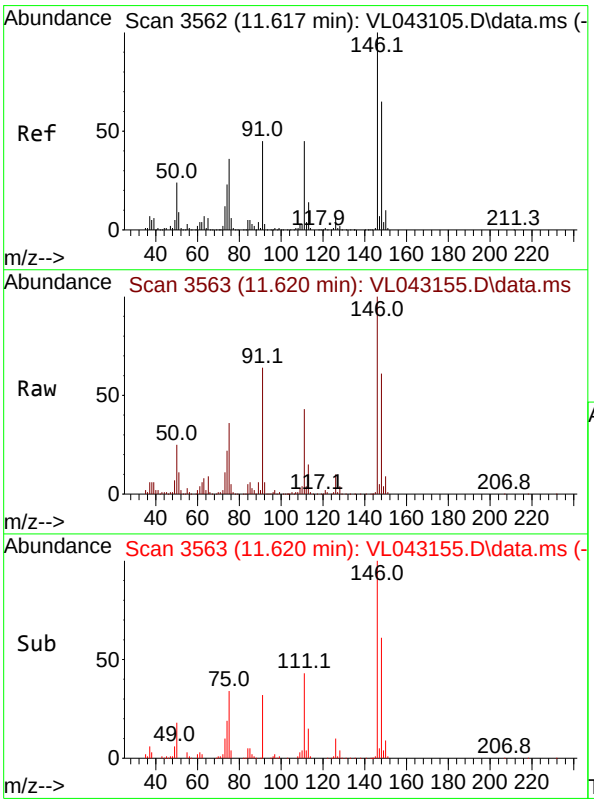
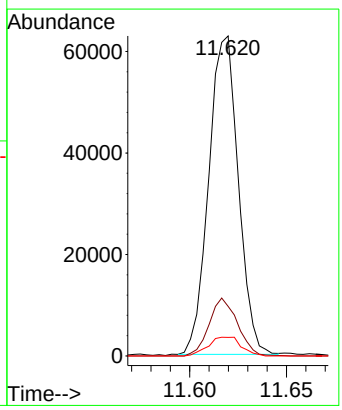
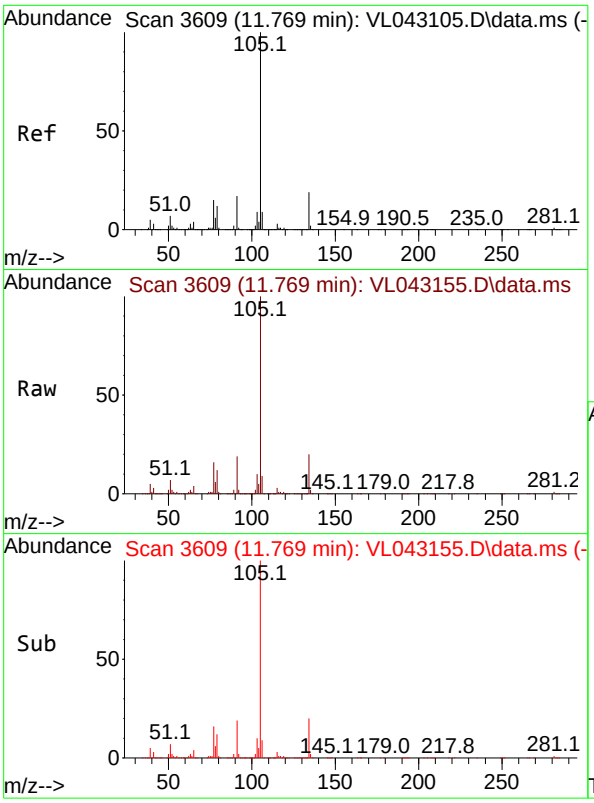


#66
Benzyl Chloride
Concen: 9.258 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 66651

Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.6	22.0
128	6.6	4.6	6.8

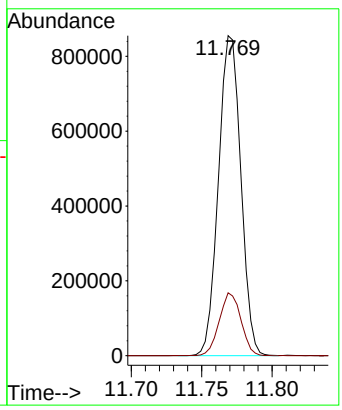




#67
sec-Butylbenzene
Concen: 10.327 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:105 Resp: 94802

Ion	Ratio	Lower	Upper
105	100		
134	19.1	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
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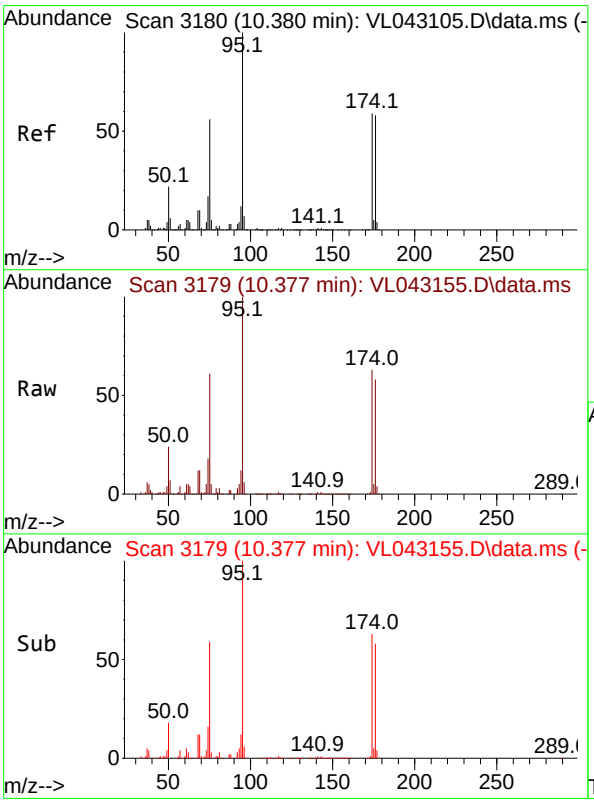
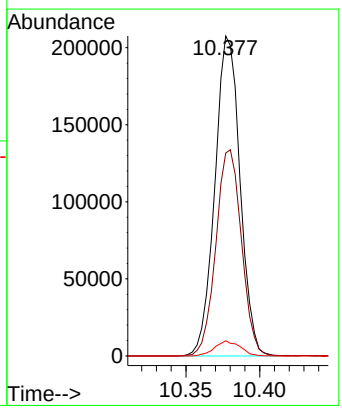
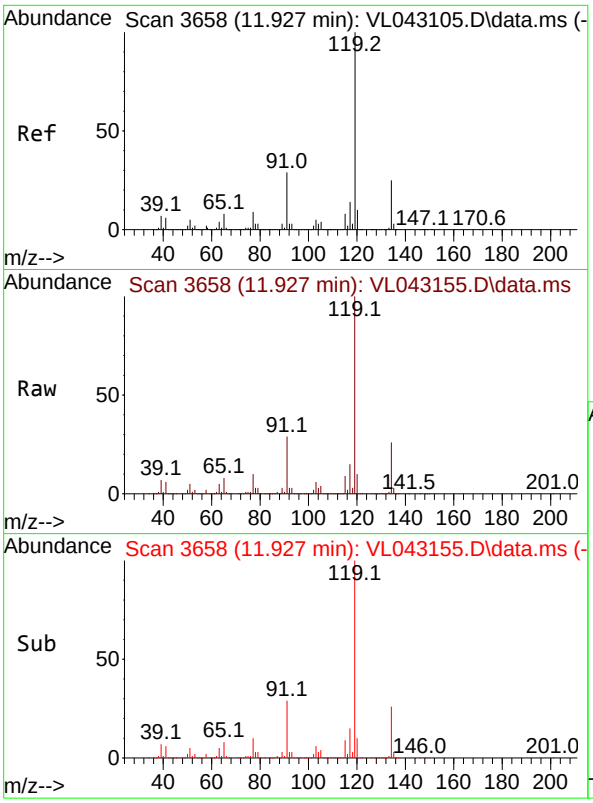


#68
1-Bromo-4-Fluorobenzene
Concen: 10.570 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 95 Resp: 246332

Ion	Ratio	Lower	Upper
95	100		
174	65.5	48.3	72.5
175	4.8	3.8	5.8

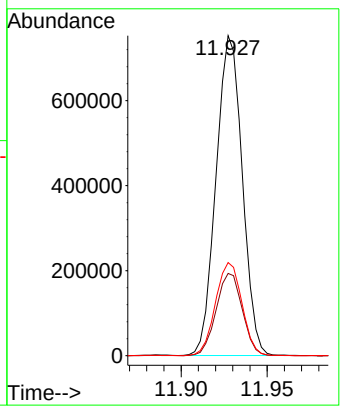




#69
p-Isopropyltoluene
Concen: 10.237 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:119 Resp: 79857

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.3	30.5
91	29.5	22.6	33.8



Instrument :
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ClientSampleId :
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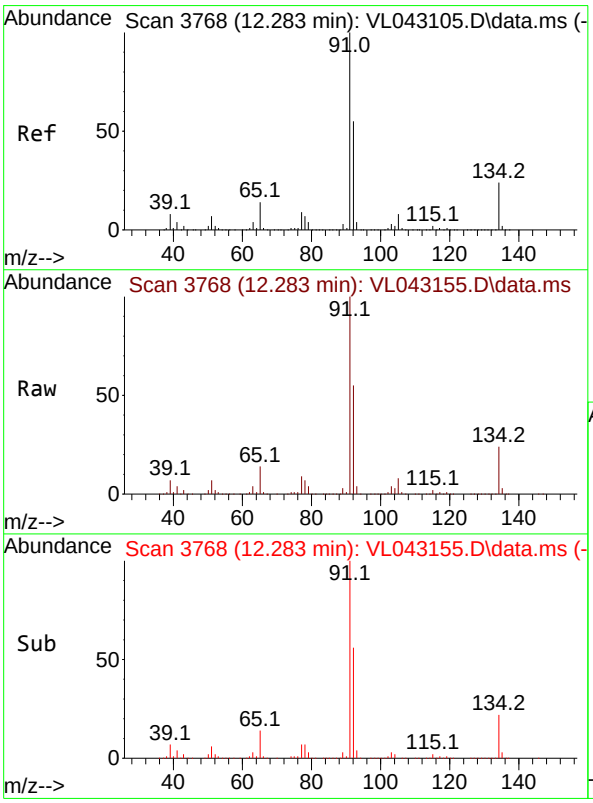
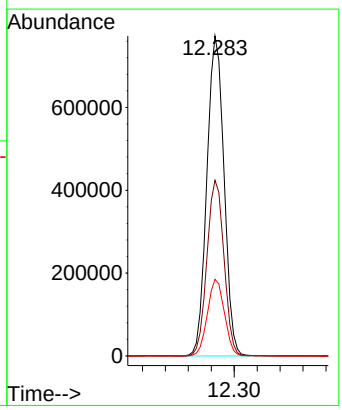
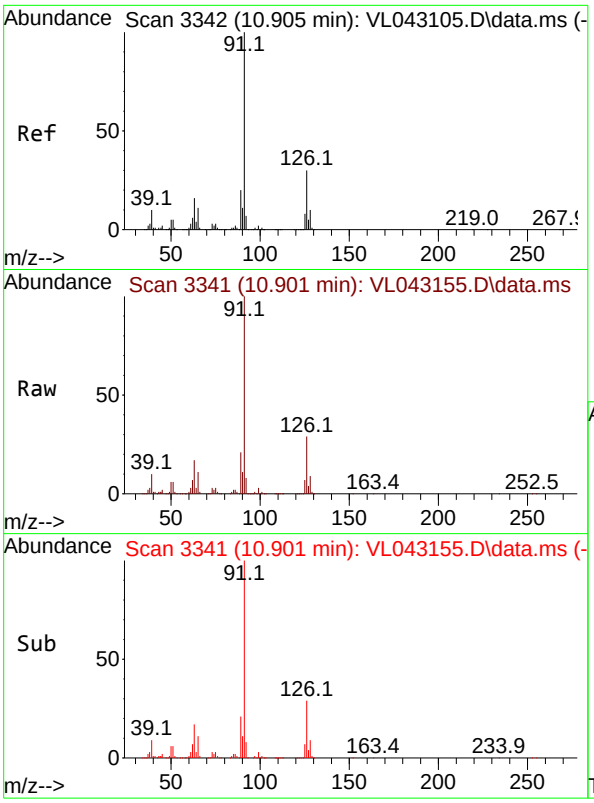


#70
n-Butylbenzene
Concen: 10.410 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 800217

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.5	66.7
134	23.8	19.3	28.9

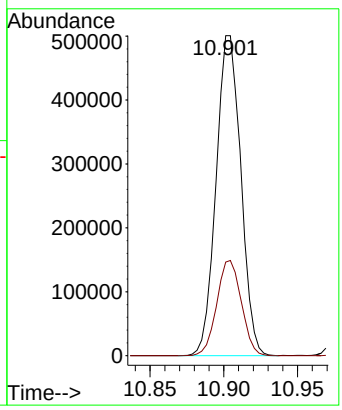




#71
2-Chlorotoluene
Concen: 10.461 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 58442

Ion	Ratio	Lower	Upper
91	100		
126	29.5	12.0	48.0



Instrument :
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ClientSampleId :
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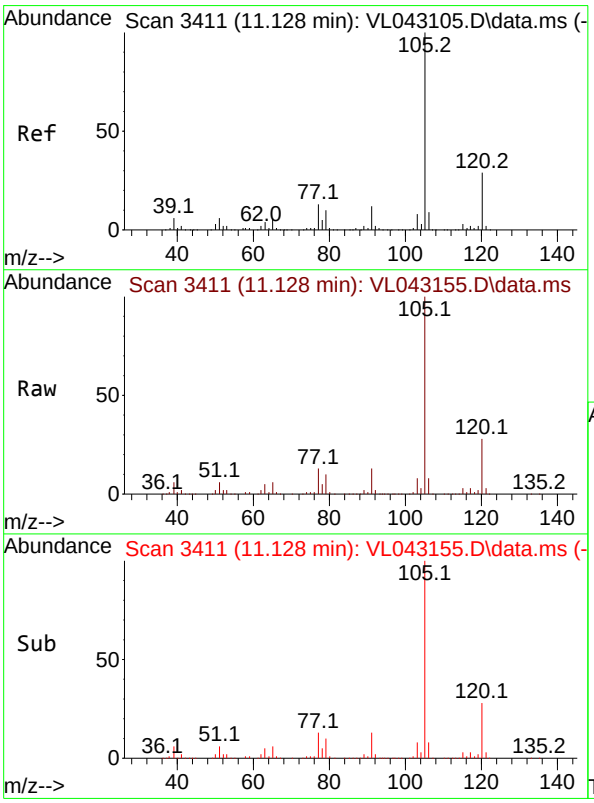
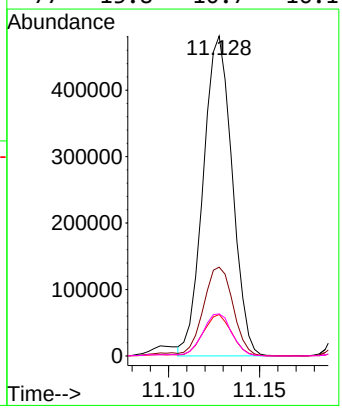
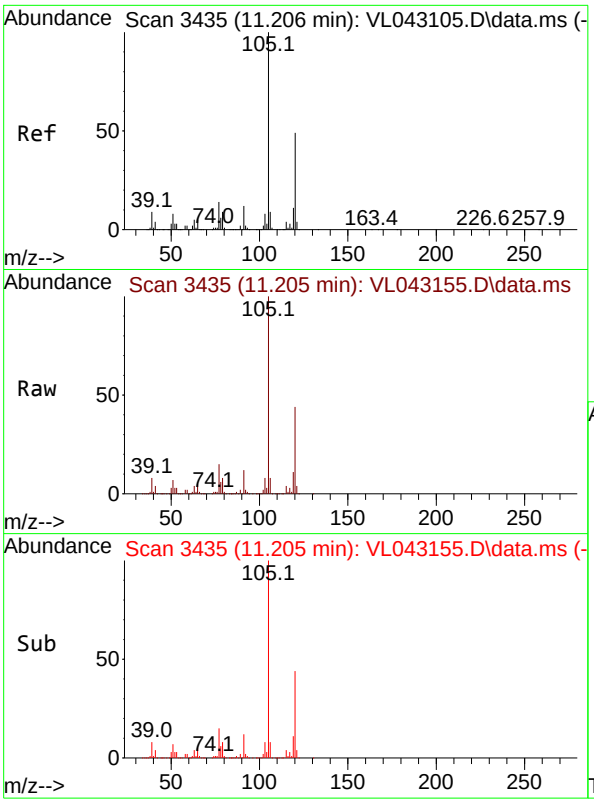


#72
4-Ethyltoluene
Concen: 10.693 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:105 Resp: 532971

Ion	Ratio	Lower	Upper
105	100		
120	29.3	24.2	36.4
91	13.3	10.0	15.0
77	13.8	10.7	16.1

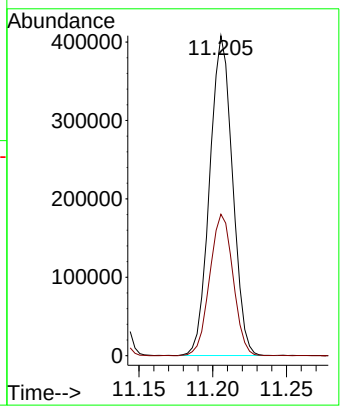




#73
1,3,5-Trimethylbenzene
Concen: 10.671 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:105 Resp: 43865

Ion	Ratio	Lower	Upper
105	100		
120	44.2	39.0	58.6



Instrument :
MSVOA_L
ClientSampleId :
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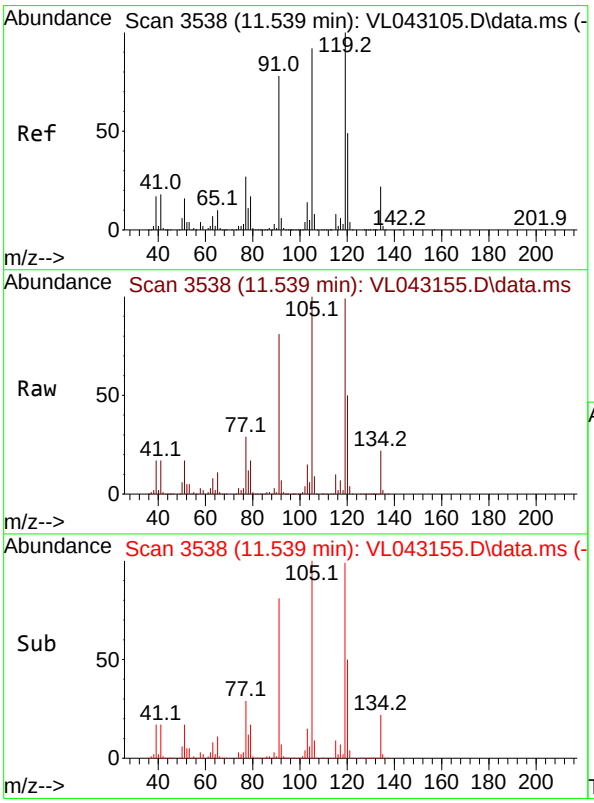
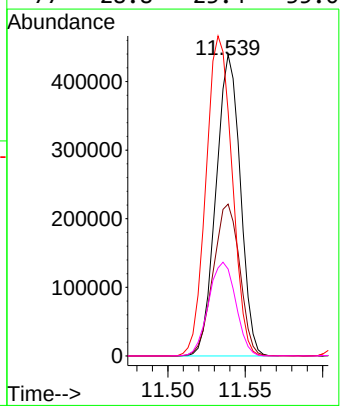
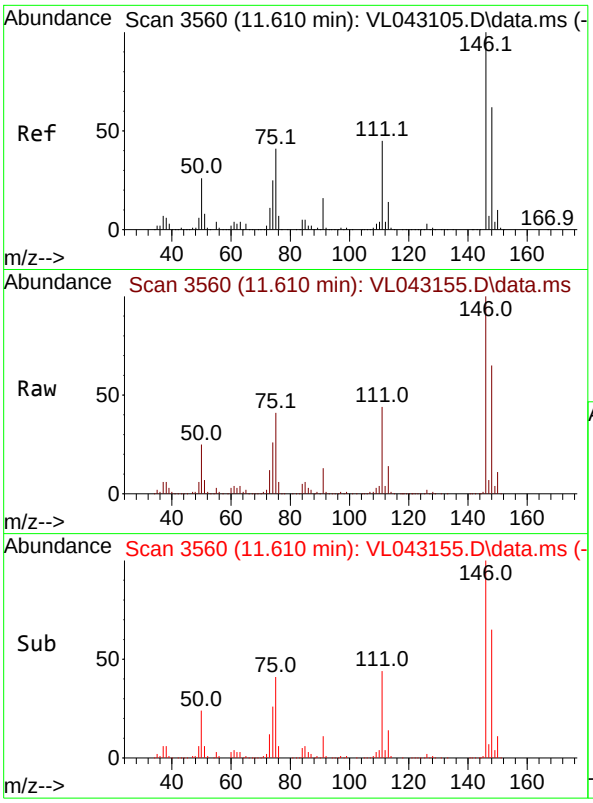


#74
1,2,4-Trimethylbenzene
Concen: 10.419 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:105 Resp: 479281

Ion	Ratio	Lower	Upper
105	100		
120	50.4	42.8	64.2
91	81.1	68.3	102.5
77	28.8	23.4	35.0

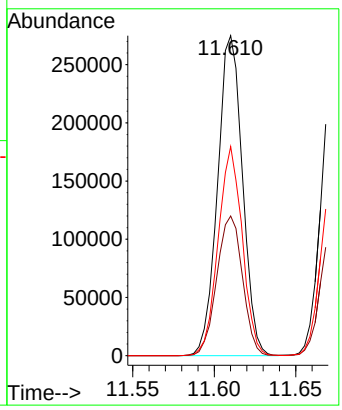




#75
1,3-Dichlorobenzene
Concen: 10.943 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:146 Resp: 29194

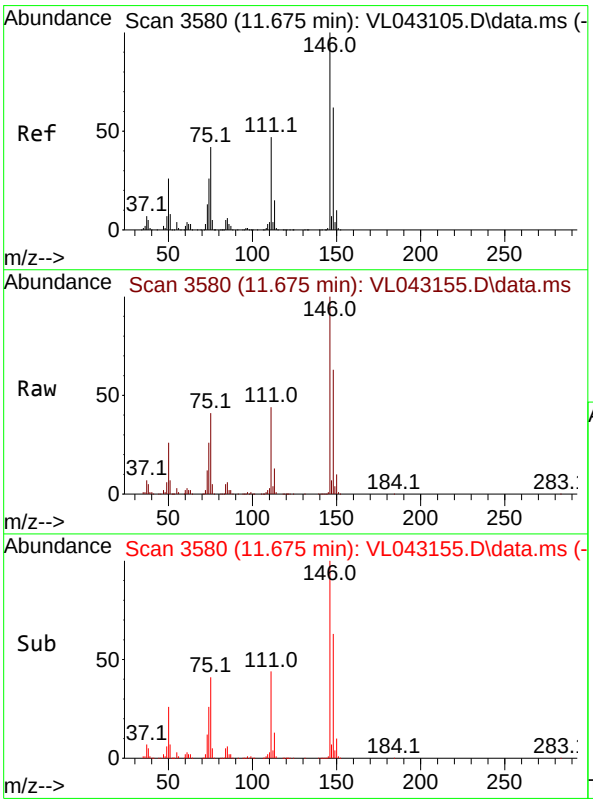
Ion	Ratio	Lower	Upper
146	100		
111	45.0	23.3	69.9
148	63.2	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

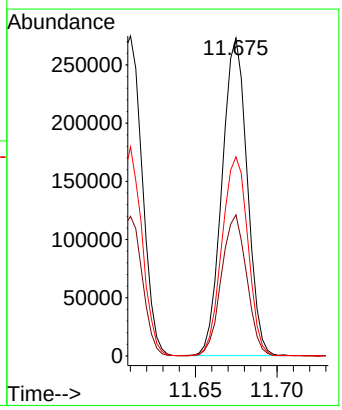
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

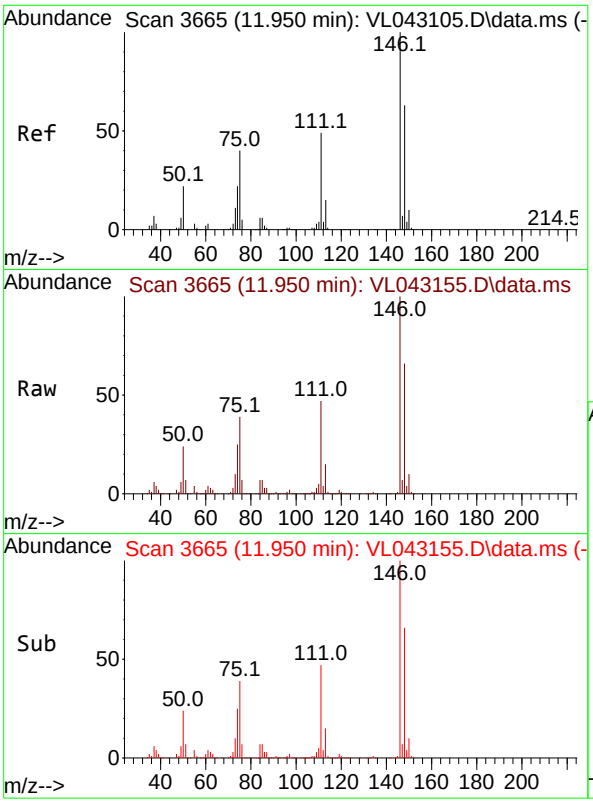


#76
1,4-Dichlorobenzene
Concen: 10.872 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:146 Resp: 292491

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.0
148	64.9	31.6	94.7

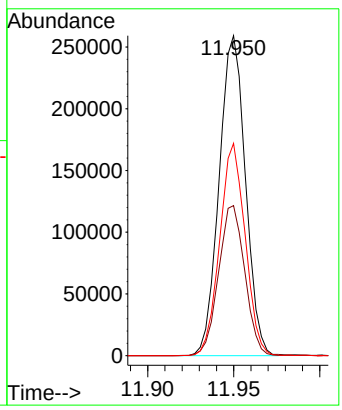




#77
1,2-Dichlorobenzene
Concen: 10.670 ppbv
RT: 11.950 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:146 Resp: 27540

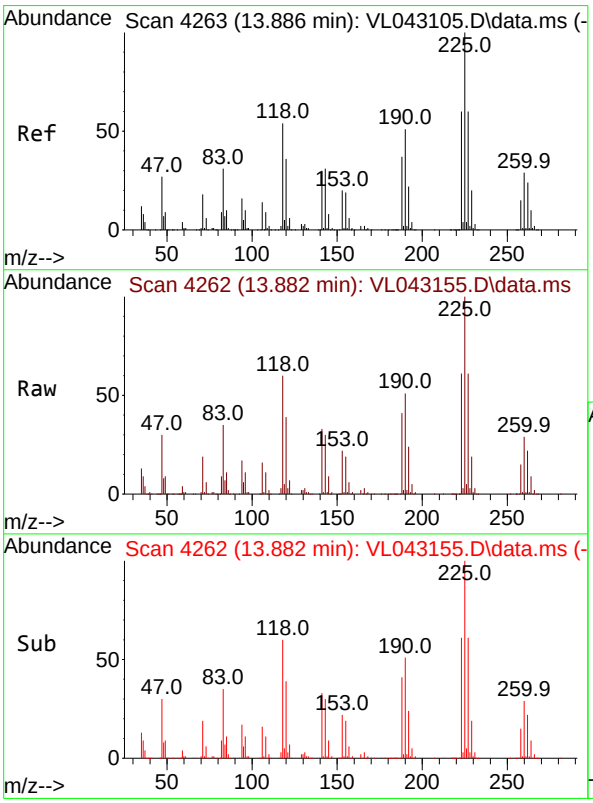
Ion	Ratio	Lower	Upper
146	100		
111	46.9	24.0	72.0
148	64.3	31.1	93.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

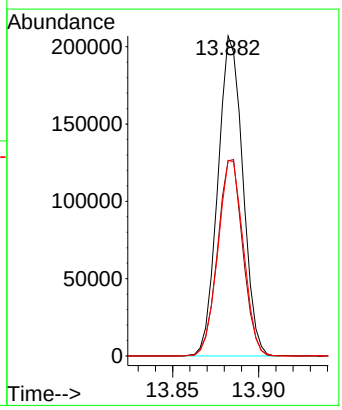
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

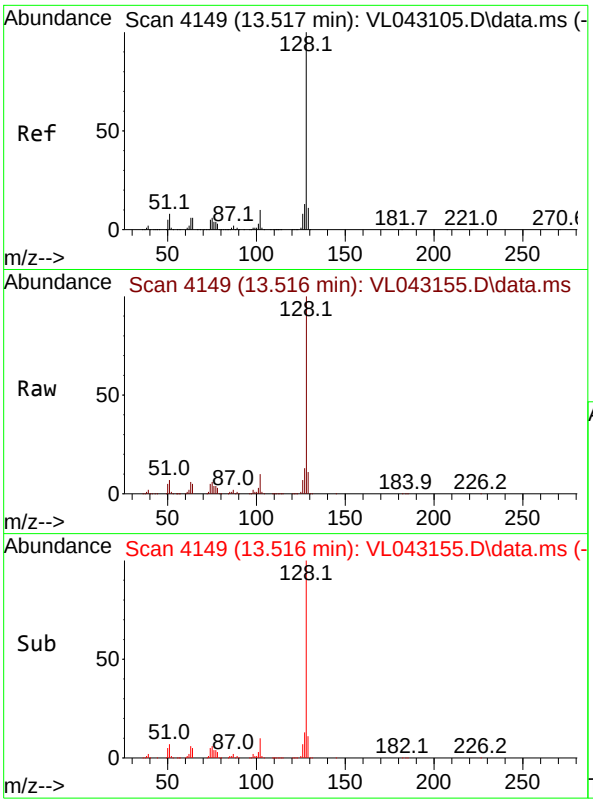


#78
Hexachloro-1,3-Butadiene
Concen: 10.417 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:225 Resp: 208179

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.2	75.4
227	62.5	49.6	74.4





#79
Naphthalene
Concen: 10.113 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

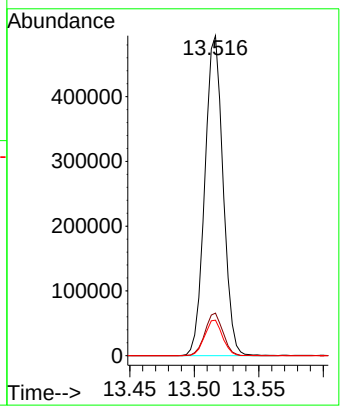
Tgt Ion:128 Resp: 48622

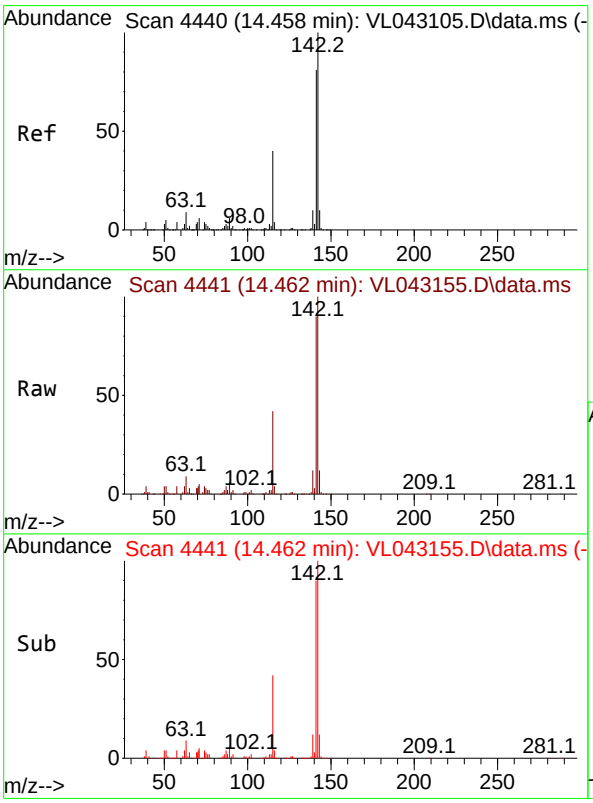
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.1	9.1	13.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

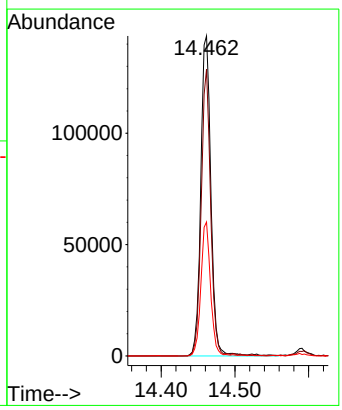


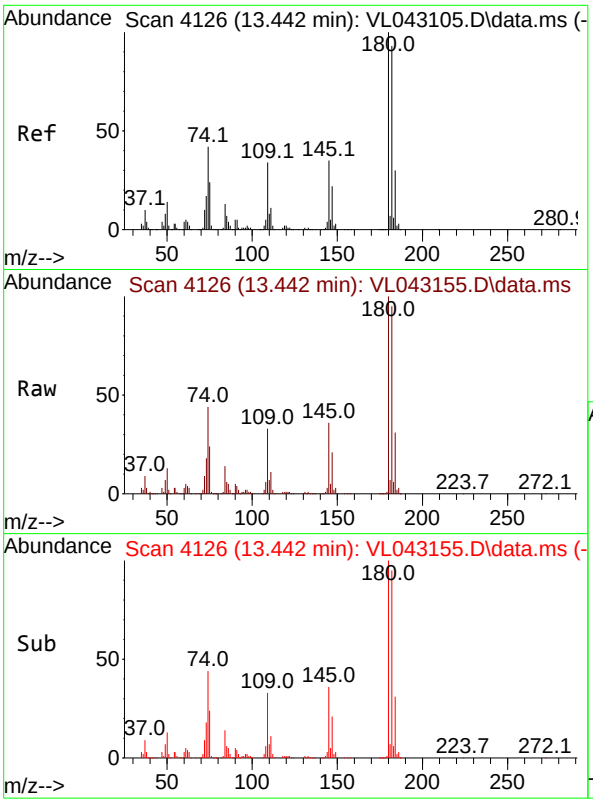


#80
Naphthalene,2-methyl-
Concen: 10.942 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:142 Resp: 137059

Ion	Ratio	Lower	Upper
142	100		
141	83.9	64.6	97.0
115	40.3	30.2	45.4

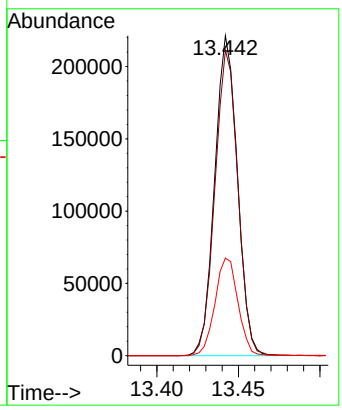




#81
1,2,4-Trichlorobenzene
Concen: 10.750 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:180 Resp: 21452

Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.5	113.3
184	30.9	23.9	35.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043155.D
Acq On : 06 Nov 2025 07:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 07 00:16:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	107	0.00
2	T	Dichlorodifluoromethane	1.422	1.540	-8.3	129	0.00
3		Chlorodifluoromethane	1.538	1.555	-1.1	115	0.00
4		Chloromethane	0.563	0.511	9.2	110	0.00
5	T	Vinyl Chloride	0.552	0.514	6.9	115	0.00
6	T	Bromomethane	0.303	0.317	-4.6	131	0.00
7		Chloroethane	0.226	0.206	8.8	115	0.00
8	T	Dichlorotetrafluoroethane	1.149	1.236	-7.6	128	0.00
9	T	Propene	0.682	0.571	16.3	94	0.00
10	T	Heptane	1.964	1.685	14.2	100	0.00
11	T	Trichlorofluoromethane	1.391	1.658	-19.2	143	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.120	1.290	-15.2	142	0.00
13		Ethanol	0.252	0.186	26.2	104	0.00
14	T	Bromoethene	0.416	0.447	-7.5	130	0.00
15	T	Acetone	1.348	1.223	9.3	120	0.00
16	T	1,3-Butadiene	0.642	0.564	12.1	110	0.00
17		tert-Butyl alcohol	1.850	1.830	1.1	116	0.00
18	T	1,1-Dichloroethene	0.488	0.538	-10.2	132	0.00
19	T	Isopropyl Alcohol	0.839	0.733	12.6	109	0.00
20	T	Methylene Chloride	0.533	0.467	12.4	124	0.00
21	T	Allyl Chloride	0.993	0.925	6.8	109	0.00
22	T	trans-1,2-Dichloroethene	0.583	0.623	-6.9	131	0.00
23	T	Vinyl Acetate	1.974	2.118	-7.3	140	0.00
24	T	1,1-Dichloroethane	1.127	1.188	-5.4	124	0.00
25	T	Ethyl Acetate	3.342	3.159	5.5	108	0.00
26	T	Hexane	1.540	1.464	4.9	112	0.00
27	T	Carbon Disulfide	1.411	1.508	-6.9	123	0.00
28	T	Methyl tert-Butyl Ether	0.701	0.712	-1.6	130	0.00
29	T	Chloroform	2.232	2.437	-9.2	129	0.00
30	T	Cyclohexane	1.344	1.256	6.5	111	0.00
31	T	cis-1,2-Dichloroethene	1.471	1.509	-2.6	115	0.00
32	T	1,1,1-Trichloroethane	2.324	2.520	-8.4	127	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
34	T	2-Butanone	0.672	0.688	-2.4	114	0.00
35	T	Carbon Tetrachloride	0.719	0.852	-18.5	131	0.00
36	T	Benzene	0.942	0.956	-1.5	110	0.00
37	T	1,2-Dichloroethane	0.543	0.624	-14.9	129	0.00
38	T	Trichloroethene	0.393	0.379	3.6	111	0.00
39	T	1,2-Dichloropropane	0.344	0.343	0.3	108	0.00
40	T	1,4-Dioxane	0.154	0.148	3.9	105	0.00
41	T	Tetrahydrofuran	0.376	0.348	7.4	102	0.00
42	T	Bromodichloromethane	0.751	0.853	-13.6	122	0.00
43		Methyl Methacrylate	0.478	0.460	3.8	102	0.00
44	T	2,2,4-Trimethylpentane	1.589	1.566	1.4	107	0.00
45	T	t-1,3-Dichloropropene	0.480	0.492	-2.5	106	0.00
46	T	cis-1,3-Dichloropropene	0.573	0.578	-0.9	106	0.00
47	T	1,1,2-Trichloroethane	0.372	0.382	-2.7	113	0.00
48	T	Dibromochloromethane	0.622	0.699	-12.4	119	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043155.D
Acq On : 06 Nov 2025 07:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 07 00:16:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.505	0.603	-19.4	124	0.00
50	T	4-Methyl-2-Pentanone	0.928	0.866	6.7	99	0.00
51	T	2-Hexanone	0.696	0.660	5.2	95	0.00
52	T	Tetrachloroethene	0.340	0.353	-3.8	113	0.00
53	T	Toluene	1.118	1.096	2.0	106	0.00
54	T	1,2-Dibromoethane	0.582	0.602	-3.4	113	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
56		1,1,1,2-Tetrachloroethane	0.630	0.720	-14.3	118	0.00
57	T	Chlorobenzene	0.936	0.957	-2.2	109	0.00
58	T	Ethyl Benzene	1.716	1.761	-2.6	107	0.00
59	T	m/p-Xylene	1.369	1.442	-5.3	113	0.02
60	T	o-Xylene	1.352	1.428	-5.6	113	0.00
61	T	Styrene	0.610	0.601	1.5	101	0.00
62		Isopropylbenzene	2.443	2.581	-5.6	112	0.00
63	T	1,1,2,2-Tetrachloroethane	0.905	0.913	-0.9	114	0.00
64		n-propylbenzene	0.647	0.675	-4.3	111	0.00
65		tert-Butylbenzene	2.157	2.215	-2.7	113	0.00
66	T	Benzyl Chloride	0.240	0.222	7.5	89	0.00
67		sec-Butylbenzene	3.062	3.162	-3.3	114	0.00
68	S	1-Bromo-4-Fluorobenzene	0.777	0.822	-5.8	102	0.00
69		p-Isopropyltoluene	2.602	2.663	-2.3	111	0.00
70		n-Butylbenzene	2.564	2.669	-4.1	111	0.00
71		2-Chlorotoluene	1.863	1.949	-4.6	111	0.00
72	T	4-Ethyltoluene	1.662	1.778	-7.0	113	0.00
73	T	1,3,5-Trimethylbenzene	1.371	1.463	-6.7	113	0.00
74	T	1,2,4-Trimethylbenzene	1.534	1.599	-4.2	116	0.00
75	T	1,3-Dichlorobenzene	0.890	0.974	-9.4	115	0.00
76	T	1,4-Dichlorobenzene	0.897	0.976	-8.8	115	0.00
77	T	1,2-Dichlorobenzene	0.861	0.919	-6.7	116	0.00
78	T	Hexachloro-1,3-Butadiene	0.667	0.694	-4.0	121	0.00
79	T	Naphthalene	1.604	1.622	-1.1	100	0.00
80	T	Naphthalene,2-methyl-	0.418	0.457	-9.3	93	0.00
81	T	1,2,4-Trichlorobenzene	0.666	0.715	-7.4	109	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\VL110625\
Data File : VL043155.D
Acq On : 06 Nov 2025 07:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 07 00:16:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	107	0.00
2	T	Dichlorodifluoromethane	10.000	10.832	-8.3	129	0.00
3		Chlorodifluoromethane	10.000	10.109	-1.1	115	0.00
4		Chloromethane	10.000	9.075	9.3	110	0.00
5	T	Vinyl Chloride	10.000	9.304	7.0	115	0.00
6	T	Bromomethane	10.000	10.482	-4.8	131	0.00
7		Chloroethane	10.000	9.123	8.8	115	0.00
8	T	Dichlorotetrafluoroethane	10.000	10.753	-7.5	128	0.00
9	T	Propene	10.000	8.370	16.3	94	0.00
10	T	Heptane	10.000	8.579	14.2	100	0.00
11	T	Trichlorofluoromethane	10.000	11.925	-19.3	143	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	11.519	-15.2	142	0.00
13		Ethanol	10.000	7.389	26.1	104	0.00
14	T	Bromoethene	10.000	10.750	-7.5	130	0.00
15	T	Acetone	10.000	9.072	9.3	120	0.00
16	T	1,3-Butadiene	10.000	8.785	12.1	110	0.00
17		tert-Butyl alcohol	10.000	9.889	1.1	116	0.00
18	T	1,1-Dichloroethene	10.000	11.030	-10.3	132	0.00
19	T	Isopropyl Alcohol	10.000	8.736	12.6	109	0.00
20	T	Methylene Chloride	10.000	8.774	12.3	124	0.00
21	T	Allyl Chloride	10.000	9.309	6.9	109	0.00
22	T	trans-1,2-Dichloroethene	10.000	10.686	-6.9	131	0.00
23	T	Vinyl Acetate	10.000	10.726	-7.3	140	0.00
24	T	1,1-Dichloroethane	10.000	10.535	-5.4	124	0.00
25	T	Ethyl Acetate	10.000	9.452	5.5	108	0.00
26	T	Hexane	10.000	9.508	4.9	112	0.00
27	T	Carbon Disulfide	10.000	10.684	-6.8	123	0.00
28	T	Methyl tert-Butyl Ether	10.000	10.158	-1.6	130	0.00
29	T	Chloroform	10.000	10.919	-9.2	129	0.00
30	T	Cyclohexane	10.000	9.341	6.6	111	0.00
31	T	cis-1,2-Dichloroethene	10.000	10.263	-2.6	115	0.00
32	T	1,1,1-Trichloroethane	10.000	10.844	-8.4	127	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
34	T	2-Butanone	10.000	10.242	-2.4	114	0.00
35	T	Carbon Tetrachloride	10.000	11.845	-18.5	131	0.00
36	T	Benzene	10.000	10.148	-1.5	110	0.00
37	T	1,2-Dichloroethane	10.000	11.493	-14.9	129	0.00
38	T	Trichloroethene	10.000	9.635	3.7	111	0.00
39	T	1,2-Dichloropropane	10.000	9.950	0.5	108	0.00
40	T	1,4-Dioxane	10.000	9.574	4.3	105	0.00
41	T	Tetrahydrofuran	10.000	9.267	7.3	102	0.00
42	T	Bromodichloromethane	10.000	11.359	-13.6	122	0.00
43		Methyl Methacrylate	10.000	9.624	3.8	102	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.853	1.5	107	0.00
45	T	t-1,3-Dichloropropene	10.000	10.243	-2.4	106	0.00
46	T	cis-1,3-Dichloropropene	10.000	10.086	-0.9	106	0.00
47	T	1,1,2-Trichloroethane	10.000	10.274	-2.7	113	0.00
48	T	Dibromochloromethane	10.000	11.241	-12.4	119	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043155.D
Acq On : 06 Nov 2025 07:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 07 00:16:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	11.933	-19.3	124	0.00
50	T	4-Methyl-2-Pentanone	10.000	9.331	6.7	99	0.00
51	T	2-Hexanone	10.000	9.485	5.2	95	0.00
52	T	Tetrachloroethene	10.000	10.396	-4.0	113	0.00
53	T	Toluene	10.000	9.805	2.0	106	0.00
54	T	1,2-Dibromoethane	10.000	10.330	-3.3	113	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	97	0.00
56		1,1,1,2-Tetrachloroethane	10.000	11.429	-14.3	118	0.00
57	T	Chlorobenzene	10.000	10.228	-2.3	109	0.00
58	T	Ethyl Benzene	10.000	10.261	-2.6	107	0.00
59	T	m/p-Xylene	20.000	21.062	-5.3	113	0.02
60	T	o-Xylene	10.000	10.565	-5.6	113	0.00
61	T	Styrene	10.000	9.839	1.6	101	0.00
62		Isopropylbenzene	10.000	10.564	-5.6	112	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	10.089	-0.9	114	0.00
64		n-propylbenzene	10.000	10.438	-4.4	111	0.00
65		tert-Butylbenzene	10.000	10.266	-2.7	113	0.00
66	T	Benzyl Chloride	10.000	9.258	7.4	89	0.00
67		sec-Butylbenzene	10.000	10.327	-3.3	114	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.570	-5.7	102	0.00
69		p-Isopropyltoluene	10.000	10.237	-2.4	111	0.00
70		n-Butylbenzene	10.000	10.410	-4.1	111	0.00
71		2-Chlorotoluene	10.000	10.461	-4.6	111	0.00
72	T	4-Ethyltoluene	10.000	10.693	-6.9	113	0.00
73	T	1,3,5-Trimethylbenzene	10.000	10.671	-6.7	113	0.00
74	T	1,2,4-Trimethylbenzene	10.000	10.419	-4.2	116	0.00
75	T	1,3-Dichlorobenzene	10.000	10.943	-9.4	115	0.00
76	T	1,4-Dichlorobenzene	10.000	10.872	-8.7	115	0.00
77	T	1,2-Dichlorobenzene	10.000	10.670	-6.7	116	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	10.417	-4.2	121	0.00
79	T	Naphthalene	10.000	10.113	-1.1	100	0.00
80	T	Naphthalene,2-methyl-	10.000	10.942	-9.4	93	0.00
81	T	1,2,4-Trichlorobenzene	10.000	10.750	-7.5	109	0.00

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

QC SAMPLE DATA

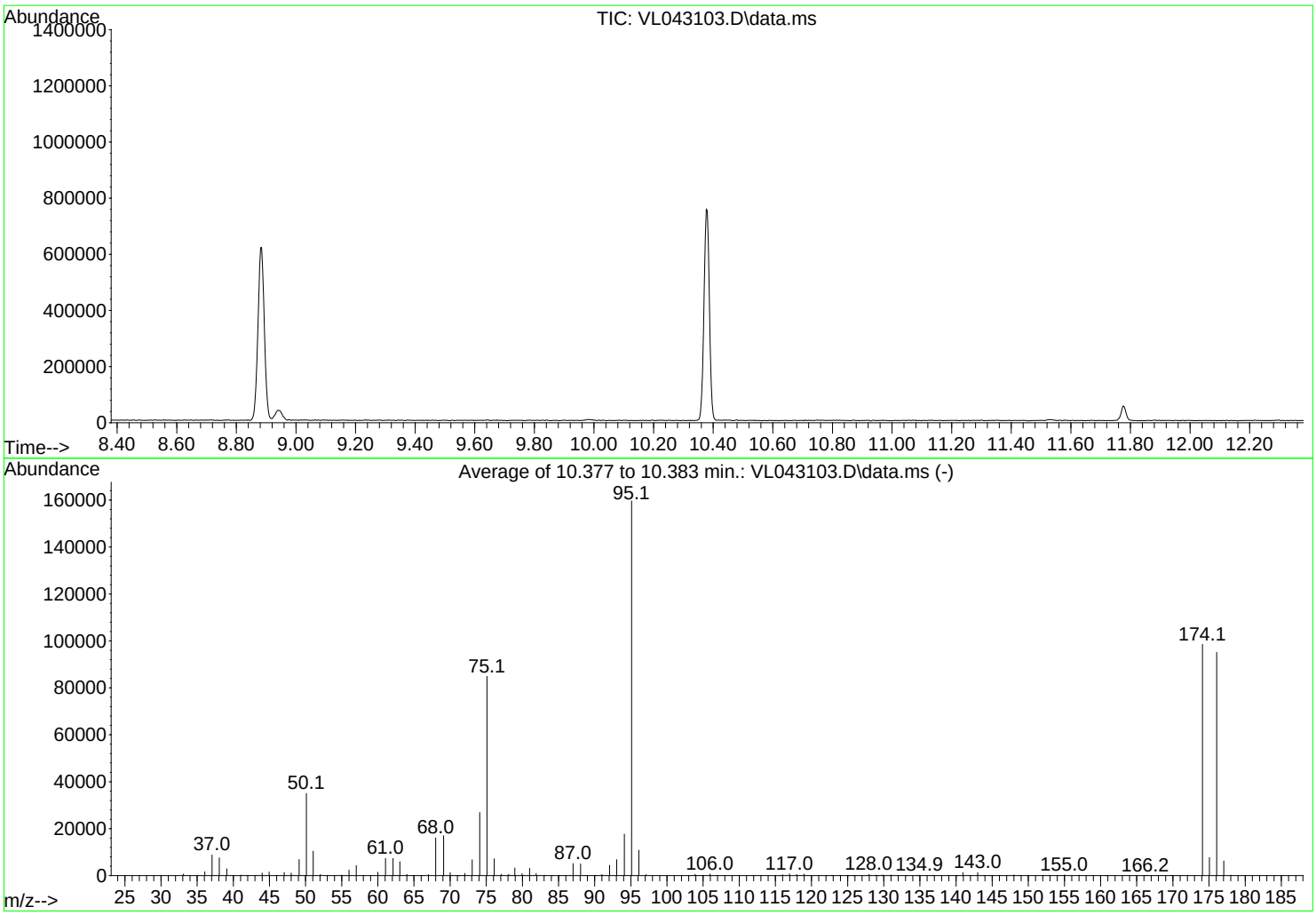
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043103.D
Acq On : 14 Oct 2025 08:42
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

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



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

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

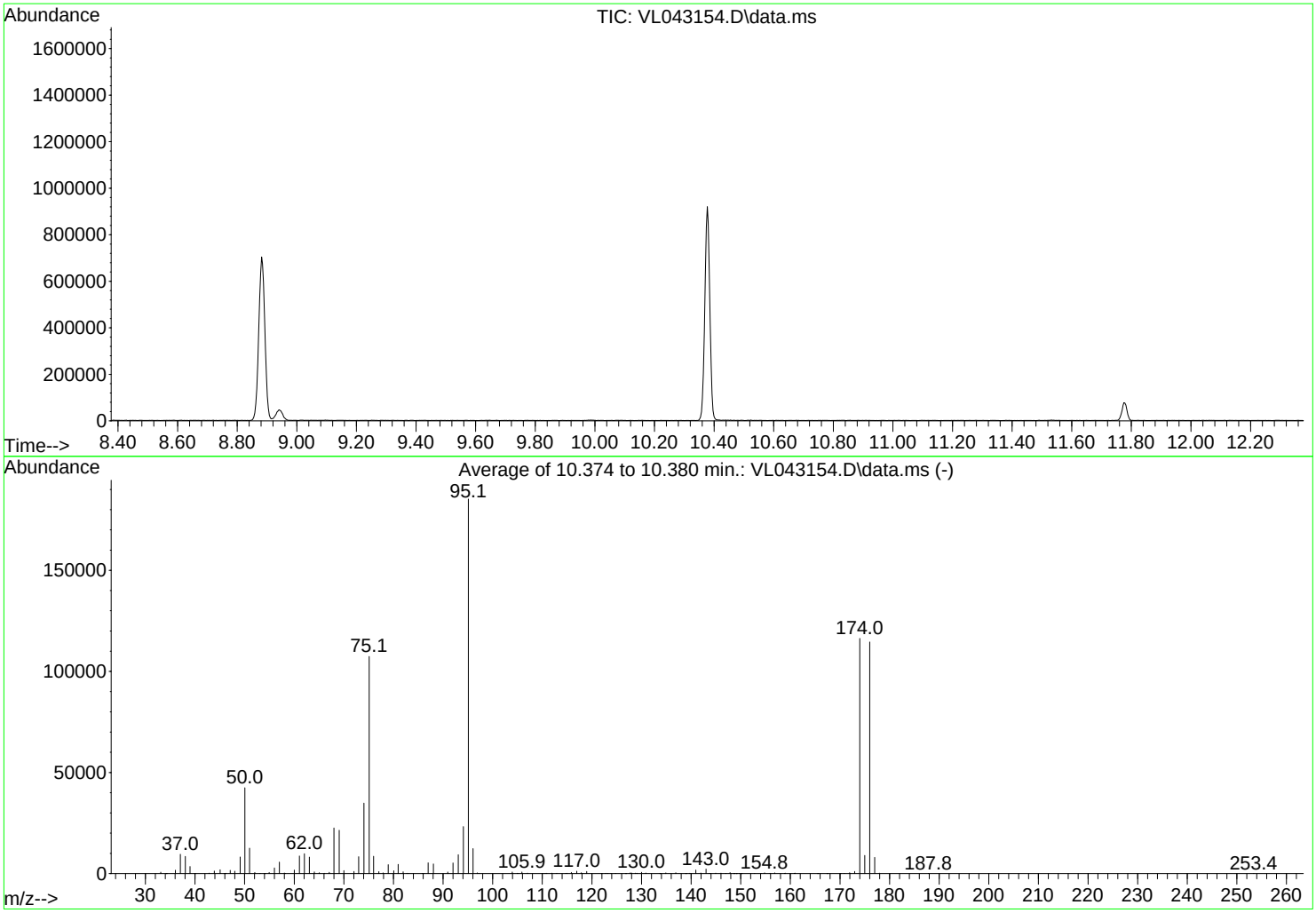
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043154.D
Acq On : 06 Nov 2025 06:24
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

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



AutoFind: Scans 3178, 3179, 3180; 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	22.9	42440	PASS
75	95	30	66	58.0	107403	PASS
95	95	100	100	100.0	185280	PASS
96	95	5	9	6.7	12391	PASS
173	174	0.00	2	0.9	1086	PASS
174	95	50	120	62.8	116309	PASS
175	174	4	9	7.7	9002	PASS
176	174	93	101	98.5	114536	PASS
177	176	5	9	7.0	7990	PASS

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	141 JUNIPER DRIVE	Date Received:	
Client Sample ID:	VL1106ABL01	SDG No.:	Q3557
Lab Sample ID:	VL1106ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.11	0.54	U	1	0.54	2.47	11/06/25 08:02	VL110625
74-87-3	Chloromethane	0.10	0.21	U	1	0.21	1.03	11/06/25 08:02	VL110625
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/06/25 08:02	VL110625
74-83-9	Bromomethane	0.080	0.31	U	1	0.31	1.94	11/06/25 08:02	VL110625
75-00-3	Chloroethane	0.15	0.40	U	1	0.40	1.32	11/06/25 08:02	VL110625
109-99-9	Tetrahydrofuran	0.080	0.24	U	1	0.24	1.47	11/06/25 08:02	VL110625
75-69-4	Trichlorofluoromethane	0.17	0.96	U	1	0.96	2.81	11/06/25 08:02	VL110625
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1	1.07	3.83	11/06/25 08:02	VL110625
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1	1.05	3.49	11/06/25 08:02	VL110625
75-65-0	tert-Butyl alcohol	0.16	0.49	U	1	0.49	1.52	11/06/25 08:02	VL110625
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	11/06/25 08:02	VL110625
75-35-4	1,1-Dichloroethene	0.15	0.59	U	1	0.59	1.98	11/06/25 08:02	VL110625
67-64-1	Acetone	0.18	0.43	U	1	0.43	1.19	11/06/25 08:02	VL110625
75-15-0	Carbon Disulfide	0.080	0.25	U	1	0.25	1.56	11/06/25 08:02	VL110625
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	1	0.83	1.80	11/06/25 08:02	VL110625
75-09-2	Methylene Chloride	0.23	0.80	U	1	0.80	1.74	11/06/25 08:02	VL110625
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	1	0.48	1.98	11/06/25 08:02	VL110625
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/06/25 08:02	VL110625
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/06/25 08:02	VL110625
78-93-3	2-Butanone	0.060	0.18	U	1	0.18	1.47	11/06/25 08:02	VL110625
56-23-5	Carbon Tetrachloride	0.030	0.19	U	1	0.19	0.19	11/06/25 08:02	VL110625
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/06/25 08:02	VL110625
67-66-3	Chloroform	0.10	0.49	U	1	0.49	2.44	11/06/25 08:02	VL110625
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/06/25 08:02	VL110625
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	1	0.65	2.34	11/06/25 08:02	VL110625
71-43-2	Benzene	0.080	0.26	U	1	0.26	1.60	11/06/25 08:02	VL110625
107-06-2	1,2-Dichloroethane	0.090	0.36	U	1	0.36	2.02	11/06/25 08:02	VL110625
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/06/25 08:02	VL110625
78-87-5	1,2-Dichloropropane	0.13	0.60	U	1	0.60	2.31	11/06/25 08:02	VL110625
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/06/25 08:02	VL110625
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	1	0.41	2.05	11/06/25 08:02	VL110625
108-88-3	Toluene	0.16	0.60	U	1	0.60	1.88	11/06/25 08:02	VL110625
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	1	0.68	2.27	11/06/25 08:02	VL110625
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	1	0.50	2.27	11/06/25 08:02	VL110625
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	1	0.44	2.73	11/06/25 08:02	VL110625
124-48-1	Dibromochloromethane	0.090	0.77	U	1	0.77	4.26	11/06/25 08:02	VL110625
106-93-4	1,2-Dibromoethane	0.090	0.69	U	1	0.69	0.77	11/06/25 08:02	VL110625
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	11/06/25 08:02	VL110625
108-90-7	Chlorobenzene	0.080	0.37	U	1	0.37	2.30	11/06/25 08:02	VL110625
100-41-4	Ethyl Benzene	0.19	0.83	U	1	0.83	2.17	11/06/25 08:02	VL110625
179601-23-1	m/p-Xylene	0.41	1.78	U	1	1.78	4.34	11/06/25 08:02	VL110625
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17	11/06/25 08:02	VL110625
100-42-5	Styrene	0.16	0.68	U	1	0.68	2.13	11/06/25 08:02	VL110625
75-25-2	Bromoform	0.050	0.52	U	1	0.52	5.17	11/06/25 08:02	VL110625
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	1	0.14	0.21	11/06/25 08:02	VL110625
95-49-8	2-Chlorotoluene	0.17	0.88	U	1	0.88	2.59	11/06/25 08:02	VL110625

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Fax : 908 789 8922

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	141 JUNIPER DRIVE	Date Received:	
Client Sample ID:	VL1106ABL01	SDG No.:	Q3557
Lab Sample ID:	VL1106ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/06/25 08:02	VL110625
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/06/25 08:02	VL110625
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	1	0.30	3.01		11/06/25 08:02	VL110625
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01		11/06/25 08:02	VL110625
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01		11/06/25 08:02	VL110625
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1	1.56	3.71		11/06/25 08:02	VL110625
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1	1.39	5.33		11/06/25 08:02	VL110625
106-99-0	1,3-Butadiene	0.050	0.11	U	1	0.11	1.11		11/06/25 08:02	VL110625
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52		11/06/25 08:02	VL110625
622-96-8	4-Ethyltoluene	0.21	1.03	U	1	1.03	2.46		11/06/25 08:02	VL110625
110-54-3	Hexane	0.16	0.56	U	1	0.56	1.76		11/06/25 08:02	VL110625
107-05-1	Allyl Chloride	0.11	0.34	U	1	0.34	1.57		11/06/25 08:02	VL110625
123-91-1	1,4-Dioxane	0.22	0.79	U	1	0.79	1.80		11/06/25 08:02	VL110625
80-62-6	Methyl Methacrylate	0.14	0.57	U	1	0.57	2.05		11/06/25 08:02	VL110625
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	9.80				70 (65) - 130	98%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	111000								
540-36-3	1,4-Difluorobenzene	343000								
3114-55-4	Chlorobenzene-d5	293000								

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\VL110625\
Data File : VL043156.D
Acq On : 06 Nov 2025 08:02
Operator : SY/MD
Sample : VL1106ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABL01

Quant Time: Nov 07 00:17:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

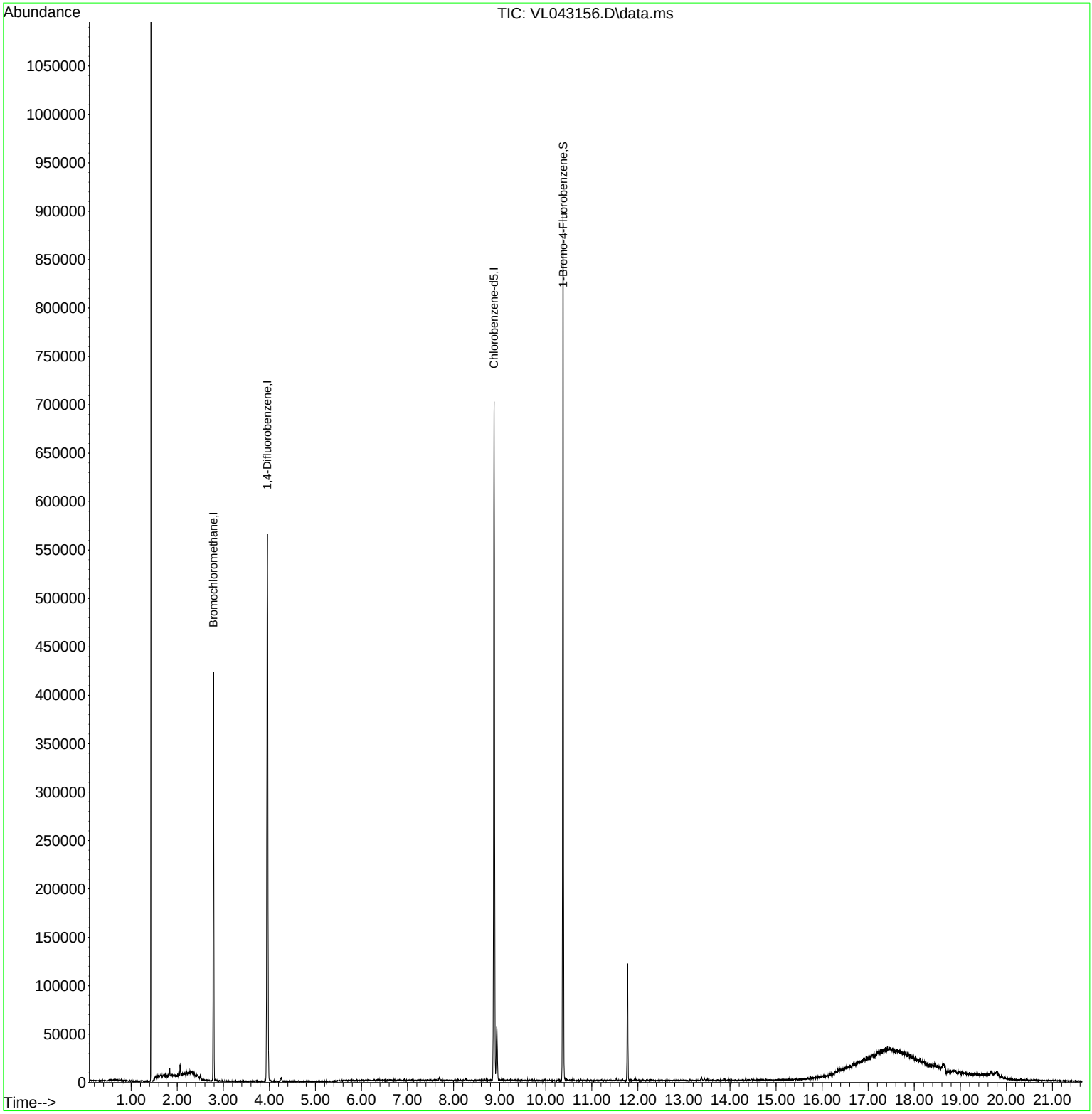
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	111463	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	342563	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	292913	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	222345	9.766	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.700%			
Target Compounds						Qvalue

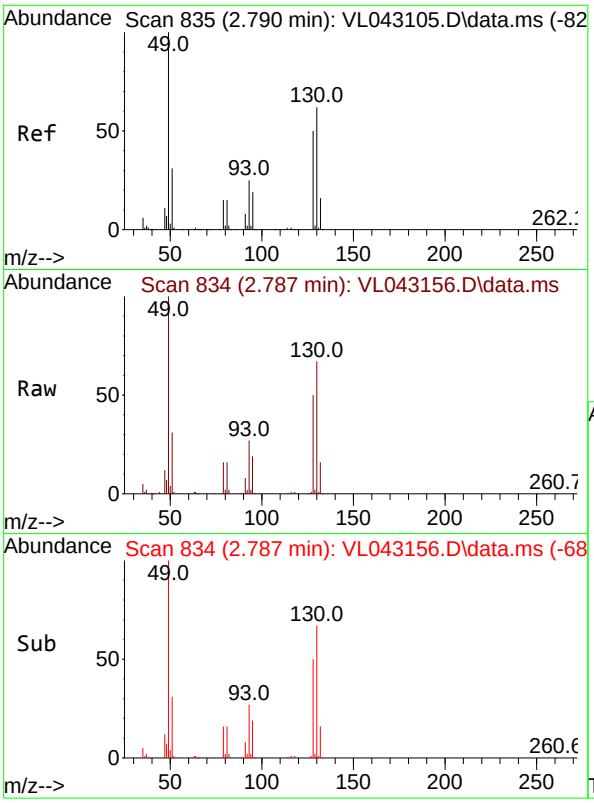
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043156.D
Acq On : 06 Nov 2025 08:02
Operator : SY/MD
Sample : VL1106ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABL01

Quant Time: Nov 07 00:17:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



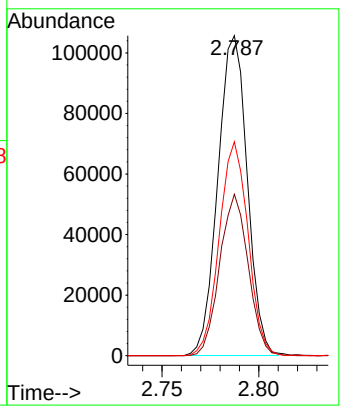


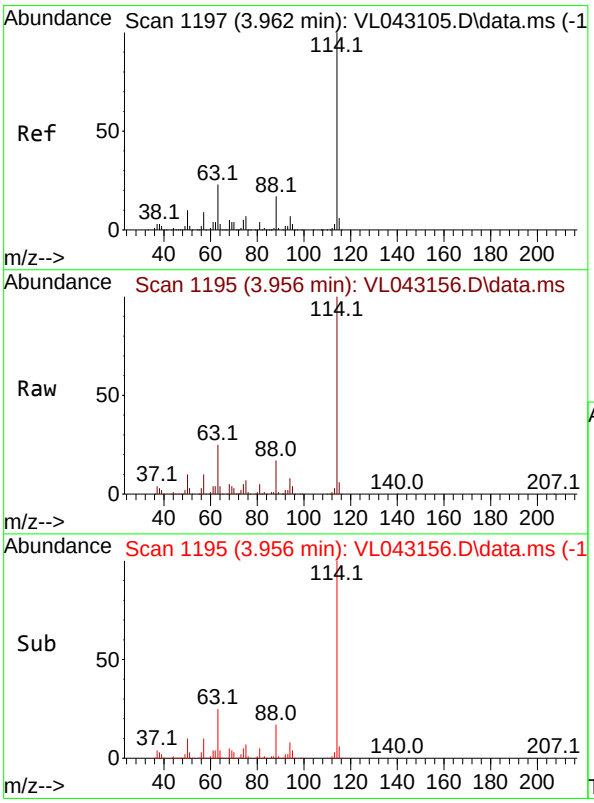
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043156.D
Acq: 06 Nov 2025 08:02

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABL01

Tgt Ion: 49 Resp: 111463

Ion	Ratio	Lower	Upper
49	100		
128	49.0	24.4	73.4
130	65.5	31.0	93.0

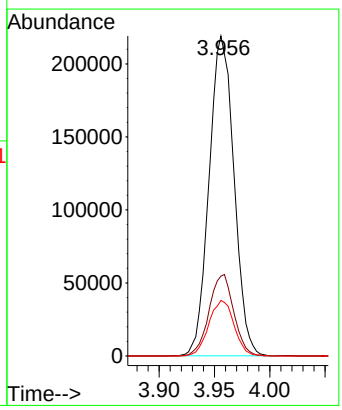


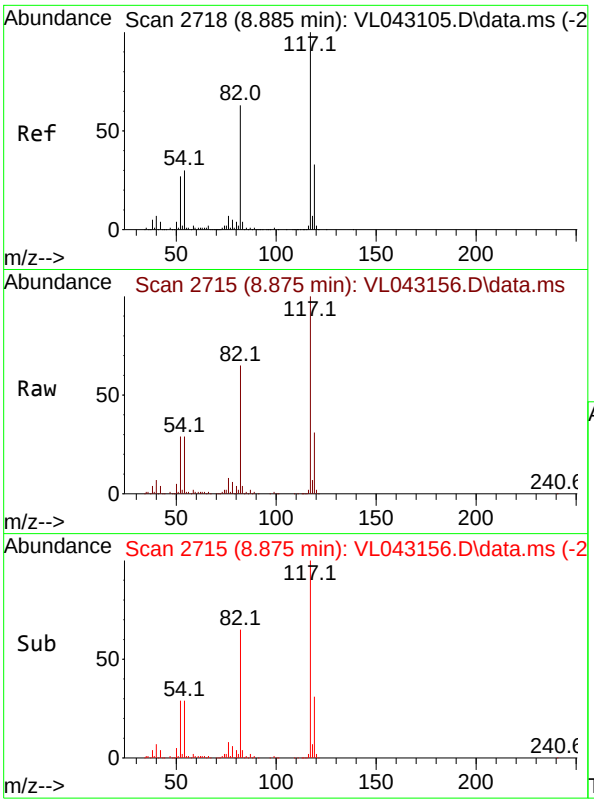


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. -0.006 min
Lab File: VL043156.D
Acq: 06 Nov 2025 08:02

Tgt Ion:114 Resp: 342563

Ion	Ratio	Lower	Upper
114	100		
63	25.3	19.3	28.9
88	17.6	13.9	20.9



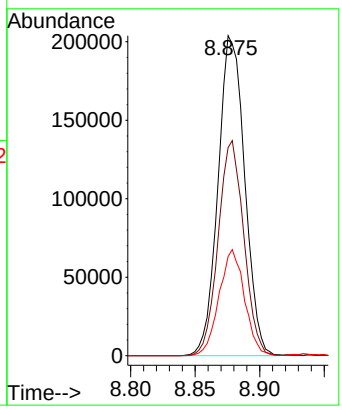


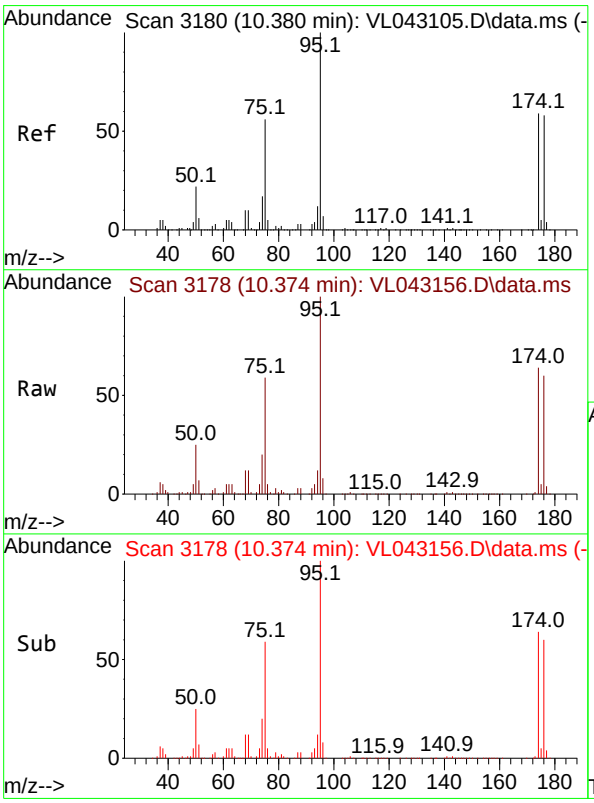
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL043156.D
Acq: 06 Nov 2025 08:02

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABL01

Tgt Ion:117 Resp: 292913

Ion	Ratio	Lower	Upper
117	100		
82	64.7	53.8	80.8
119	31.8	25.4	38.0

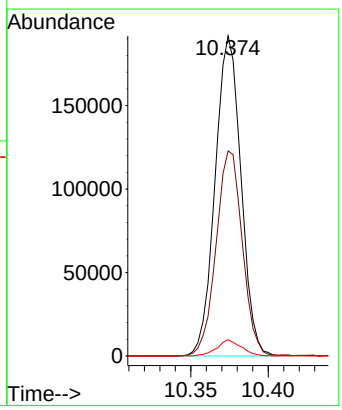




#68
1-Bromo-4-Fluorobenzene
Concen: 9.766 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.006 min
Lab File: VL043156.D
Acq: 06 Nov 2025 08:02

Tgt Ion: 95 Resp: 222345

Ion	Ratio	Lower	Upper
95	100		
174	65.2	48.3	72.5
175	4.8	3.8	5.8



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	141 JUNIPER DRIVE	Date Received:	
Client Sample ID:	VL1106ABS01	SDG No.:	Q3557
Lab Sample ID:	VL1106ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	10.8	53.4		1	0.54	2.47	11/06/25 08:45	VL110625
74-87-3	Chloromethane	9.10	18.8		1	0.21	1.03	11/06/25 08:45	VL110625
75-01-4	Vinyl Chloride	9.10	23.3		1	0.080	0.080	11/06/25 08:45	VL110625
74-83-9	Bromomethane	10.2	39.6		1	0.31	1.94	11/06/25 08:45	VL110625
75-00-3	Chloroethane	9.30	24.5		1	0.40	1.32	11/06/25 08:45	VL110625
109-99-9	Tetrahydrofuran	9.30	27.4		1	0.24	1.47	11/06/25 08:45	VL110625
75-69-4	Trichlorofluoromethane	11.7	65.8		1	0.96	2.81	11/06/25 08:45	VL110625
76-13-1	1,1,2-Trichlorotrifluoroethane	11.2	85.8		1	1.07	3.83	11/06/25 08:45	VL110625
76-14-2	Dichlorotetrafluoroethane	10.7	74.8		1	1.05	3.49	11/06/25 08:45	VL110625
75-65-0	tert-Butyl alcohol	9.90	30.0		1	0.49	1.52	11/06/25 08:45	VL110625
142-82-5	Heptane	8.70	35.6		1	0.70	2.05	11/06/25 08:45	VL110625
75-35-4	1,1-Dichloroethene	11.0	43.6		1	0.59	1.98	11/06/25 08:45	VL110625
67-64-1	Acetone	8.90	21.1		1	0.43	1.19	11/06/25 08:45	VL110625
75-15-0	Carbon Disulfide	10.7	33.3		1	0.25	1.56	11/06/25 08:45	VL110625
1634-04-4	Methyl tert-Butyl Ether	9.80	35.3		1	0.83	1.80	11/06/25 08:45	VL110625
75-09-2	Methylene Chloride	9.10	31.6		1	0.80	1.74	11/06/25 08:45	VL110625
156-60-5	trans-1,2-Dichloroethene	10.7	42.4		1	0.48	1.98	11/06/25 08:45	VL110625
75-34-3	1,1-Dichloroethane	10.5	42.5		1	0.53	2.02	11/06/25 08:45	VL110625
110-82-7	Cyclohexane	9.30	32.0		1	0.76	1.72	11/06/25 08:45	VL110625
78-93-3	2-Butanone	10.4	30.7		1	0.18	1.47	11/06/25 08:45	VL110625
56-23-5	Carbon Tetrachloride	11.8	74.2		1	0.19	0.19	11/06/25 08:45	VL110625
156-59-2	cis-1,2-Dichloroethene	10.5	41.6		1	0.40	1.98	11/06/25 08:45	VL110625
67-66-3	Chloroform	11.0	53.7		1	0.49	2.44	11/06/25 08:45	VL110625
71-55-6	1,1,1-Trichloroethane	10.7	58.4		1	0.11	0.16	11/06/25 08:45	VL110625
540-84-1	2,2,4-Trimethylpentane	9.80	45.8		1	0.65	2.34	11/06/25 08:45	VL110625
71-43-2	Benzene	10.2	32.6		1	0.26	1.60	11/06/25 08:45	VL110625
107-06-2	1,2-Dichloroethane	11.3	45.7		1	0.36	2.02	11/06/25 08:45	VL110625
79-01-6	Trichloroethene	9.60	51.6		1	0.11	0.16	11/06/25 08:45	VL110625
78-87-5	1,2-Dichloropropane	10.0	46.2		1	0.60	2.31	11/06/25 08:45	VL110625
75-27-4	Bromodichloromethane	11.4	76.4		1	0.40	3.35	11/06/25 08:45	VL110625
108-10-1	4-Methyl-2-Pentanone	9.40	38.5		1	0.41	2.05	11/06/25 08:45	VL110625
108-88-3	Toluene	9.70	36.5		1	0.60	1.88	11/06/25 08:45	VL110625
10061-02-6	t-1,3-Dichloropropene	10.1	45.9		1	0.68	2.27	11/06/25 08:45	VL110625
10061-01-5	cis-1,3-Dichloropropene	10.0	45.4		1	0.50	2.27	11/06/25 08:45	VL110625
79-00-5	1,1,2-Trichloroethane	10.3	56.2		1	0.44	2.73	11/06/25 08:45	VL110625
124-48-1	Dibromochloromethane	11.1	94.6		1	0.77	4.26	11/06/25 08:45	VL110625
106-93-4	1,2-Dibromoethane	10.3	79.2		1	0.69	0.77	11/06/25 08:45	VL110625
127-18-4	Tetrachloroethene	10.3	69.8		1	0.14	0.20	11/06/25 08:45	VL110625
108-90-7	Chlorobenzene	10.2	47.0		1	0.37	2.30	11/06/25 08:45	VL110625
100-41-4	Ethyl Benzene	10.3	44.7		1	0.83	2.17	11/06/25 08:45	VL110625
179601-23-1	m/p-Xylene	20.9	90.8		1	1.78	4.34	11/06/25 08:45	VL110625
95-47-6	o-Xylene	10.4	45.2		1	0.91	2.17	11/06/25 08:45	VL110625
100-42-5	Styrene	9.80	41.7		1	0.68	2.13	11/06/25 08:45	VL110625
75-25-2	Bromoform	11.6	120		1	0.52	5.17	11/06/25 08:45	VL110625
79-34-5	1,1,2,2-Tetrachloroethane	9.90	68.0		1	0.14	0.21	11/06/25 08:45	VL110625
95-49-8	2-Chlorotoluene	10.4	53.9		1	0.88	2.59	11/06/25 08:45	VL110625

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	141 JUNIPER DRIVE	Date Received:	
Client Sample ID:	VL1106ABS01	SDG No.:	Q3557
Lab Sample ID:	VL1106ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	10.7	52.6		1	0.88	2.46		11/06/25 08:45	VL110625
95-63-6	1,2,4-Trimethylbenzene	10.4	51.1		1	0.88	2.46		11/06/25 08:45	VL110625
541-73-1	1,3-Dichlorobenzene	10.9	65.5		1	0.30	3.01		11/06/25 08:45	VL110625
106-46-7	1,4-Dichlorobenzene	10.8	64.9		1	0.78	3.01		11/06/25 08:45	VL110625
95-50-1	1,2-Dichlorobenzene	10.7	64.3		1	0.78	3.01		11/06/25 08:45	VL110625
120-82-1	1,2,4-Trichlorobenzene	10.8	80.2		1	1.56	3.71		11/06/25 08:45	VL110625
87-68-3	Hexachloro-1,3-Butadiene	10.4	111		1	1.39	5.33		11/06/25 08:45	VL110625
106-99-0	1,3-Butadiene	8.80	19.5		1	0.11	1.11		11/06/25 08:45	VL110625
91-20-3	Naphthalene	10.1	53.0		1	0.050	0.52		11/06/25 08:45	VL110625
622-96-8	4-Ethyltoluene	10.7	52.6		1	1.03	2.46		11/06/25 08:45	VL110625
110-54-3	Hexane	9.40	33.1		1	0.56	1.76		11/06/25 08:45	VL110625
107-05-1	Allyl Chloride	9.20	28.8		1	0.34	1.57		11/06/25 08:45	VL110625
123-91-1	1,4-Dioxane	9.40	33.9		1	0.79	1.80		11/06/25 08:45	VL110625
80-62-6	Methyl Methacrylate	9.80	40.1		1	0.57	2.05		11/06/25 08:45	VL110625
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	10.2				70 (65) - 130	102%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	111000								
540-36-3	1,4-Difluorobenzene	341000								
3114-55-4	Chlorobenzene-d5	300000								

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\VL110625\
Data File : VL043157.D
Acq On : 06 Nov 2025 08:45
Operator : SY/MD
Sample : VL1106ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	111380	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	340583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	299526	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	237797	10.214	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	170728	10.782	ppbv	99
3) Chlorodifluoromethane	1.476	51	171506	10.011	ppbv	97
4) Chloromethane	1.534	50	57299	9.134	ppbv	100
5) Vinyl Chloride	1.580	62	55895	9.085	ppbv	100
6) Bromomethane	1.667	94	34540	10.238	ppbv	96
7) Chloroethane	1.706	64	23501	9.342	ppbv	89
8) Dichlorotetrafluoroethane	1.554	85	136433	10.661	ppbv	92
9) Propene	1.483	41	64760	8.523	ppbv	99
10) Heptane	4.978	43	189938	8.683	ppbv	98
11) Trichlorofluoromethane	1.877	101	181952	11.748	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	139934	11.222	ppbv	96
13) Ethanol	1.719	45	21163	7.530	ppbv	98
14) Bromoethene	1.780	108	49693	10.727	ppbv	99
15) Acetone	1.835	43	134115	8.934	ppbv	99
16) 1,3-Butadiene	1.609	39	62625	8.753	ppbv	98
17) tert-Butyl alcohol	2.039	59	203295	9.865	ppbv	100
18) 1,1-Dichloroethene	2.036	96	59563	10.957	ppbv	84
19) Isopropyl Alcohol	1.884	45	80943	8.657	ppbv	92
20) Methylene Chloride	2.062	84	53912	9.085	ppbv	94
21) Allyl Chloride	2.094	41	101879	9.210	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	69305	10.665	ppbv	93
23) Vinyl Acetate	2.460	43	232125	10.556	ppbv	99
24) 1,1-Dichloroethane	2.408	63	131599	10.482	ppbv	98
25) Ethyl Acetate	2.832	43	354153	9.513	ppbv	100
26) Hexane	2.826	57	161029	9.387	ppbv	98
27) Carbon Disulfide	2.149	76	167737	10.672	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	76290	9.775	ppbv	94
29) Chloroform	2.848	83	272377	10.958	ppbv	100
30) Cyclohexane	3.855	84	139050	9.287	ppbv	94
31) cis-1,2-Dichloroethene	2.719	61	171275	10.456	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	276541	10.684	ppbv	100
34) 2-Butanone	2.554	43	237347	10.367	ppbv	100
35) Carbon Tetrachloride	3.761	117	289096	11.806	ppbv	94
36) Benzene	3.654	78	326982	10.193	ppbv	99
37) 1,2-Dichloroethane	3.217	62	208468	11.281	ppbv	98
38) Trichloroethene	4.544	130	129044	9.632	ppbv	96
39) 1,2-Dichloropropane	4.308	63	117166	9.991	ppbv	93
40) 1,4-Dioxane	4.574	88	49474	9.428	ppbv #	96
41) Tetrahydrofuran	3.049	42	118637	9.265	ppbv	97
42) Bromodichloromethane	4.486	83	291226	11.387	ppbv	99
43) Methyl Methacrylate	4.875	69	160012	9.821	ppbv	95
44) 2,2,4-Trimethylpentane	4.638	57	531922	9.828	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	165316	10.111	ppbv	96

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043157.D
Acq On : 06 Nov 2025 08:45
Operator : SY/MD
Sample : VL1106ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	195336	10.001	ppbv		97
47) 1,1,2-Trichloroethane	6.580	97	130064	10.270	ppbv		92
48) Dibromochloromethane	7.383	129	234841	11.091	ppbv		98
49) Bromoform	9.480	173	199190	11.573	ppbv		99
50) 4-Methyl-2-Pentanone	5.739	43	295763	9.361	ppbv		99
51) 2-Hexanone	7.428	43	227473	9.599	ppbv	#	99
52) Tetrachloroethene	8.221	164	119279	10.312	ppbv		97
53) Toluene	6.927	91	368487	9.679	ppbv		99
54) 1,2-Dibromoethane	7.648	107	205210	10.345	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.920	131	213620	11.314	ppbv		98
57) Chlorobenzene	8.917	112	286347	10.219	ppbv		97
58) Ethyl Benzene	9.351	91	529847	10.307	ppbv		97
59) m/p-Xylene	9.548	91	856422m	20.888	ppbv		
60) o-Xylene	9.963	91	422838	10.442	ppbv		100
61) Styrene	9.865	104	179195	9.802	ppbv		99
62) Isopropylbenzene	10.539	105	762154	10.416	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	269723	9.947	ppbv		98
64) n-propylbenzene	10.989	120	201938	10.424	ppbv		98
65) tert-Butylbenzene	11.529	119	662570	10.254	ppbv		97
66) Benzyl Chloride	11.613	91	64257	8.935	ppbv		99
67) sec-Butylbenzene	11.765	105	957255	10.438	ppbv		99
69) p-Isopropyltoluene	11.924	119	795241	10.205	ppbv		98
70) n-Butylbenzene	12.280	91	798019	10.392	ppbv		99
71) 2-Chlorotoluene	10.898	91	579642	10.386	ppbv		99
72) 4-Ethyltoluene	11.121	105	530791	10.660	ppbv		99
73) 1,3,5-Trimethylbenzene	11.202	105	440663	10.731	ppbv		96
74) 1,2,4-Trimethylbenzene	11.536	105	477453	10.390	ppbv		91
75) 1,3-Dichlorobenzene	11.607	146	290341	10.894	ppbv		99
76) 1,4-Dichlorobenzene	11.671	146	291409	10.843	ppbv		99
77) 1,2-Dichlorobenzene	11.947	146	276598	10.728	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	207474	10.393	ppbv		99
79) Naphthalene	13.510	128	486413	10.127	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	142500	11.387	ppbv		97
81) 1,2,4-Trichlorobenzene	13.439	180	216292	10.849	ppbv		99

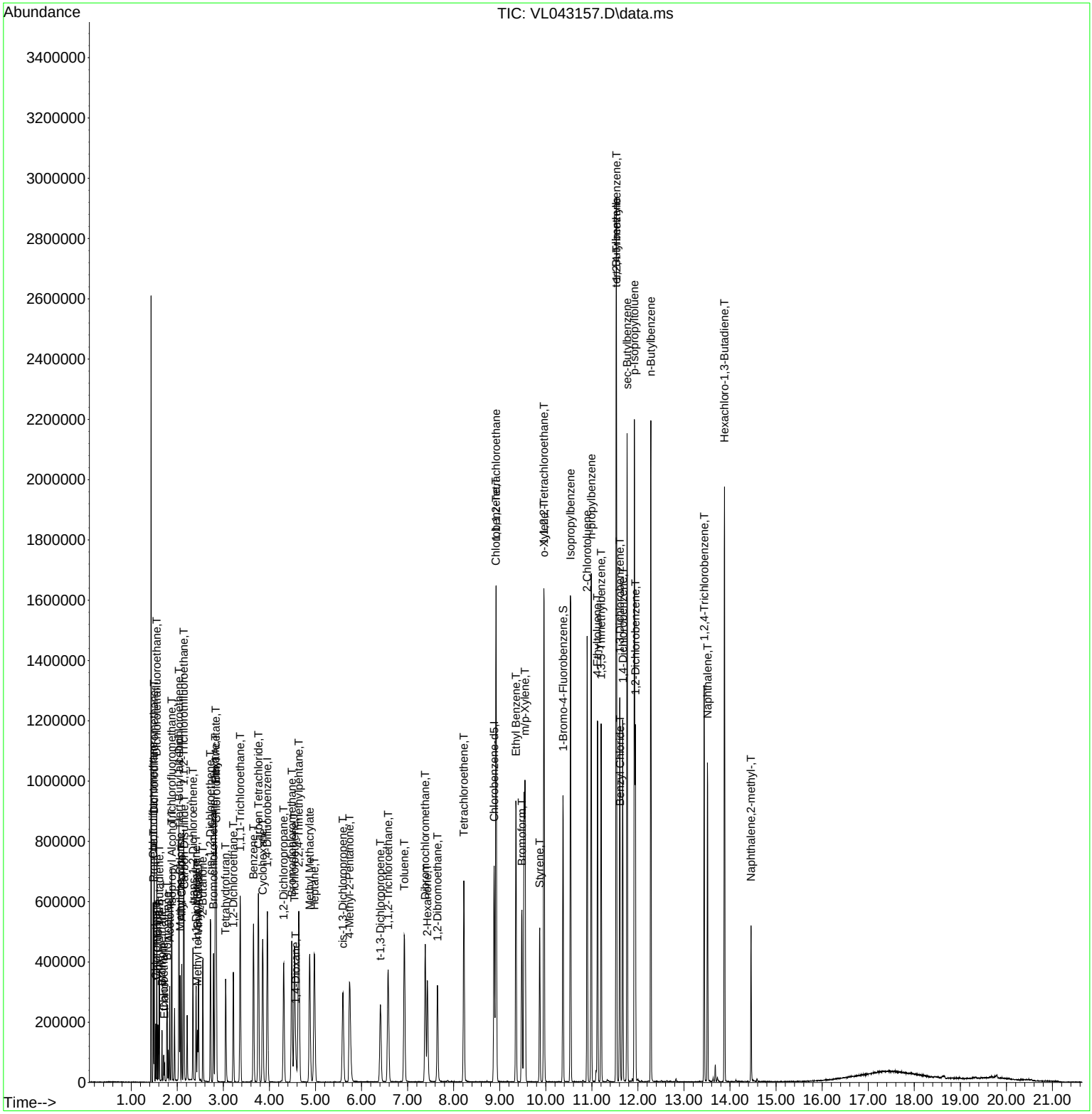
(#) = qualifier out of range (m) = manual integration (+) = signals summed

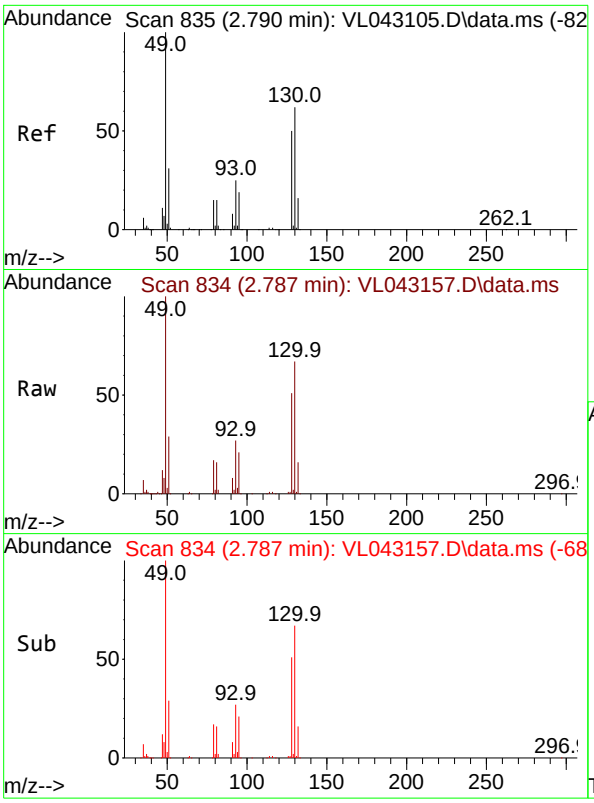
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043157.D
Acq On : 06 Nov 2025 08:45
Operator : SY/MD
Sample : VL1106ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

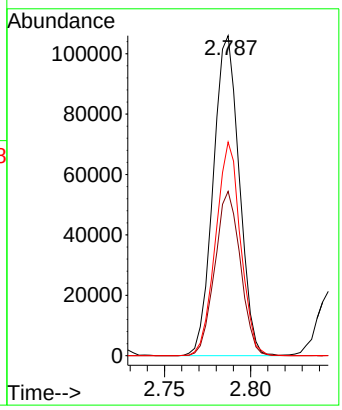




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 49 Resp: 11138

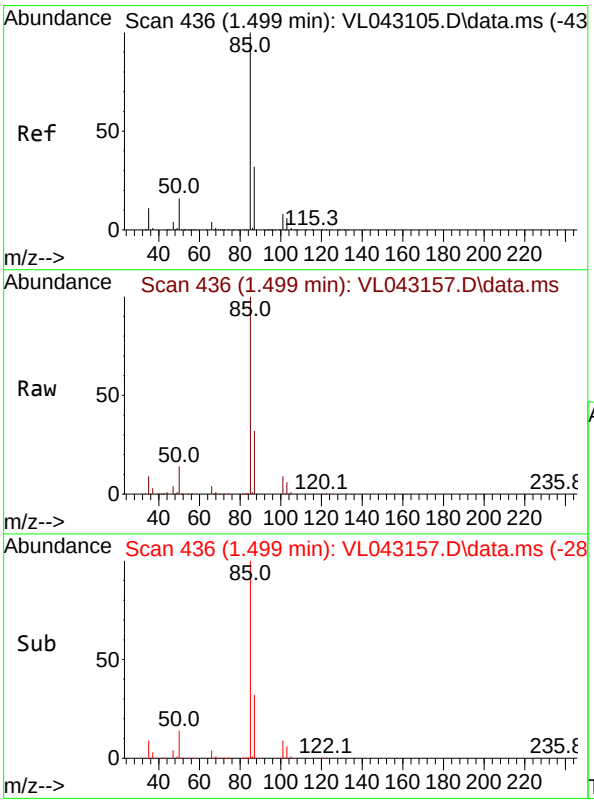
Ion	Ratio	Lower	Upper
49	100		
128	50.4	24.4	73.4
130	63.9	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Manual Integrations
APPROVED

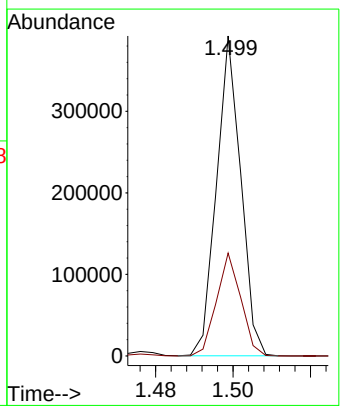
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

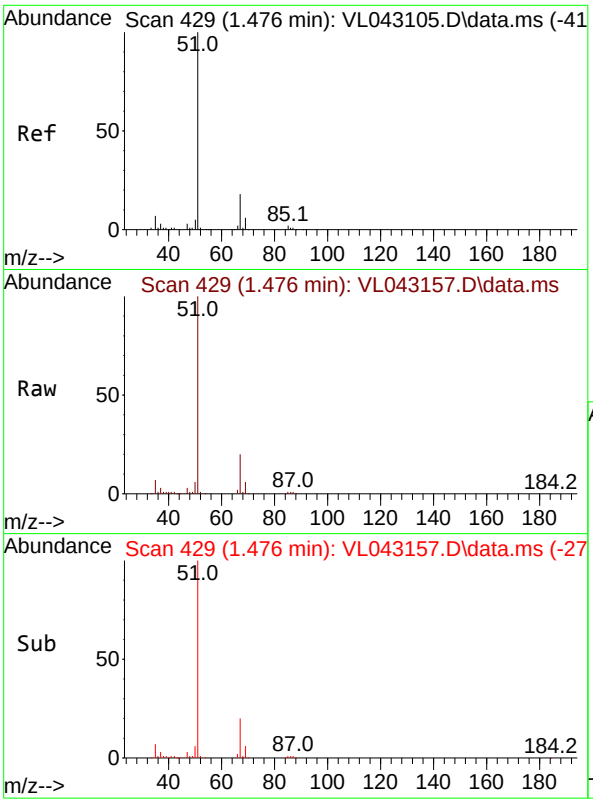


#2
Dichlorodifluoromethane
Concen: 10.782 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 85 Resp: 170728

Ion	Ratio	Lower	Upper
85	100		
87	32.2	25.3	37.9

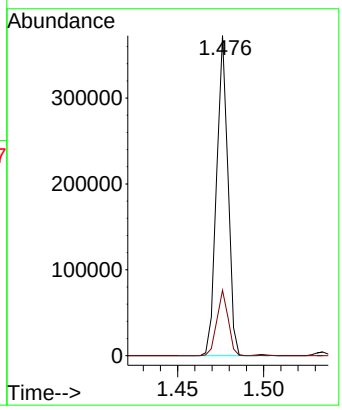




#3
Chlorodifluoromethane
Concen: 10.011 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 51 Resp: 17150

Ion	Ratio	Lower	Upper
51	100		
67	20.4	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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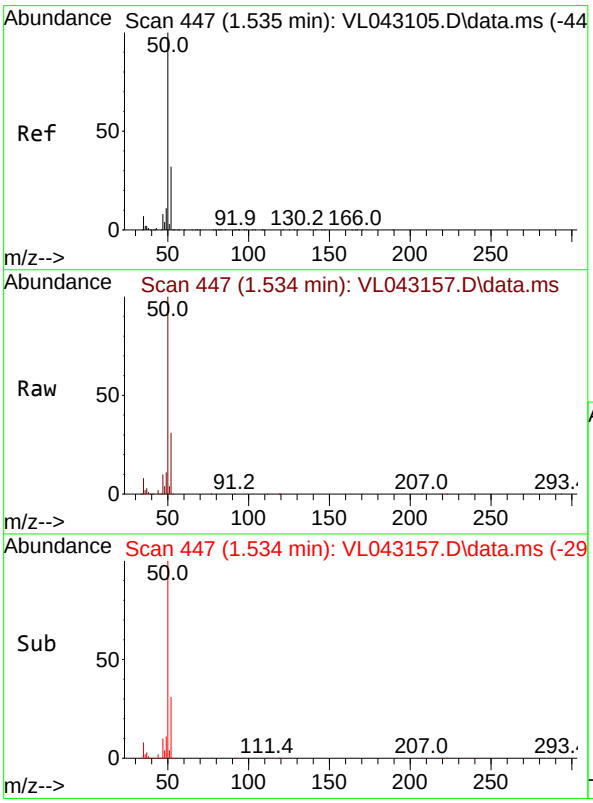
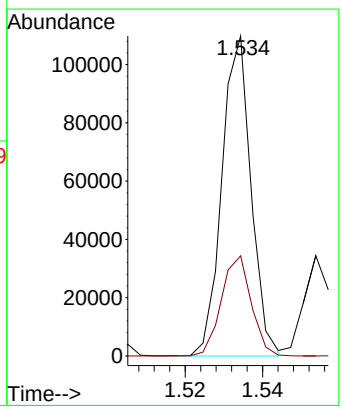
Supervised By :Mahesh Dadoda 11/10/2025

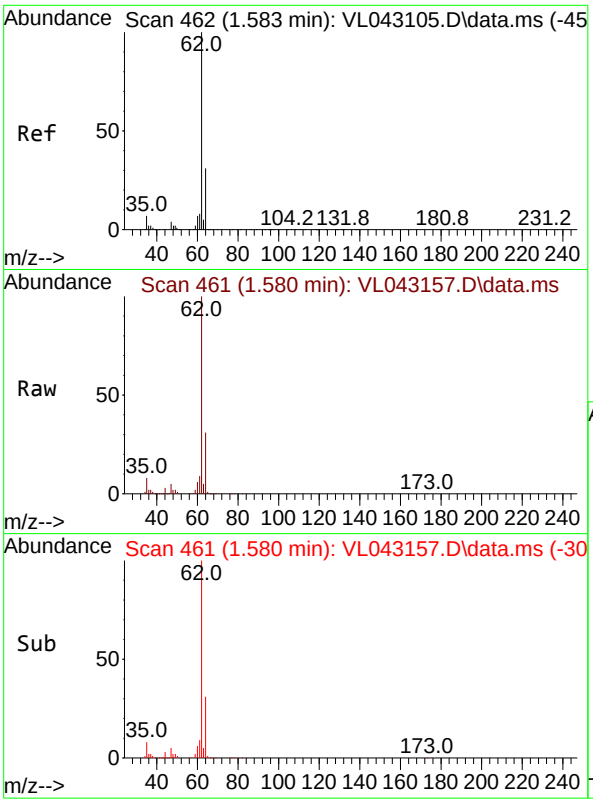


#4
Chloromethane
Concen: 9.134 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 50 Resp: 57299

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.2	37.8

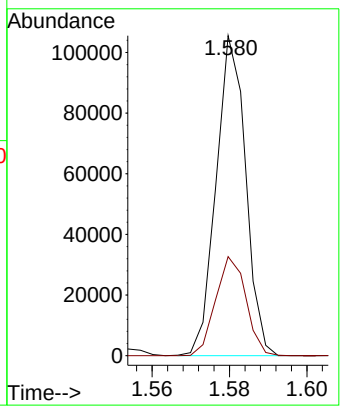




#5
Vinyl Chloride
Concen: 9.085 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 62 Resp: 5589

Ion	Ratio	Lower	Upper
62	100		
64	31.0	24.6	36.8



Instrument :
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ClientSampleId :
VL1106ABS01

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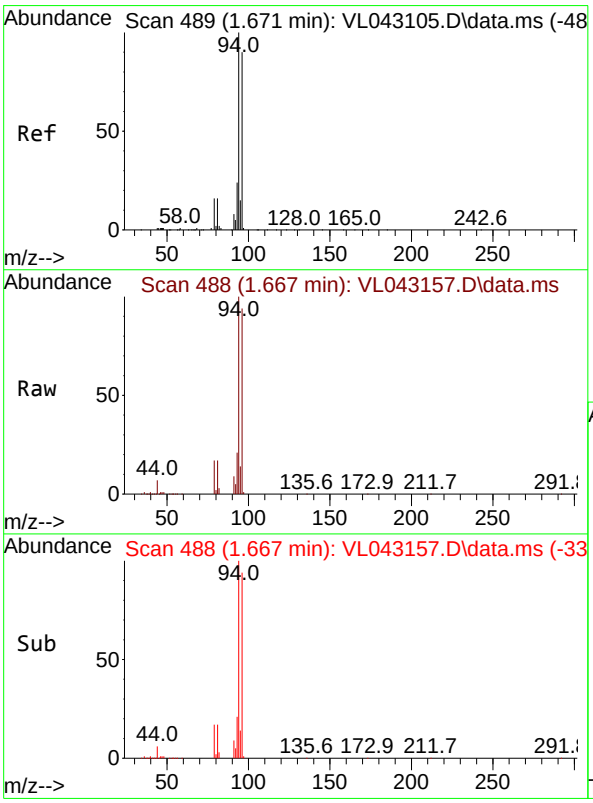
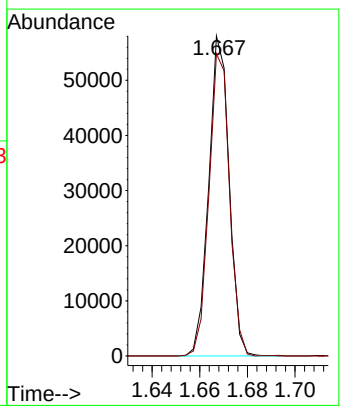
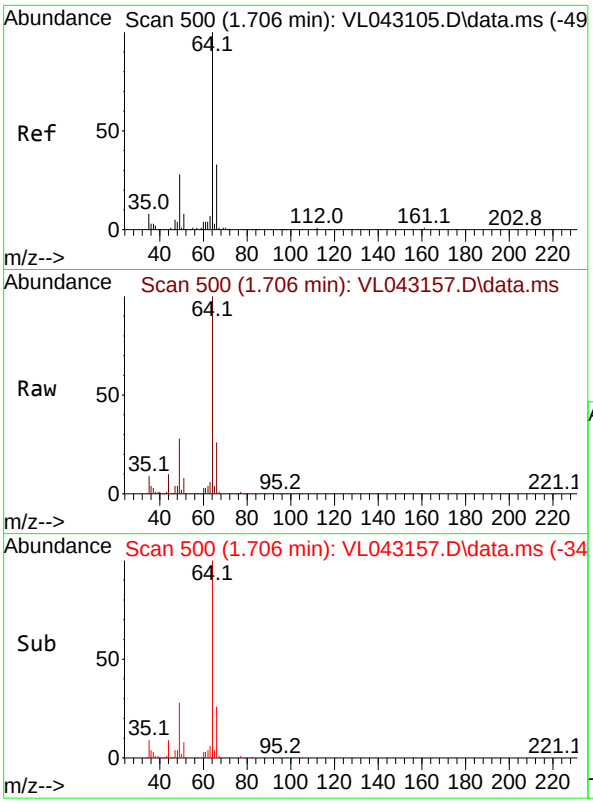


#6
Bromomethane
Concen: 10.238 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 94 Resp: 34540

Ion	Ratio	Lower	Upper
94	100		
96	94.5	72.2	108.4

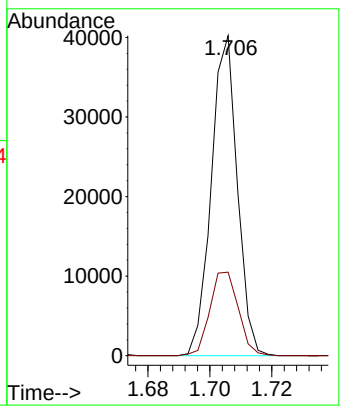




#7
Chloroethane
Concen: 9.342 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 64 Resp: 2350

Ion	Ratio	Lower	Upper
64	100		
66	26.1	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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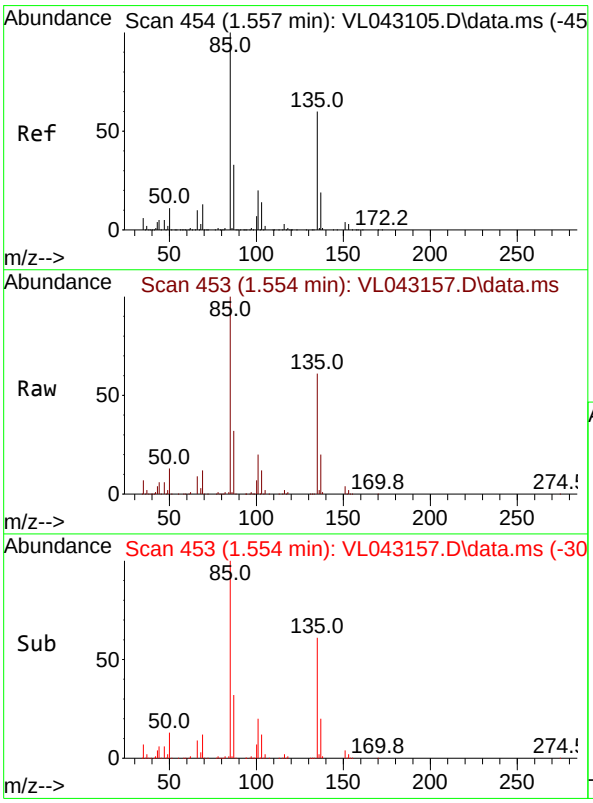
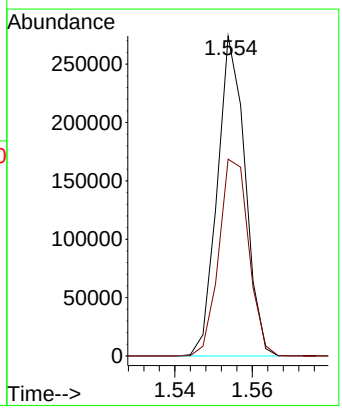
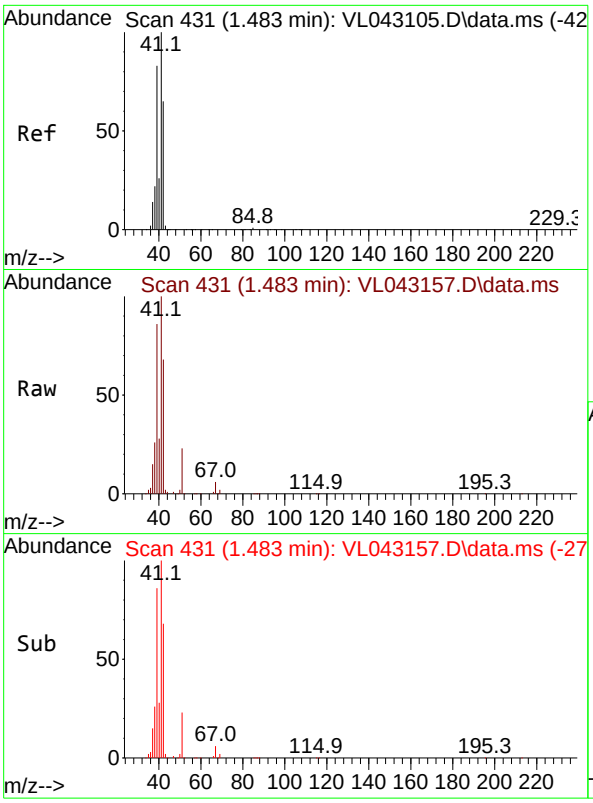


#8
Dichlorotetrafluoroethane
Concen: 10.661 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 85 Resp: 136433

Ion	Ratio	Lower	Upper
85	100		
135	66.6	48.2	72.4

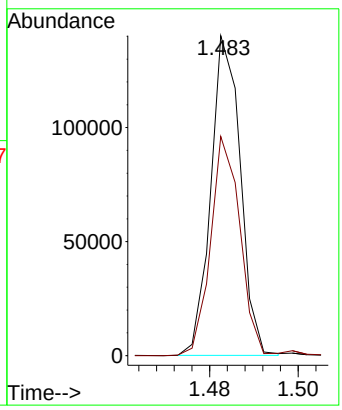




#9
Propene
Concen: 8.523 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 41 Resp: 6476

Ion	Ratio	Lower	Upper
41	100		
42	69.6	55.1	82.7



Instrument :
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ClientSampleId :
VL1106ABS01

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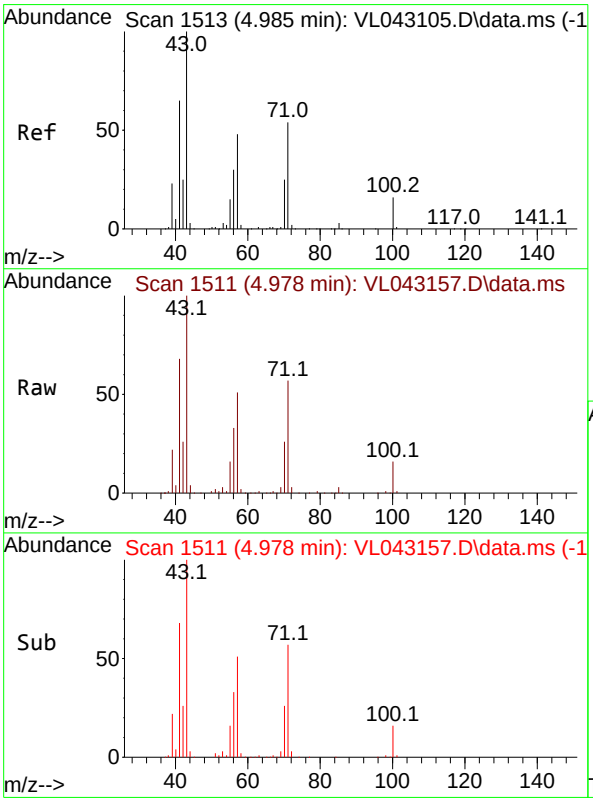
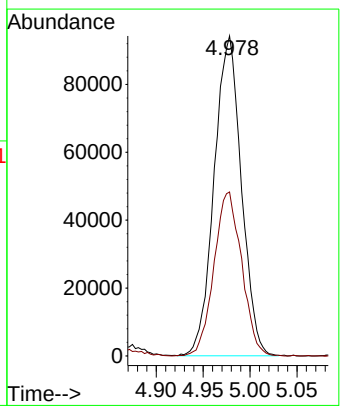
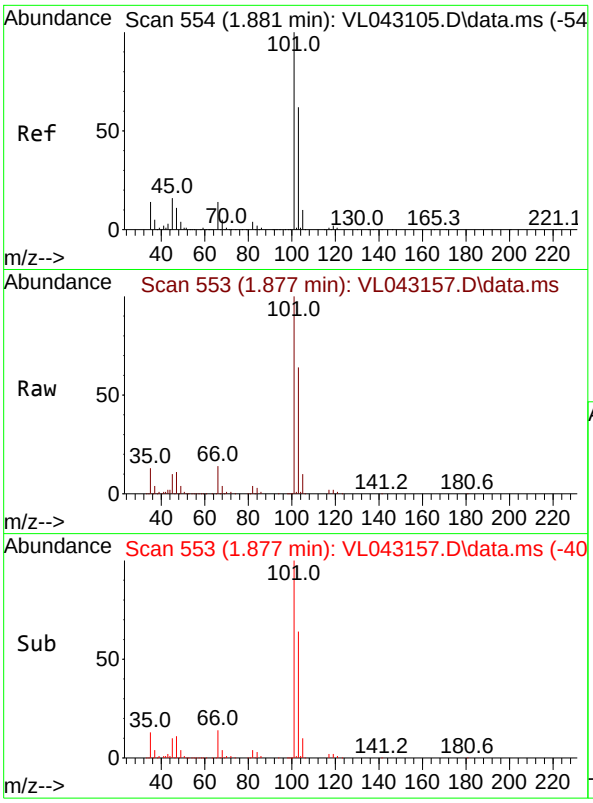


#10
Heptane
Concen: 8.683 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 189938

Ion	Ratio	Lower	Upper
43	100		
57	52.3	40.8	61.2

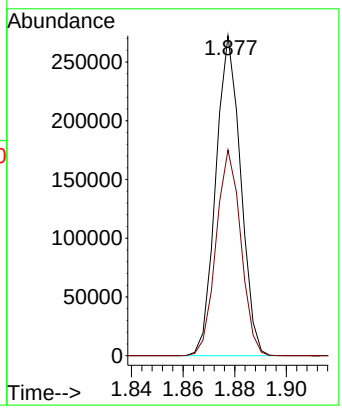




#11
Trichlorofluoromethane
Concen: 11.748 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:101 Resp: 18195

Ion	Ratio	Lower	Upper
101	100		
103	64.3	49.3	73.9



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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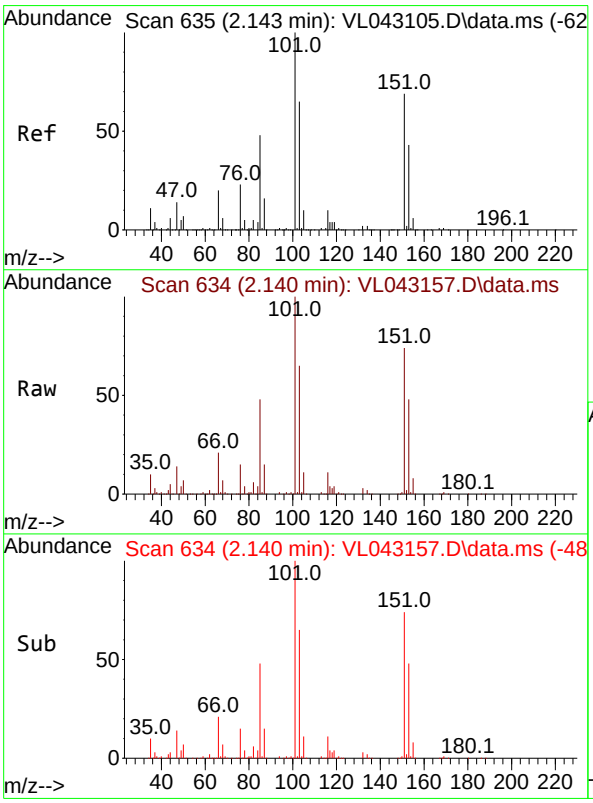
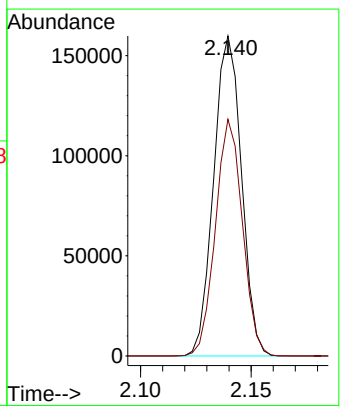
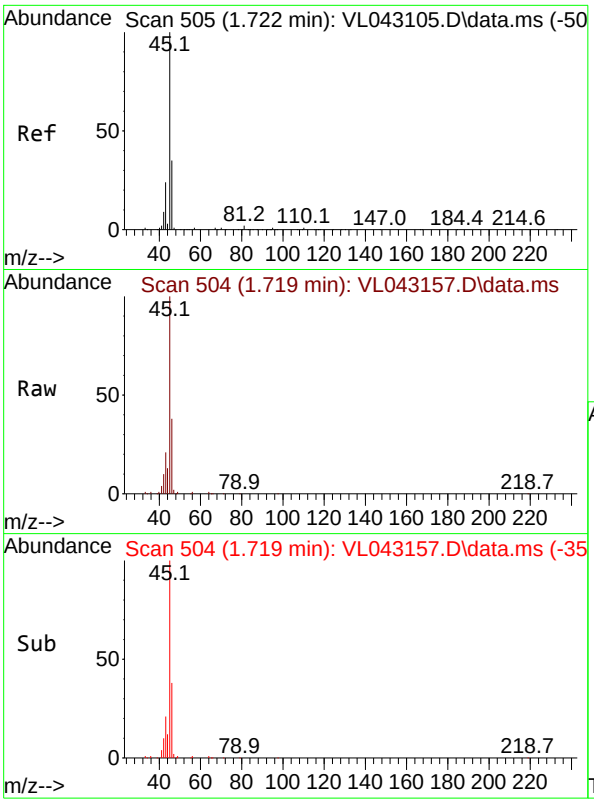


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.222 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:101 Resp: 139934

Ion	Ratio	Lower	Upper
101	100		
151	71.7	54.7	82.1

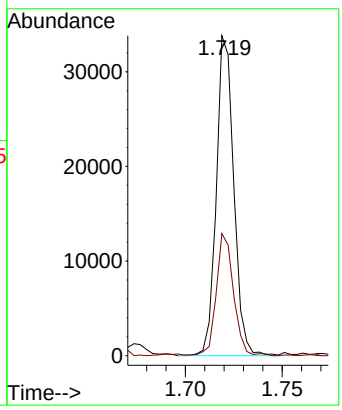




#13
Ethanol
Concen: 7.530 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 45 Resp: 2116

Ion	Ratio	Lower	Upper
45	100		
46	38.3	14.7	58.9



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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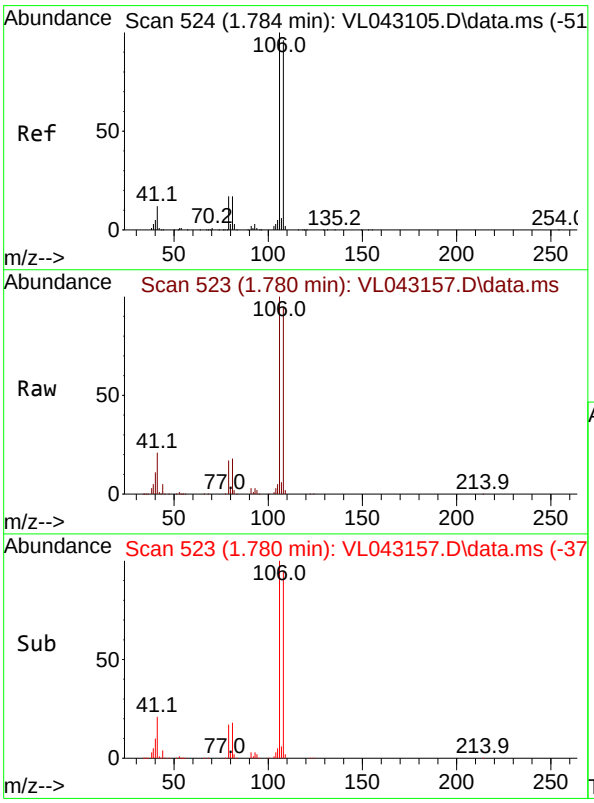
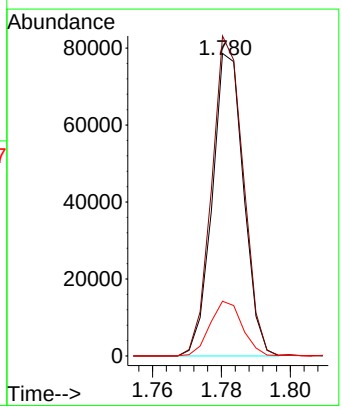
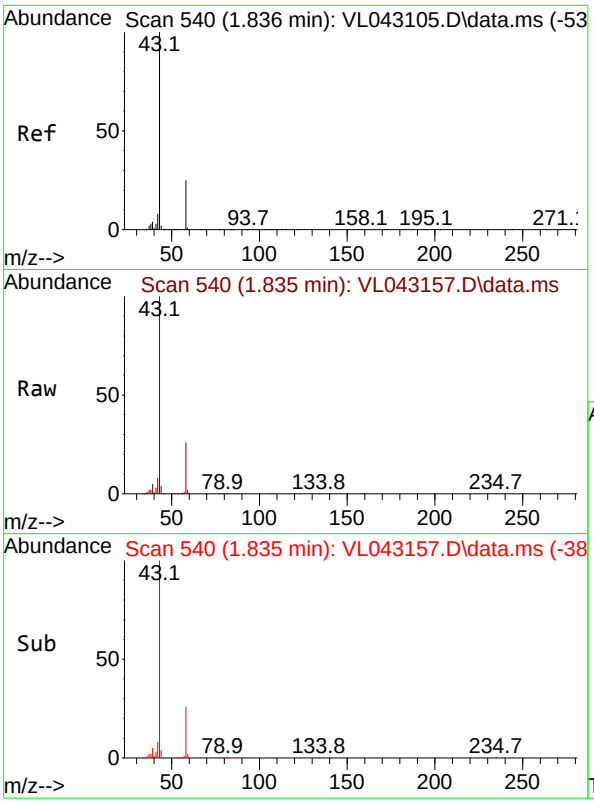


#14
Bromoethene
Concen: 10.727 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:108 Resp: 49693

Ion	Ratio	Lower	Upper
108	100		
106	106.7	84.4	126.6
79	18.8	15.3	22.9

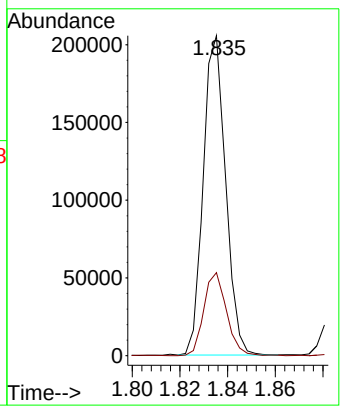




#15
Acetone
Concen: 8.934 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 13411

Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.8	31.2



Instrument :
MSVOA_L
ClientSampleId :
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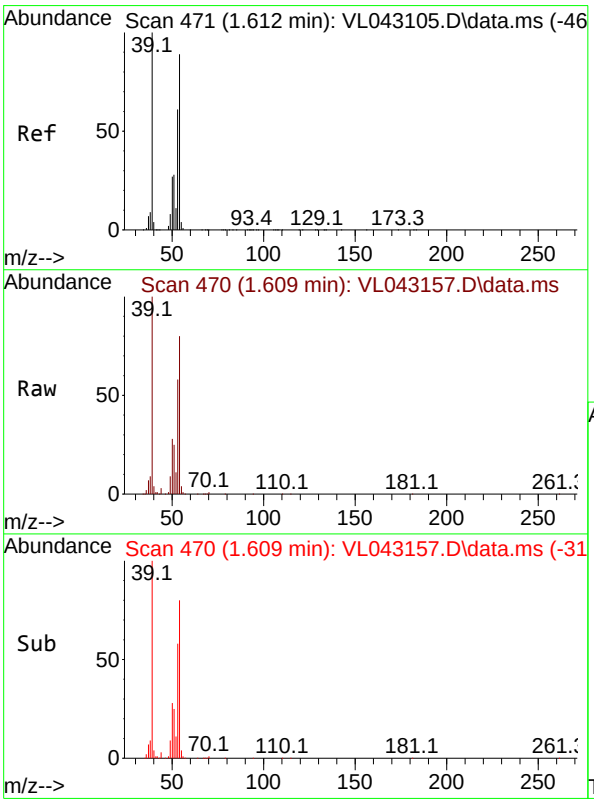
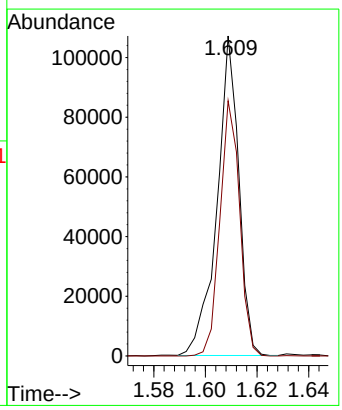
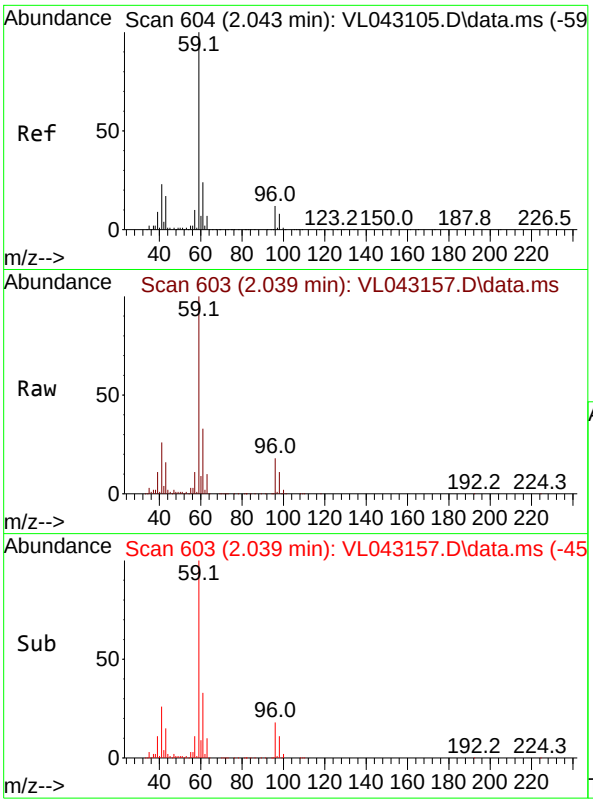


#16
1,3-Butadiene
Concen: 8.753 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 39 Resp: 62625

Ion	Ratio	Lower	Upper
39	100		
54	72.1	59.0	88.4

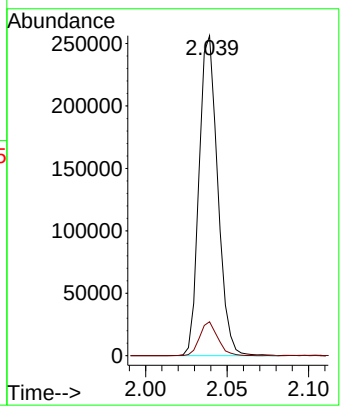




#17
tert-Butyl alcohol
Concen: 9.865 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 59 Resp: 20329

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4



Instrument :
MSVOA_L
ClientSampleId :
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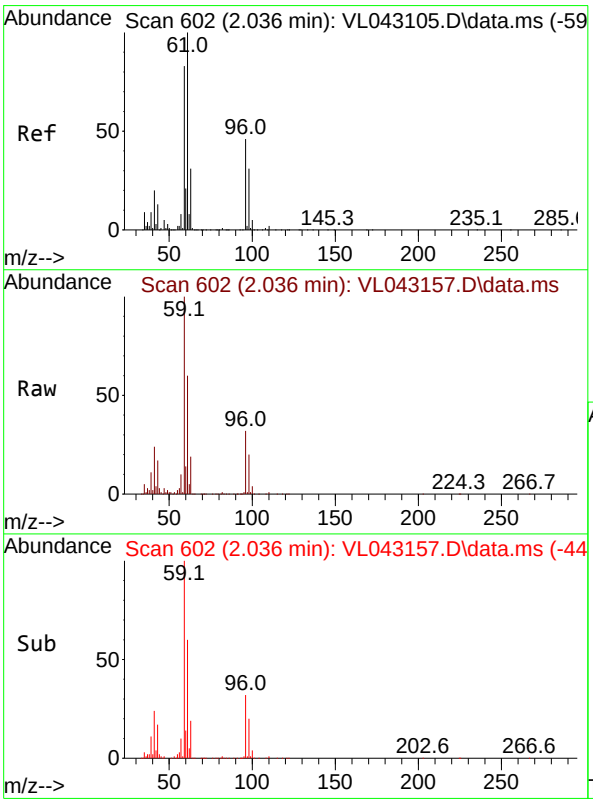
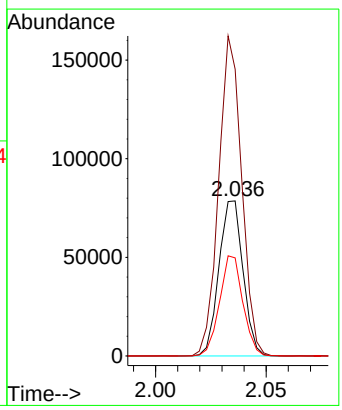
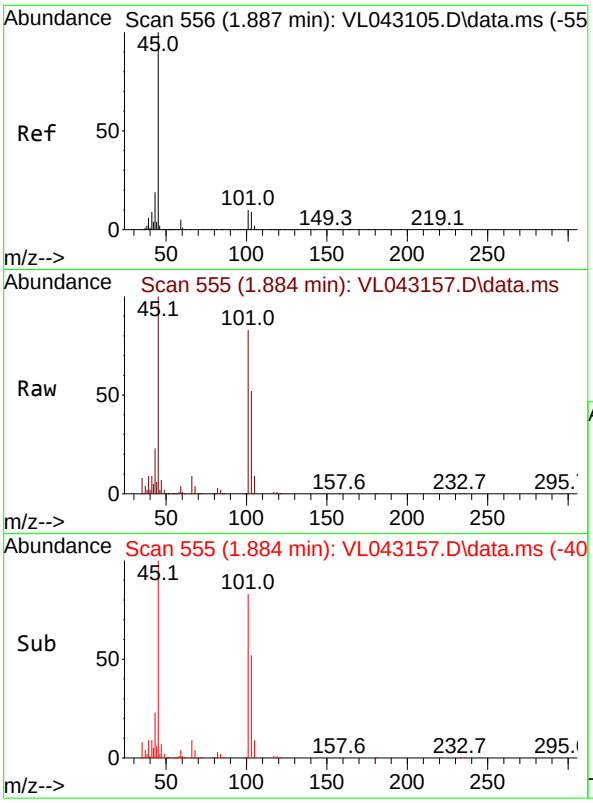


#18
1,1-Dichloroethene
Concen: 10.957 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 96 Resp: 59563

Ion	Ratio	Lower	Upper
96	100		
61	185.0	173.4	260.0
98	63.3	53.2	79.8

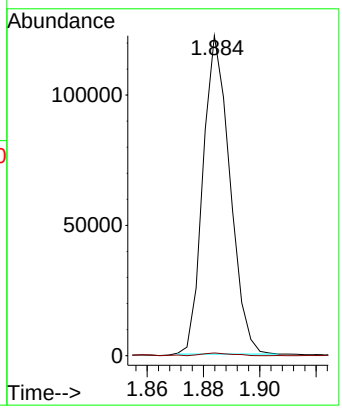




#19
Isopropyl Alcohol
Concen: 8.657 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 45 Resp: 8094

Ion	Ratio	Lower	Upper
45	100		
58	44.1	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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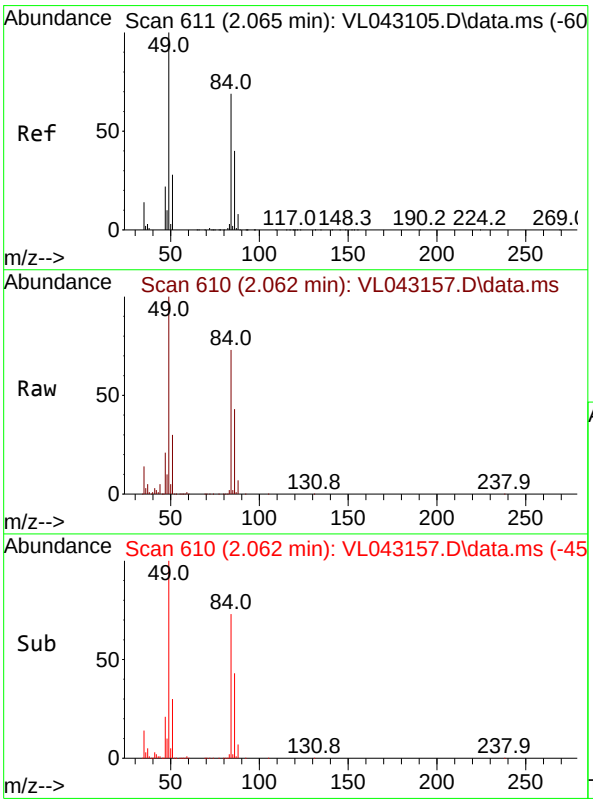
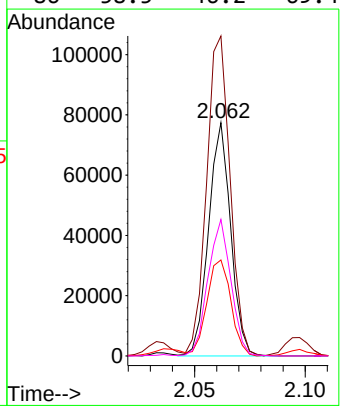
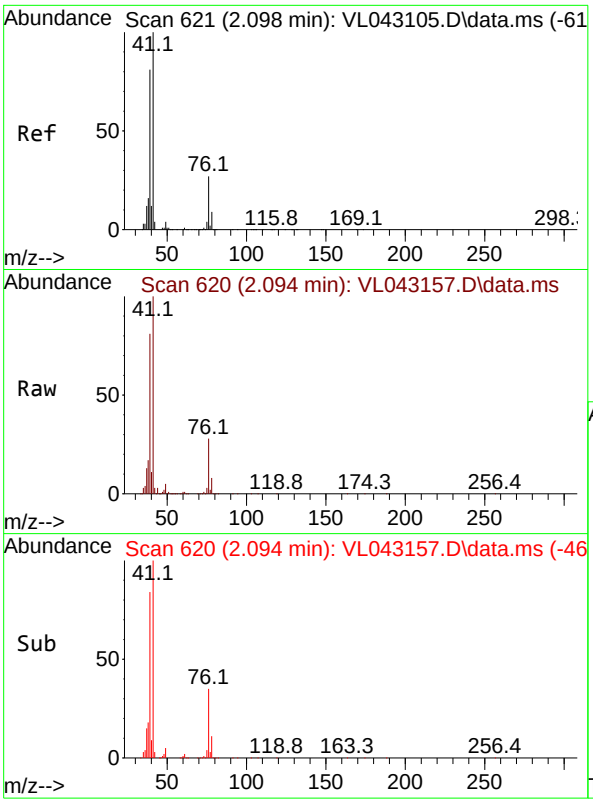


#20
Methylene Chloride
Concen: 9.085 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 84 Resp: 53912

Ion	Ratio	Lower	Upper
84	100		
49	135.7	116.6	175.0
51	40.7	34.8	52.2
86	58.5	46.2	69.4

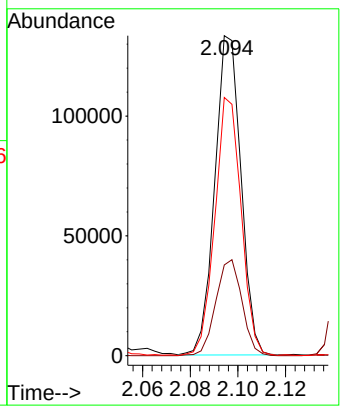




#21
Allyl Chloride
Concen: 9.210 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 41 Resp: 10187

Ion	Ratio	Lower	Upper
41	100		
76	30.0	21.5	32.3
39	81.2	60.8	91.2



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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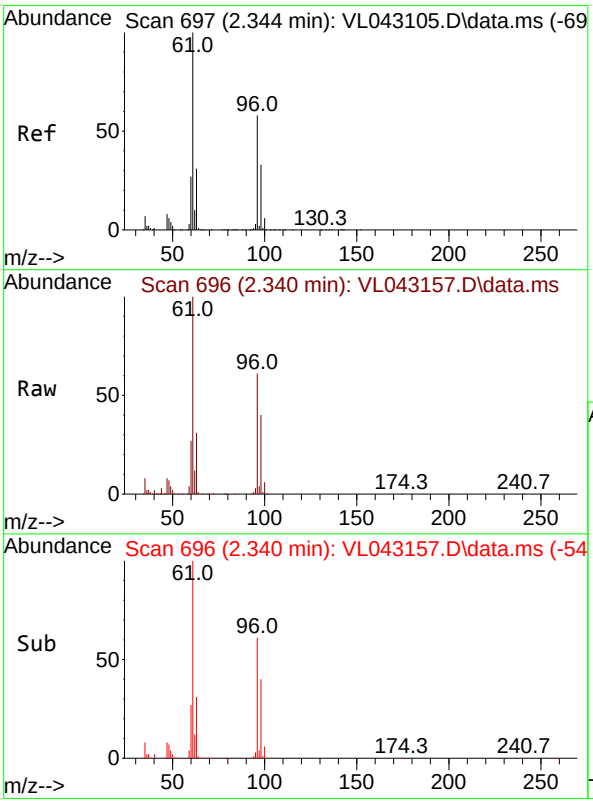
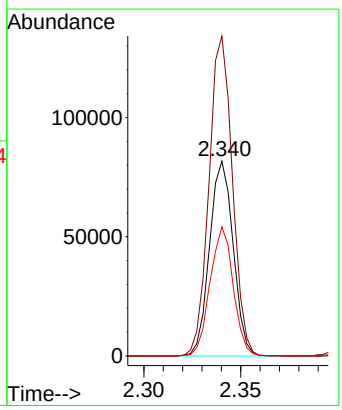
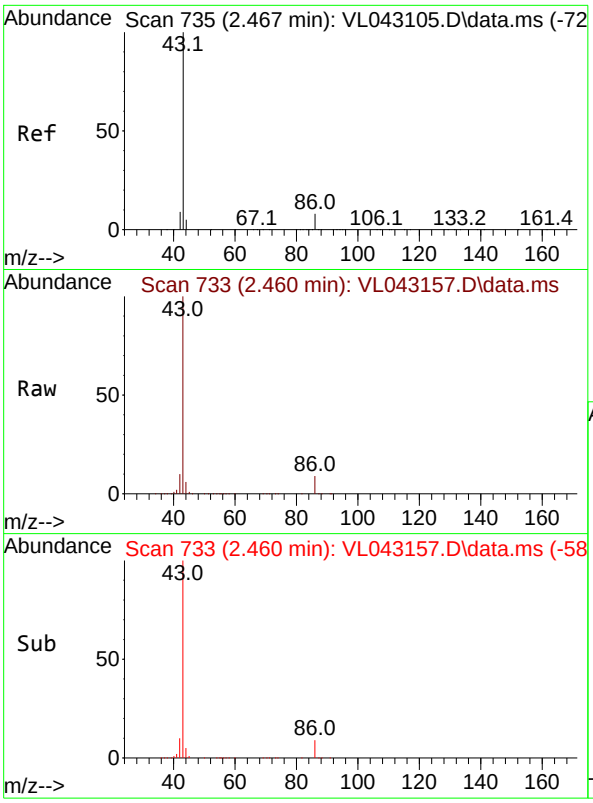


#22
trans-1,2-Dichloroethene
Concen: 10.665 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 96 Resp: 69305

Ion	Ratio	Lower	Upper
96	100		
61	164.1	137.0	205.6
98	66.3	45.5	68.3

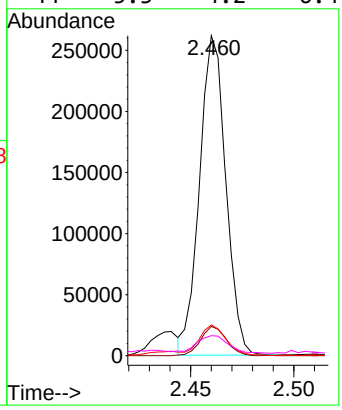




#23
Vinyl Acetate
Concen: 10.556 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 23212

Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.2	9.2
42	9.5	7.6	11.4
44	5.3	4.2	6.4



Instrument :
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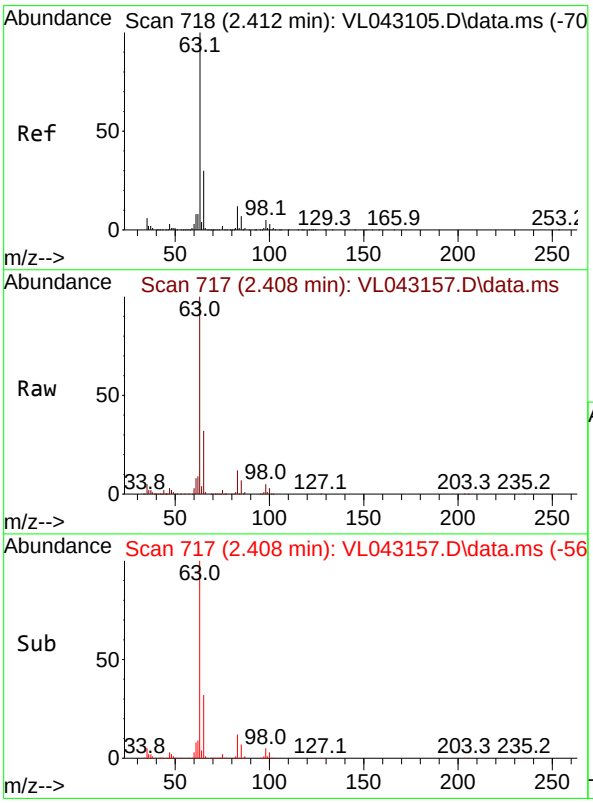
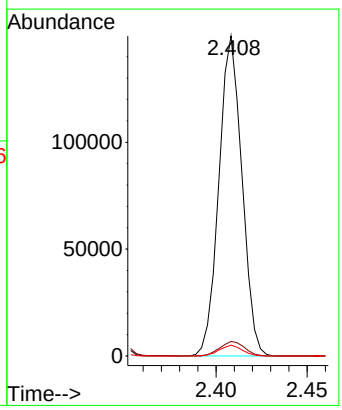
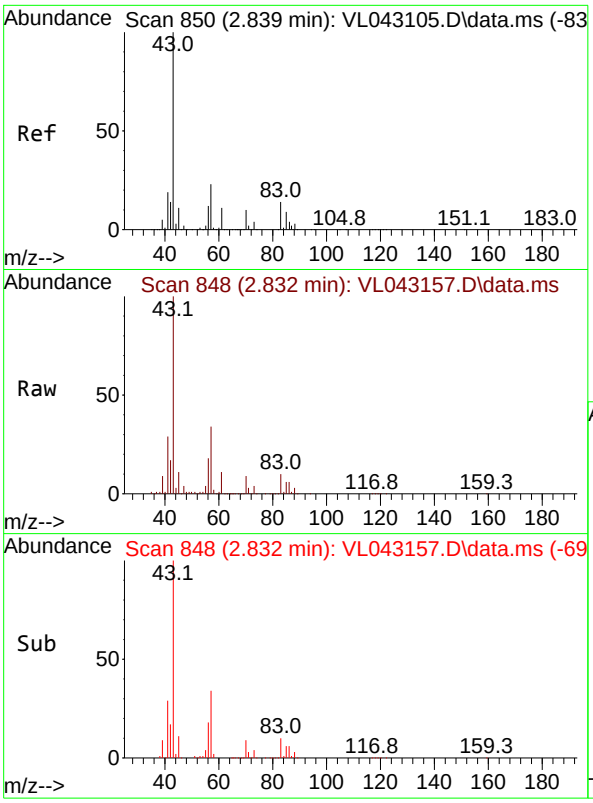


#24
1,1-Dichloroethane
Concen: 10.482 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 63 Resp: 131599

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.6	7.8
100	3.4	1.5	4.4

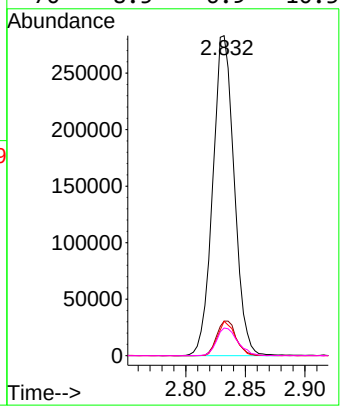




#25
Ethyl Acetate
Concen: 9.513 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 35415

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.0	7.0	10.6
70	8.5	6.9	10.3



Instrument :
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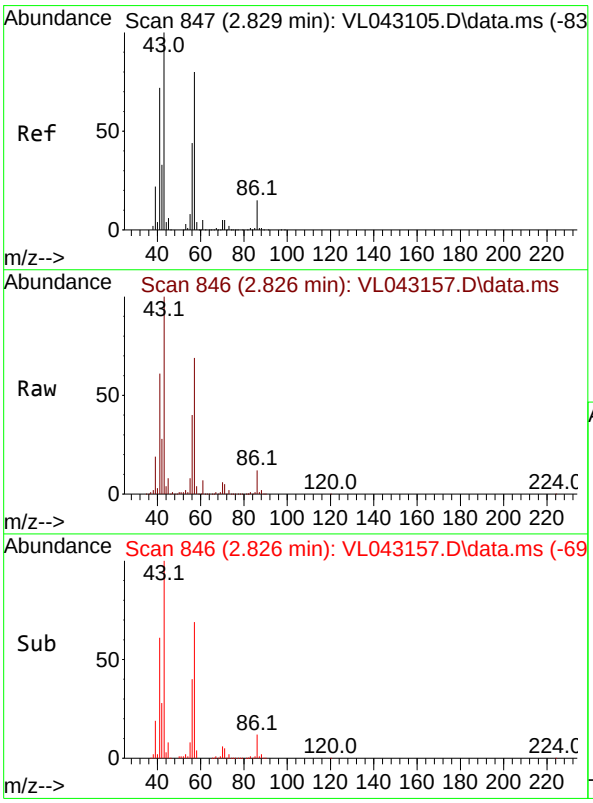
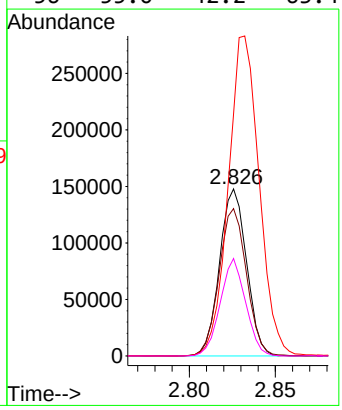
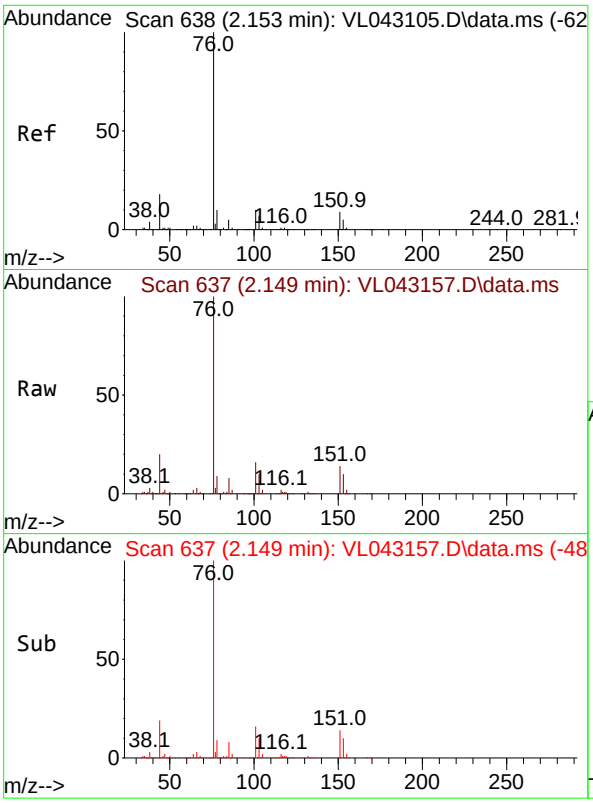


#26
Hexane
Concen: 9.387 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 57 Resp: 161029

Ion	Ratio	Lower	Upper
57	100		
41	90.3	71.4	107.0
43	220.2	178.5	267.7
56	55.0	42.2	63.4

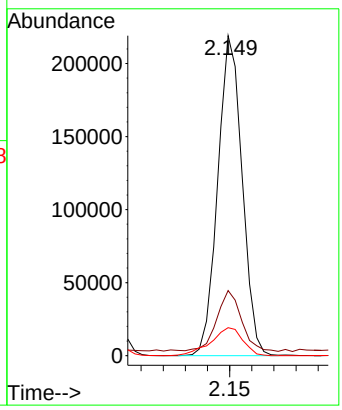




#27
Carbon Disulfide
Concen: 10.672 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 76 Resp: 16773

Ion	Ratio	Lower	Upper
76	100		
44	19.4	16.7	25.1
78	11.4	9.3	13.9



Instrument :
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ClientSampleId :
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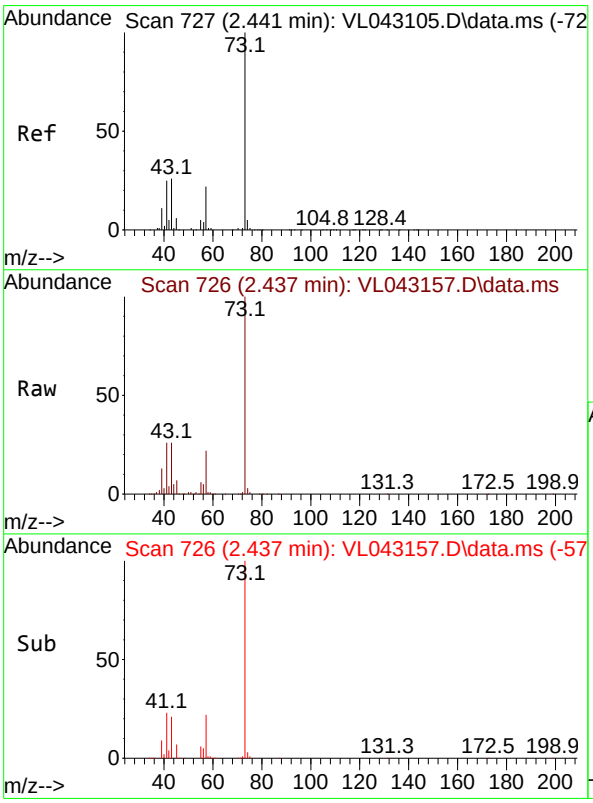
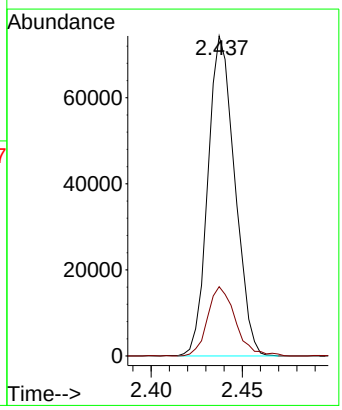
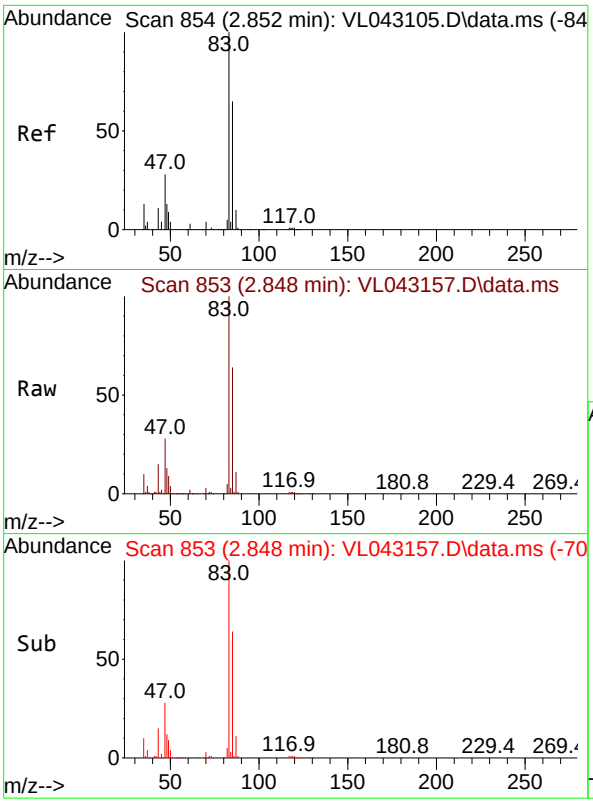


#28
Methyl tert-Butyl Ether
Concen: 9.775 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 73 Resp: 76290

Ion	Ratio	Lower	Upper
73	100		
57	22.4	20.5	30.7





#29
Chloroform
Concen: 10.958 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 83 Resp: 27237

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6

Instrument :
MSVOA_L
ClientSampleId :
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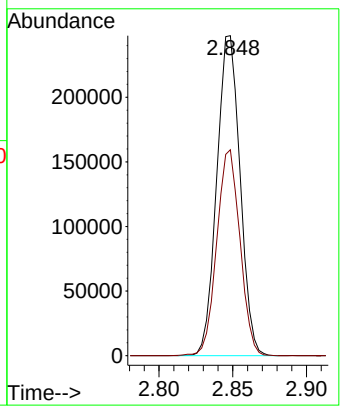
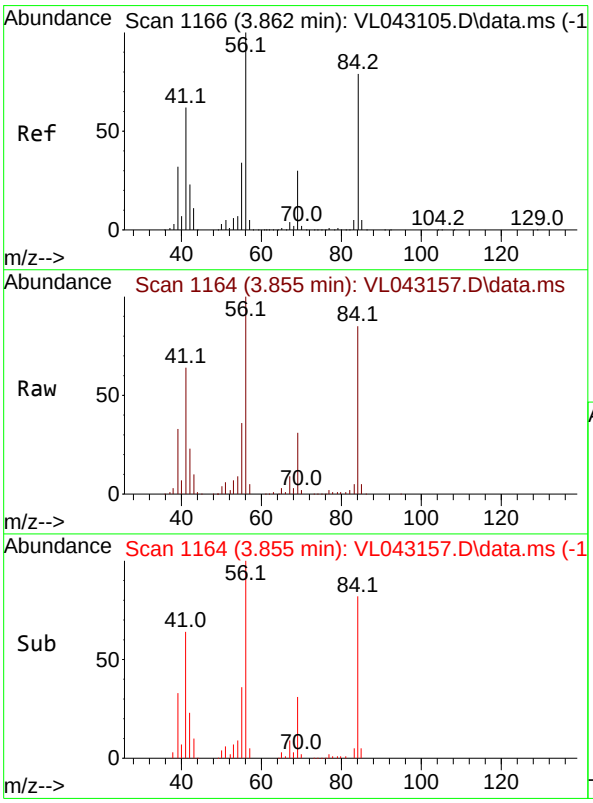
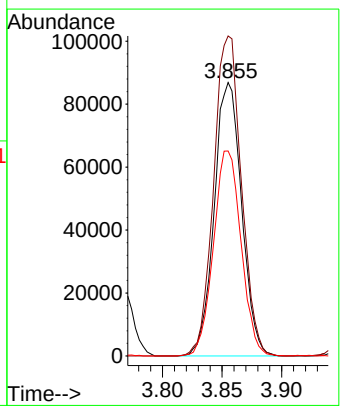


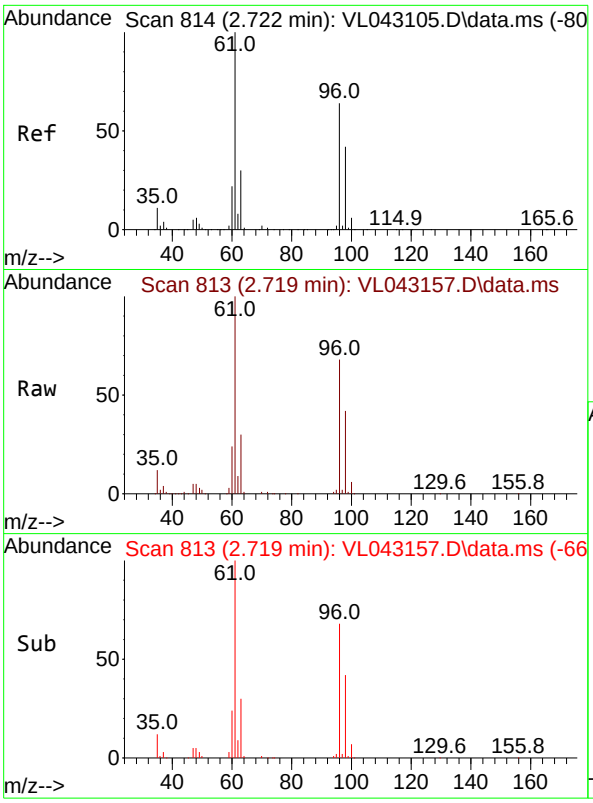


#30
Cyclohexane
Concen: 9.287 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 84 Resp: 139050

Ion	Ratio	Lower	Upper
84	100		
56	118.3	100.9	151.3
41	75.6	63.8	95.6

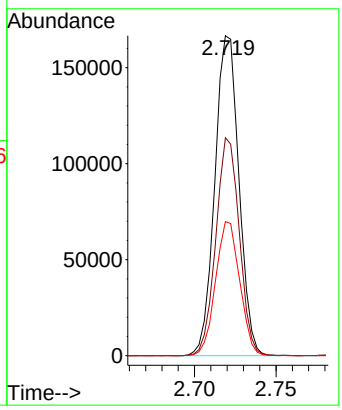




#31
cis-1,2-Dichloroethene
Concen: 10.456 ppbv
RT: 2.719 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 61 Resp: 17127

Ion	Ratio	Lower	Upper
61	100		
96	68.1	51.0	76.6
98	41.9	33.5	50.3



Instrument :
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ClientSampleId :
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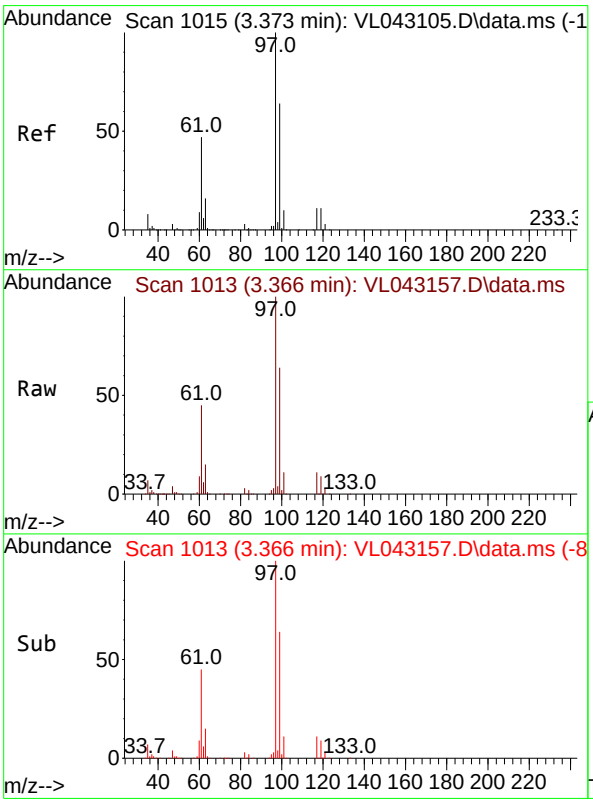
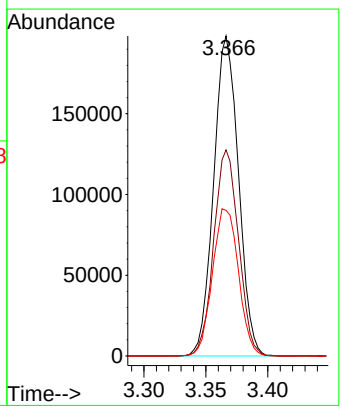
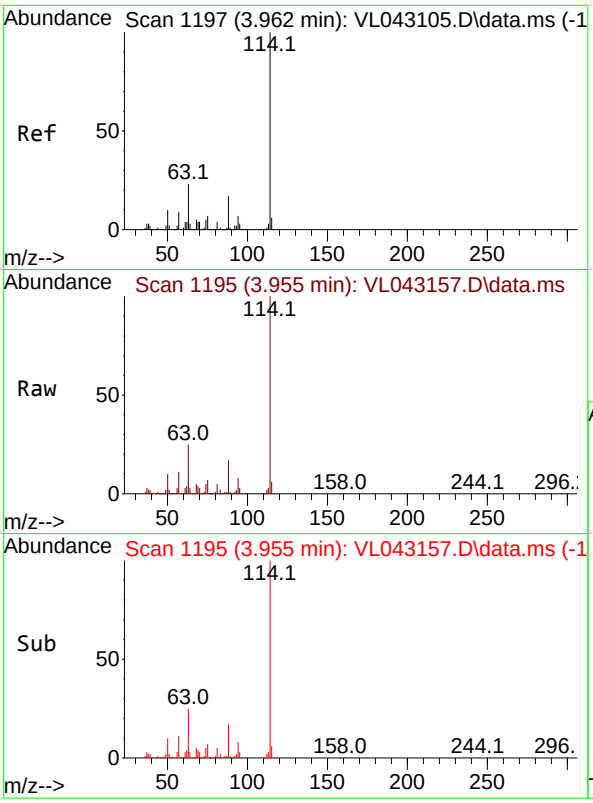


#32
1,1,1-Trichloroethane
Concen: 10.684 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 97 Resp: 276541

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	48.4	38.4	57.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:114 Resp: 34058

Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.3	28.9
88	17.6	13.9	20.9

Instrument :
MSVOA_L
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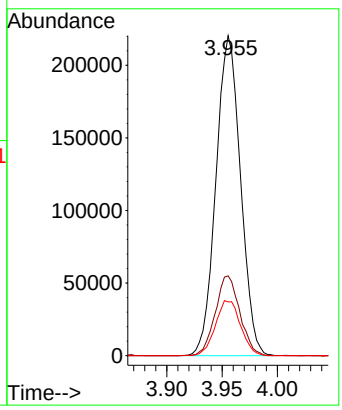
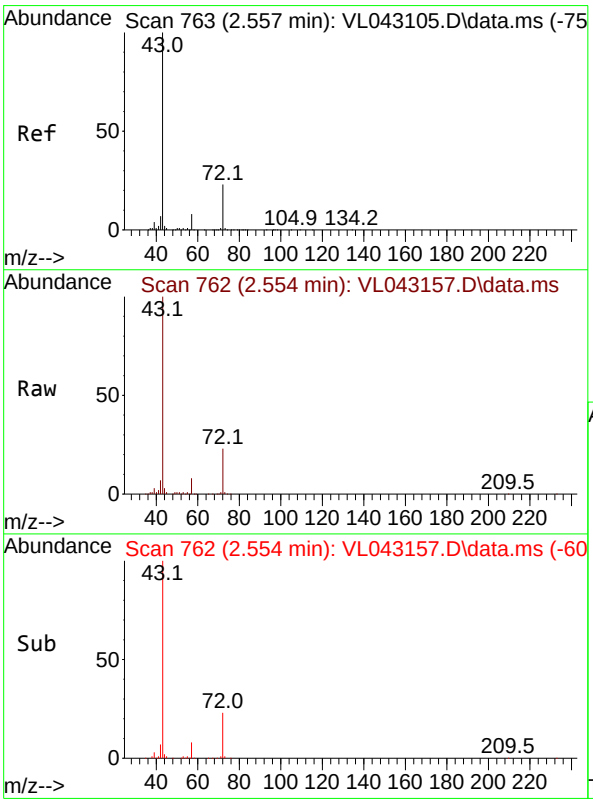
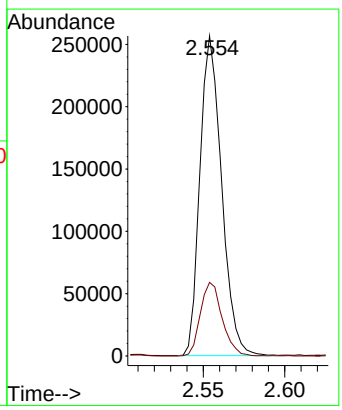


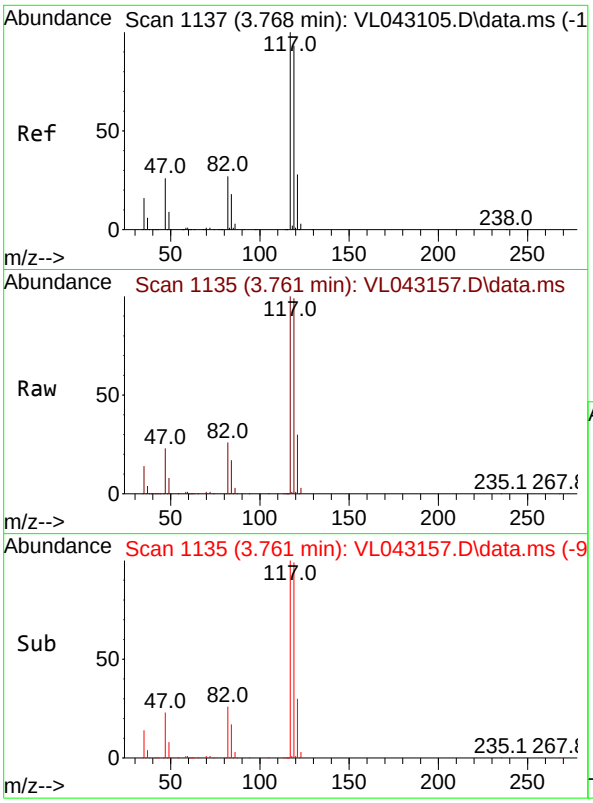


#34
2-Butanone
Concen: 10.367 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 237347

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.4	27.6

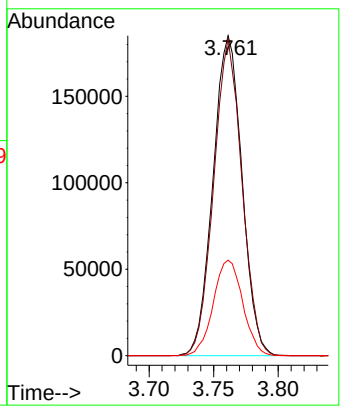




#35
Carbon Tetrachloride
Concen: 11.806 ppbv
RT: 3.761 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:117 Resp: 28909

Ion	Ratio	Lower	Upper
117	100		
119	98.9	74.1	111.1
121	29.9	22.2	33.2



Instrument :
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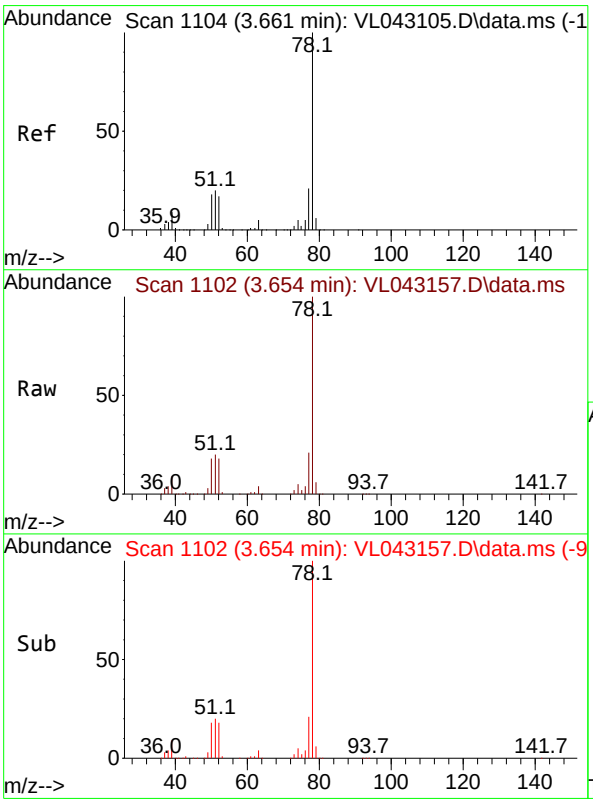
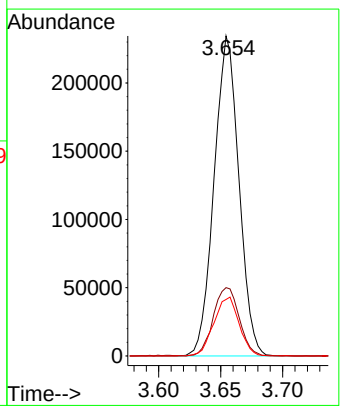
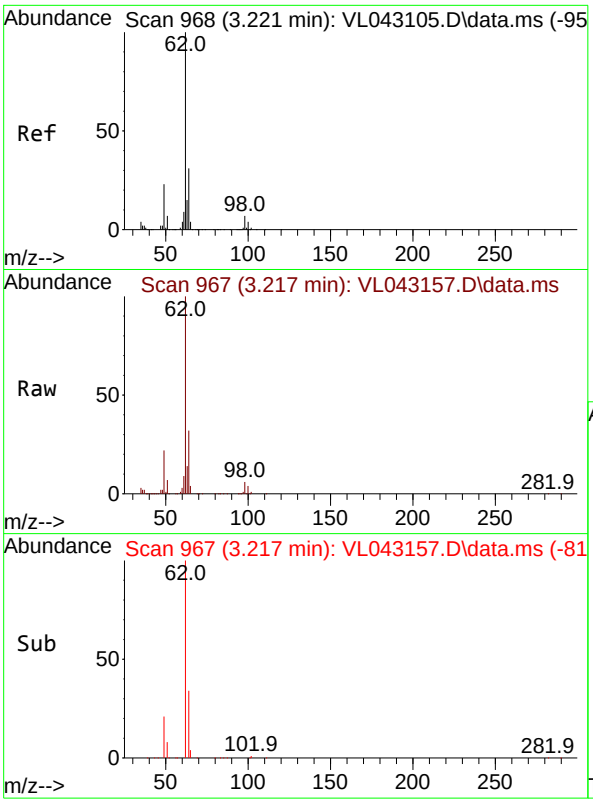


#36
Benzene
Concen: 10.193 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 78 Resp: 326982

Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.0	25.6
50	17.6	14.6	22.0

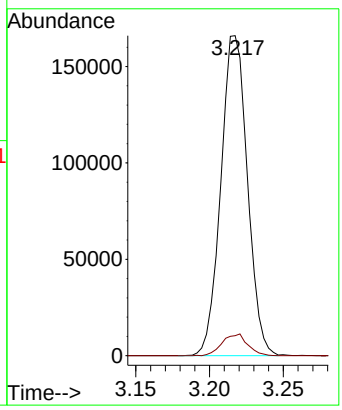




#37
1,2-Dichloroethane
Concen: 11.281 ppbv
RT: 3.217 min Scan# 9
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 62 Resp: 20846

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.8	8.6



Instrument :
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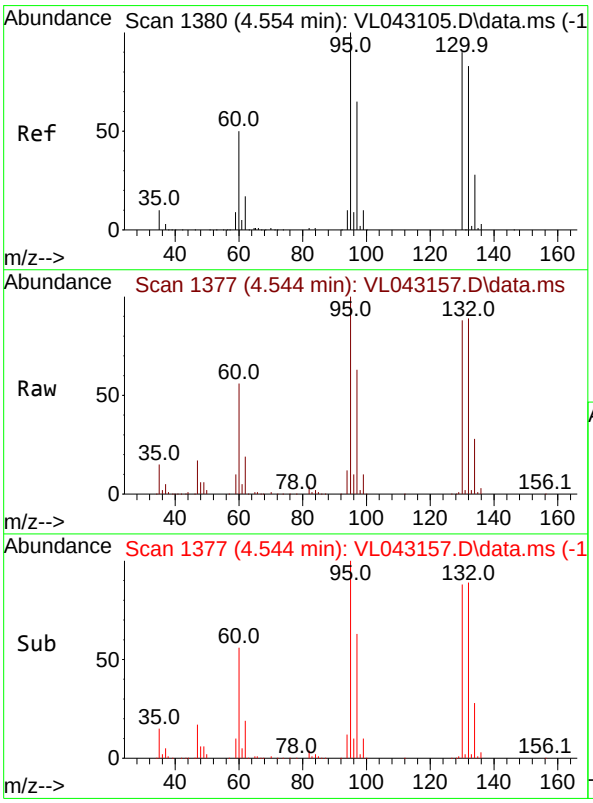
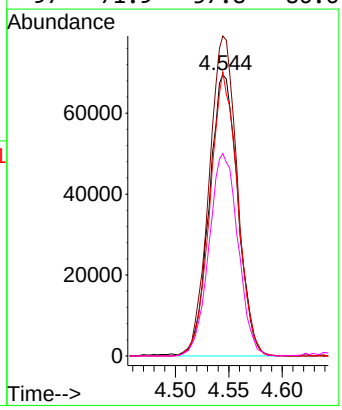
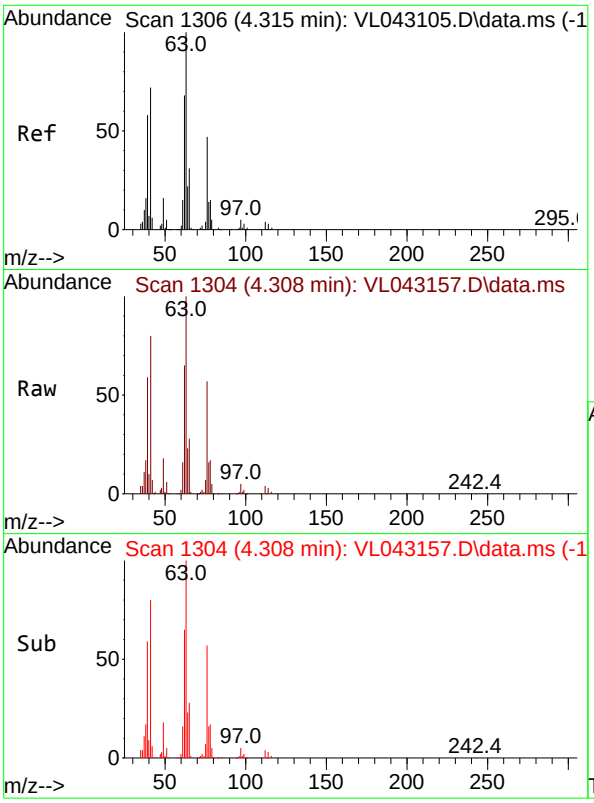


#38
Trichloroethene
Concen: 9.632 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:130 Resp: 129044

Ion	Ratio	Lower	Upper
130	100		
95	113.7	88.6	133.0
132	100.9	73.4	110.0
97	71.9	57.8	86.6

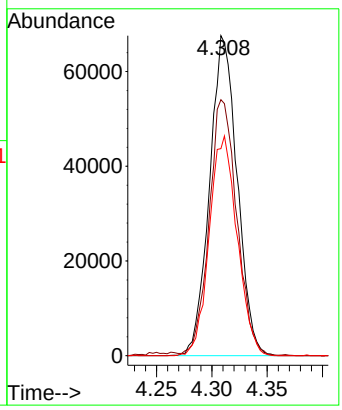




#39
1,2-Dichloropropane
Concen: 9.991 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 63 Resp: 11716

Ion	Ratio	Lower	Upper
63	100		
41	79.8	58.0	87.0
62	64.7	54.7	82.1



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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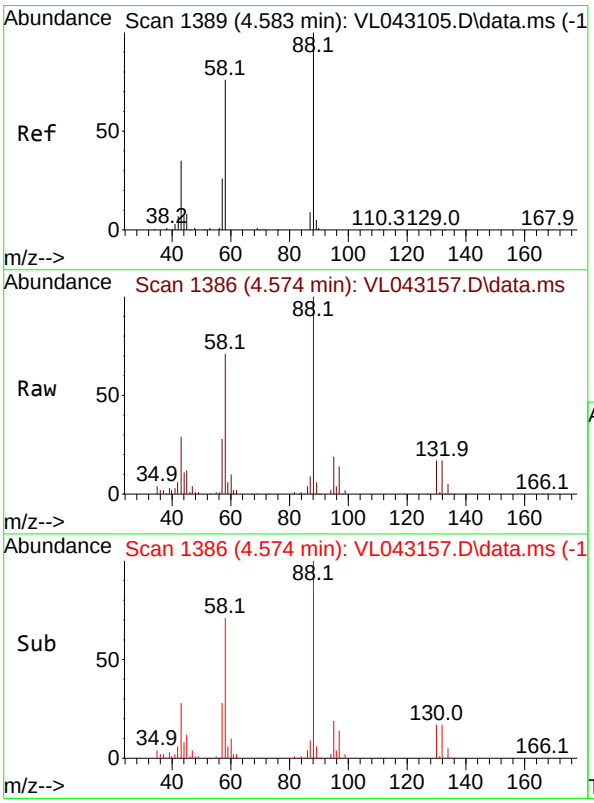
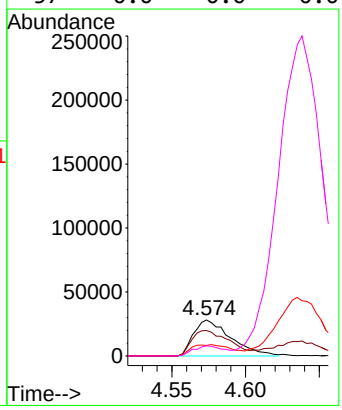
Supervised By :Mahesh Dadoda 11/10/2025

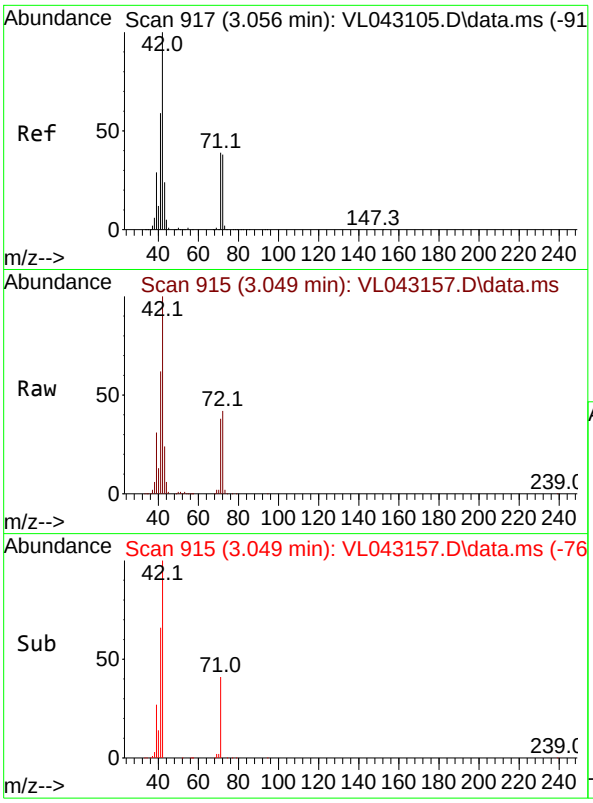


#40
1,4-Dioxane
Concen: 9.428 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 88 Resp: 49474

Ion	Ratio	Lower	Upper
88	100		
58	74.4	61.1	91.7
43	35.1	24.0	36.0
57	0.0	0.0	0.0

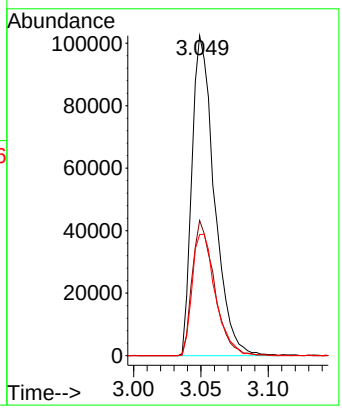




#41
Tetrahydrofuran
Concen: 9.265 ppbv
RT: 3.049 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 42 Resp: 11863

Ion	Ratio	Lower	Upper
42	100		
72	41.6	31.3	46.9
71	39.6	30.4	45.6



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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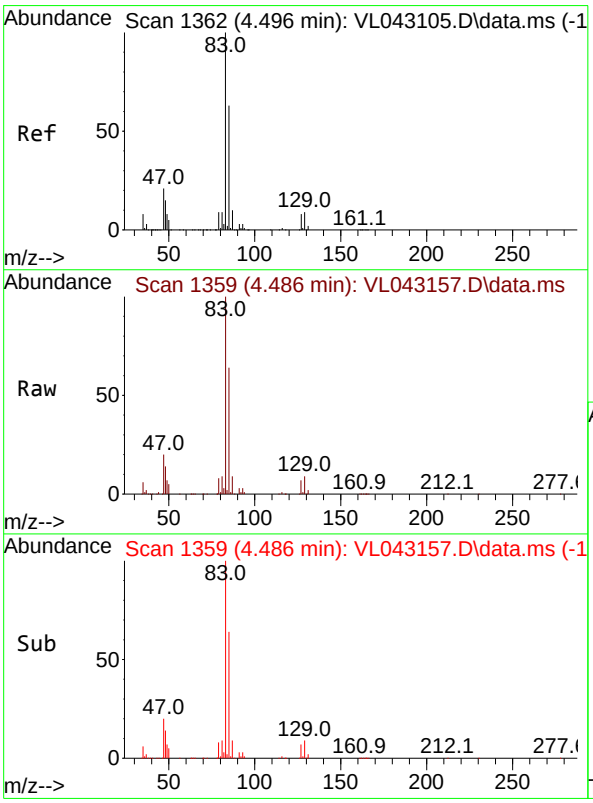
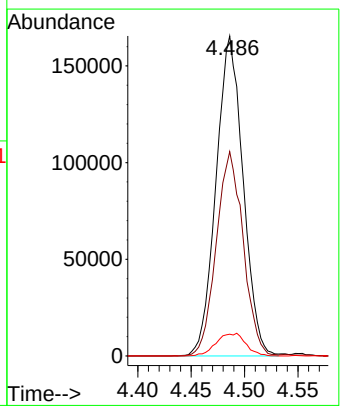
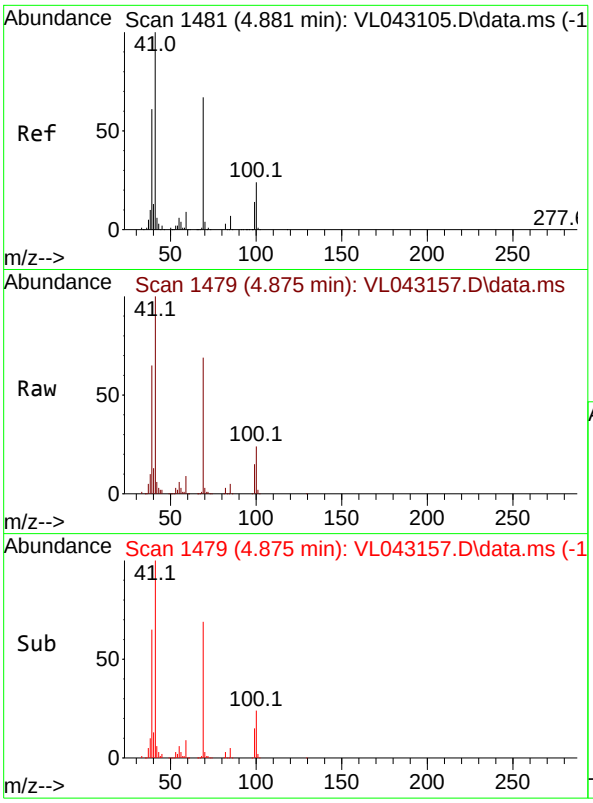


#42
Bromodichloromethane
Concen: 11.387 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 83 Resp: 291226

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	75.8
127	6.8	6.3	9.5

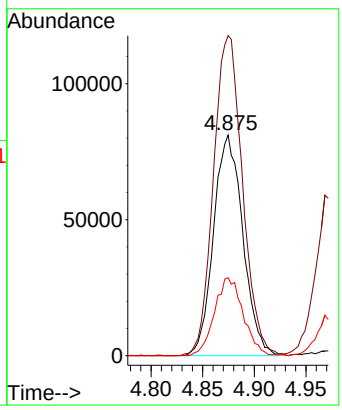




#43
Methyl Methacrylate
Concen: 9.821 ppbv
RT: 4.875 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 69 Resp: 16001

Ion	Ratio	Lower	Upper
69	100		
41	143.7	120.5	180.7
100	34.6	29.0	43.4



Instrument :
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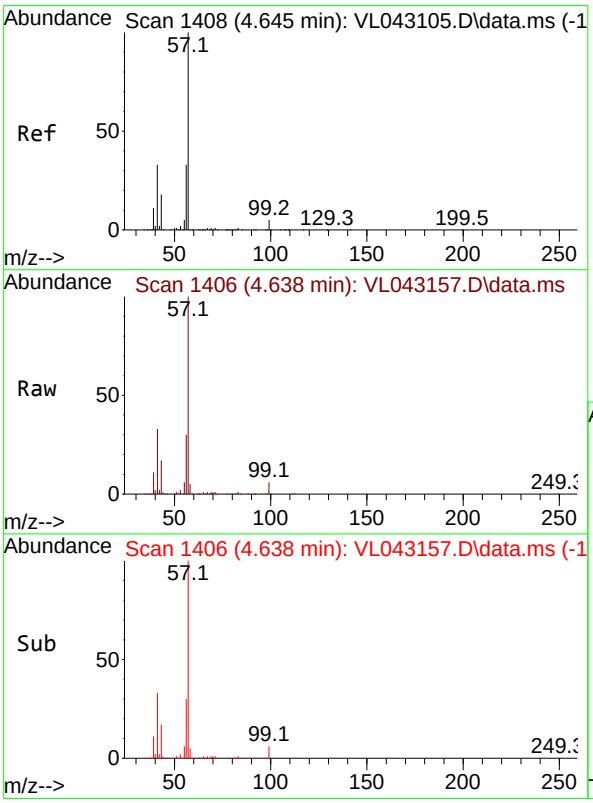
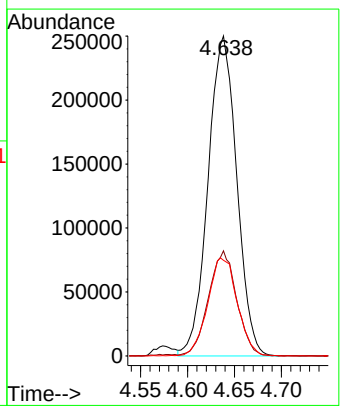
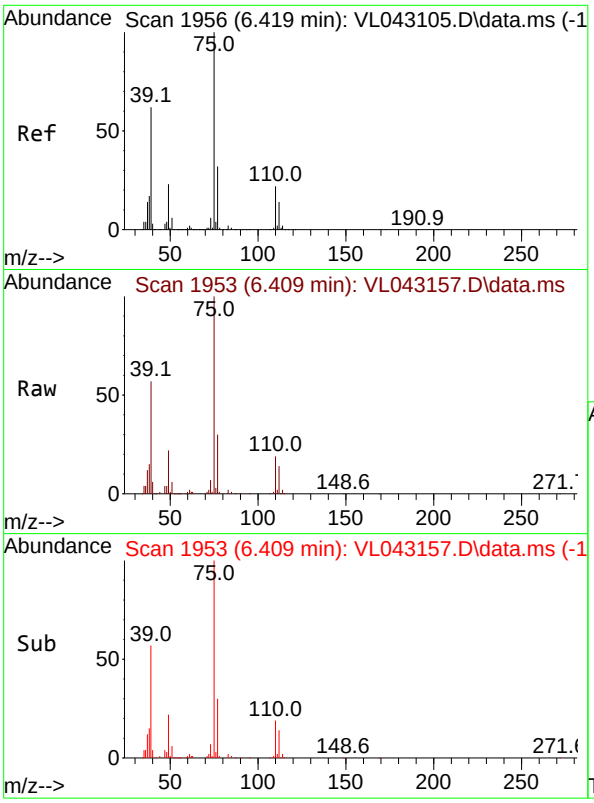


#44
2,2,4-Trimethylpentane
Concen: 9.828 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 57 Resp: 531922

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.3	39.5
56	31.6	25.9	38.9

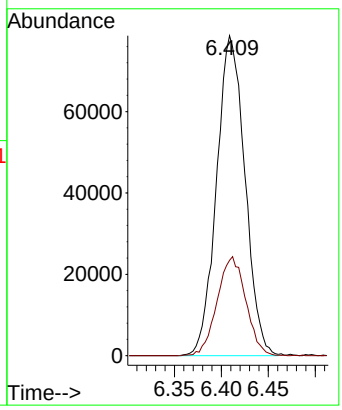




#45
t-1,3-Dichloropropene
Concen: 10.111 ppbv
RT: 6.409 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 75 Resp: 16531

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.4	38.2



Instrument :
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ClientSampleId :
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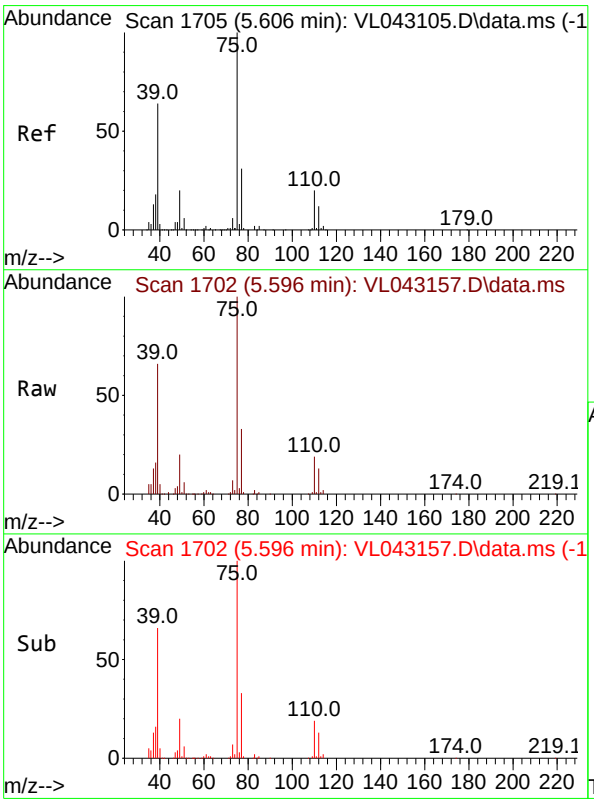
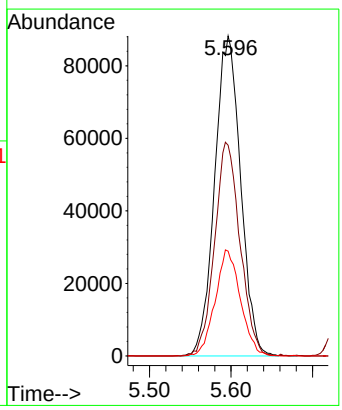
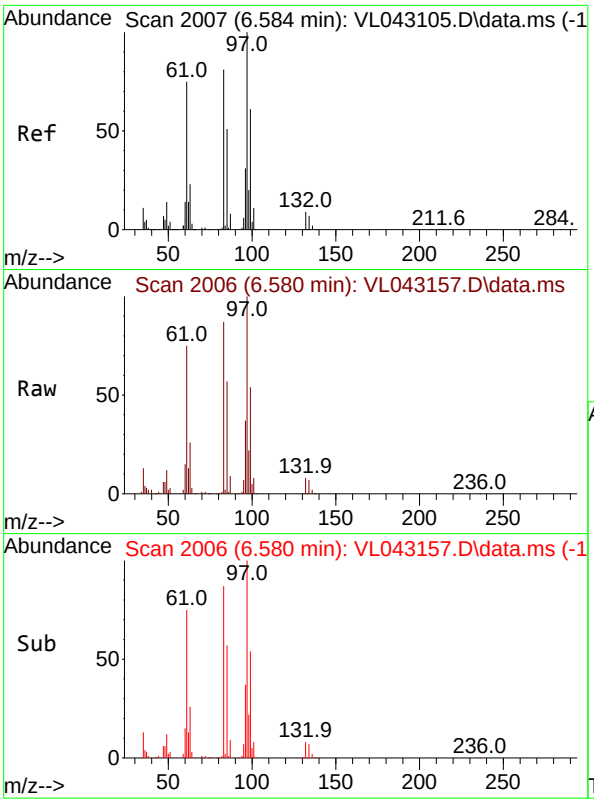


#46
cis-1,3-Dichloropropene
Concen: 10.001 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 75 Resp: 195336

Ion	Ratio	Lower	Upper
75	100		
39	65.7	51.0	76.6
77	32.7	25.0	37.4

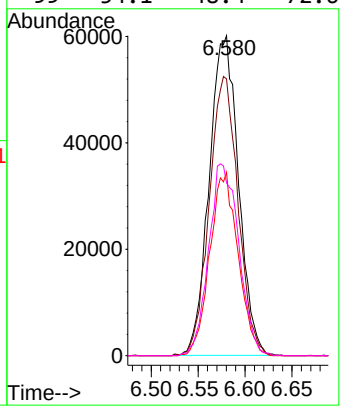




#47
1,1,2-Trichloroethane
Concen: 10.270 ppbv
RT: 6.580 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 97 Resp: 13006

Ion	Ratio	Lower	Upper
97	100		
83	86.4	64.6	96.8
85	57.4	40.6	60.8
99	54.1	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
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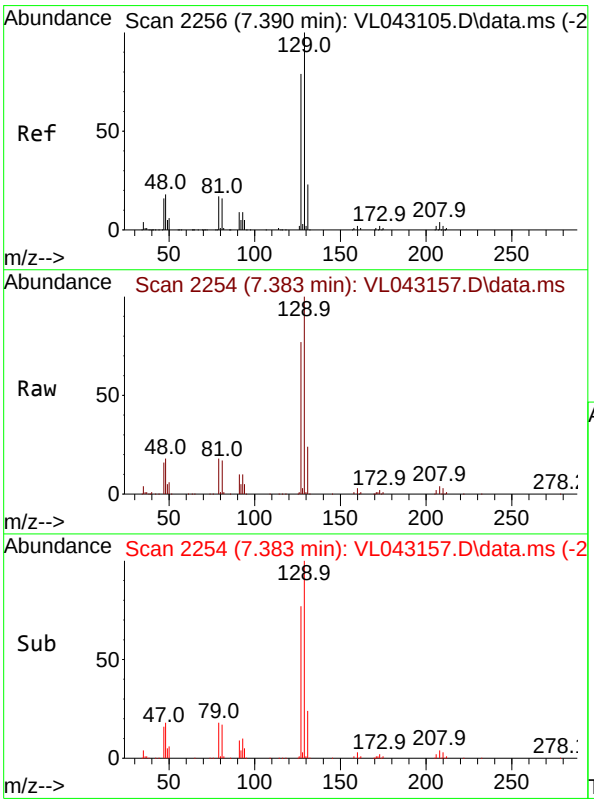
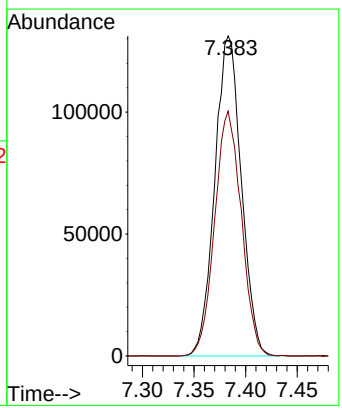
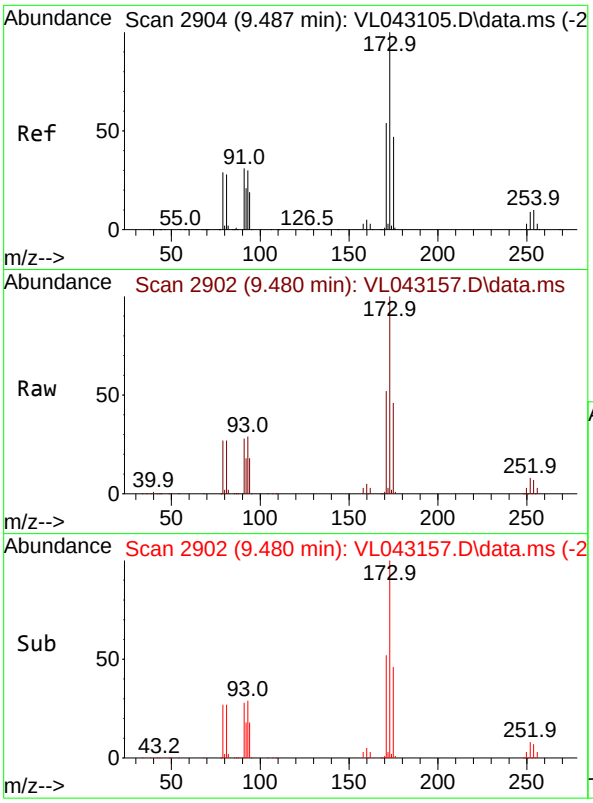


#48
Dibromochloromethane
Concen: 11.091 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:129 Resp: 234841

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.3	117.9





#49
Bromoform
Concen: 11.573 ppbv
RT: 9.480 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:173 Resp: 19919

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.8	58.2
171	52.7	41.7	62.5

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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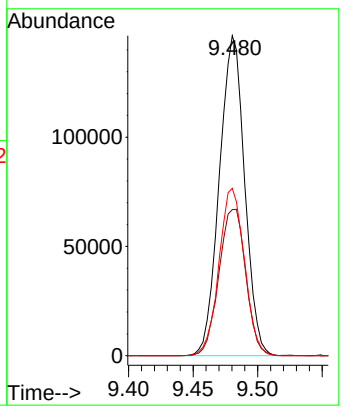
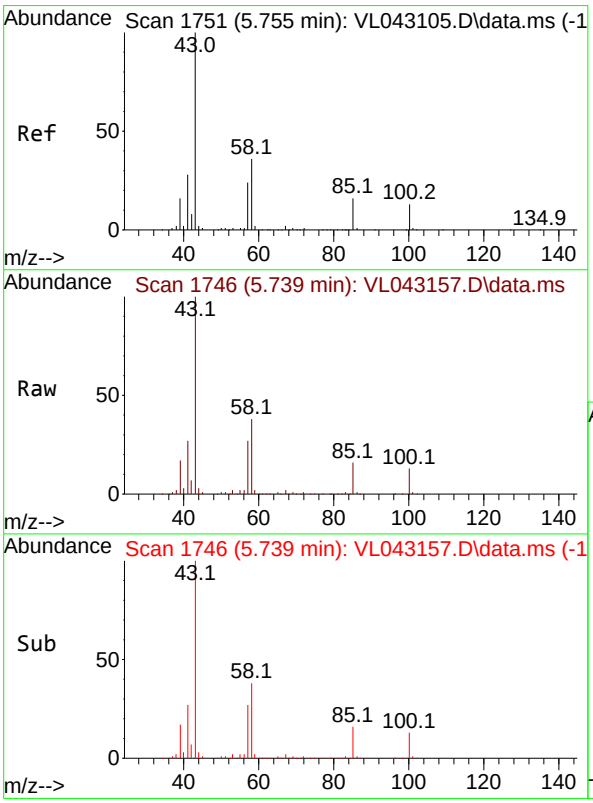
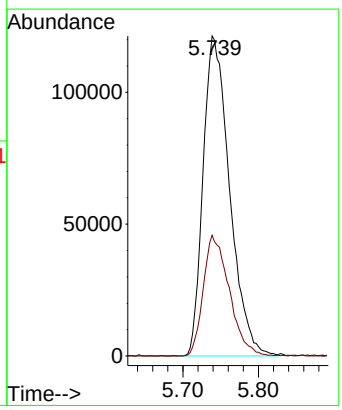


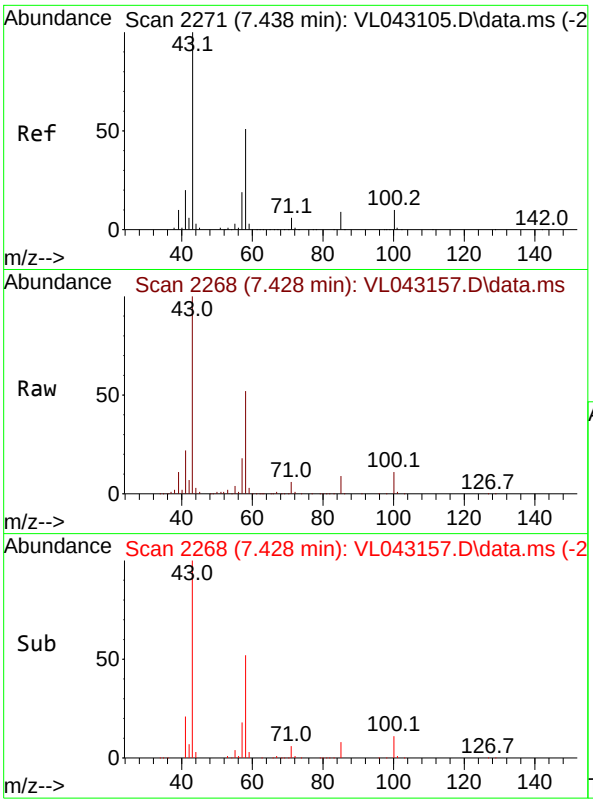


#50
4-Methyl-2-Pentanone
Concen: 9.361 ppbv
RT: 5.739 min Scan# 1746
Delta R.T. -0.016 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 295763

Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.1	43.7





#51
2-Hexanone
Concen: 9.599 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 22747

Ion	Ratio	Lower	Upper
43	100		
58	50.1	40.4	60.6
98	0.4	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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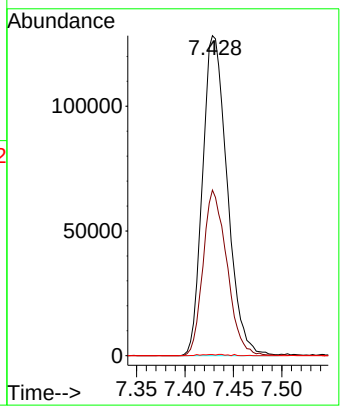
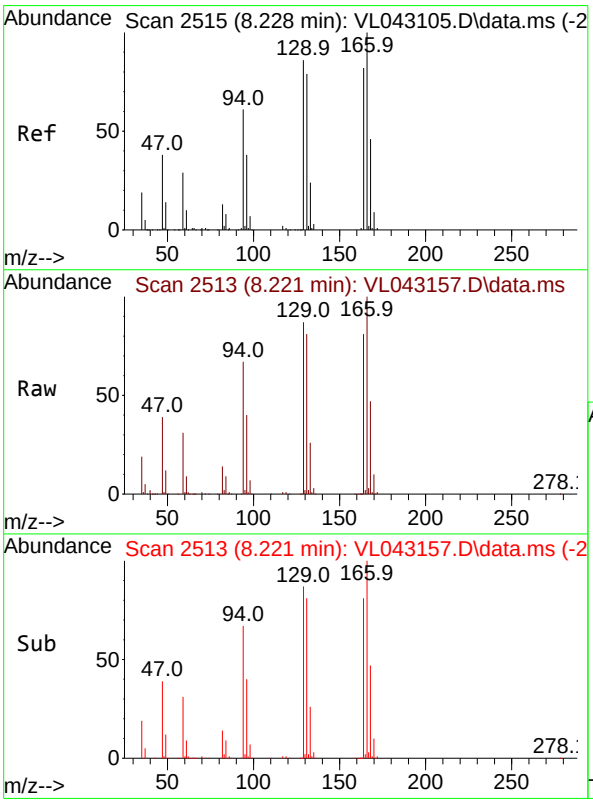
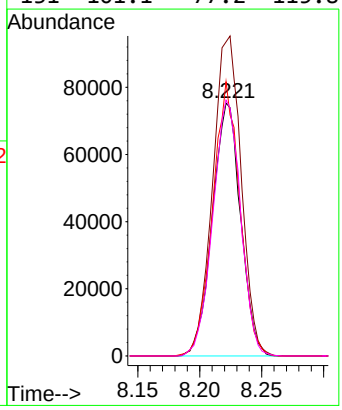


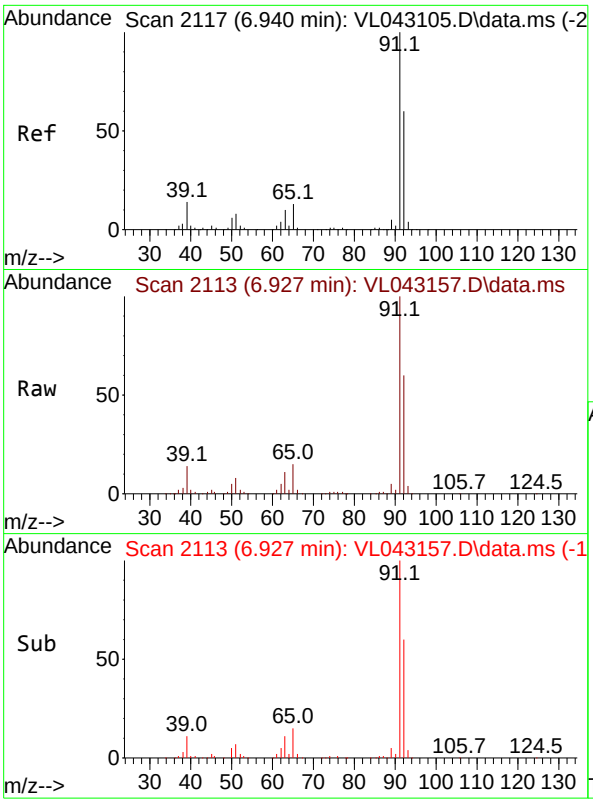


#52
Tetrachloroethene
Concen: 10.312 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:164 Resp: 119279

Ion	Ratio	Lower	Upper
164	100		
166	124.1	97.6	146.4
129	108.3	84.5	126.7
131	101.1	77.2	115.8

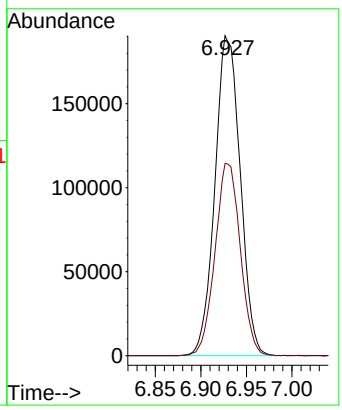




#53
Toluene
Concen: 9.679 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 36848

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.8	73.2



Instrument :
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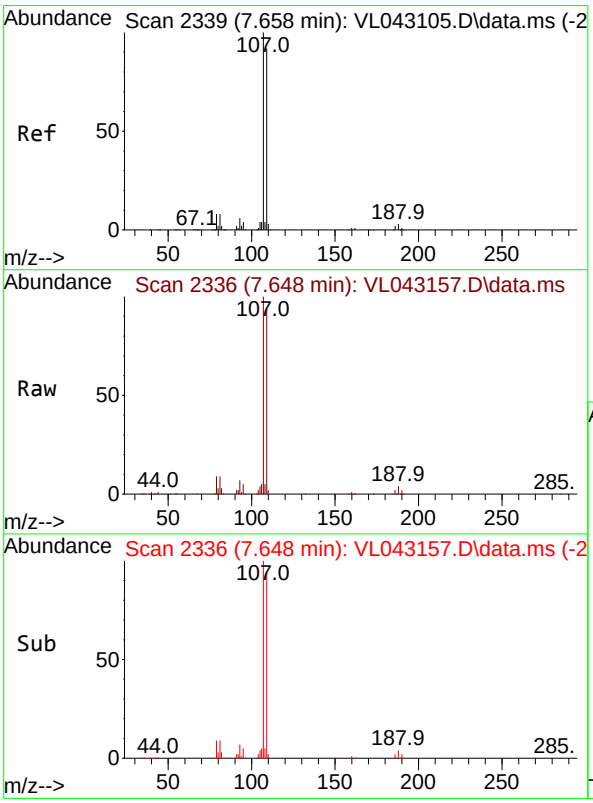
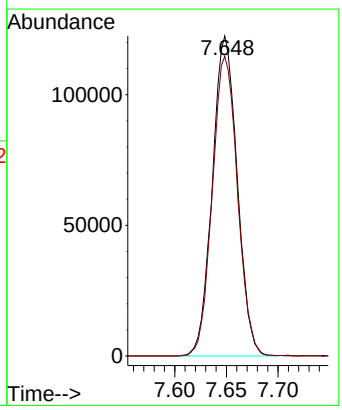
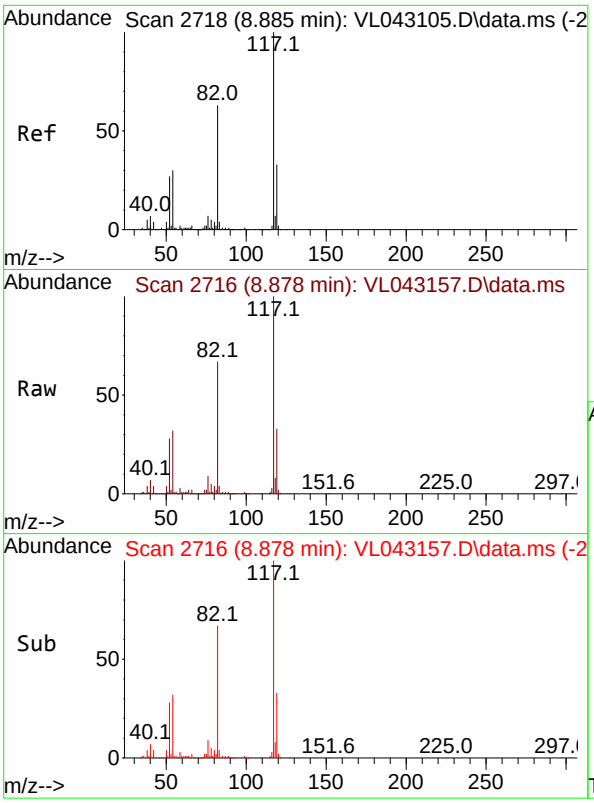


#54
1,2-Dibromoethane
Concen: 10.345 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:107 Resp: 205210

Ion	Ratio	Lower	Upper
107	100		
109	93.6	73.4	110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:117 Resp: 29952

Ion	Ratio	Lower	Upper
117	100		
82	68.6	53.8	80.8
119	30.9	25.4	38.0

Instrument :
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ClientSampleId :
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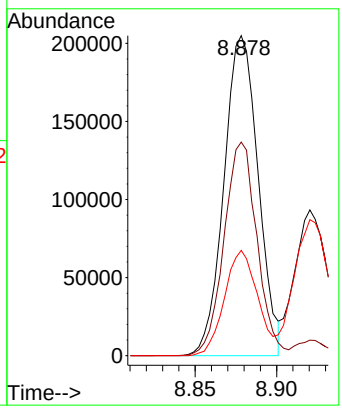
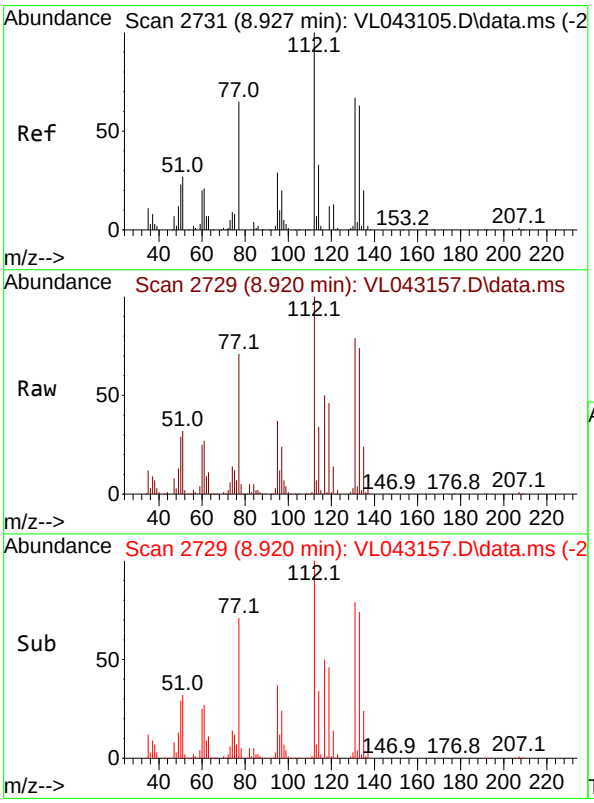
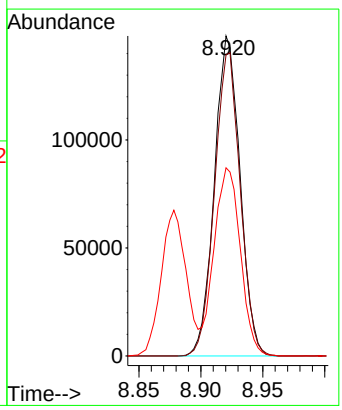


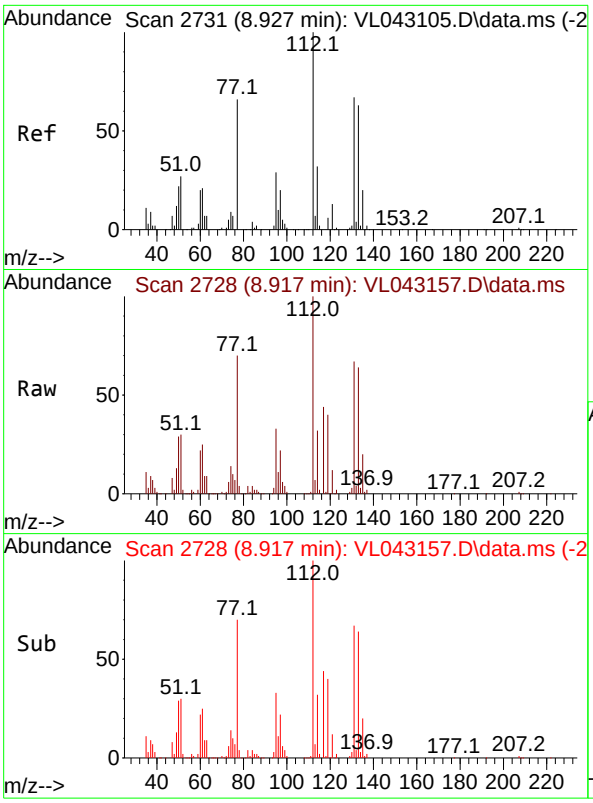


#56
1,1,1,2-Tetrachloroethane
Concen: 11.314 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:131 Resp: 213620

Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.7	113.5
119	60.9	50.6	76.0

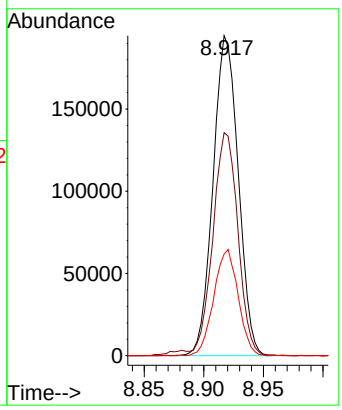




#57
Chlorobenzene
Concen: 10.219 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:112 Resp: 28634

Ion	Ratio	Lower	Upper
112	100		
77	69.7	53.3	79.9
114	31.7	29.3	35.8



Instrument :
MSVOA_L
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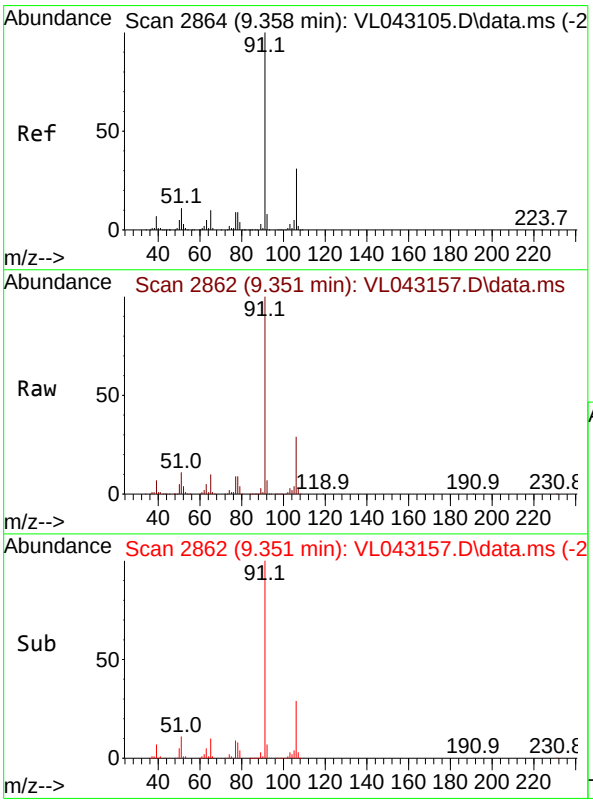
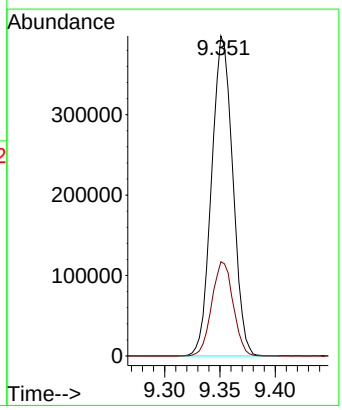
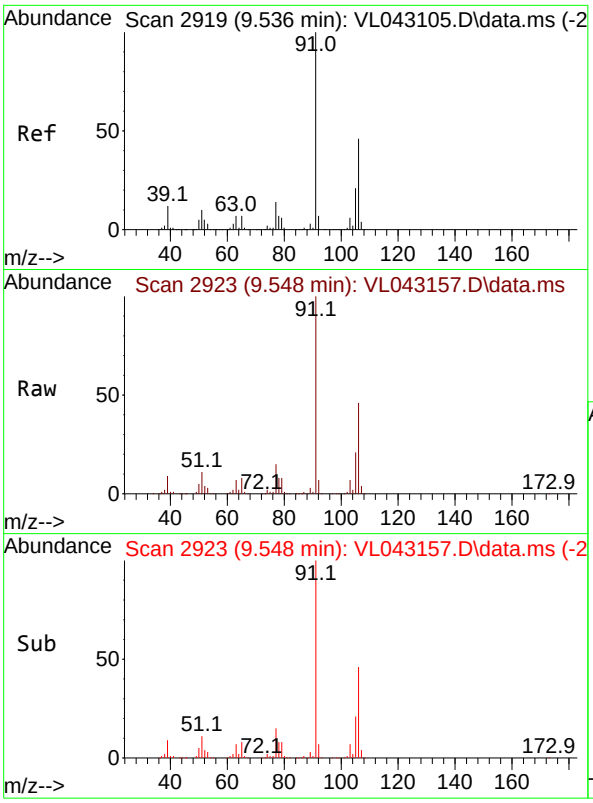


#58
Ethyl Benzene
Concen: 10.307 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 529847

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.8	37.2





#59
m/p-Xylene
Concen: 20.888 ppbv m
RT: 9.548 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 85642

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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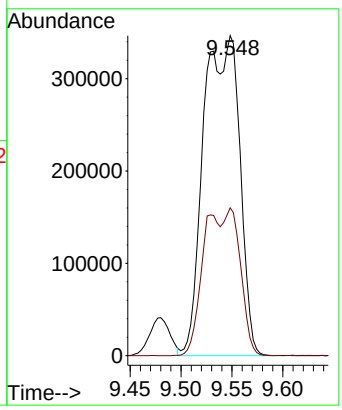
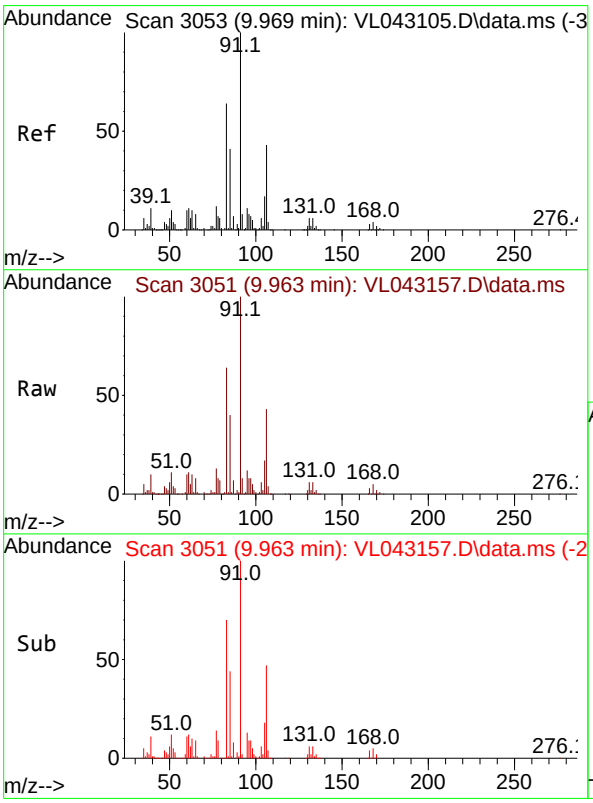
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

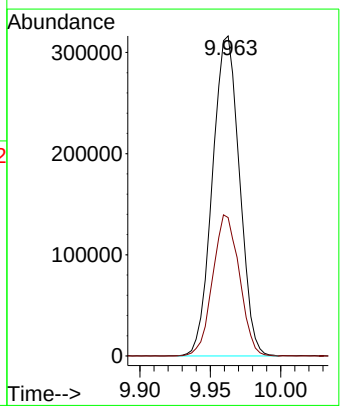


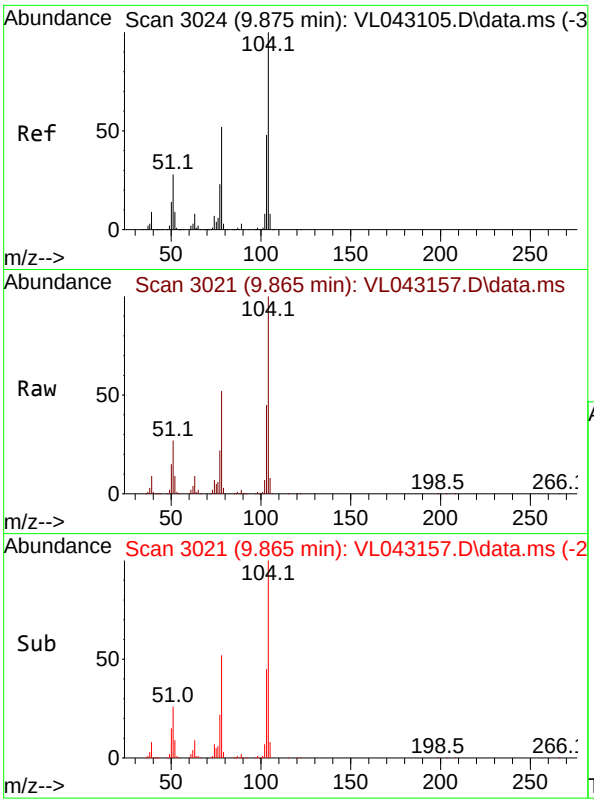


#60
o-Xylene
Concen: 10.442 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 422838

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.9	65.8

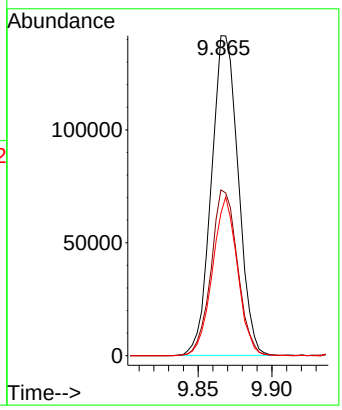




#61
Styrene
Concen: 9.802 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:104 Resp: 17919

Ion	Ratio	Lower	Upper
104	100		
78	51.2	40.2	60.2
103	46.3	36.9	55.3



Instrument :
MSVOA_L
ClientSampleId :
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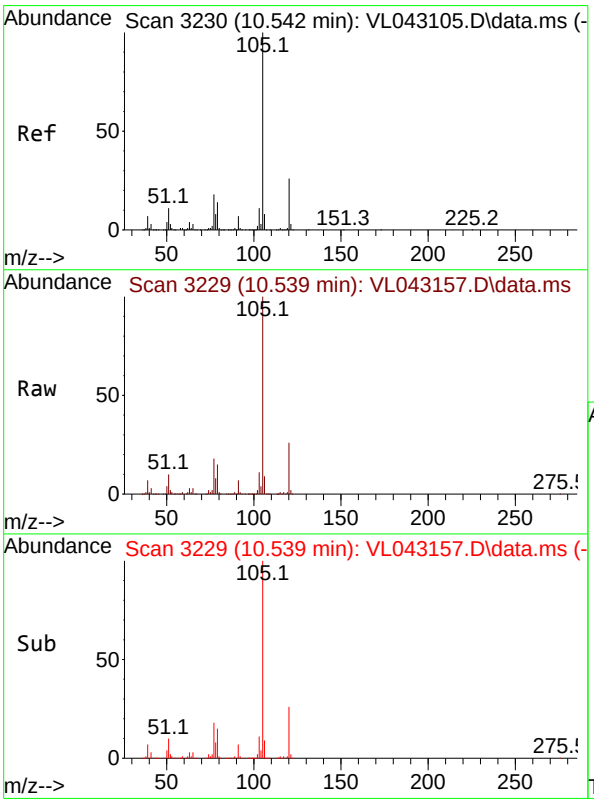
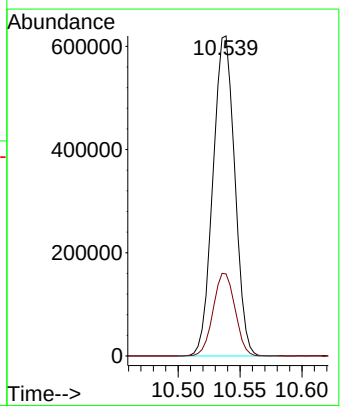
Supervised By :Mahesh Dadoda 11/10/2025

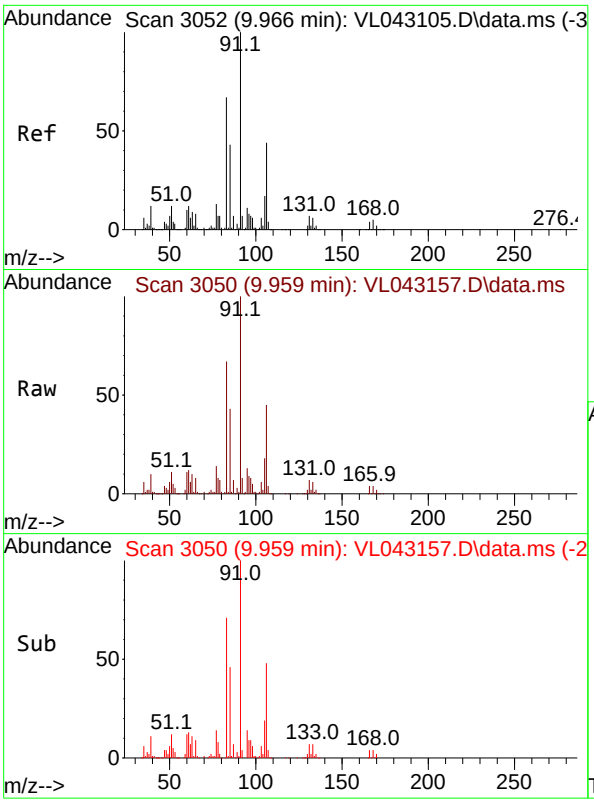


#62
Isopropylbenzene
Concen: 10.416 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 762154

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.2	30.4





#63
1,1,2,2-Tetrachloroethane
Concen: 9.947 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 83 Resp: 26972

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	65.2	32.0	96.0

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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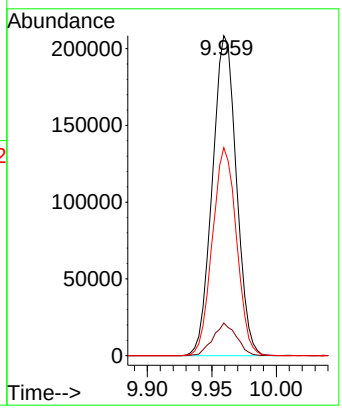
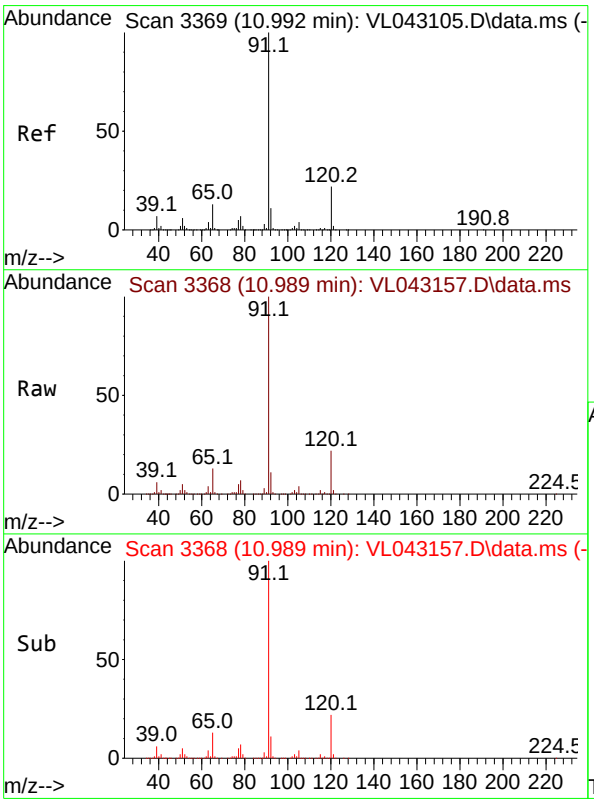
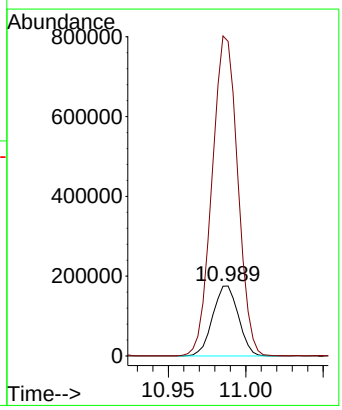


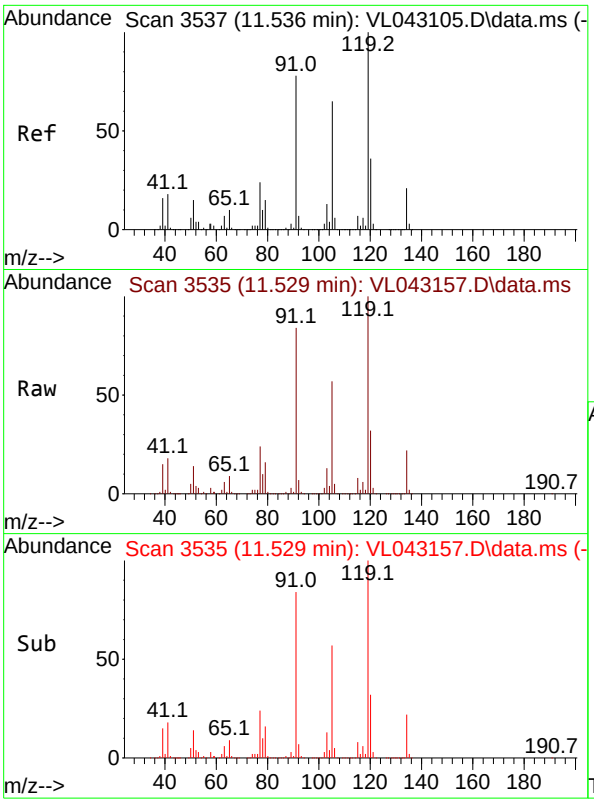


#64
n-propylbenzene
Concen: 10.424 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:120 Resp: 201938

Ion	Ratio	Lower	Upper
120	100		
91	458.0	361.6	542.4

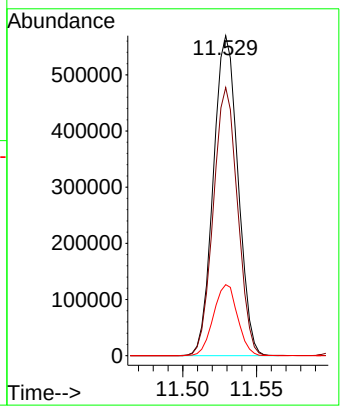




#65
tert-Butylbenzene
Concen: 10.254 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:119 Resp: 66257

Ion	Ratio	Lower	Upper
119	100		
91	82.4	63.4	95.0
134	21.7	17.3	25.9



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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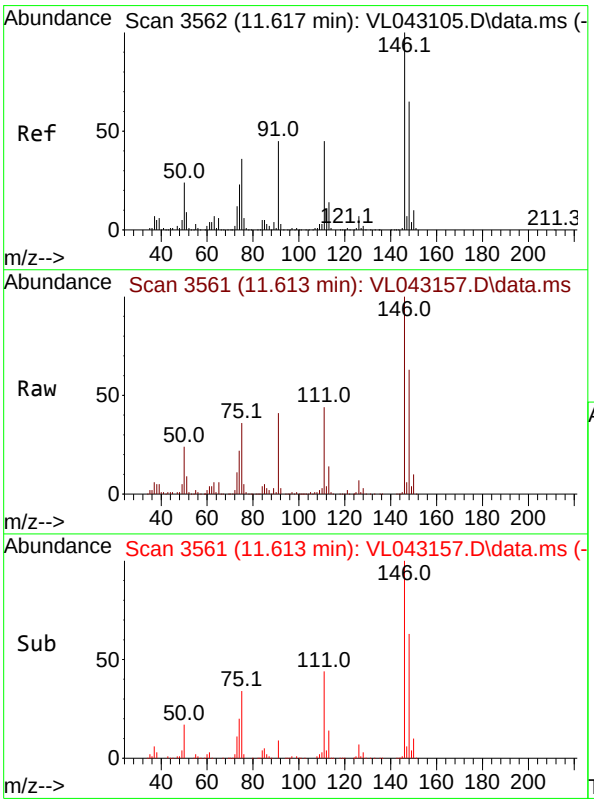
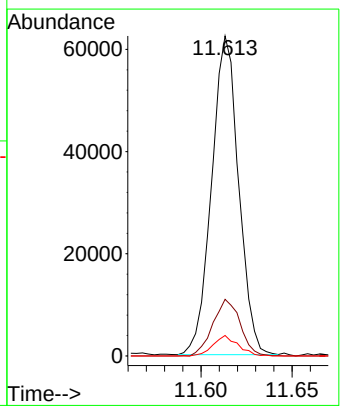
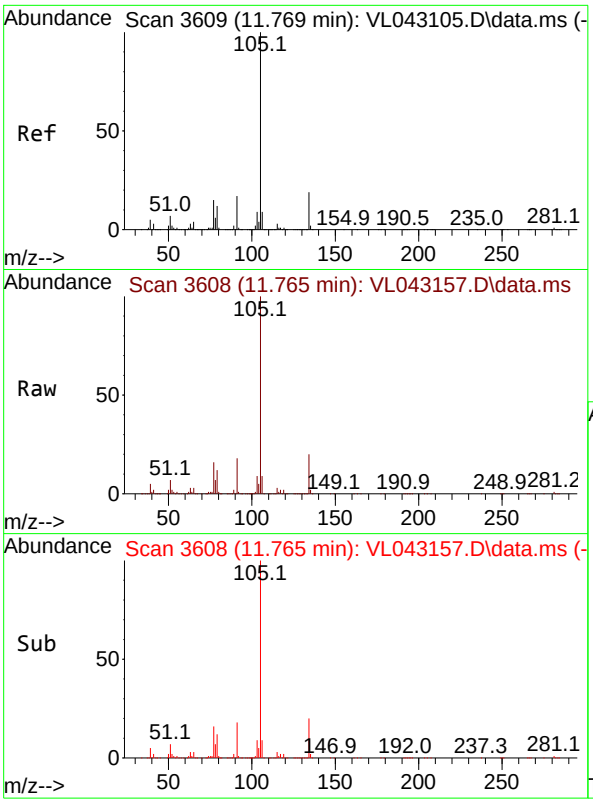


#66
Benzyl Chloride
Concen: 8.935 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 64257

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.6	22.0
128	5.9	4.6	6.8

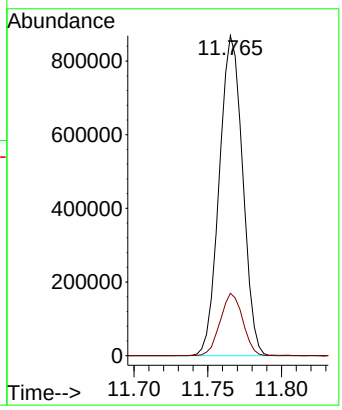




#67
sec-Butylbenzene
Concen: 10.438 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 95725

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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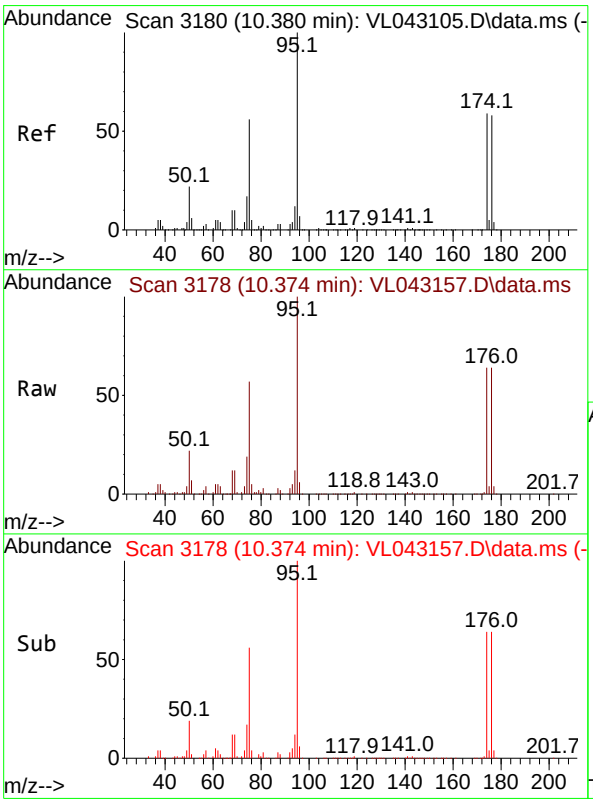
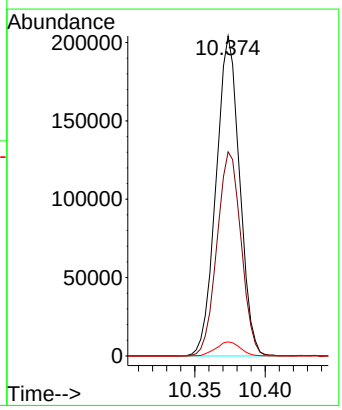
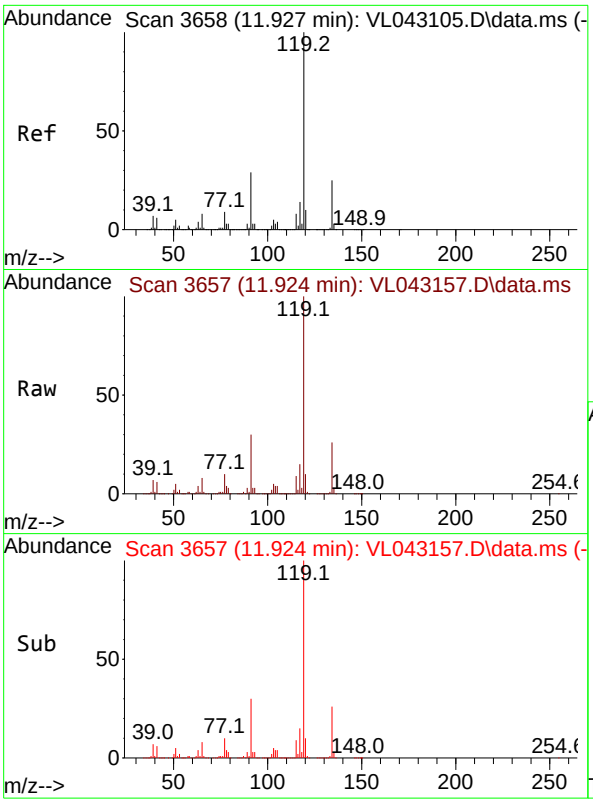


#68
1-Bromo-4-Fluorobenzene
Concen: 10.214 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 95 Resp: 237797

Ion	Ratio	Lower	Upper
95	100		
174	65.3	48.3	72.5
175	4.6	3.8	5.8

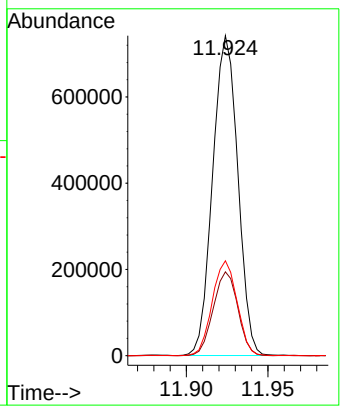




#69
p-Isopropyltoluene
Concen: 10.205 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:119 Resp: 79524

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.3	30.5
91	29.5	22.6	33.8



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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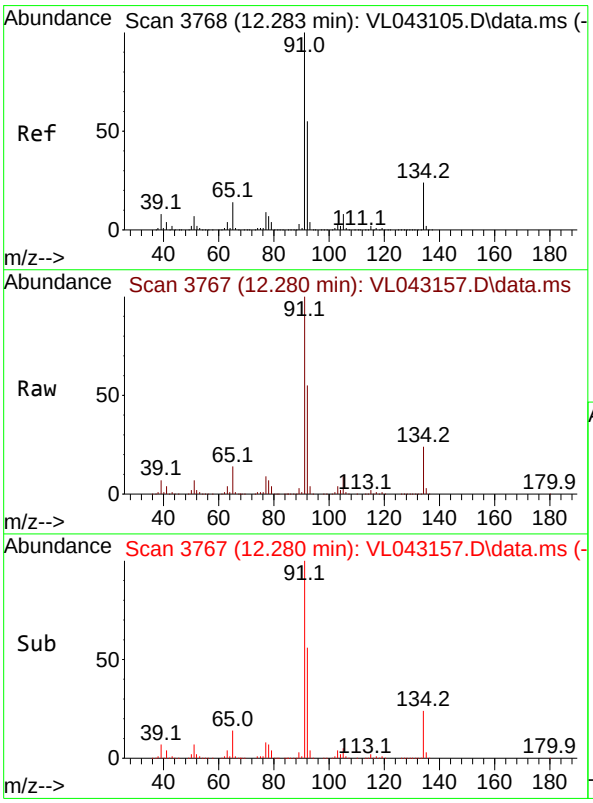
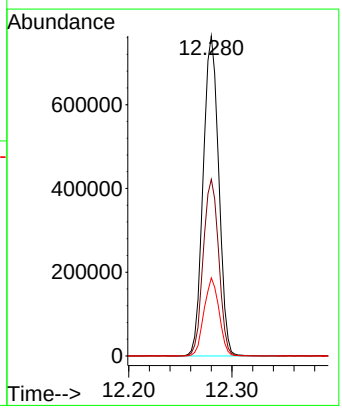
Supervised By :Mahesh Dadoda 11/10/2025

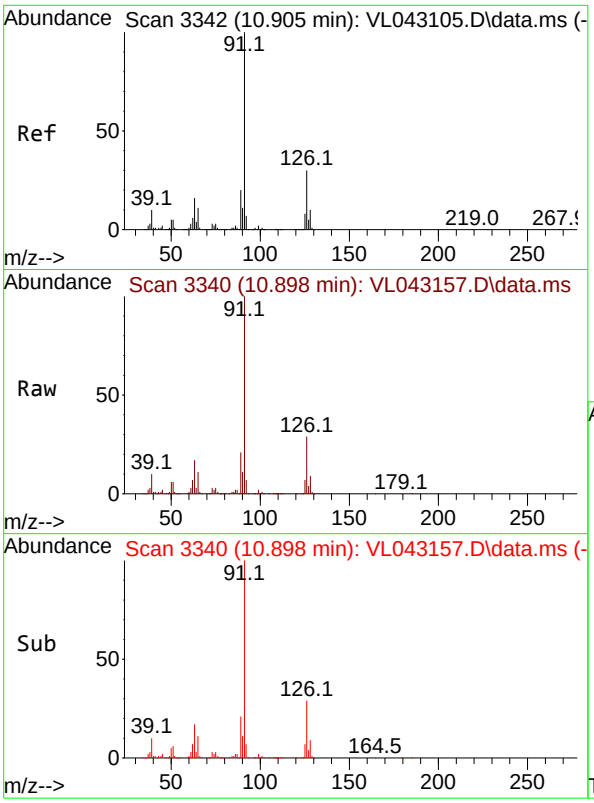


#70
n-Butylbenzene
Concen: 10.392 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 798019

Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.5	66.7
134	23.6	19.3	28.9

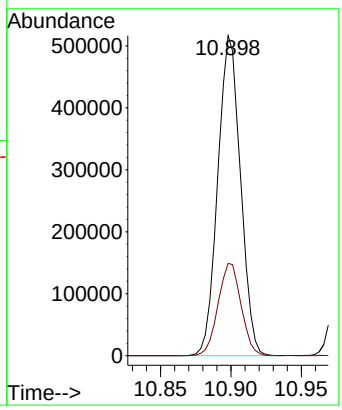




#71
2-Chlorotoluene
Concen: 10.386 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 57964

Ion	Ratio	Lower	Upper
91	100		
126	29.3	12.0	48.0



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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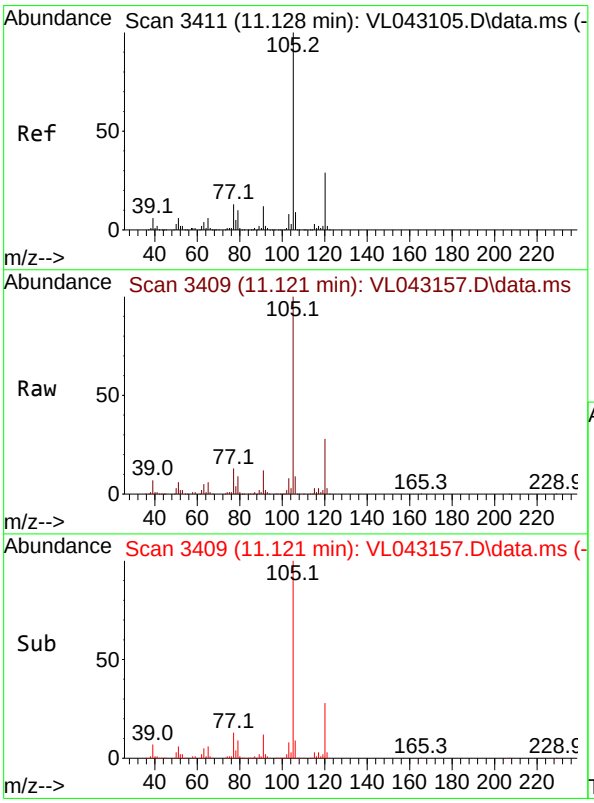
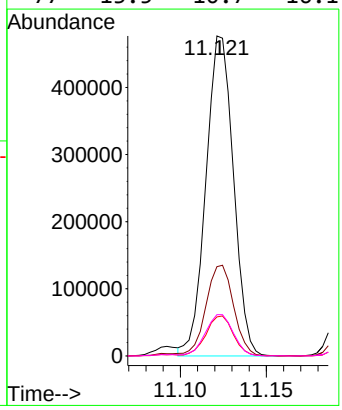
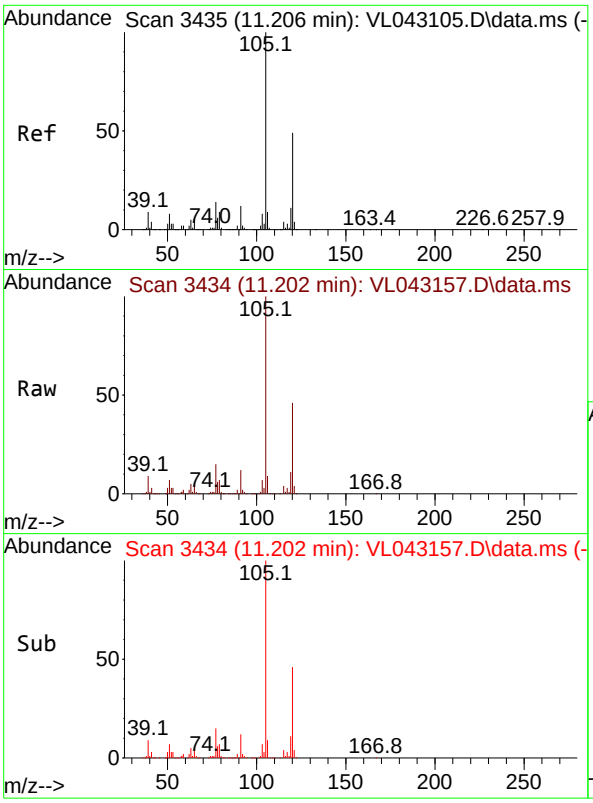


#72
4-Ethyltoluene
Concen: 10.660 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 530791

Ion	Ratio	Lower	Upper
105	100		
120	29.2	24.2	36.4
91	12.7	10.0	15.0
77	13.5	10.7	16.1





#73
1,3,5-Trimethylbenzene
Concen: 10.731 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 44066

Ion	Ratio	Lower	Upper
105	100		
120	46.1	39.0	58.6

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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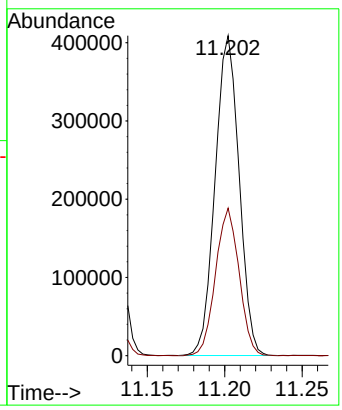
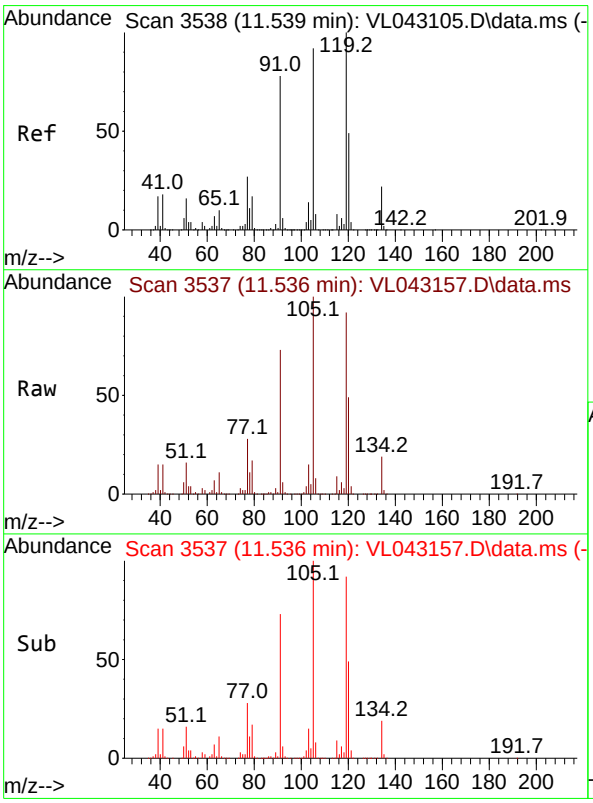
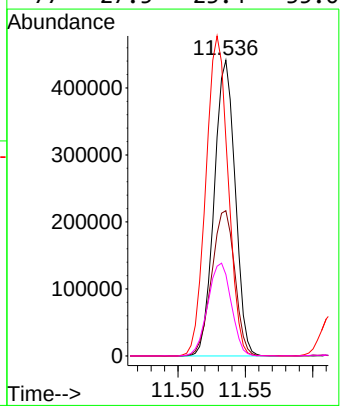


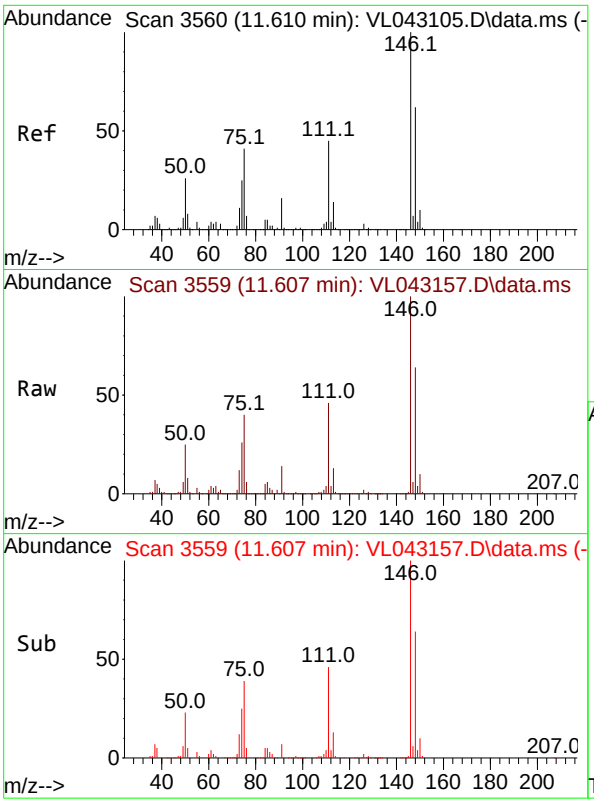


#74
1,2,4-Trimethylbenzene
Concen: 10.390 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 477453

Ion	Ratio	Lower	Upper
105	100		
120	49.1	42.8	64.2
91	73.4	68.3	102.5
77	27.5	23.4	35.0

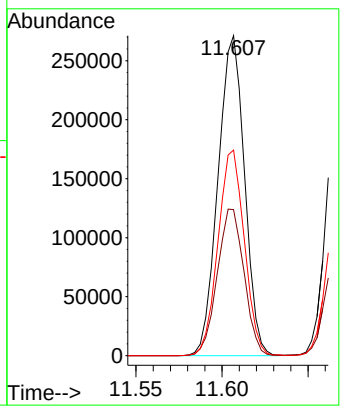




#75
1,3-Dichlorobenzene
Concen: 10.894 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:146 Resp: 29034

Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.3	69.9
148	63.9	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

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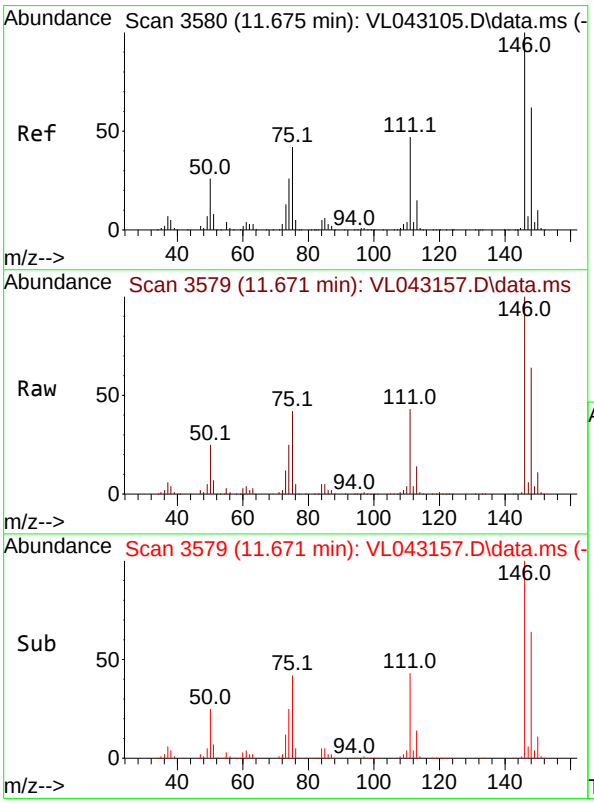
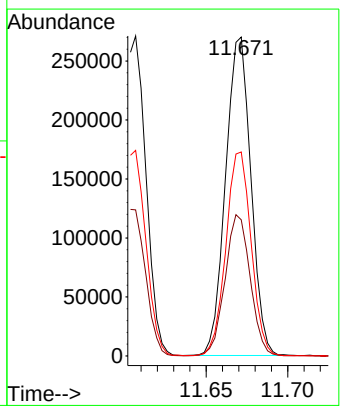
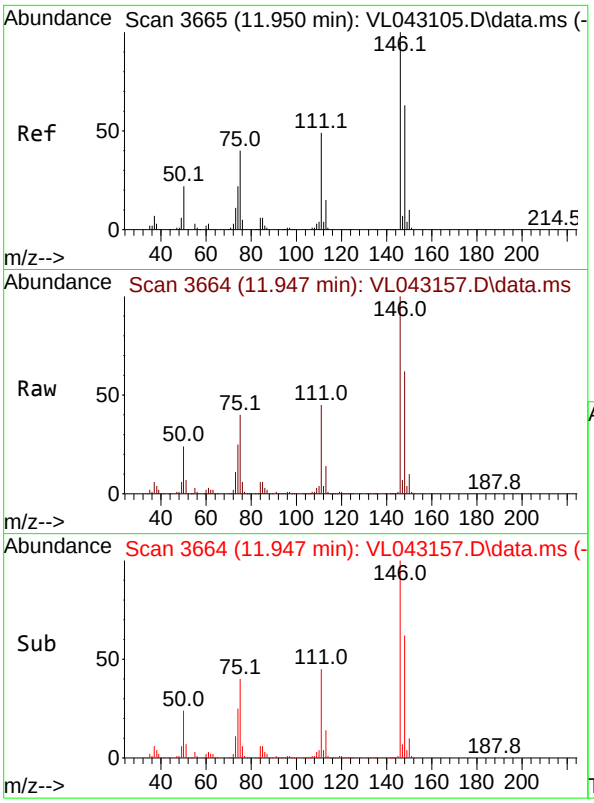


#76
1,4-Dichlorobenzene
Concen: 10.843 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:146 Resp: 291409

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.4	67.0
148	64.0	31.6	94.7

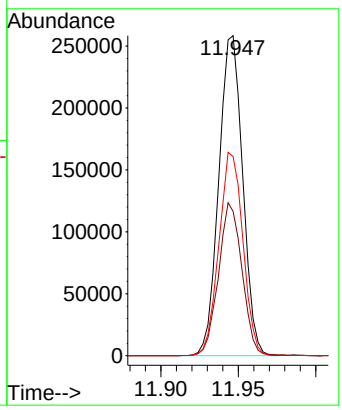




#77
1,2-Dichlorobenzene
Concen: 10.728 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:146 Resp: 27659

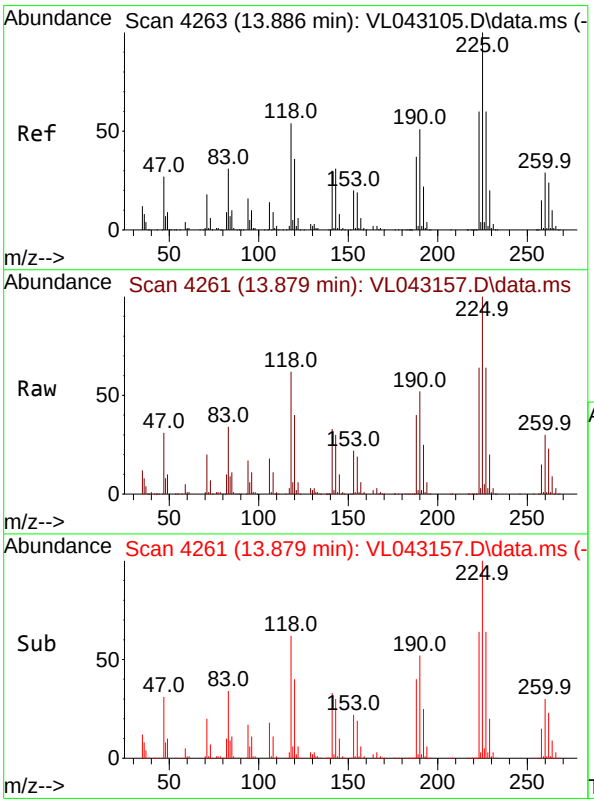
Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.0	72.0
148	64.1	31.1	93.3



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Manual Integrations
APPROVED

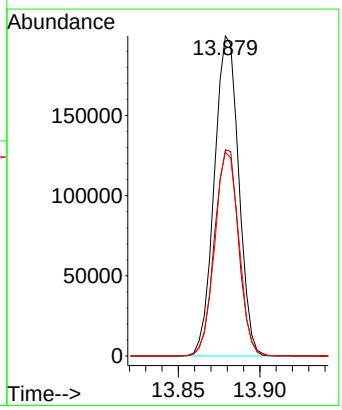
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

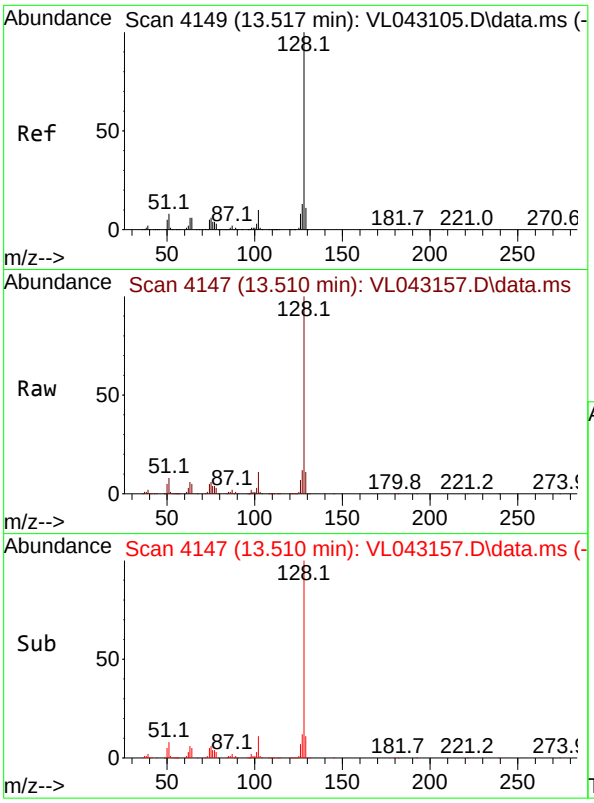


#78
Hexachloro-1,3-Butadiene
Concen: 10.393 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:225 Resp: 207474

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.2	75.4
227	63.3	49.6	74.4

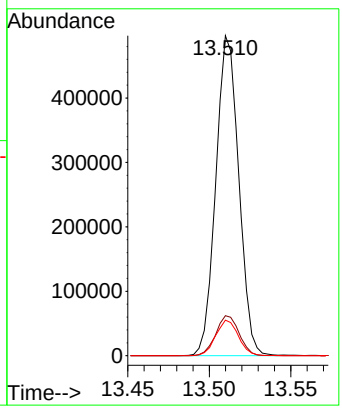




#79
Naphthalene
Concen: 10.127 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:128 Resp: 48641

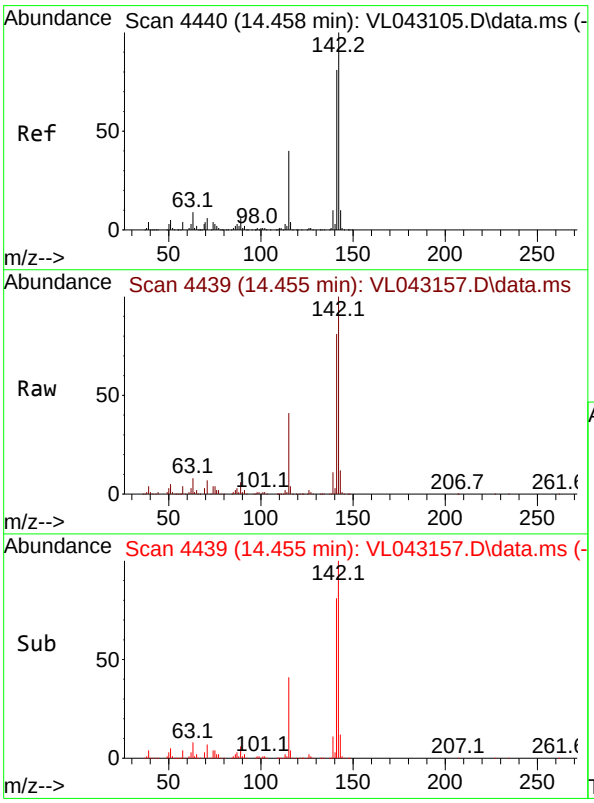
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	11.1	9.1	13.7



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Manual Integrations
APPROVED

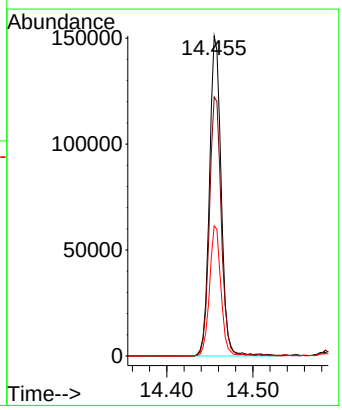
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

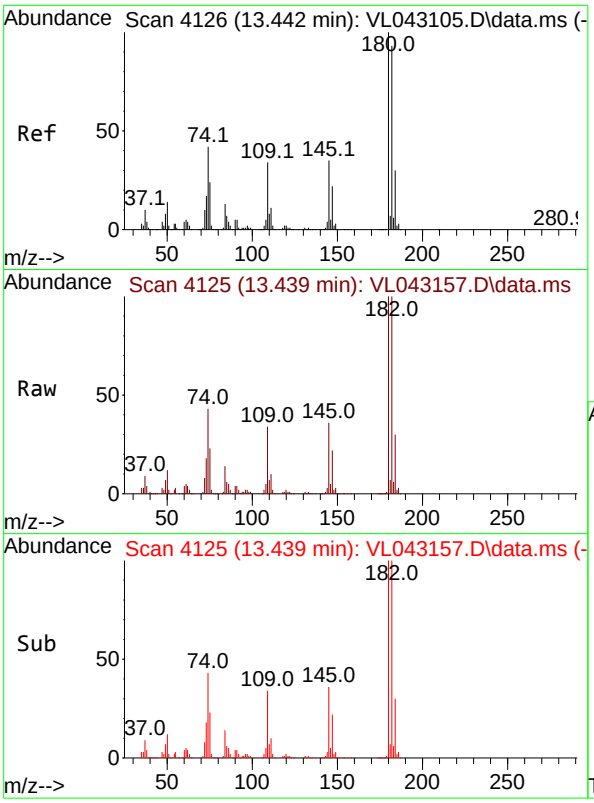


#80
Naphthalene,2-methyl-
Concen: 11.387 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:142 Resp: 142500

Ion	Ratio	Lower	Upper
142	100		
141	83.2	64.6	97.0
115	40.0	30.2	45.4

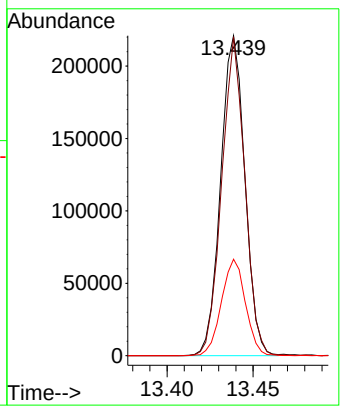




#81
1,2,4-Trichlorobenzene
Concen: 10.849 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:180 Resp: 21629

Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.5	113.3
184	29.9	23.9	35.9



Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	141 JUNIPER DRIVE	Date Received:	
Client Sample ID:	151-IA-2DUP	SDG No.:	Q3557
Lab Sample ID:	Q3555-02DUP	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.45	2.23	J	1	0.54	2.47	11/06/25 10:17	VL110625
74-87-3	Chloromethane	0.39	0.81	J	1	0.21	1.03	11/06/25 10:17	VL110625
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/06/25 10:17	VL110625
74-83-9	Bromomethane	0.080	0.31	U	1	0.31	1.94	11/06/25 10:17	VL110625
75-00-3	Chloroethane	0.15	0.40	U	1	0.40	1.32	11/06/25 10:17	VL110625
109-99-9	Tetrahydrofuran	0.080	0.24	U	1	0.24	1.47	11/06/25 10:17	VL110625
75-69-4	Trichlorofluoromethane	0.33	1.85	J	1	0.96	2.81	11/06/25 10:17	VL110625
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1	1.07	3.83	11/06/25 10:17	VL110625
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1	1.05	3.49	11/06/25 10:17	VL110625
75-65-0	tert-Butyl alcohol	0.16	0.49	U	1	0.49	1.52	11/06/25 10:17	VL110625
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	11/06/25 10:17	VL110625
75-35-4	1,1-Dichloroethene	0.15	0.59	U	1	0.59	1.98	11/06/25 10:17	VL110625
67-64-1	Acetone	6.10	14.5		1	0.43	1.19	11/06/25 10:17	VL110625
75-15-0	Carbon Disulfide	0.080	0.25	U	1	0.25	1.56	11/06/25 10:17	VL110625
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	1	0.83	1.80	11/06/25 10:17	VL110625
75-09-2	Methylene Chloride	0.51	1.77		1	0.80	1.74	11/06/25 10:17	VL110625
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	1	0.48	1.98	11/06/25 10:17	VL110625
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/06/25 10:17	VL110625
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/06/25 10:17	VL110625
78-93-3	2-Butanone	0.27	0.80	J	1	0.18	1.47	11/06/25 10:17	VL110625
56-23-5	Carbon Tetrachloride	0.080	0.50		1	0.19	0.19	11/06/25 10:17	VL110625
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/06/25 10:17	VL110625
67-66-3	Chloroform	0.61	2.98		1	0.49	2.44	11/06/25 10:17	VL110625
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/06/25 10:17	VL110625
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	1	0.65	2.34	11/06/25 10:17	VL110625
71-43-2	Benzene	0.19	0.61	J	1	0.26	1.60	11/06/25 10:17	VL110625
107-06-2	1,2-Dichloroethane	0.22	0.89	J	1	0.36	2.02	11/06/25 10:17	VL110625
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/06/25 10:17	VL110625
78-87-5	1,2-Dichloropropane	0.13	0.60	U	1	0.60	2.31	11/06/25 10:17	VL110625
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/06/25 10:17	VL110625
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	1	0.41	2.05	11/06/25 10:17	VL110625
108-88-3	Toluene	0.52	1.96		1	0.60	1.88	11/06/25 10:17	VL110625
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	1	0.68	2.27	11/06/25 10:17	VL110625
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	1	0.50	2.27	11/06/25 10:17	VL110625
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	1	0.44	2.73	11/06/25 10:17	VL110625
124-48-1	Dibromochloromethane	0.090	0.77	U	1	0.77	4.26	11/06/25 10:17	VL110625
106-93-4	1,2-Dibromoethane	0.090	0.69	U	1	0.69	0.77	11/06/25 10:17	VL110625
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	11/06/25 10:17	VL110625
108-90-7	Chlorobenzene	0.080	0.37	U	1	0.37	2.30	11/06/25 10:17	VL110625
100-41-4	Ethyl Benzene	0.19	0.83	U	1	0.83	2.17	11/06/25 10:17	VL110625
179601-23-1	m/p-Xylene	0.41	1.78	U	1	1.78	4.34	11/06/25 10:17	VL110625
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17	11/06/25 10:17	VL110625
100-42-5	Styrene	0.16	0.68	U	1	0.68	2.13	11/06/25 10:17	VL110625
75-25-2	Bromoform	0.050	0.52	U	1	0.52	5.17	11/06/25 10:17	VL110625
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	1	0.14	0.21	11/06/25 10:17	VL110625
95-49-8	2-Chlorotoluene	0.17	0.88	U	1	0.88	2.59	11/06/25 10:17	VL110625

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	141 JUNIPER DRIVE	Date Received:	
Client Sample ID:	151-IA-2DUP	SDG No.:	Q3557
Lab Sample ID:	Q3555-02DUP	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/06/25 10:17	VL110625
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46		11/06/25 10:17	VL110625
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	1	0.30	3.01		11/06/25 10:17	VL110625
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01		11/06/25 10:17	VL110625
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01		11/06/25 10:17	VL110625
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1	1.56	3.71		11/06/25 10:17	VL110625
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1	1.39	5.33		11/06/25 10:17	VL110625
106-99-0	1,3-Butadiene	0.050	0.11	U	1	0.11	1.11		11/06/25 10:17	VL110625
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52		11/06/25 10:17	VL110625
622-96-8	4-Ethyltoluene	0.21	1.03	U	1	1.03	2.46		11/06/25 10:17	VL110625
110-54-3	Hexane	0.99	3.49		1	0.56	1.76		11/06/25 10:17	VL110625
107-05-1	Allyl Chloride	0.11	0.34	U	1	0.34	1.57		11/06/25 10:17	VL110625
123-91-1	1,4-Dioxane	0.22	0.79	U	1	0.79	1.80		11/06/25 10:17	VL110625
80-62-6	Methyl Methacrylate	0.14	0.57	U	1	0.57	2.05		11/06/25 10:17	VL110625
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	10.1				70 (65) - 130	101%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	118000								
540-36-3	1,4-Difluorobenzene	355000								
3114-55-4	Chlorobenzene-d5	304000								

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\VL110625\
Data File : VL043159.D
Acq On : 06 Nov 2025 10:17
Operator : SY/MD
Sample : Q3555-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	118024	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	354784	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	303947	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	238666	10.102	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	7609	0.453	ppbv		94
3) Chlorodifluoromethane	1.479	51	5305m	0.292	ppbv		
4) Chloromethane	1.534	50	2577	0.388	ppbv		98
9) Propene	1.489	41	3944	0.490	ppbv		85
10) Heptane	4.991	43	2953m	0.127	ppbv		
11) Trichlorofluoromethane	1.881	101	5437	0.331	ppbv		98
13) Ethanol	1.722	45	124950	41.954	ppbv		96
15) Acetone	1.839	43	97541	6.132	ppbv		95
17) tert-Butyl alcohol	2.046	59	2284m	0.105	ppbv		
19) Isopropyl Alcohol	1.887	45	278208	28.080	ppbv	#	37
20) Methylene Chloride	2.065	84	3186	0.507	ppbv		96
26) Hexane	2.832	57	18040	0.992	ppbv	#	56
29) Chloroform	2.848	83	16144	0.613	ppbv		93
30) Cyclohexane	3.861	84	1460m	0.092	ppbv		
34) 2-Butanone	2.560	43	6502	0.273	ppbv		99
35) Carbon Tetrachloride	3.768	117	2069	0.081	ppbv	#	93
36) Benzene	3.664	78	6423m	0.192	ppbv		
37) 1,2-Dichloroethane	3.221	62	4176	0.217	ppbv		96
44) 2,2,4-Trimethylpentane	4.648	57	5811m	0.103	ppbv		
53) Toluene	6.936	91	20621	0.520	ppbv		95
59) m/p-Xylene	9.532	91	11376m	0.273	ppbv		
60) o-Xylene	9.966	91	4406m	0.107	ppbv		

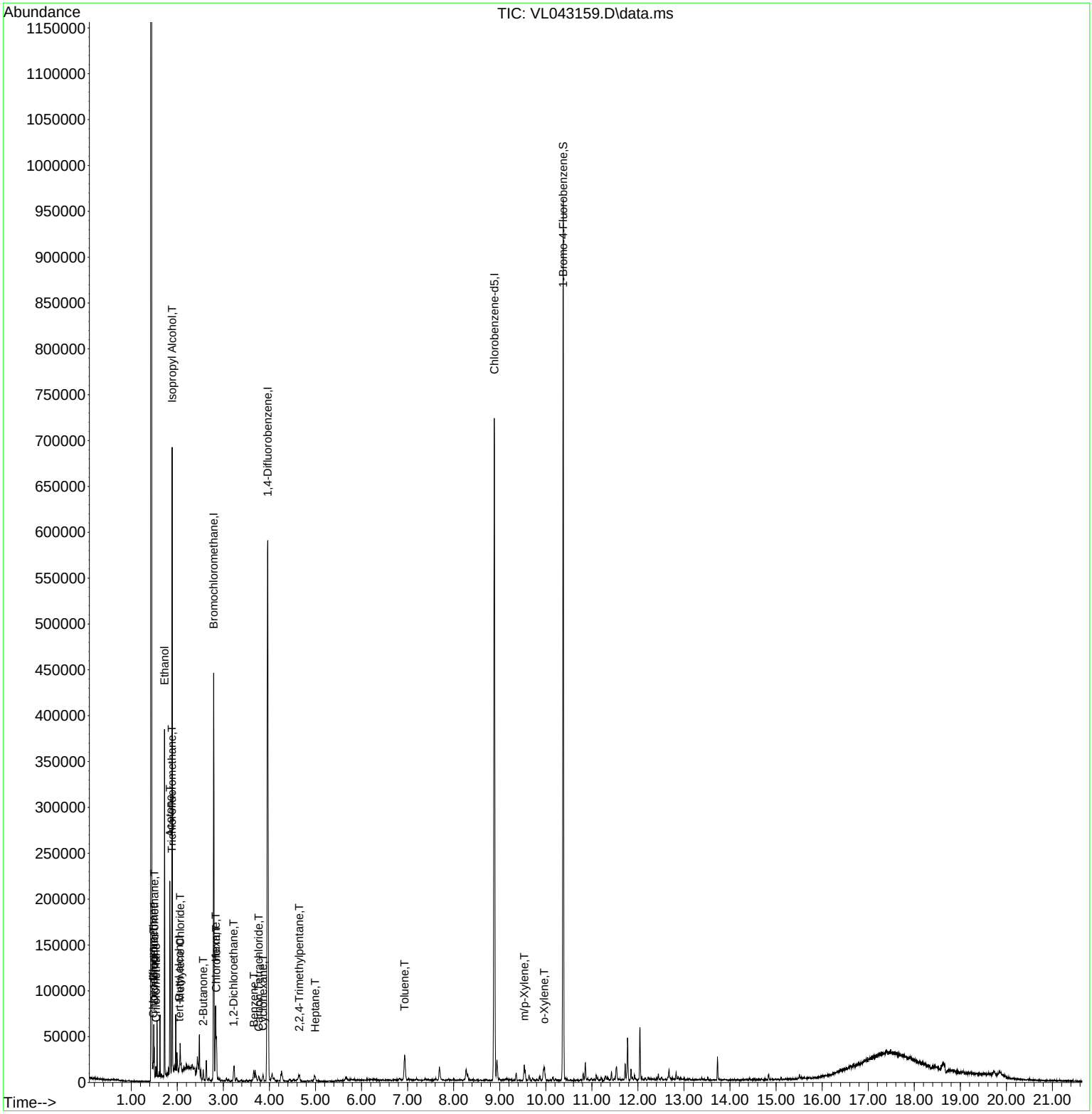
(#) = qualifier out of range (m) = manual integration (+) = signals summed

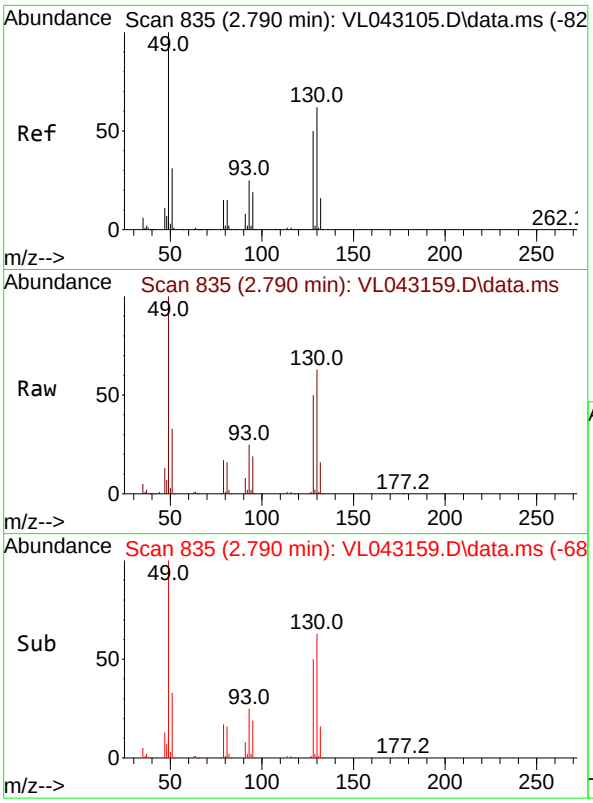
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043159.D
Acq On : 06 Nov 2025 10:17
Operator : SY/MD
Sample : Q3555-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

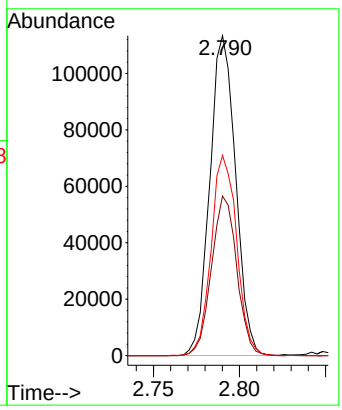




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 49 Resp: 11802

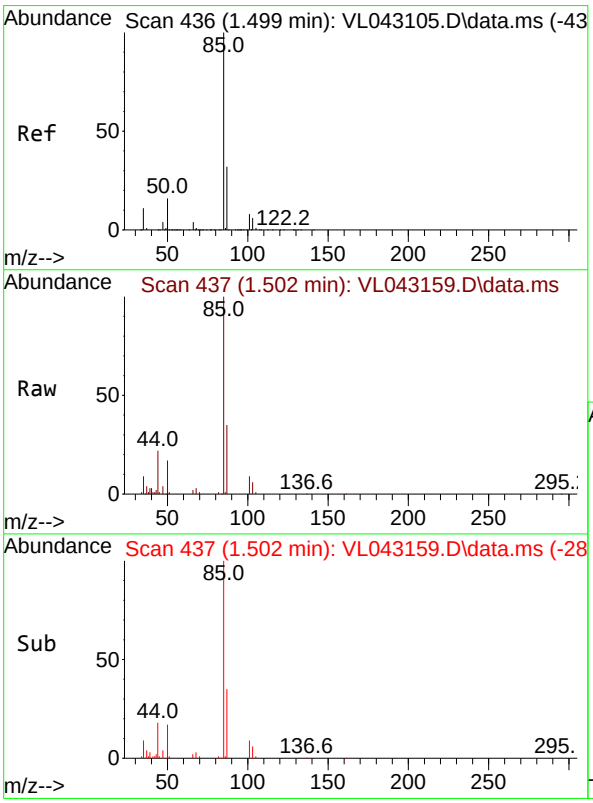
Ion	Ratio	Lower	Upper
49	100		
128	49.1	24.4	73.4
130	62.2	31.0	93.0



Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Manual Integrations
APPROVED

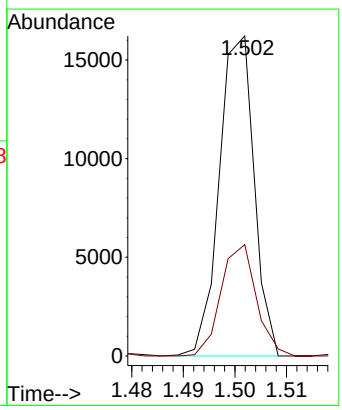
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

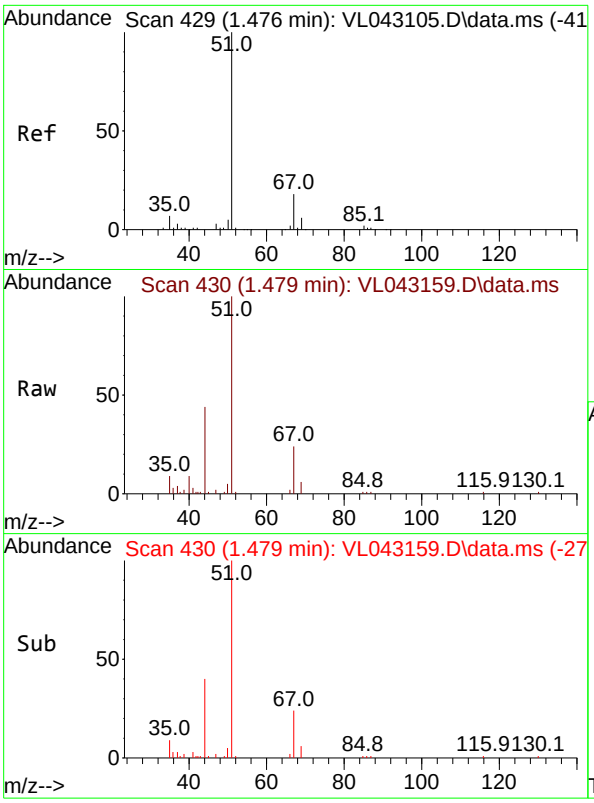


#2
Dichlorodifluoromethane
Concen: 0.453 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 85 Resp: 7609

Ion	Ratio	Lower	Upper
85	100		
87	34.8	25.3	37.9

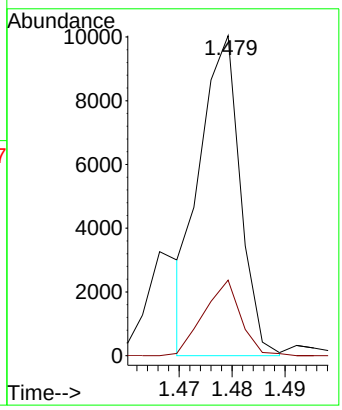




#3
Chlorodifluoromethane
Concen: 0.292 ppbv m
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 51 Resp: 530

Ion	Ratio	Lower	Upper
51	100		
67	2.0	15.1	22.7#



Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

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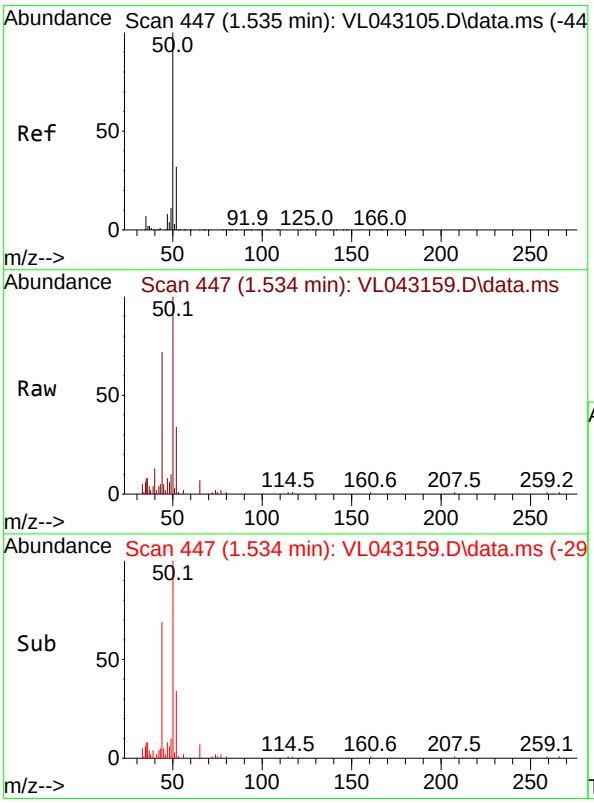
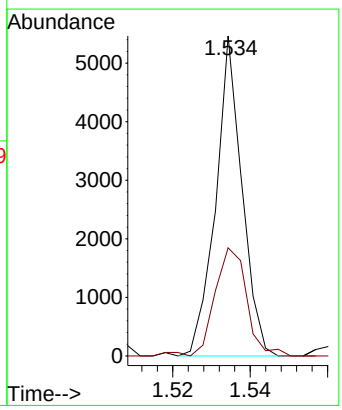
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

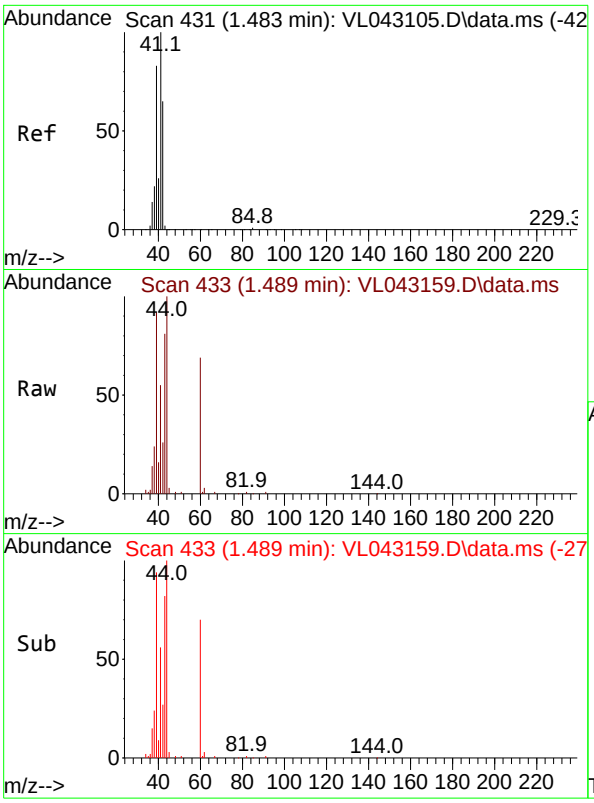


#4
Chloromethane
Concen: 0.388 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 50 Resp: 2577

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.2	37.8

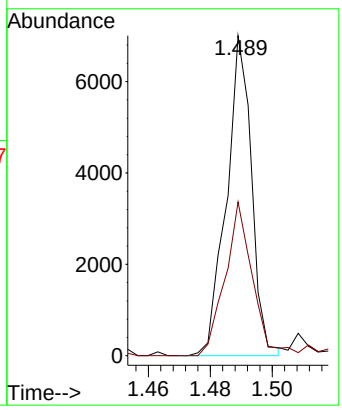




#9
Propene
Concen: 0.490 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 41 Resp: 394

Ion	Ratio	Lower	Upper
41	100		
42	56.6	55.1	82.7



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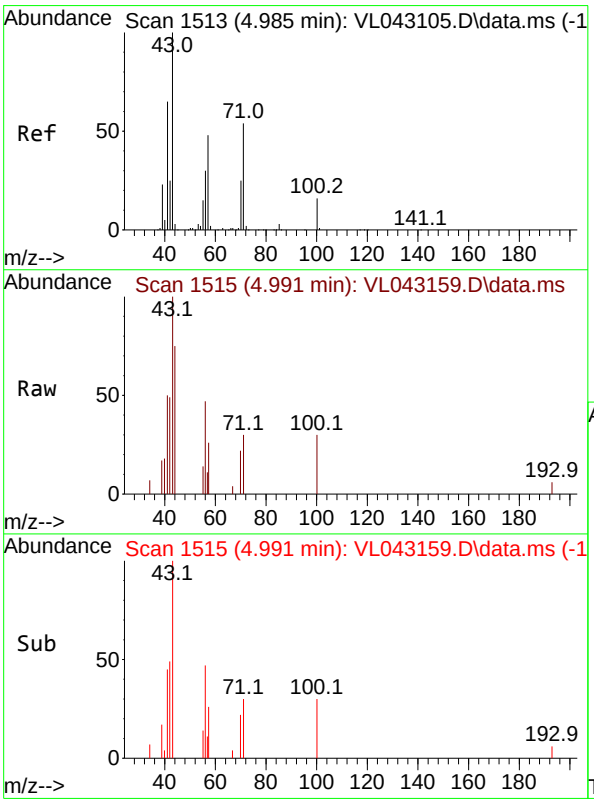
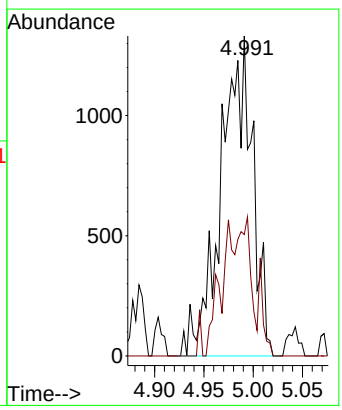
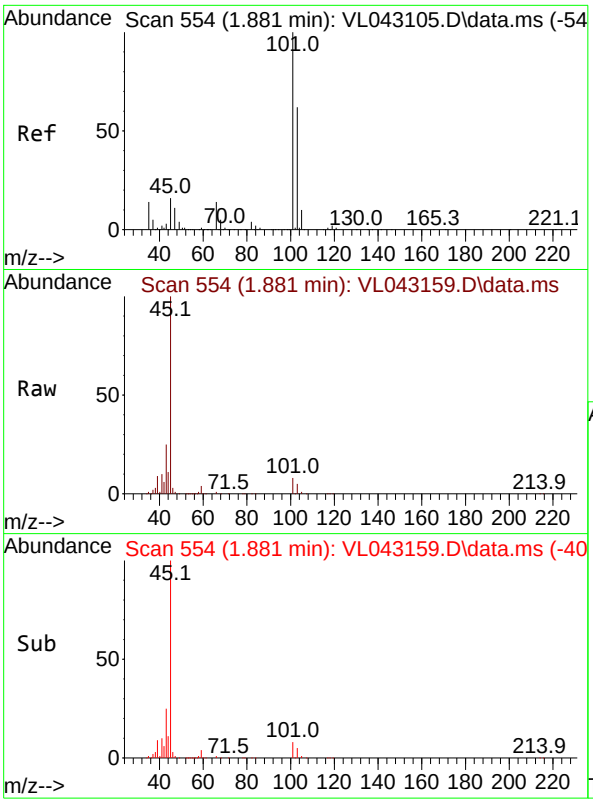


#10
Heptane
Concen: 0.127 ppbv m
RT: 4.991 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 43 Resp: 2953

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.8	61.2#

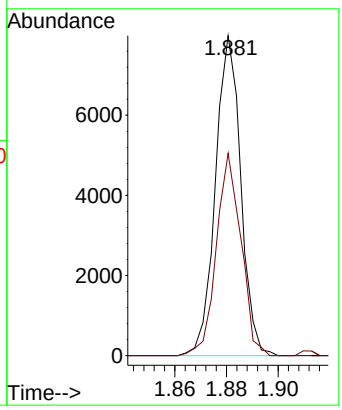




#11
Trichlorofluoromethane
Concen: 0.331 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion:101 Resp: 543

Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.3	73.9



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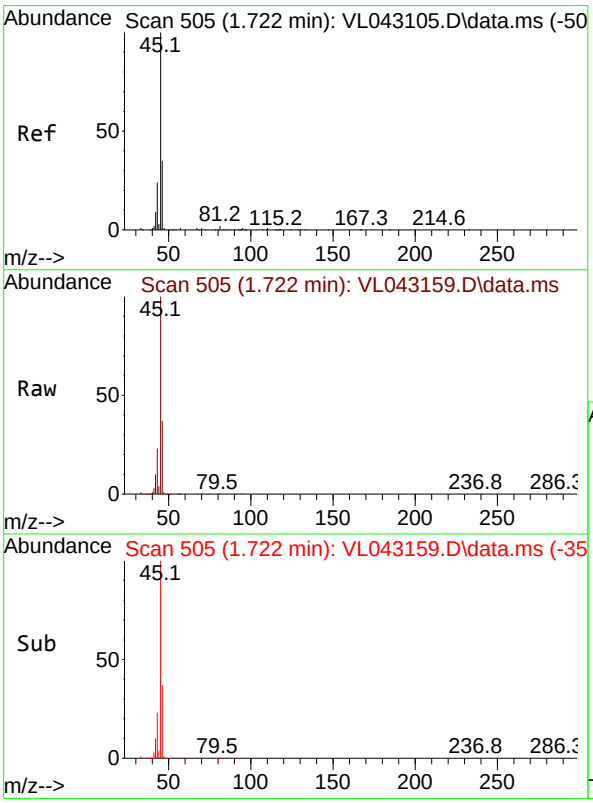
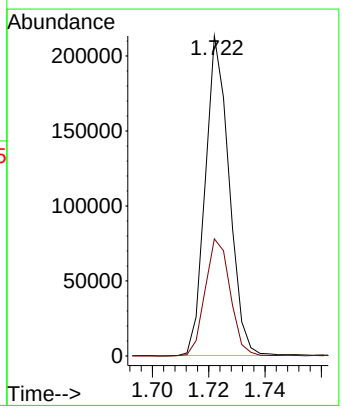
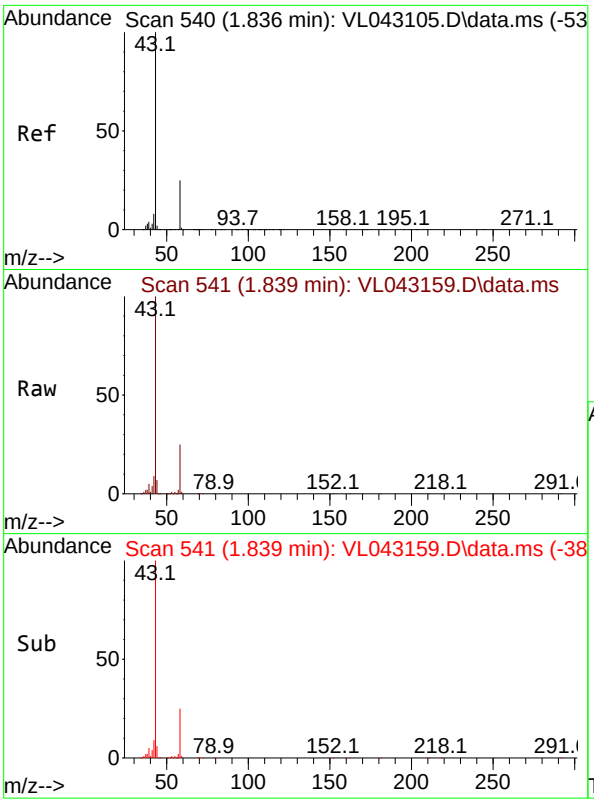


#13
Ethanol
Concen: 41.954 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 45 Resp: 124950

Ion	Ratio	Lower	Upper
45	100		
46	39.0	14.7	58.9

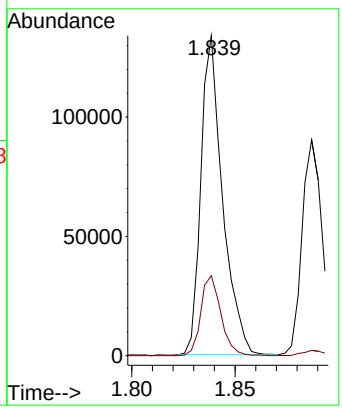




#15
Acetone
Concen: 6.132 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 43 Resp: 9754

Ion	Ratio	Lower	Upper
43	100		
58	23.2	20.8	31.2



Instrument :
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ClientSampleId :
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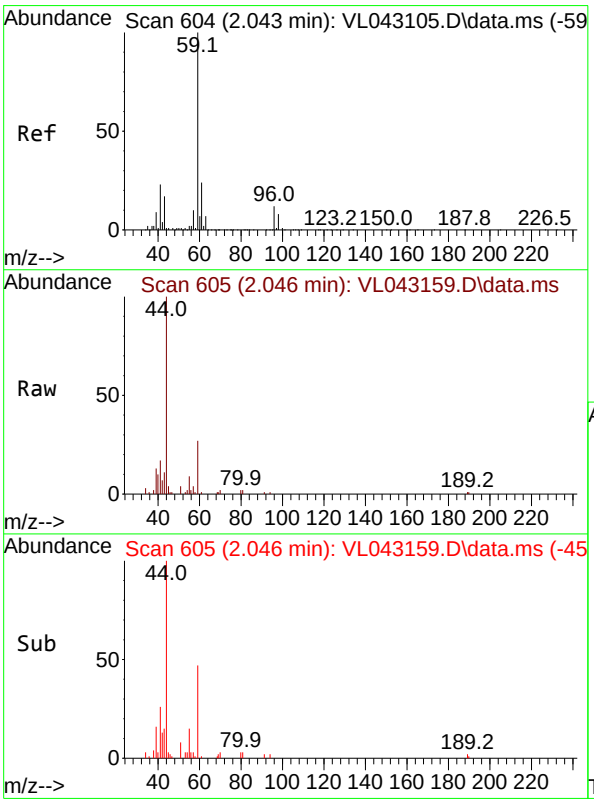
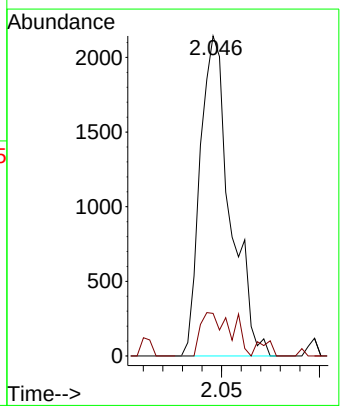
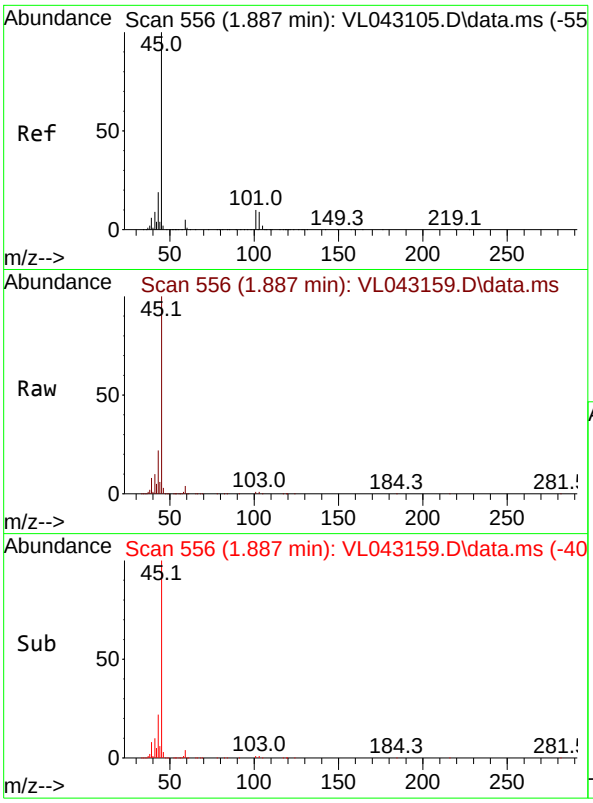


#17
tert-Butyl alcohol
Concen: 0.105 ppbv m
RT: 2.046 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 59 Resp: 2284

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

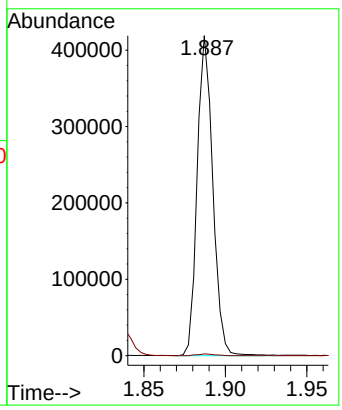




#19
Isopropyl Alcohol
Concen: 28.080 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 45 Resp: 27820

Ion	Ratio	Lower	Upper
45	100		
58	0.6	31.3	46.9



Instrument :
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ClientSampleId :
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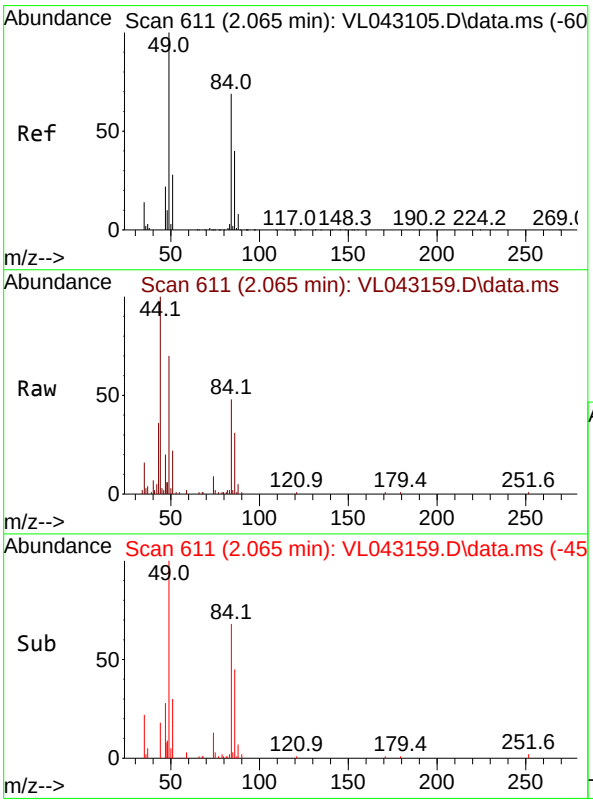
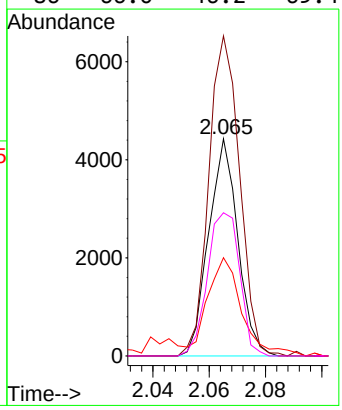
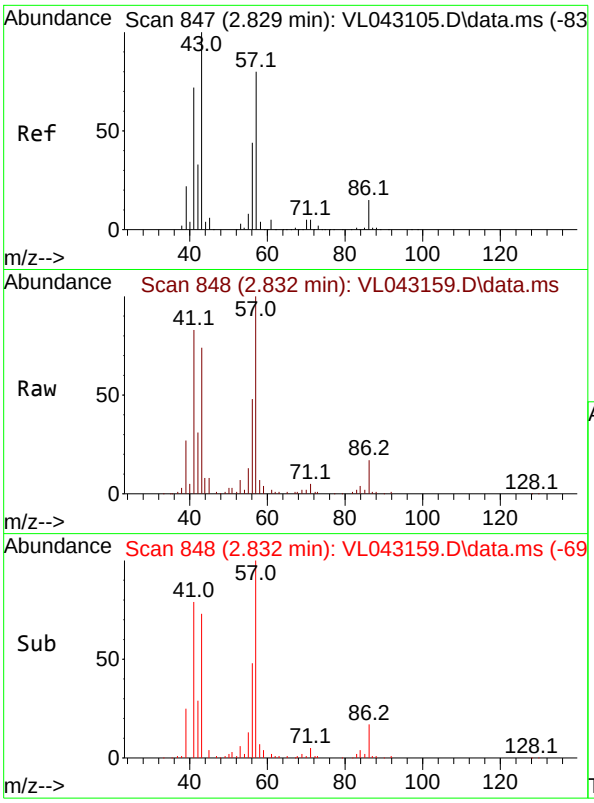


#20
Methylene Chloride
Concen: 0.507 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 84 Resp: 3186

Ion	Ratio	Lower	Upper
84	100		
49	147.4	116.6	175.0
51	41.9	34.8	52.2
86	66.0	46.2	69.4

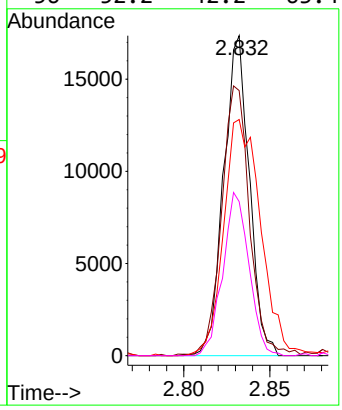




#26
Hexane
Concen: 0.992 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 57 Resp: 1804

Ion	Ratio	Lower	Upper
57	100		
41	92.0	71.4	107.0
43	108.4	178.5	267.7#
56	52.2	42.2	63.4



Instrument :
MSVOA_L
ClientSampleId :
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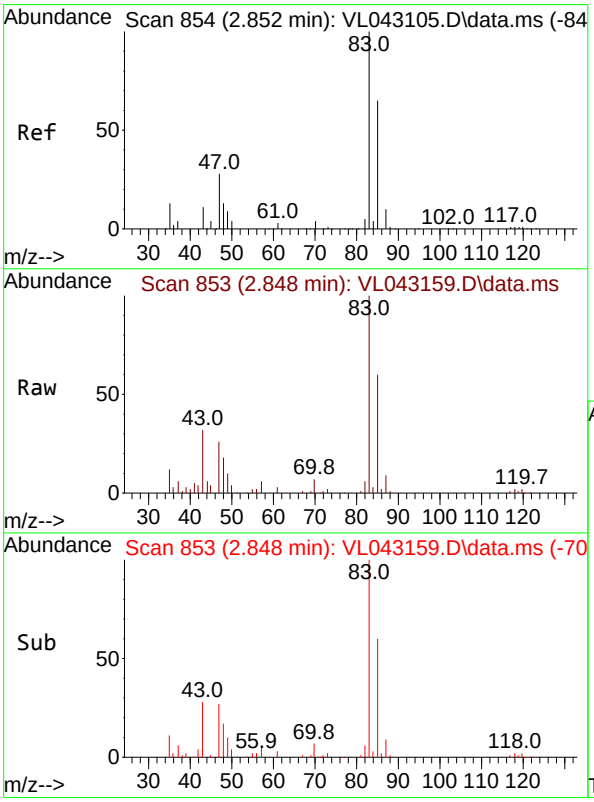
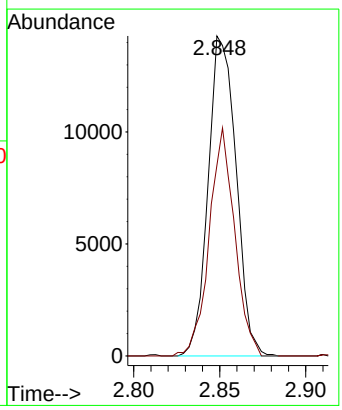
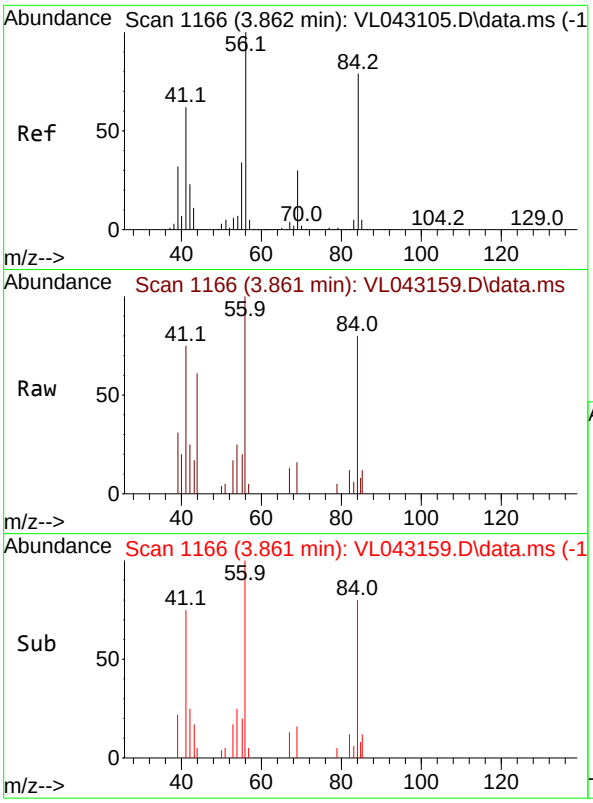


#29
Chloroform
Concen: 0.613 ppbv
RT: 2.848 min Scan# 853
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 83 Resp: 16144

Ion	Ratio	Lower	Upper
83	100		
85	59.6	51.8	77.6

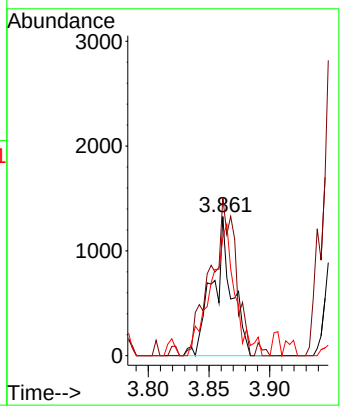




#30
Cyclohexane
Concen: 0.092 ppbv m
RT: 3.861 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 84 Resp: 146

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



Instrument :
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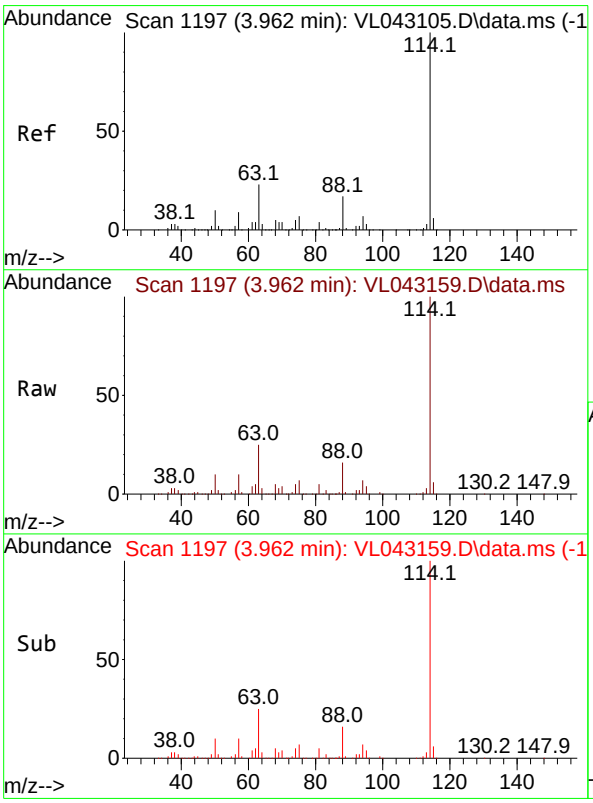
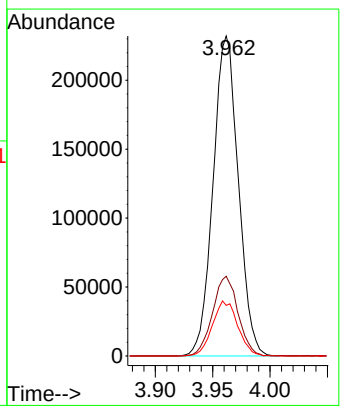
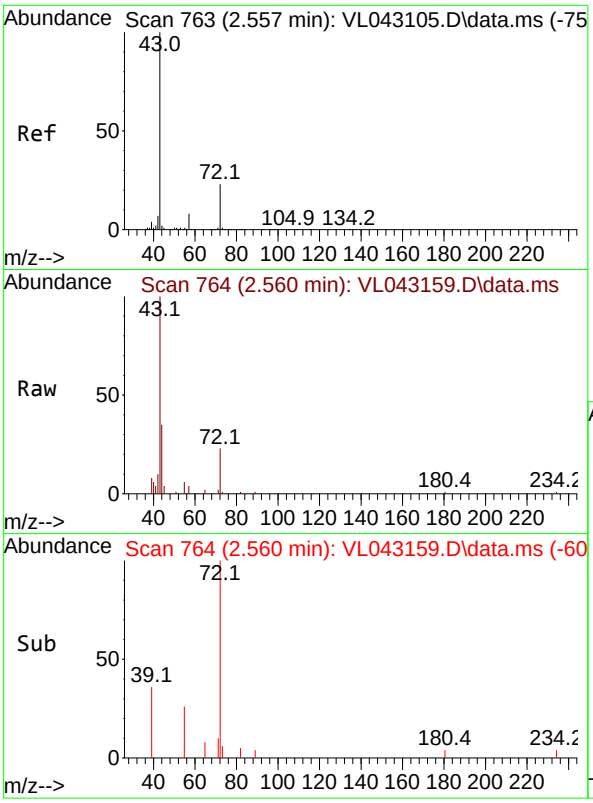


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion:114 Resp: 354784

Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.3	28.9
88	17.3	13.9	20.9

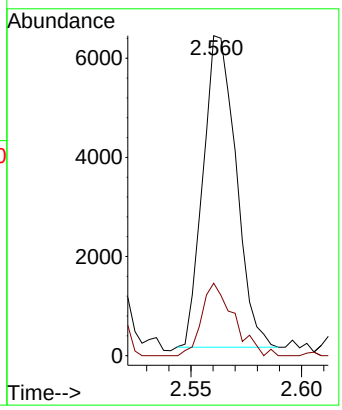




#34
2-Butanone
Concen: 0.273 ppbv
RT: 2.560 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 43 Resp: 650

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.4	27.6



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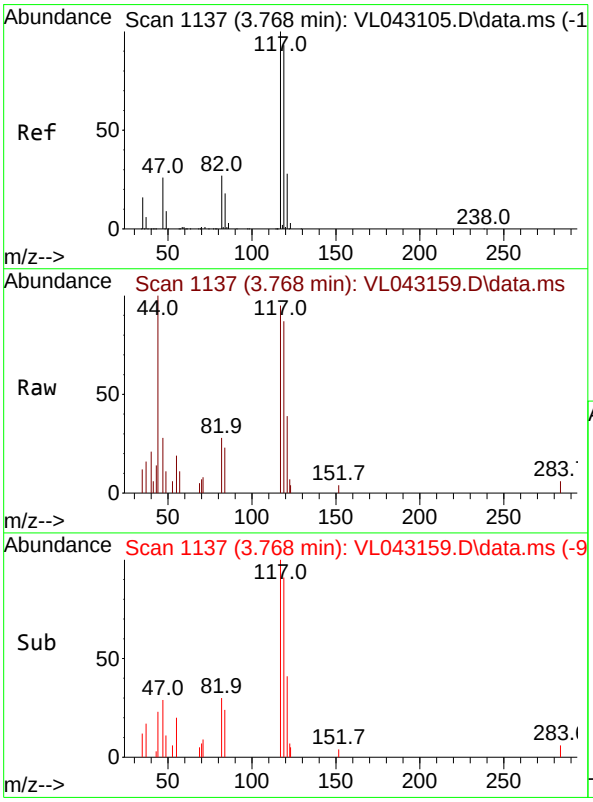
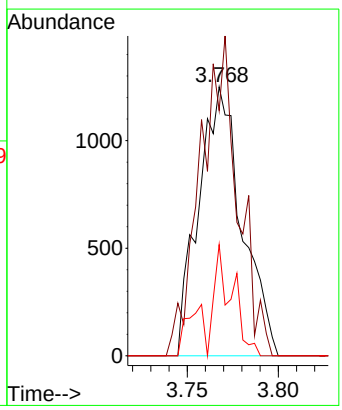
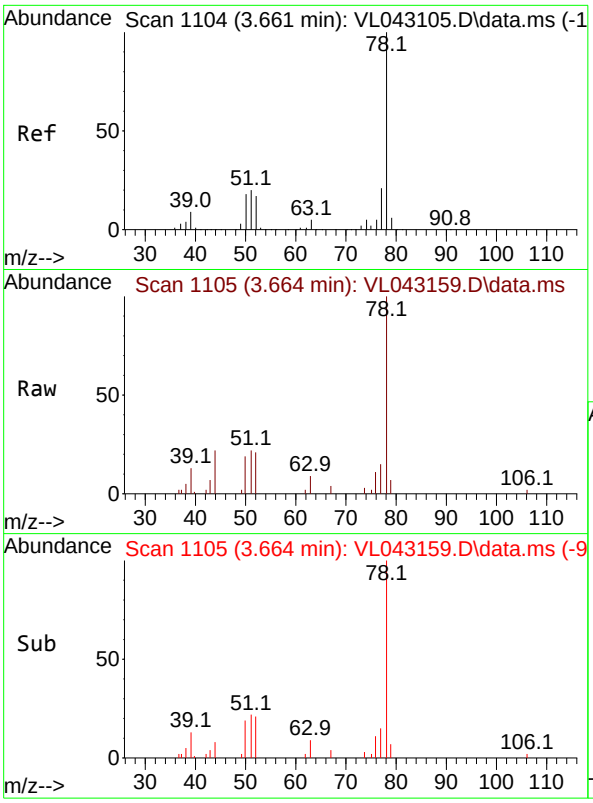


#35
Carbon Tetrachloride
Concen: 0.081 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion:117 Resp: 2069

Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.1	111.1
121	41.4	22.2	33.2#

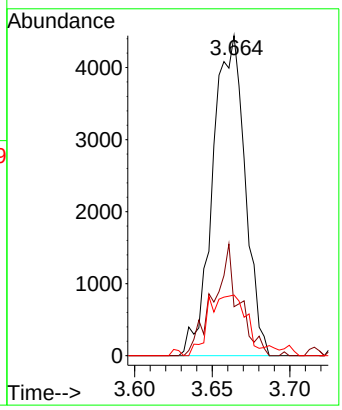




#36
Benzene
Concen: 0.192 ppbv m
RT: 3.664 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 78 Resp: 642

Ion	Ratio	Lower	Upper
78	100		
77	15.3	17.0	25.6
50	19.0	14.6	22.0



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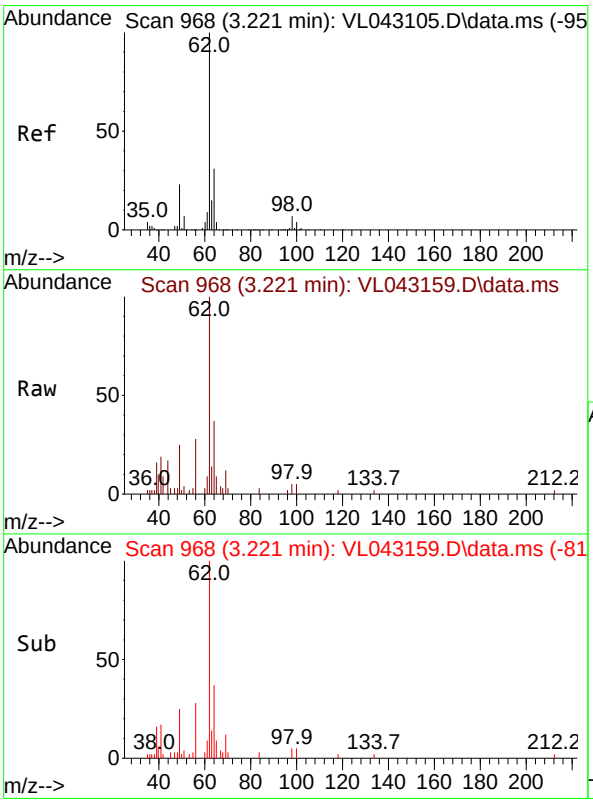
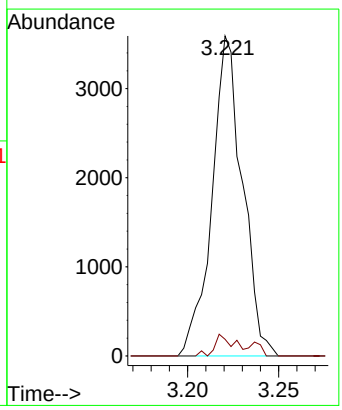
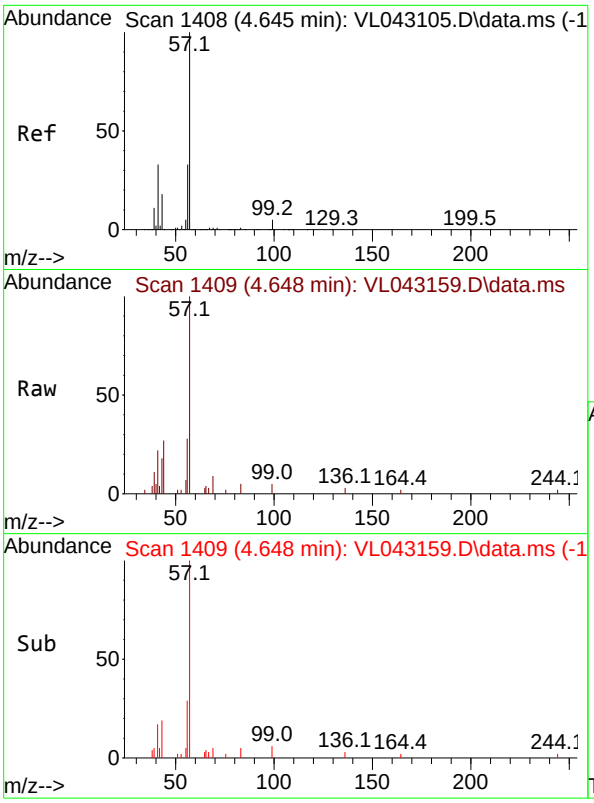


#37
1,2-Dichloroethane
Concen: 0.217 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 62 Resp: 4176

Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.8	8.6

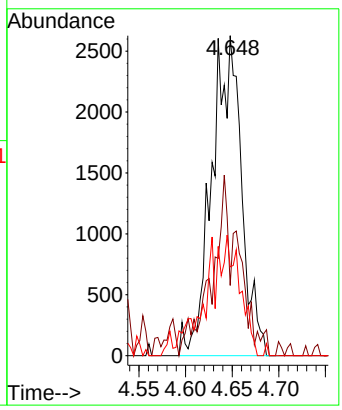




#44
2,2,4-Trimethylpentane
Concen: 0.103 ppbv m
RT: 4.648 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 57 Resp: 581

Ion	Ratio	Lower	Upper
57	100		
41	50.9	26.3	39.5#
56	44.0	25.9	38.9#



Instrument :
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ClientSampleId :
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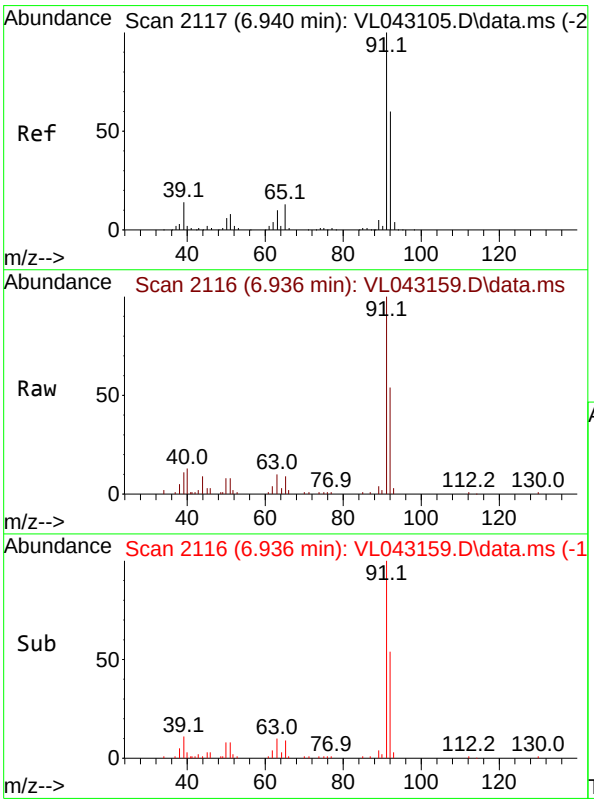
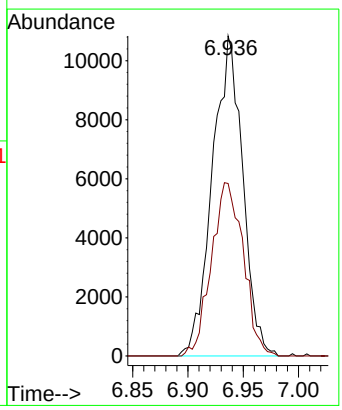
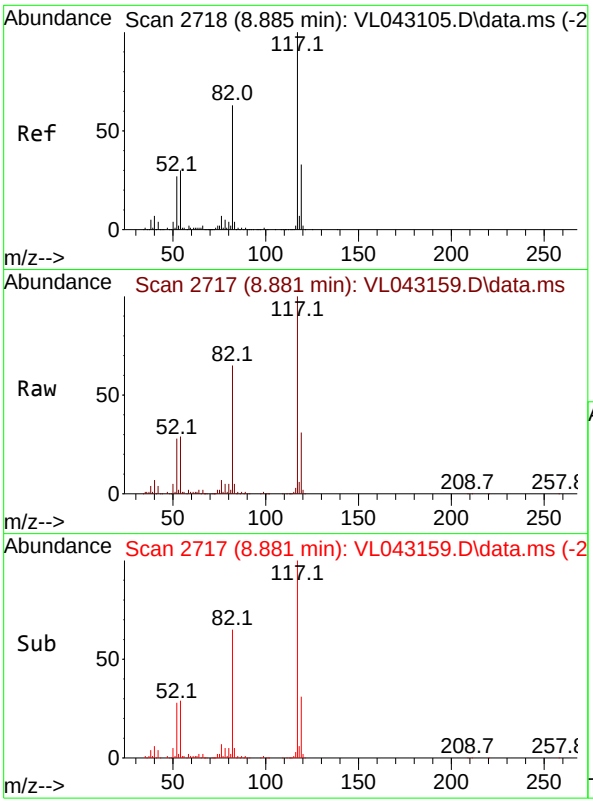


#53
Toluene
Concen: 0.520 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 91 Resp: 20621

Ion	Ratio	Lower	Upper
91	100		
92	57.0	48.8	73.2

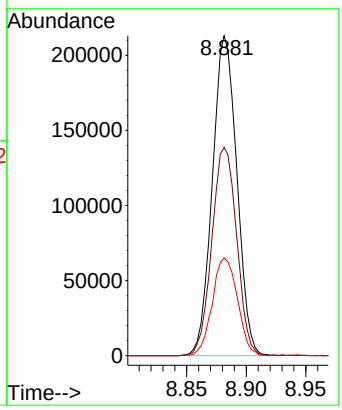




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion:117 Resp: 30394

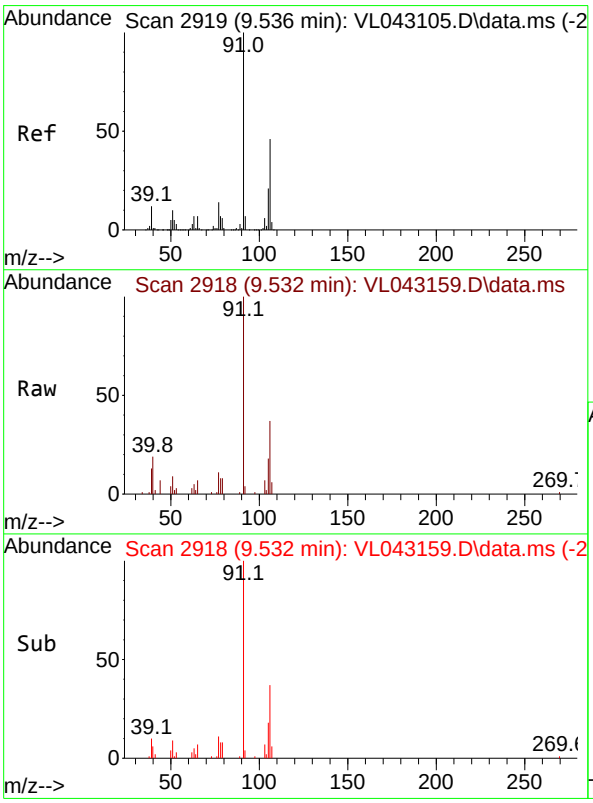
Ion	Ratio	Lower	Upper
117	100		
82	66.1	53.8	80.8
119	31.6	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Manual Integrations
APPROVED

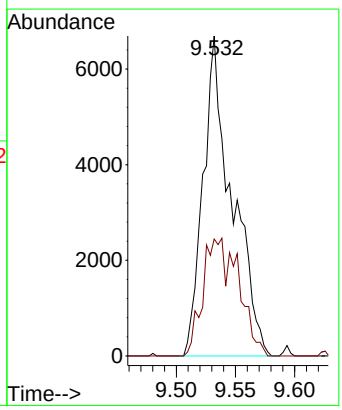
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

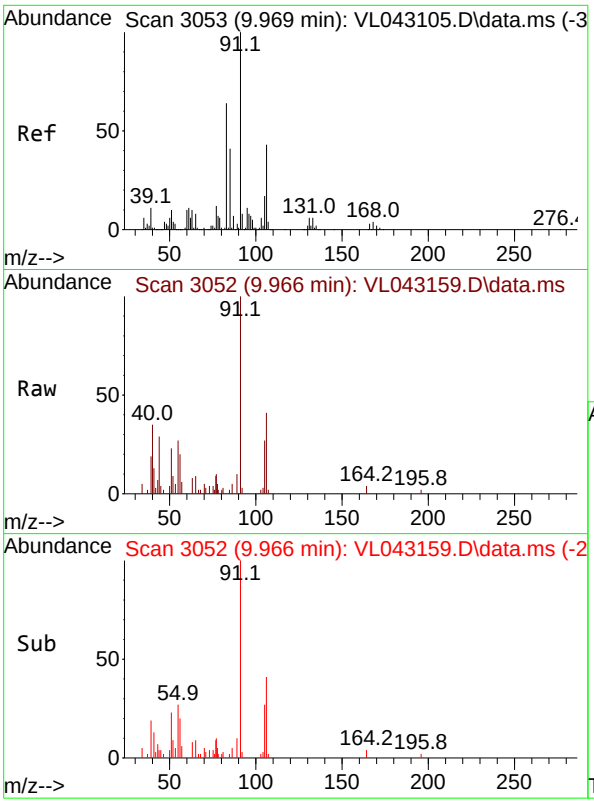


#59
m/p-Xylene
Concen: 0.273 ppbv m
RT: 9.532 min Scan# 2918
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 91 Resp: 11376

Ion	Ratio	Lower	Upper
91	100		
106	45.6	38.0	57.0

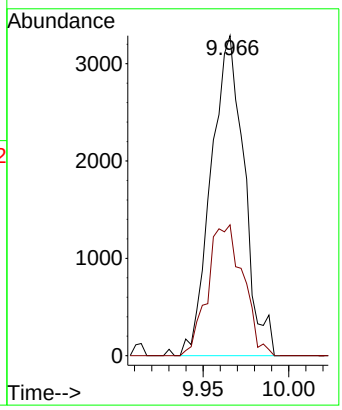




#60
o-Xylene
Concen: 0.107 ppbv m
RT: 9.966 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 91 Resp: 440

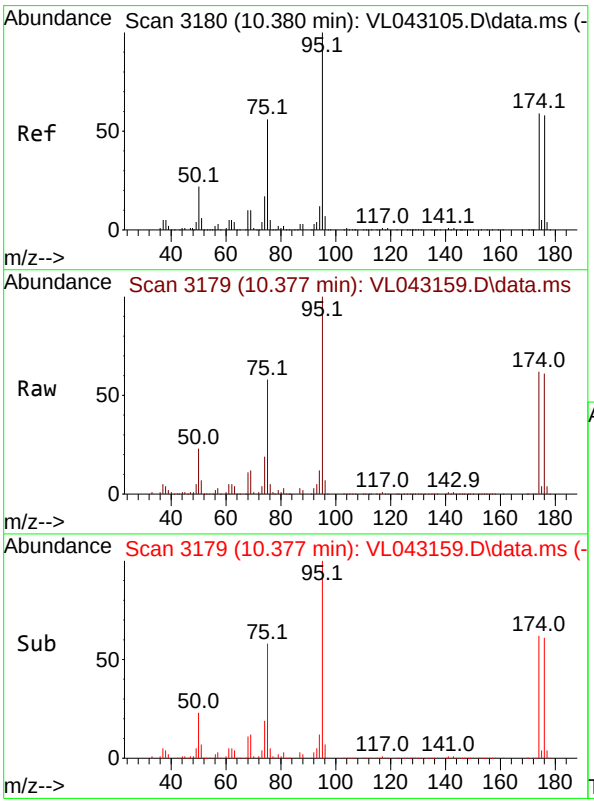
Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.9	65.8



Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Manual Integrations
APPROVED

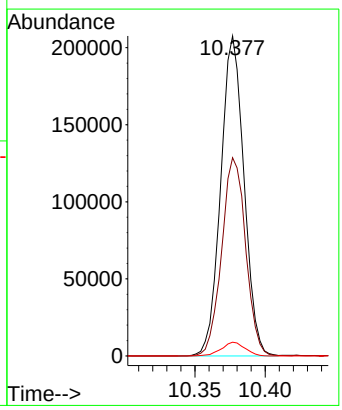
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.102 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 95 Resp: 238666

Ion	Ratio	Lower	Upper
95	100		
174	63.9	48.3	72.5
175	4.4	3.8	5.8



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

Manual Integration Report

Sequence:	VL101425	Instrument	MSVOA_I

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

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Manual Integration Report

Sequence:	VL101425	Instrument	MSVOA_I

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

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Manual Integration Report

Sequence:	VL101425	Instrument	MSVOA_I

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

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Manual Integration Report

Sequence:	VL110625	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL043155.D	m/p-Xylene	sam	11/7/2025 1:59:45 PM	MMDadoda	11/10/2025 1:00:25 PM	Peak Integrated by Software
VL1106ABS01	VL043157.D	m/p-Xylene	sam	11/7/2025 1:59:50 PM	MMDadoda	11/10/2025 1:00:29 PM	Peak Integrated by Software
Q3555-02DUP	VL043159.D	2,2,4-Trimethylpentane	sam	11/7/2025 1:59:55 PM	MMDadoda	11/10/2025 1:00:36 PM	Peak Integrated by Software
Q3555-02DUP	VL043159.D	Benzene	sam	11/7/2025 1:59:55 PM	MMDadoda	11/10/2025 1:00:36 PM	Peak Integrated by Software
Q3555-02DUP	VL043159.D	Chlorodifluoromethane	sam	11/7/2025 1:59:55 PM	MMDadoda	11/10/2025 1:00:36 PM	Peak Integrated by Software
Q3555-02DUP	VL043159.D	Heptane	sam	11/7/2025 1:59:55 PM	MMDadoda	11/10/2025 1:00:36 PM	Peak Integrated by Software
Q3555-02DUP	VL043159.D	m/p-Xylene	sam	11/7/2025 1:59:55 PM	MMDadoda	11/10/2025 1:00:36 PM	Peak Integrated by Software
Q3555-02DUP	VL043159.D	o-Xylene	sam	11/7/2025 1:59:55 PM	MMDadoda	11/10/2025 1:00:36 PM	Peak Integrated by Software
Q3557-01	VL043163.D	Carbon Tetrachloride	sam	11/7/2025 2:00:45 PM	MMDadoda	11/10/2025 1:00:54 PM	Peak Integrated by Software
Q3557-01	VL043163.D	Chlorodifluoromethane	sam	11/7/2025 2:00:45 PM	MMDadoda	11/10/2025 1:00:54 PM	Peak Integrated by Software
Q3557-01	VL043163.D	Toluene	sam	11/7/2025 2:00:45 PM	MMDadoda	11/10/2025 1:00:54 PM	Peak Integrated by Software
Q3557-02	VL043164.D	2-Hexanone	sam	11/7/2025 2:01:34 PM	MMDadoda	11/10/2025 1:01:01 PM	Peak Integrated by Software
Q3557-02	VL043164.D	Carbon Tetrachloride	sam	11/7/2025 2:01:34 PM	MMDadoda	11/10/2025 1:01:01 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL110625	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3557-02	VL043164.D	Chlorodifluoromethane	sam	11/7/2025 2:01:34 PM	MMDadoda	11/10/2025 1:01:01 PM	Peak Integrated by Software
Q3557-02	VL043164.D	Ethyl Benzene	sam	11/7/2025 2:01:34 PM	MMDadoda	11/10/2025 1:01:01 PM	Peak Integrated by Software
Q3557-02	VL043164.D	Heptane	sam	11/7/2025 2:01:34 PM	MMDadoda	11/10/2025 1:01:01 PM	Peak Integrated by Software
Q3557-02	VL043164.D	Naphthalene	sam	11/7/2025 2:01:34 PM	MMDadoda	11/10/2025 1:01:01 PM	Peak Integrated by Software
Q3557-02	VL043164.D	Propene	sam	11/7/2025 2:01:34 PM	MMDadoda	11/10/2025 1:01:01 PM	Peak Integrated by Software
Q3557-03	VL043165.D	Chlorodifluoromethane	sam	11/7/2025 2:01:40 PM	MMDadoda	11/10/2025 1:01:06 PM	Peak Integrated by Software
Q3557-03	VL043165.D	Heptane	sam	11/7/2025 2:01:40 PM	MMDadoda	11/10/2025 1:01:06 PM	Peak Integrated by Software
Q3557-03	VL043165.D	m/p-Xylene	sam	11/7/2025 2:01:40 PM	MMDadoda	11/10/2025 1:01:06 PM	Peak Integrated by Software
Q3557-03	VL043165.D	Propene	sam	11/7/2025 2:01:40 PM	MMDadoda	11/10/2025 1:01:06 PM	Peak Integrated by Software
Q3557-02DL	VL043172.D	2-Hexanone	sam	11/7/2025 2:01:06 PM	MMDadoda	11/10/2025 1:01:24 PM	Peak Integrated by Software
Q3557-02DL	VL043172.D	Benzene	sam	11/7/2025 2:01:06 PM	MMDadoda	11/10/2025 1:01:24 PM	Peak Integrated by Software
Q3557-02DL	VL043172.D	Isopropyl Alcohol	sam	11/7/2025 2:01:06 PM	MMDadoda	11/10/2025 1:01:24 PM	Peak Integrated by Software
Q3557-02DL	VL043172.D	Propene	sam	11/7/2025 2:01:06 PM	MMDadoda	11/10/2025 1:01:24 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL110625	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3557-02DL	VL043172.D	Toluene	sam	11/7/2025 2:01:06 PM	MMDadoda	11/10/2025 1:01:24 PM	Peak Integrated by Software
Q3557-04	VL043177.D	Carbon Tetrachloride	sam	11/7/2025 2:00:07 PM	MMDadoda	11/10/2025 1:01:45 PM	Peak Integrated by Software
Q3557-04	VL043177.D	Toluene	sam	11/7/2025 2:00:07 PM	MMDadoda	11/10/2025 1:01:45 PM	Peak Integrated by Software
Q3557-04	VL043177.D	Trichlorofluoromethane	sam	11/7/2025 2:00:07 PM	MMDadoda	11/10/2025 1:01:45 PM	Peak Integrated by Software
Q3557-05	VL043178.D	Carbon Tetrachloride	sam	11/7/2025 2:00:03 PM	MMDadoda	11/10/2025 1:01:48 PM	Peak Integrated by Software
Q3557-05	VL043178.D	Chlorodifluoromethane	sam	11/7/2025 2:00:03 PM	MMDadoda	11/10/2025 1:01:48 PM	Peak Integrated by Software
Q3557-05	VL043178.D	Tetrachloroethene	sam	11/7/2025 2:00:03 PM	MMDadoda	11/10/2025 1:01:48 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL101425

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

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

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

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL110625

Review By	Semsettin Yesilyurt	Review On	11/10/2025 11:08:23 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/10/2025 1:02:12 PM				
SubDirectory	VL110625	HP Acquire Method	TO15AIR		HP Processing Method	VL101425AIR.M	

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043154.D	06 Nov 2025 06:24	SY/MD	Ok
2	VSTDCCC010	VL043155.D	06 Nov 2025 07:19	SY/MD	Ok,M
3	VL1106ABL01	VL043156.D	06 Nov 2025 08:02	SY/MD	Ok
4	VL1106ABS01	VL043157.D	06 Nov 2025 08:45	SY/MD	Ok,M
5	Q3555-02	VL043158.D	06 Nov 2025 09:42	SY/MD	Ok,M
6	Q3555-02DUP	VL043159.D	06 Nov 2025 10:17	SY/MD	Ok,M
7	Q3555-01	VL043160.D	06 Nov 2025 10:51	SY/MD	Ok,M
8	Q3556-01	VL043161.D	06 Nov 2025 11:36	SY/MD	Ok,M
9	Q3556-02	VL043162.D	06 Nov 2025 12:10	SY/MD	Ok,M
10	Q3557-01	VL043163.D	06 Nov 2025 12:44	SY/MD	Ok,M
11	Q3557-02	VL043164.D	06 Nov 2025 13:17	SY/MD	Dilution
12	Q3557-03	VL043165.D	06 Nov 2025 13:50	SY/MD	Ok,M
13	Q3555-04DL	VL043166.D	06 Nov 2025 14:22	SY/MD	Ok
14	Q3555-03DL	VL043167.D	06 Nov 2025 14:54	SY/MD	Ok,M
15	Q3556-03DL	VL043168.D	06 Nov 2025 15:27	SY/MD	Not Ok
16	Q3556-04DL	VL043169.D	06 Nov 2025 15:59	SY/MD	Not Ok
17	Q3557-04DL	VL043170.D	06 Nov 2025 16:31	SY/MD	Not Ok
18	Q3557-05DL	VL043171.D	06 Nov 2025 17:03	SY/MD	Ok
19	Q3557-02DL	VL043172.D	06 Nov 2025 17:35	SY/MD	Ok,M
20	Q3555-04	VL043173.D	06 Nov 2025 18:23	SY/MD	Dilution
21	Q3555-03	VL043174.D	06 Nov 2025 18:57	SY/MD	Dilution

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL110625

Review By	Semsettin Yesilyurt	Review On	11/10/2025 11:08:23 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/10/2025 1:02:12 PM				
SubDirectory	VL110625	HP Acquire Method	TO15AIR	HP Processing Method	VL101425AIR.M		

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

22	Q3556-03	VL043175.D	06 Nov 2025 19:30	SY/MD	Ok,M
23	Q3556-04	VL043176.D	06 Nov 2025 20:03	SY/MD	Ok,M
24	Q3557-04	VL043177.D	06 Nov 2025 20:35	SY/MD	Ok,M
25	Q3557-05	VL043178.D	06 Nov 2025 21:08	SY/MD	Dilution

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL101425

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

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

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

M : Manual Integration

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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL110625

Review By	Semsettin Yesilyurt	Review On	11/10/2025 11:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/10/2025 1:02:12 PM		
SubDirectory	VL110625	HP Acquire Method	TO15AIR	HP Processing Method	VL101425AIR.M

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL043154.D	06 Nov 2025 06:24		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL043155.D	06 Nov 2025 07:19		SY/MD	Ok,M
3	VL1106ABL01	VL1106ABL01	VL043156.D	06 Nov 2025 08:02		SY/MD	Ok
4	VL1106ABS01	VL1106ABS01	VL043157.D	06 Nov 2025 08:45		SY/MD	Ok,M
5	Q3555-02	151-IA-2	VL043158.D	06 Nov 2025 09:42		SY/MD	Ok,M
6	Q3555-02DUP	151-IA-2DUP	VL043159.D	06 Nov 2025 10:17		SY/MD	Ok,M
7	Q3555-01	151-IA-1	VL043160.D	06 Nov 2025 10:51		SY/MD	Ok,M
8	Q3556-01	131-IA1	VL043161.D	06 Nov 2025 11:36		SY/MD	Ok,M
9	Q3556-02	131-IA2	VL043162.D	06 Nov 2025 12:10		SY/MD	Ok,M
10	Q3557-01	141-AA-1	VL043163.D	06 Nov 2025 12:44		SY/MD	Ok,M
11	Q3557-02	141-IA-1	VL043164.D	06 Nov 2025 13:17	Need 4X	SY/MD	Dilution
12	Q3557-03	141-IA2	VL043165.D	06 Nov 2025 13:50		SY/MD	Ok,M
13	Q3555-04DL	151-SG-2DL	VL043166.D	06 Nov 2025 14:22	4	SY/MD	Ok
14	Q3555-03DL	151-SG-1DL	VL043167.D	06 Nov 2025 14:54	3	SY/MD	Ok,M
15	Q3556-03DL	131-SG-1DL	VL043168.D	06 Nov 2025 15:27	Run @ Lower Dilution	SY/MD	Not Ok
16	Q3556-04DL	131-SG-2DL	VL043169.D	06 Nov 2025 15:59	Run @ Lower Dilution	SY/MD	Not Ok
17	Q3557-04DL	141-SG-1DL	VL043170.D	06 Nov 2025 16:31	Run @ Lower Dilution	SY/MD	Not Ok
18	Q3557-05DL	141-SG-2DL	VL043171.D	06 Nov 2025 17:03		SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL110625

Review By	Semsettin Yesilyurt	Review On	11/10/2025 11:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/10/2025 1:02:12 PM		
SubDirectory	VL110625	HP Acquire Method	TO15AIR	HP Processing Method	VL101425AIR.M

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

19	Q3557-02DL	141-IA-1DL	VL043172.D	06 Nov 2025 17:35		SY/MD	Ok,M
20	Q3555-04	151-SG-2	VL043173.D	06 Nov 2025 18:23	Need 10X	SY/MD	Dilution
21	Q3555-03	151-SG-1	VL043174.D	06 Nov 2025 18:57	Need 10X	SY/MD	Dilution
22	Q3556-03	131-SG-1	VL043175.D	06 Nov 2025 19:30		SY/MD	Ok,M
23	Q3556-04	131-SG-2	VL043176.D	06 Nov 2025 20:03		SY/MD	Ok,M
24	Q3557-04	141-SG-1	VL043177.D	06 Nov 2025 20:35		SY/MD	Ok,M
25	Q3557-05	141-SG-2	VL043178.D	06 Nov 2025 21:08	Need 10X	SY/MD	Dilution

M : Manual Integration

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

Prep Standard - Chemical Standard Summary

Order ID : Q3557

Test : TO-15

Prepbatch ID :

Sequence ID/Qc Batch ID: VL110625,

Standard ID :
AP2684,AP2687,AP2688,AP2689,AP2690,

Chemical ID :
A1117,A1138,A1142,A1143,

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Fax : 908 789 8922

Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
47	Internal Standard/Surrogate Mix-80 ppbv	AP2684	10/14/2025	11/14/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/03/2025

FROM 2.40000psi of A1138 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2396	TO-15 15 PPBV CAL MIX	AP2687	10/14/2025	11/14/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/03/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1142 = Final Quantity: 30.000 psi

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Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2397	TO-15 -2 PPBV CAL.MIX	AP2688	10/14/2025	11/14/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/03/2025

FROM 26.00000psi of A1117 + 4.00000psi of AP2687 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2668	0.5 PPBV CAL.MIX	AP2689	10/14/2025	11/14/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/03/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2687 = Final Quantity: 30.000 psi

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Fax : 908 789 8922

Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2396	TO-15 15 PPBV CAL MIX	AP2690	10/14/2025	11/14/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/03/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1143 = Final Quantity: 30.000 psi

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
AIR LIQUIDE	365A-49 / AIR, Compressed	90402401186-01	04/01/2026	04/01/2022 / apatel	04/01/2022 / SAM	A1117

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TB500009-110 / TO-15 Internal Standard/Surrogate Standard	BC275465	12/16/2025	07/15/2025 / SAM	07/14/2025 / SAM	A1138

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene)	051925-001A	10/01/2026	10/13/2025 / sam	10/13/2025 / sam	A1142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene)	051925-001B	10/01/2026	10/13/2025 / sam	10/13/2025 / sam	A1143

Rec: 07/14/25

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A 1138

Certificate of Analysis

Customer:

Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Tel: (908) 789-8900

Cylinder Number: BC275465
Cylinder Size/CGA: 170/180SS
Fill Pressure: 1815 PSIA
Gas Volume: ~170 liters
Date of Mfg: 07/16/2024
Expiration Date: 012/16/2025

Ship To : Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Bromochloromethane	1 ppm	1.014 ppm +/- 0.02 ppm	Gravimetric Master Gas
4-Bromofluorobenzene	1 ppm	1.008 ppm +/- 0.02 ppm	
Chlorobenzene-D5	1 ppm	0.993 ppm +/- 0.02 ppm	
1,4-Difluorbenzene	1 ppm	0.979 ppm +/- 0.02 ppm	
Nitrogen	balance	balance	

NOTES:

Blend Tolerance: +/- 10 %

Analytical Tolerance: +/- 5 %

Traceability: NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis

Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.

Caution: Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature:

Signature:

Date: 07/16/2024

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A1142
Rec 10/13/25

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: BC993219
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 10/01/2025
Expiration Date: 10/01/2026
Lot Number: 051925-001A

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	051925-001	Email051925	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	508 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	515 ppb +/- 50 ppb	
Acrolein	500 ppb	514 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	519 ppb +/- 50 ppb	
Allyl chloride	500 ppb	499 ppb +/- 50 ppb	
Benzene	500 ppb	475 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	480 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	500 ppb +/- 50 ppb	
Bromoform	500 ppb	486 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	495 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	512 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	510 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	510 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	476 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	497 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	483 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	488 ppb +/- 50 ppb	
Chloroform	500 ppb	483 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	512 ppb +/- 50 ppb	
Cyclohexane	500 ppb	474 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	482 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	500 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	480 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	481 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	499 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	483 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	488 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	484 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	480 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	479 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	481 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	507 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	457 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	496 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	475 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	477 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	513 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	488 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	497 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	477 ppb +/- 50 ppb	
n-Heptane	500 ppb	478 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	480 ppb +/- 50 ppb	
2-Hexanone	500 ppb	482 ppb +/- 50 ppb	
n-Hexane	500 ppb	476 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	502 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	507 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	515 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	496 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	499 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	487 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	484 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	512 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	474 ppb +/- 50 ppb	
Methylene chloride	500 ppb	489 ppb +/- 50 ppb	
Naphthalene	500 ppb	506 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	510 ppb +/- 50 ppb	
Propylene	500 ppb	499 ppb +/- 50 ppb	
Styrene	500 ppb	477 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	515 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	475 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	478 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	504 ppb +/- 50 ppb	
Toluene	500 ppb	482 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	485 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	485 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	485 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	479 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	499 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	486 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	485 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	489 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	480 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	490 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	496 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	507 ppb +/- 50 ppb	
m-Xylene	500 ppb	484 ppb +/- 50 ppb	
o-Xylene	500 ppb	471 ppb +/- 50 ppb	
p-Xylene	500 ppb	477 ppb +/- 50 ppb	
2-Methyl Naphthalene	500 ppb	498 ppb +/- 50 ppb	
R-22	500 ppb	590 ppb +/- 50 ppb	
Nitrogen	balance	balance	

NOTES:	**Blend Tolerance:**	+/- 10 %
	Analytical Tolerance:	+/- 10 %
	Traceability:	NIST by weight set. NIST Traceability No MT001810. Internal Standards by analysis
	Reactive Mixtures:	Analyzed twice with required agreement between analyses of 2%. Required wait time between analyses of >7 days.
	Caution:	Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

Signature:

QA Signature:

Date: 10/01/2025

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A 1143
Rec 10/13/25

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: BC785565
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 10/01/2025
Expiration Date: 10/01/2026
Lot Number: 051925-001B

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	051925-001	Email051925	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	525 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	525 ppb +/- 50 ppb	
Acrolein	500 ppb	534 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	530 ppb +/- 50 ppb	
Allyl chloride	500 ppb	517 ppb +/- 50 ppb	
Benzene	500 ppb	492 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	497 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	518 ppb +/- 50 ppb	
Bromoform	500 ppb	503 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	512 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	523 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	510 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	520 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	520 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	493 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	515 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	500 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	496 ppb +/- 50 ppb	
Chloroform	500 ppb	500 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	523 ppb +/- 50 ppb	
Cyclohexane	500 ppb	491 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	499 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	518 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	497 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	498 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	516 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	500 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	505 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	501 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	497 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	496 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	498 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	525 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	473 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	513 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	492 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	494 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	523 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	505 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	515 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	494 ppb +/- 50 ppb	
n-Heptane	500 ppb	495 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	497 ppb +/- 50 ppb	
2-Hexanone	500 ppb	499 ppb +/- 50 ppb	
n-Hexane	500 ppb	493 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	520 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	518 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	524 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	514 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	517 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	504 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	501 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	523 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	491 ppb +/- 50 ppb	
Methylene chloride	500 ppb	506 ppb +/- 50 ppb	
Naphthalene	500 ppb	517 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	519 ppb +/- 50 ppb	
Propylene	500 ppb	516 ppb +/- 50 ppb	
Styrene	500 ppb	494 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	525 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	492 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	495 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	510 ppb +/- 50 ppb	
Toluene	500 ppb	499 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	502 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	502 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	503 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	496 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	517 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	503 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	502 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	506 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	497 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	507 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	514 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	515 ppb +/- 50 ppb	
m-Xylene	500 ppb	501 ppb +/- 50 ppb	
o-Xylene	500 ppb	488 ppb +/- 50 ppb	
p-Xylene	500 ppb	494 ppb +/- 50 ppb	
2-Methyl Naphthalene	500 ppb	498 ppb +/- 50 ppb	
R-22	500 ppb	590 ppb +/- 50 ppb	
Nitrogen	balance	balance	

NOTES:	**Blend Tolerance:**	+/- 10 %
	Analytical Tolerance:	+/- 10 %
	Traceability:	NIST by weight set. NIST Traceability No MT001810. Internal Standards by analysis
	Reactive Mixtures:	Analyzed twice with required agreement between analyses of 2%. Required wait time between analyses of >7 days.
	Caution:	Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature:

Signature:

Date: 10/01/2025

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

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

Process Report

Order ID : Q3557

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
11/06/2025	B2510050	Q3557-04	-8.4	10674	1.4 L	10543		C2509004	**VL042989.D** Seq :VL092325 TUNE : VL042982.D ICAL : VL042955.D CCAL : VL042983.D MB : VL042984.D
11/06/2025	B2510050	Q3557-05	-9.6	10428	1.4 L	10484		C2509004	**VL042989.D** Seq :VL092325 TUNE : VL042982.D ICAL : VL042955.D CCAL : VL042983.D MB : VL042984.D
11/06/2025	B2510050	Q3557-02	-4.3	10300	6 L	10520		C2509002	**VL042942.D** Seq :VL091825 TUNE : VL042938.D ICAL : VL042934.D CCAL : VL042939.D MB : VL042940.D
11/06/2025	B2510050	Q3557-01	-4.7	10296	6 L	10482		C2505005	**VL042598.D** Seq :vl052925 TUNE : VL042578.D ICAL : VL042584.D CCAL : VL042579.D MB : VL042588.D
11/06/2025	B2510050	Q3557-03	-5.1	10060	6 L	10236		C2509002	**VL042942.D** Seq :VL091825 TUNE : VL042938.D ICAL : VL042934.D CCAL : VL042939.D MB : VL042940.D

Canister Cleaning

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

Canister Batch : C2505005

Type of Canister : 6 L

Cleaning Date : 05/27/2025

Analyst : SAM

Oven Temperature : 125.0 c

Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10279	-30	05/28/2025	05/29/2025	-30	05/29/2025	Q2750-02	10609	VL042598.D
10609	-30	05/28/2025	05/29/2025	-30	05/29/2025	Q2834-01	10609	VL042598.D
10296	-30	05/28/2025	05/29/2025	-30	05/29/2025	Q3557-01	10609	VL042598.D
10604	-30	05/28/2025	05/29/2025	-30	05/29/2025	Q2834-02	10609	VL042598.D

Canister Cleaning

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

Canister Batch : C2509002

Type of Canister : 6 L

Cleaning Date : 09/11/2025

Analyst : sam

Oven Temperature : 125.0 c

Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10153	-30	09/12/2025	09/18/2025	-30	09/15/2025	Q3555-01	10060	VL042942.D
10283	-30	09/12/2025	09/18/2025	-30	09/15/2025	Q3556-02	10060	VL042942.D
10060	-30	09/12/2025	09/18/2025	-30	09/15/2025	Q3557-03	10060	VL042942.D
10602	-30	09/12/2025	09/18/2025	-30	09/15/2025	Q3320-03	10060	VL042942.D
10300	-30	09/12/2025	09/18/2025	-30	09/15/2025	Q3557-02	10060	VL042942.D
10443	-30	09/12/2025	09/18/2025	-30	09/15/2025	Q3320-06	10060	VL042942.D
10266	-30	09/12/2025	09/18/2025	-30	09/15/2025	Q3556-01	10060	VL042942.D
10053	-30	09/12/2025	09/18/2025	-30	09/15/2025	Q3320-01	10060	VL042942.D

Canister Cleaning

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

Canister Batch : C2509004

Type of Canister : 1.4 L

Cleaning Date : 02/26/2025

Analyst : sam

Oven Temperature : 125.0 c

Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10747	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3285-07	10747	VL042989.D
10752	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3556-04	10747	VL042989.D
10470	-30	02/26/2025	09/23/2025	-30	02/27/2025		10747	VL042989.D
10464	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3626-05	10747	VL042989.D
10435	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3626-06	10747	VL042989.D
10123	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3626-11	10747	VL042989.D
10737	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3556-03	10747	VL042989.D
10420	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3285-03	10420	VL042990.D
10743	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3285-06	10743	VL042991.D
10451	-30	02/26/2025	09/23/2025	-30	02/27/2025		10747	VL042989.D
10428	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3557-05	10747	VL042989.D
10423	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3555-04	10747	VL042989.D
10668	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3285-04	10668	VL042992.D
10122	-30	02/26/2025	09/23/2025	-30	02/27/2025		10747	VL042989.D
10136	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3285-01	10136	VL042987.D
10147	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3285-02	10147	VL042986.D
10674	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3557-04	10747	VL042989.D
10684	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3285-05	10684	VL042988.D
10653	-30	02/26/2025	09/23/2025	-30	02/27/2025	Q3555-03	10747	VL042989.D
10746	-30	02/26/2025	09/23/2025	-30	02/27/2025		10747	VL042989.D

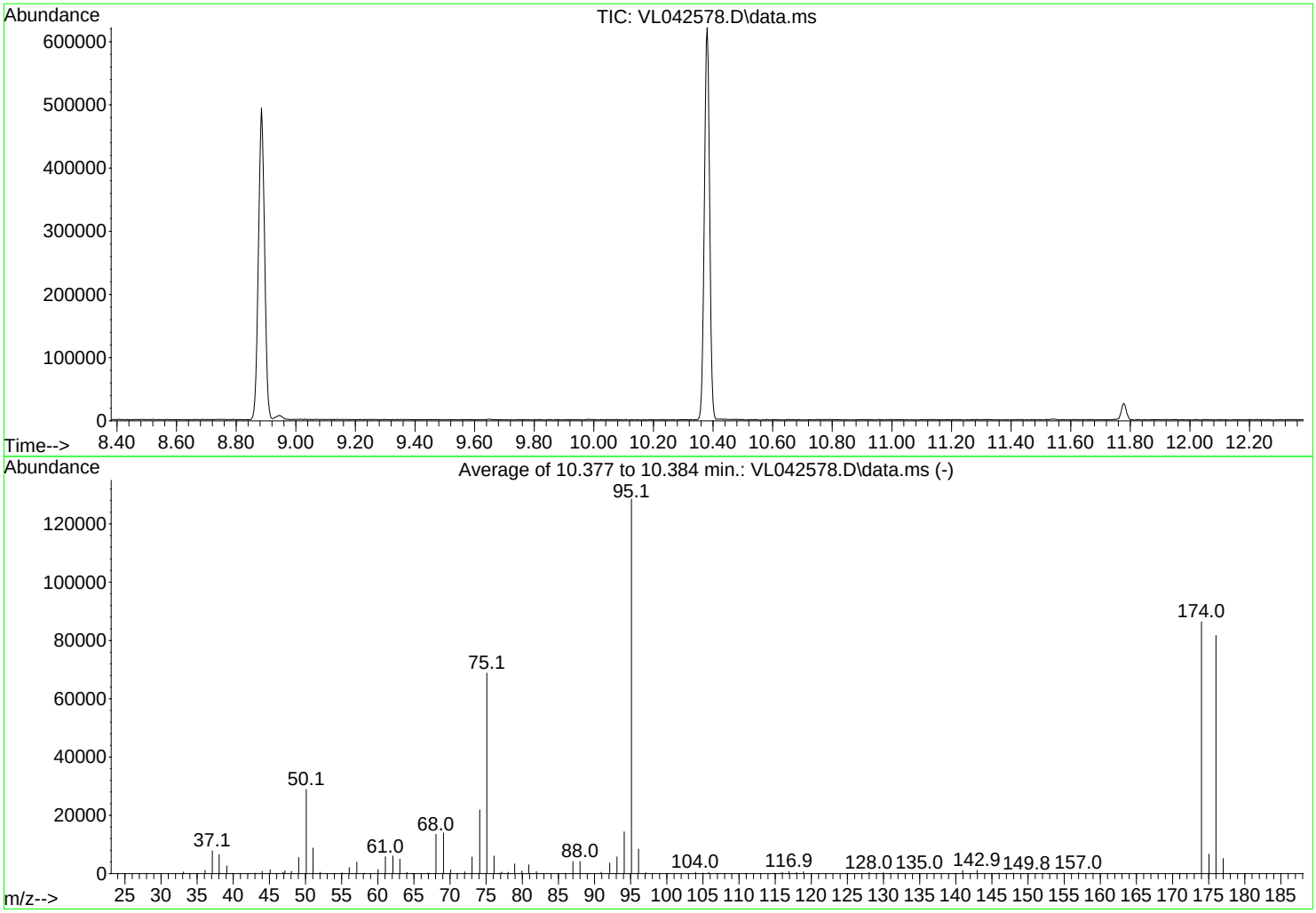
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042578.D
Acq On : 29 May 2025 08:05
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\VL052025AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed May 21 00:21:29 2025



AutoFind: Scans 3179, 3180, 3181; 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	22.4	28861	PASS
75	95	30	66	53.5	68792	PASS
95	95	100	100	100.0	128557	PASS
96	95	5	9	6.6	8426	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	67.2	86397	PASS
175	174	4	9	7.7	6664	PASS
176	174	93	101	94.6	81744	PASS
177	176	5	9	6.3	5154	PASS

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL052925AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri May 30 02:01:56 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042584.D 0.1 =VL042583.D 0.5 =VL042582.D 1 =VL042581.D 2 =VL042580.D 10 =VL042579.D 15 =VL042585.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.257	1.353	1.300	1.135	1.101	1.229	8.78
3)		Chlorodifluoro...			1.881	1.861	1.826	1.475	1.420	1.693	13.32
4)		Chloromethane			0.502	0.529	0.507	0.461	0.434	0.487	7.85
5)	T	Vinyl Chloride	0.675	0.465	0.529	0.487	0.468	0.437	0.409	0.496	17.69
6)	T	Bromomethane			0.310	0.251	0.230	0.216	0.200	0.241	17.69
7)		Chloroethane			0.214	0.212	0.198	0.175	0.164	0.193	11.60
8)	T	Dichlorotetraf...			1.099	1.098	1.075	0.948	0.900	1.024	9.11
9)	T	Propene			0.710	0.728	0.722	0.650	0.599	0.682	8.18
10)	T	Heptane			2.079	2.082	1.981	1.777	1.688	1.921	9.37
11)	T	Trichlorofluor...			1.193	1.209	1.202	1.071	1.043	1.144	6.98
12)	T	1,1,2-Trichlor...			0.903	0.980	0.951	0.838	0.818	0.898	7.79
13)		Ethanol			0.114	0.095	0.092	0.058	0.047	0.081	33.96
14)	T	Bromoethene			0.359	0.346	0.362	0.317	0.304	0.338	7.71
15)	T	Acetone			1.404	1.484	1.299	0.928	0.908	1.205	22.39
16)	T	1,3-Butadiene			0.649	0.636	0.597	0.491	0.480	0.571	14.07
17)		tert-Butyl alc...			1.337	1.334	1.279	1.237	1.088	1.255	8.14
18)	T	1,1-Dichloroet...			0.451	0.451	0.437	0.377	0.364	0.416	10.11
19)	T	Isopropyl Alcohol			0.825	0.782	0.742	0.659	0.593	0.720	13.03
20)	T	Methylene Chlo...			0.473	0.457	0.418	0.326	0.314	0.398	18.57
21)	T	Allyl Chloride			0.924	0.921	0.866	0.789	0.749	0.850	9.22
22)	T	trans-1,2-Dich...			0.496	0.517	0.466	0.427	0.418	0.465	9.21
23)	T	Vinyl Acetate			1.750	1.663	1.686	1.458	1.584	1.628	6.89
24)	T	1,1-Dichloroet...			0.996	1.046	1.004	0.903	0.833	0.957	9.03
25)	T	Ethyl Acetate			3.496	3.585	3.412	3.054	2.934	3.296	8.67
26)	T	Hexane			1.690	1.638	1.526	1.350	1.286	1.498	11.76
27)	T	Carbon Disulfide			1.174	1.267	1.198	1.069	1.040	1.150	8.16
28)	T	Methyl tert-Bu...			0.664	0.693	0.621	0.550	0.511	0.608	12.59
29)	T	Chloroform			2.099	2.120	2.034	1.755	1.731	1.948	9.74
30)	T	Cyclohexane			1.318	1.363	1.288	1.146	1.092	1.242	9.38
31)	T	cis-1,2-Dichlo...			1.419	1.461	1.465	1.271	1.235	1.370	7.96
32)	T	1,1,1-Trichlor...	2.207	2.083	2.004	2.043	2.029	1.794	1.771	1.990	7.86
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.760	0.754	0.746	0.655	0.651	0.713	7.71
35)	T	Carbon Tetrach...	0.681	0.706	0.665	0.684	0.670	0.603	0.612	0.660	5.82
36)	T	Benzene			1.051	1.052	1.027	0.900	0.894	0.985	8.20
37)	T	1,2-Dichloroet...			0.518	0.509	0.513	0.448	0.460	0.489	6.72
38)	T	Trichloroethene	0.389	0.432	0.468	0.455	0.438	0.376	0.373	0.419	9.28
39)	T	1,2-Dichloropr...			0.415	0.374	0.373	0.329	0.330	0.364	9.85

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL052925AIR.M

40)	T	1,4-Dioxane			0.172	0.178	0.168	0.152	0.145	0.163	8.70
41)	T	Tetrahydrofuran			0.445	0.446	0.426	0.388	0.382	0.417	7.33
42)	T	Bromodichlorom...			0.702	0.737	0.721	0.656	0.660	0.695	5.17
43)		Methyl Methacr...			0.398	0.384	0.406	0.366	0.357	0.382	5.36
44)	T	2,2,4-Trimethy...			1.811	1.830	1.765	1.522	1.495	1.684	9.67
45)	T	t-1,3-Dichloro...			0.433	0.455	0.456	0.424	0.418	0.437	4.01
46)	T	cis-1,3-Dichlo...			0.567	0.568	0.555	0.527	0.523	0.548	3.99
47)	T	1,1,2-Trichlor...			0.406	0.401	0.394	0.343	0.340	0.377	8.69
48)	T	Dibromochlorom...			0.600	0.642	0.635	0.570	0.571	0.603	5.64
49)	T	Bromoform			0.524	0.519	0.553	0.508	0.501	0.521	3.83
50)	T	4-Methyl-2-Pen...			1.036	1.030	1.002	0.958	0.919	0.989	5.05
51)	T	2-Hexanone			0.752	0.818	0.824	0.779	0.749	0.784	4.49
52)	T	Tetrachloroethene	0.351	0.407	0.391	0.383	0.390	0.333	0.321	0.368	8.93
53)	T	Toluene			1.210	1.190	1.197	1.054	1.040	1.138	7.35
54)	T	1,2-Dibromoethane		0.575	0.578	0.590	0.576	0.516	0.513	0.558	6.15
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.520	0.536	0.528	0.467	0.464	0.503	6.95
57)	T	Chlorobenzene			1.081	1.028	1.014	0.868	0.865	0.971	10.17
58)	T	Ethyl Benzene			1.770	1.786	1.833	1.547	1.545	1.696	8.19
59)	T	m/p-Xylene			1.411	1.412	1.431	1.212	1.208	1.335	8.55
60)	T	o-Xylene			1.430	1.410	1.441	1.187	1.188	1.331	9.87
61)	T	Styrene			0.626	0.658	0.678	0.590	0.596	0.629	6.07
62)		Isopropylbenzene			2.060	2.129	2.121	1.772	1.751	1.967	9.62
63)	T	1,1,2,2-Tetrac...	1.054	0.828	0.879	0.861	0.855	0.723	0.727	0.847	13.16
64)		n-propylbenzene			0.579	0.541	0.570	0.471	0.475	0.527	9.74
65)		tert-Butylbenzene			1.945	1.923	1.942	1.577	1.538	1.785	11.68
66)	T	Benzyl Chloride			0.199	0.237	0.252	0.241	0.220	0.230	8.94
67)		sec-Butylbenzene			2.745	2.743	2.699	2.195	2.165	2.509	12.01
68)	S	1-Bromo-4-Fluo...	0.752	0.751	0.755	0.751	0.741	0.744	0.754	0.750	0.68
69)		p-Isopropyltol...			2.241	2.249	2.299	1.868	1.851	2.101	10.57
70)		n-Butylbenzene			2.110	2.267	2.299	1.842	1.853	2.074	10.56
71)		2-Chlorotoluene			1.603	1.620	1.596	1.343	1.339	1.500	9.70
72)	T	4-Ethyltoluene			1.704	1.797	1.823	1.481	1.494	1.660	9.86
73)	T	1,3,5-Trimethy...			1.441	1.482	1.475	1.235	1.236	1.374	9.25
74)	T	1,2,4-Trimethy...			1.640	1.675	1.666	1.335	1.306	1.524	12.26
75)	T	1,3-Dichlorobe...			1.031	1.034	1.040	0.839	0.843	0.957	11.13
76)	T	1,4-Dichlorobe...			0.998	1.040	1.037	0.849	0.851	0.955	10.18
77)	T	1,2-Dichlorobe...			1.019	1.008	1.027	0.798	0.793	0.929	13.14
78)	T	Hexachloro-1,3...			0.872	0.893	0.880	0.607	0.593	0.769	20.11
79)	T	Naphthalene		1.088	1.366	1.634	1.785	1.383	1.366	1.437	16.89
80)	T	Naphthalene,2-...			0.444	0.562	0.781	0.716	0.743	0.649	21.85
81)	T	1,2,4-Trichlor...			0.716	0.889	0.944	0.735	0.727	0.802	13.26

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042579.D
Acq On : 29 May 2025 11:09
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:16:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	102792	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	307854	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	285844	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	212758	9.929	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	116625	9.232	ppbv	100
3) Chlorodifluoromethane	1.476	51	151637	8.715	ppbv	100
4) Chloromethane	1.534	50	47416	9.478	ppbv	100
5) Vinyl Chloride	1.580	62	44895	8.809	ppbv	100
6) Bromomethane	1.667	94	22207	8.953	ppbv	100
7) Chloroethane	1.706	64	17953	9.066	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	97419	9.255	ppbv	100
9) Propene	1.483	41	66767	9.529	ppbv	100
10) Heptane	4.981	43	182619	9.236	ppbv	100
11) Trichlorofluoromethane	1.877	101	110055	9.363	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	86117	9.330	ppbv	100
13) Ethanol	1.722	45	5975m	7.639	ppbv	
14) Bromoethene	1.784	108	32588	9.386	ppbv	100
15) Acetone	1.835	43	95441	7.708	ppbv	100
16) 1,3-Butadiene	1.609	39	50485	8.607	ppbv	100
17) tert-Butyl alcohol	2.043	59	127162	9.858	ppbv	100
18) 1,1-Dichloroethene	2.036	96	38765	9.026	ppbv	100
19) Isopropyl Alcohol	1.887	45	67731	9.151	ppbv	100
20) Methylene Chloride	2.062	84	33544	8.209	ppbv	100
21) Allyl Chloride	2.098	41	81153	9.289	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	43936	9.165	ppbv	100
23) Vinyl Acetate	2.467	43	149858	8.954	ppbv	100
24) 1,1-Dichloroethane	2.412	63	92836	9.442	ppbv	100
25) Ethyl Acetate	2.839	43	313915	9.264	ppbv	100
26) Hexane	2.829	57	138771	9.013	ppbv	100
27) Carbon Disulfide	2.153	76	109904	9.298	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	56510	9.045	ppbv	100
29) Chloroform	2.852	83	180449	9.013	ppbv	100
30) Cyclohexane	3.858	84	117833	9.232	ppbv	100
31) cis-1,2-Dichloroethene	2.722	61	130618	9.274	ppbv	100
32) 1,1,1-Trichloroethane	3.370	97	184372	9.177	ppbv	100
34) 2-Butanone	2.560	43	201796	9.192	ppbv	100
35) Carbon Tetrachloride	3.768	117	185629	9.132	ppbv	100
36) Benzene	3.661	78	277132	9.142	ppbv	100
37) 1,2-Dichloroethane	3.221	62	137914	9.153	ppbv	100
38) Trichloroethene	4.551	130	115772	8.916	ppbv	100
39) 1,2-Dichloropropane	4.318	63	101185	9.029	ppbv	100
40) 1,4-Dioxane	4.590	88	46671	9.797	ppbv #	100
41) Tetrahydrofuran	3.059	42	119530	9.301	ppbv	100
42) Bromodichloromethane	4.496	83	202026	9.441	ppbv	100
43) Methyl Methacrylate	4.884	69	112746	9.595	ppbv	100
44) 2,2,4-Trimethylpentane	4.648	57	468572	9.043	ppbv	100
45) t-1,3-Dichloropropene	6.422	75	130611	9.700	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042579.D
Acq On : 29 May 2025 11:09
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:16:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	162155	9.614	ppbv	100
47) 1,1,2-Trichloroethane	6.587	97	105576	9.097	ppbv	100
48) Dibromochloromethane	7.396	129	175572	9.450	ppbv	100
49) Bromoform	9.490	173	156317	9.751	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	294836	9.643	ppbv	100
51) 2-Hexanone	7.445	43	239826	9.930	ppbv	100
52) Tetrachloroethene	8.231	164	102403	9.038	ppbv	100
53) Toluene	6.943	91	324605	9.264	ppbv	100
54) 1,2-Dibromoethane	7.658	107	158813	9.231	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.930	131	133368	9.279	ppbv	100
57) Chlorobenzene	8.927	112	248085	8.938	ppbv	100
58) Ethyl Benzene	9.361	91	442268	9.121	ppbv	100
59) m/p-Xylene	9.539	91	692934m	18.156	ppbv	
60) o-Xylene	9.969	91	339403	8.919	ppbv	100
61) Styrene	9.875	104	168674	9.374	ppbv	100
62) Isopropylbenzene	10.545	105	506586	9.010	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	206564	8.536	ppbv	100
64) n-propylbenzene	10.992	120	134675	8.936	ppbv	99
65) tert-Butylbenzene	11.536	119	450639	8.833	ppbv	100
66) Benzyl Chloride	11.620	91	68801	10.457	ppbv	100
67) sec-Butylbenzene	11.772	105	627565	8.749	ppbv	100
69) p-Isopropyltoluene	11.931	119	533961	8.889	ppbv	100
70) n-Butylbenzene	12.287	91	526566	8.881	ppbv	100
71) 2-Chlorotoluene	10.904	91	383881	8.952	ppbv	100
72) 4-Ethyltoluene	11.131	105	423227	8.920	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	352978	8.989	ppbv	100
74) 1,2,4-Trimethylbenzene	11.542	105	381512	8.755	ppbv	100
75) 1,3-Dichlorobenzene	11.613	146	239782	8.762	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	242731	8.894	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	228222	8.593	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	173447	7.893	ppbv	100
79) Naphthalene	13.516	128	395465	9.666	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	204746	11.045	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	210120	9.163	ppbv	100

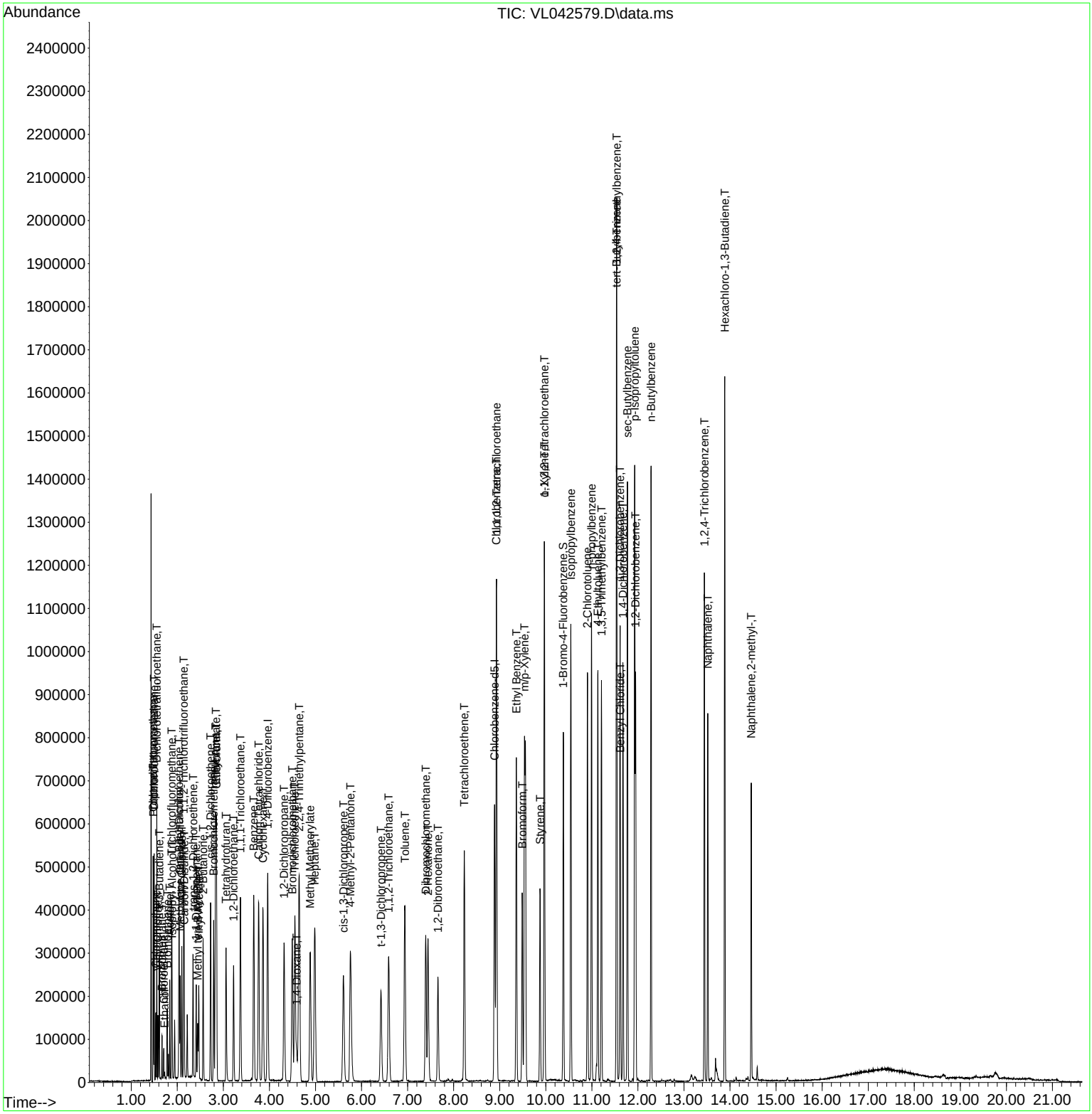
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042579.D
Acq On : 29 May 2025 11:09
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:16:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042580.D
Acq On : 29 May 2025 11:43
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	104930	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.965	114	310090	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	284199	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	210508	9.881	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	27278	2.115	ppbv		99
3) Chlorodifluoromethane	1.476	51	38320	2.157	ppbv		98
4) Chloromethane	1.534	50	10641	2.084	ppbv		98
5) Vinyl Chloride	1.580	62	9819	1.887	ppbv		98
6) Bromomethane	1.670	94	4819	1.903	ppbv		83
7) Chloroethane	1.706	64	4162	2.059	ppbv	#	85
8) Dichlorotetrafluoroethane	1.554	85	22568	2.100	ppbv		98
9) Propene	1.483	41	15155	2.119	ppbv		96
10) Heptane	4.988	43	41577	2.060	ppbv		97
11) Trichlorofluoromethane	1.878	101	25215	2.101	ppbv		94
12) 1,1,2-Trichlorotrifluo...	2.143	101	19963	2.119	ppbv		99
13) Ethanol	1.722	45	1925m	2.411	ppbv		
14) Bromoethene	1.784	108	7607	2.146	ppbv	#	94
15) Acetone	1.839	43	27254	2.156	ppbv		100
16) 1,3-Butadiene	1.609	39	12523	2.092	ppbv		95
17) tert-Butyl alcohol	2.046	59	26842	2.039	ppbv		96
18) 1,1-Dichloroethene	2.036	96	9179	2.094	ppbv		95
19) Isopropyl Alcohol	1.887	45	15567	2.060	ppbv	#	43
20) Methylene Chloride	2.062	84	8763	2.101	ppbv		95
21) Allyl Chloride	2.098	41	18178	2.038	ppbv		91
22) trans-1,2-Dichloroethene	2.344	96	9775	1.998	ppbv		97
23) Vinyl Acetate	2.467	43	35373	2.070	ppbv	#	96
24) 1,1-Dichloroethane	2.412	63	21077	2.100	ppbv		98
25) Ethyl Acetate	2.842	43	71613	2.070	ppbv		99
26) Hexane	2.829	57	32018	2.037	ppbv		97
27) Carbon Disulfide	2.153	76	25143	2.084	ppbv	#	62
28) Methyl tert-Butyl Ether	2.444	73	13034	2.044	ppbv	#	90
29) Chloroform	2.852	83	42693	2.089	ppbv		93
30) Cyclohexane	3.858	84	27030	2.075	ppbv		96
31) cis-1,2-Dichloroethene	2.726	61	30737	2.138	ppbv		93
32) 1,1,1-Trichloroethane	3.373	97	42588	2.077	ppbv		99
34) 2-Butanone	2.564	43	46279	2.093	ppbv		100
35) Carbon Tetrachloride	3.768	117	41545	2.029	ppbv		95
36) Benzene	3.661	78	63709	2.086	ppbv		96
37) 1,2-Dichloroethane	3.221	62	31831	2.097	ppbv		97
38) Trichloroethene	4.554	130	27139	2.075	ppbv		95
39) 1,2-Dichloropropane	4.321	63	23145	2.050	ppbv		98
40) 1,4-Dioxane	4.603	88	10426m	2.173	ppbv		
41) Tetrahydrofuran	3.062	42	26391	2.039	ppbv		96
42) Bromodichloromethane	4.496	83	44705	2.074	ppbv		90
43) Methyl Methacrylate	4.894	69	25156m	2.126	ppbv		
44) 2,2,4-Trimethylpentane	4.648	57	109446	2.097	ppbv		100
45) t-1,3-Dichloropropene	6.432	75	28273m	2.085	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042580.D
Acq On : 29 May 2025 11:43
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	34445	2.027	ppbv		98
47) 1,1,2-Trichloroethane	6.590	97	24455	2.092	ppbv		94
48) Dibromochloromethane	7.396	129	39361	2.103	ppbv		99
49) Bromoform	9.487	173	34270	2.122	ppbv		98
50) 4-Methyl-2-Pentanone	5.771	43	62167	2.018	ppbv		99
51) 2-Hexanone	7.451	43	51074	2.100	ppbv	#	97
52) Tetrachloroethene	8.234	164	24205	2.121	ppbv		95
53) Toluene	6.940	91	74240	2.104	ppbv		99
54) 1,2-Dibromoethane	7.661	107	35750	2.063	ppbv		94
56) 1,1,1,2-Tetrachloroethane	8.933	131	30026	2.101	ppbv		97
57) Chlorobenzene	8.930	112	57617	2.088	ppbv		95
58) Ethyl Benzene	9.361	91	104171	2.161	ppbv		96
59) m/p-Xylene	9.558	91	162694m	4.288	ppbv		
60) o-Xylene	9.969	91	81886	2.164	ppbv		97
61) Styrene	9.879	104	38542	2.154	ppbv		99
62) Isopropylbenzene	10.545	105	120576	2.157	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.969	83	48590	2.020	ppbv		99
64) n-propylbenzene	10.995	120	32406	2.163	ppbv		100
65) tert-Butylbenzene	11.536	119	110380	2.176	ppbv		99
66) Benzyl Chloride	11.620	91	14327	2.190	ppbv		98
67) sec-Butylbenzene	11.772	105	153401	2.151	ppbv		99
69) p-Isopropyltoluene	11.931	119	130647	2.188	ppbv		99
70) n-Butylbenzene	12.287	91	130662	2.216	ppbv		100
71) 2-Chlorotoluene	10.908	91	90725	2.128	ppbv		99
72) 4-Ethyltoluene	11.128	105	103640	2.197	ppbv		98
73) 1,3,5-Trimethylbenzene	11.209	105	83829	2.147	ppbv		100
74) 1,2,4-Trimethylbenzene	11.542	105	94716	2.186	ppbv		98
75) 1,3-Dichlorobenzene	11.610	146	59138	2.174	ppbv		98
76) 1,4-Dichlorobenzene	11.675	146	58920	2.171	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	58400	2.212	ppbv		96
78) Hexachloro-1,3-Butadiene	13.885	225	49999	2.288	ppbv		98
79) Naphthalene	13.517	128	101451	2.494	ppbv		98
80) Naphthalene,2-methyl-	14.462	142	44376	2.408	ppbv		99
81) 1,2,4-Trichlorobenzene	13.445	180	53653	2.353	ppbv		97

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

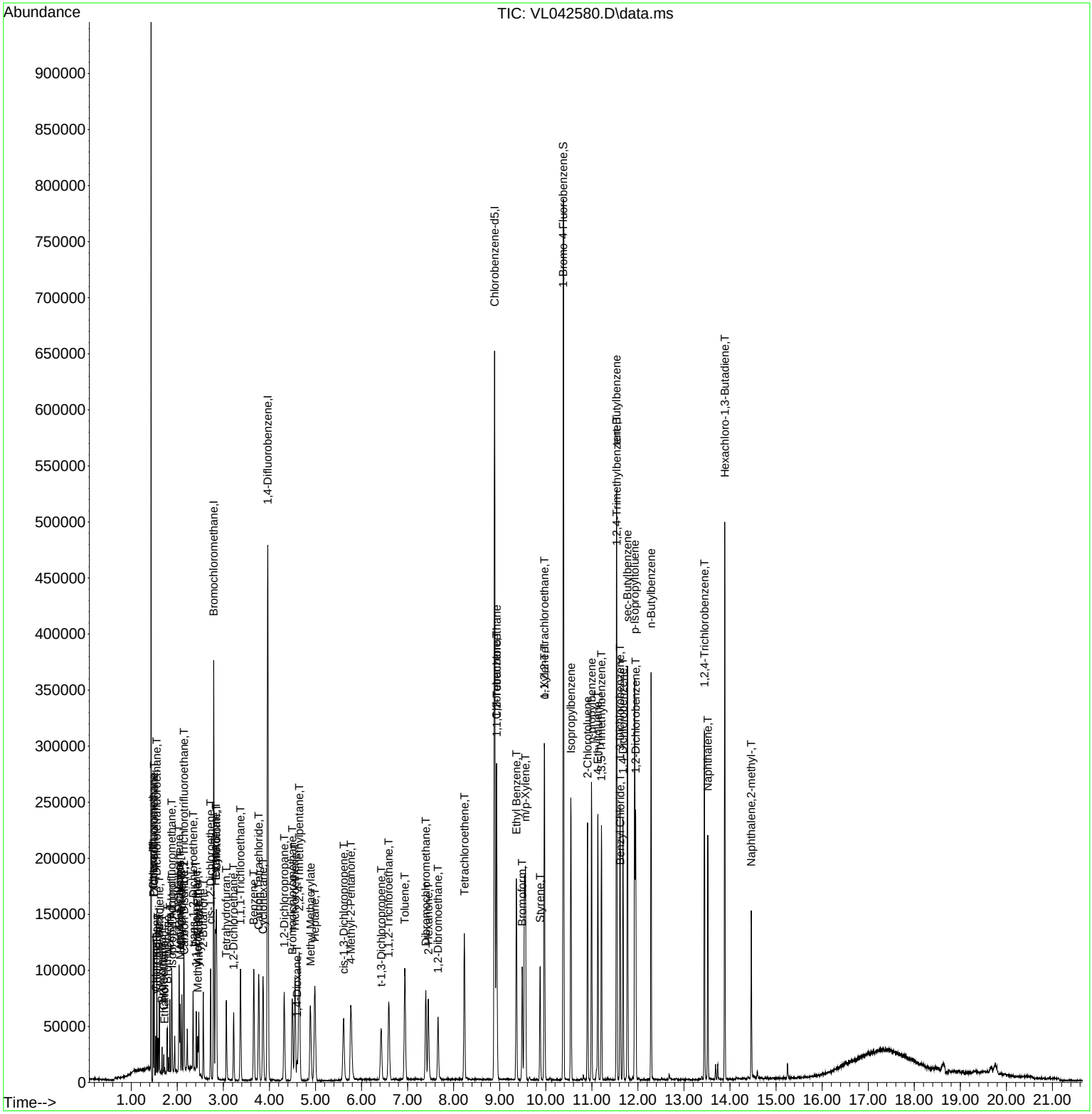
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042580.D
Acq On : 29 May 2025 11:43
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042581.D
Acq On : 29 May 2025 12:15
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:18:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	101864	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	307159	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	279402	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	209886	10.021	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	13779	1.101	ppbv		95
3) Chlorodifluoromethane	1.476	51	18960	1.100	ppbv		99
4) Chloromethane	1.531	50	5387	1.087	ppbv		89
5) Vinyl Chloride	1.580	62	4964	0.983	ppbv		99
6) Bromomethane	1.667	94	2560	1.041	ppbv		99
7) Chloroethane	1.703	64	2164	1.103	ppbv	#	84
8) Dichlorotetrafluoroethane	1.554	85	11182	1.072	ppbv		98
9) Propene	1.483	41	7413	1.068	ppbv		97
10) Heptane	4.981	43	21213m	1.083	ppbv		
11) Trichlorofluoromethane	1.878	101	12319	1.058	ppbv		95
12) 1,1,2-Trichlorotrifluo...	2.136	101	9979	1.091	ppbv		98
13) Ethanol	1.722	45	968	1.249	ppbv	#	61
14) Bromoethene	1.780	108	3524	1.024	ppbv	#	97
15) Acetone	1.835	43	15114	1.232	ppbv		98
16) 1,3-Butadiene	1.609	39	6483	1.115	ppbv		92
17) tert-Butyl alcohol	2.043	59	13587	1.063	ppbv	#	83
18) 1,1-Dichloroethene	2.036	96	4598	1.080	ppbv		85
19) Isopropyl Alcohol	1.887	45	7964	1.086	ppbv	#	38
20) Methylene Chloride	2.062	84	4654	1.149	ppbv		98
21) Allyl Chloride	2.094	41	9378	1.083	ppbv	#	83
22) trans-1,2-Dichloroethene	2.340	96	5269	1.109	ppbv		98
23) Vinyl Acetate	2.463	43	16945	1.022	ppbv	#	96
24) 1,1-Dichloroethane	2.408	63	10651	1.093	ppbv	#	98
25) Ethyl Acetate	2.839	43	36518	1.088	ppbv		99
26) Hexane	2.826	57	16686	1.094	ppbv		99
27) Carbon Disulfide	2.149	76	12910	1.102	ppbv	#	22
28) Methyl tert-Butyl Ether	2.441	73	7064	1.141	ppbv		93
29) Chloroform	2.849	83	21594	1.088	ppbv		100
30) Cyclohexane	3.858	84	13889	1.098	ppbv		96
31) cis-1,2-Dichloroethene	2.722	61	14880	1.066	ppbv		89
32) 1,1,1-Trichloroethane	3.370	97	20811	1.045	ppbv		97
34) 2-Butanone	2.560	43	23148	1.057	ppbv		99
35) Carbon Tetrachloride	3.765	117	21013	1.036	ppbv		89
36) Benzene	3.658	78	32310	1.068	ppbv		99
37) 1,2-Dichloroethane	3.218	62	15623	1.039	ppbv		97
38) Trichloroethene	4.551	130	13969	1.078	ppbv		98
39) 1,2-Dichloropropane	4.321	63	11488	1.027	ppbv		87
40) 1,4-Dioxane	4.600	88	5479m	1.153	ppbv		
41) Tetrahydrofuran	3.062	42	13711	1.069	ppbv		99
42) Bromodichloromethane	4.490	83	22628	1.060	ppbv	#	96
43) Methyl Methacrylate	4.884	69	11810	1.007	ppbv		97
44) 2,2,4-Trimethylpentane	4.645	57	56202m	1.087	ppbv		
45) t-1,3-Dichloropropene	6.415	75	13988m	1.041	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042581.D
Acq On : 29 May 2025 12:15
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:18:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	17453m	1.037	ppbv		
47) 1,1,2-Trichloroethane	6.587	97	12328m	1.065	ppbv		
48) Dibromochloromethane	7.393	129	19719	1.064	ppbv		99
49) Bromoform	9.484	173	15937	0.996	ppbv		96
50) 4-Methyl-2-Pentanone	5.765	43	31646	1.037	ppbv		99
51) 2-Hexanone	7.445	43	25135	1.043	ppbv	#	96
52) Tetrachloroethene	8.228	164	11770	1.041	ppbv		97
53) Toluene	6.936	91	36540	1.045	ppbv		97
54) 1,2-Dibromoethane	7.658	107	18114	1.055	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.927	131	14971	1.066	ppbv		95
57) Chlorobenzene	8.927	112	28714	1.058	ppbv		100
58) Ethyl Benzene	9.357	91	49899	1.053	ppbv		96
59) m/p-Xylene	9.535	91	78893m	2.115	ppbv		
60) o-Xylene	9.966	91	39398	1.059	ppbv		99
61) Styrene	9.875	104	18371	1.045	ppbv		100
62) Isopropylbenzene	10.542	105	59492	1.083	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	24057	1.017	ppbv		99
64) n-propylbenzene	10.992	120	15107	1.026	ppbv		90
65) tert-Butylbenzene	11.532	119	53720	1.077	ppbv		99
66) Benzyl Chloride	11.617	91	6617	1.029	ppbv		98
67) sec-Butylbenzene	11.769	105	76631	1.093	ppbv		100
69) p-Isopropyltoluene	11.927	119	62849	1.070	ppbv		100
70) n-Butylbenzene	12.283	91	63350	1.093	ppbv		99
71) 2-Chlorotoluene	10.901	91	45250	1.080	ppbv		99
72) 4-Ethyltoluene	11.128	105	50214	1.083	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	41412	1.079	ppbv		100
74) 1,2,4-Trimethylbenzene	11.536	105	46810	1.099	ppbv	#	90
75) 1,3-Dichlorobenzene	11.610	146	28889	1.080	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	29060	1.089	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	28176	1.085	ppbv		97
78) Hexachloro-1,3-Butadiene	13.882	225	24950	1.162	ppbv		98
79) Naphthalene	13.517	128	45649	1.141	ppbv	#	94
80) Naphthalene,2-methyl-	14.458	142	15700	0.866	ppbv		96
81) 1,2,4-Trichlorobenzene	13.442	180	24843	1.108	ppbv		97

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

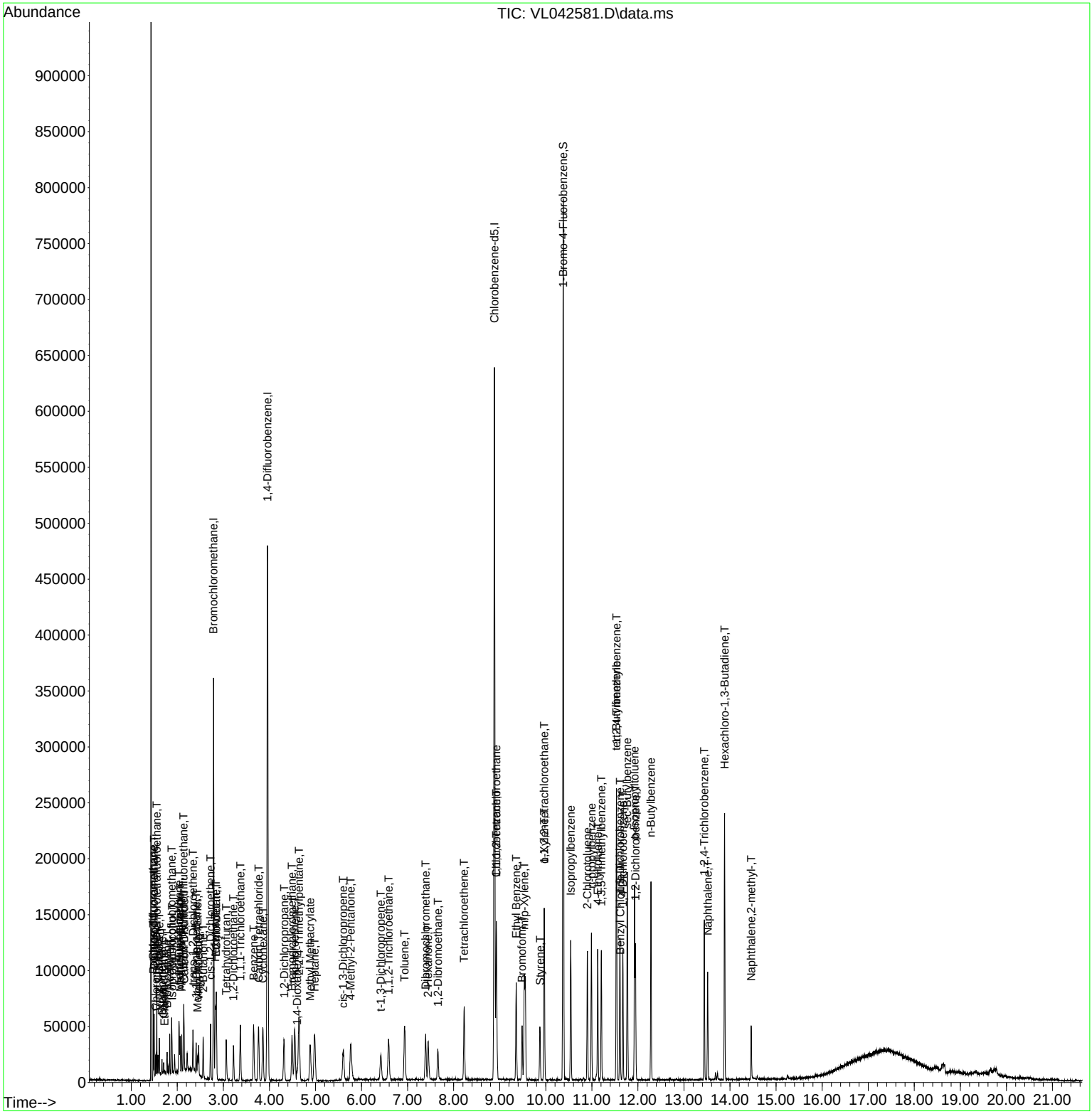
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042581.D
Acq On : 29 May 2025 12:15
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:18:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042582.D
Acq On : 29 May 2025 12:47
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:19:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	102909	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	304613	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	276104	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	208325	10.065	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6470	0.512	ppbv	98
3) Chlorodifluoromethane	1.476	51	9678	0.556	ppbv	96
4) Chloromethane	1.531	50	2584	0.516	ppbv	97
5) Vinyl Chloride	1.580	62	2721	0.533	ppbv	96
6) Bromomethane	1.667	94	1594	0.642	ppbv #	74
7) Chloroethane	1.706	64	1099	0.554	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	5655	0.537	ppbv	97
9) Propene	1.483	41	3653	0.521	ppbv	87
10) Heptane	4.988	43	10697	0.540	ppbv	98
11) Trichlorofluoromethane	1.878	101	6138	0.522	ppbv	91
12) 1,1,2-Trichlorotrifluo...	2.140	101	4647	0.503	ppbv	89
13) Ethanol	1.722	45	586m	0.748	ppbv	
14) Bromoethene	1.781	108	1849	0.532	ppbv #	84
15) Acetone	1.836	43	7225	0.583	ppbv	95
16) 1,3-Butadiene	1.609	39	3340	0.569	ppbv	89
17) tert-Butyl alcohol	2.046	59	6877	0.533	ppbv #	92
18) 1,1-Dichloroethene	2.036	96	2319	0.539	ppbv #	73
19) Isopropyl Alcohol	1.887	45	4245	0.573	ppbv #	44
20) Methylene Chloride	2.062	84	2435	0.595	ppbv	93
21) Allyl Chloride	2.098	41	4754	0.544	ppbv	96
22) trans-1,2-Dichloroethene	2.341	96	2553	0.532	ppbv	93
23) Vinyl Acetate	2.464	43	9005	0.537	ppbv #	86
24) 1,1-Dichloroethane	2.409	63	5127	0.521	ppbv #	89
25) Ethyl Acetate	2.842	43	17990	0.530	ppbv	98
26) Hexane	2.826	57	8694	0.564	ppbv	96
27) Carbon Disulfide	2.153	76	6043	0.511	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	3416	0.546	ppbv #	81
29) Chloroform	2.849	83	10798	0.539	ppbv	98
30) Cyclohexane	3.855	84	6784m	0.531	ppbv	
31) cis-1,2-Dichloroethene	2.722	61	7302	0.518	ppbv	97
32) 1,1,1-Trichloroethane	3.367	97	10309	0.513	ppbv	98
34) 2-Butanone	2.564	43	11569	0.533	ppbv	99
35) Carbon Tetrachloride	3.761	117	10126	0.503	ppbv	92
36) Benzene	3.661	78	16000	0.533	ppbv	95
37) 1,2-Dichloroethane	3.224	62	7883	0.529	ppbv	98
38) Trichloroethene	4.554	130	7126	0.555	ppbv	92
39) 1,2-Dichloropropane	4.318	63	6317m	0.570	ppbv	
40) 1,4-Dioxane	4.609	88	2618m	0.555	ppbv	
41) Tetrahydrofuran	3.066	42	6775	0.533	ppbv	96
42) Bromodichloromethane	4.490	83	10688	0.505	ppbv	94
43) Methyl Methacrylate	4.888	69	6056	0.521	ppbv	96
44) 2,2,4-Trimethylpentane	4.645	57	27584	0.538	ppbv	96
45) t-1,3-Dichloropropene	6.422	75	6598	0.495	ppbv	92

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042582.D
Acq On : 29 May 2025 12:47
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:19:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	8637m	0.518	ppbv		
47) 1,1,2-Trichloroethane	6.584	97	6189m	0.539	ppbv		
48) Dibromochloromethane	7.399	129	9133m	0.497	ppbv		
49) Bromoform	9.484	173	7974	0.503	ppbv		98
50) 4-Methyl-2-Pentanone	5.771	43	15782m	0.522	ppbv		
51) 2-Hexanone	7.451	43	11458	0.479	ppbv	#	98
52) Tetrachloroethene	8.231	164	5950	0.531	ppbv		87
53) Toluene	6.940	91	18429	0.532	ppbv		100
54) 1,2-Dibromoethane	7.655	107	8810	0.518	ppbv		82
56) 1,1,1,2-Tetrachloroethane	8.934	131	7178	0.517	ppbv		89
57) Chlorobenzene	8.930	112	14920	0.557	ppbv		89
58) Ethyl Benzene	9.358	91	24442	0.522	ppbv		88
59) m/p-Xylene	9.555	91	38955m	1.057	ppbv		
60) o-Xylene	9.966	91	19745	0.537	ppbv		99
61) Styrene	9.875	104	8639	0.497	ppbv		99
62) Isopropylbenzene	10.545	105	28442	0.524	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.969	83	12137	0.519	ppbv		97
64) n-propylbenzene	10.995	120	7993	0.549	ppbv		97
65) tert-Butylbenzene	11.533	119	26856	0.545	ppbv		99
66) Benzyl Chloride	11.614	91	2753m	0.433	ppbv		
67) sec-Butylbenzene	11.769	105	37899	0.547	ppbv		98
69) p-Isopropyltoluene	11.931	119	30931	0.533	ppbv		99
70) n-Butylbenzene	12.284	91	29130	0.509	ppbv		98
71) 2-Chlorotoluene	10.905	91	22135	0.534	ppbv		100
72) 4-Ethyltoluene	11.128	105	23521	0.513	ppbv		97
73) 1,3,5-Trimethylbenzene	11.206	105	19891	0.524	ppbv		86
74) 1,2,4-Trimethylbenzene	11.536	105	22635	0.538	ppbv	#	83
75) 1,3-Dichlorobenzene	11.610	146	14232	0.538	ppbv		98
76) 1,4-Dichlorobenzene	11.675	146	13773	0.522	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	14062	0.548	ppbv		99
78) Hexachloro-1,3-Butadiene	13.882	225	12036	0.567	ppbv		97
79) Naphthalene	13.517	128	18853	0.477	ppbv		96
80) Naphthalene,2-methyl-	14.462	142	6126	0.342	ppbv		98
81) 1,2,4-Trichlorobenzene	13.442	180	9879	0.446	ppbv		99

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

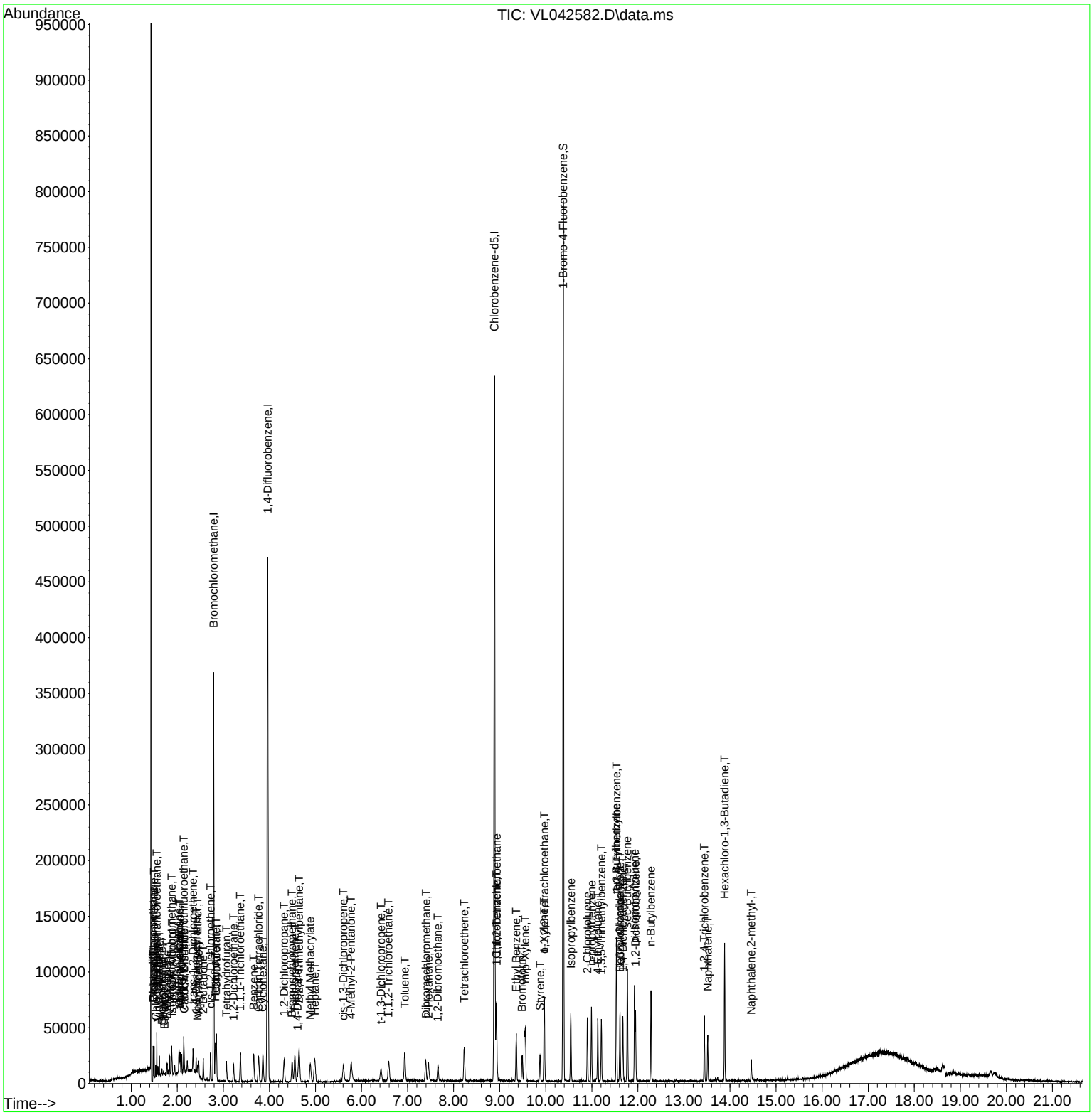
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042582.D
Acq On : 29 May 2025 12:47
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:19:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042583.D
Acq On : 29 May 2025 13:19
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	103370	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	302218	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	273881	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	205672	10.018	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.200%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	481	0.094	ppbv #	31
32) 1,1,1-Trichloroethane	3.373	97	2153	0.107	ppbv	90
35) Carbon Tetrachloride	3.768	117	2135	0.107	ppbv #	76
38) Trichloroethene	4.548	130	1305m	0.102	ppbv	
52) Tetrachloroethene	8.238	164	1230m	0.111	ppbv	
54) 1,2-Dibromoethane	7.658	107	1737m	0.103	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.969	83	2267	0.098	ppbv	96
79) Naphthalene	13.523	128	2980m	0.076	ppbv	

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

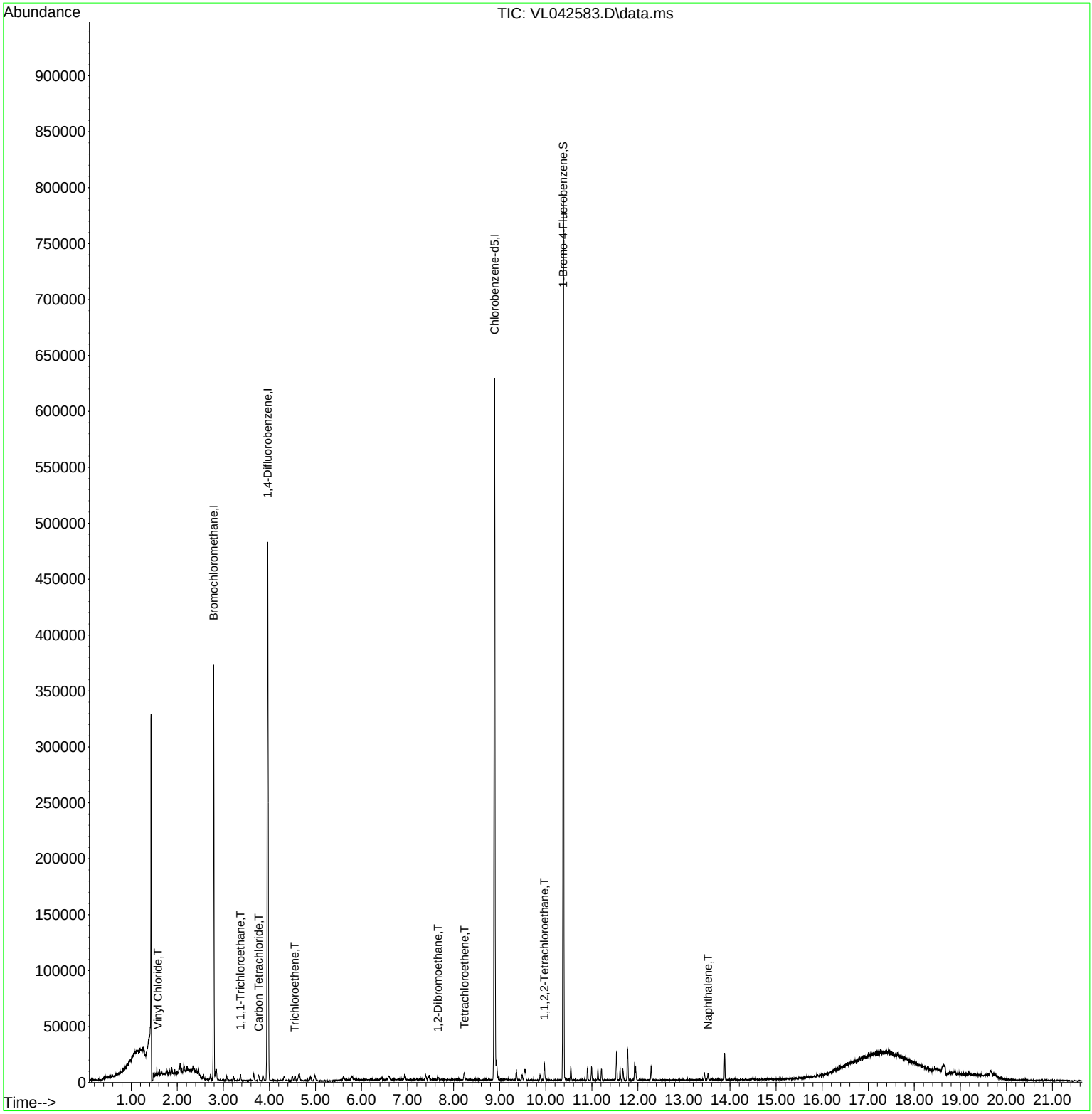
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042583.D
Acq On : 29 May 2025 13:19
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:35:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042584.D
Acq On : 29 May 2025 13:51
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:36:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	103144	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	305114	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	273881	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	205981	10.033	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.300%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.577	62	209	0.041	ppbv	# 77
32) 1,1,1-Trichloroethane	3.373	97	683m	0.034	ppbv	
35) Carbon Tetrachloride	3.764	117	623m	0.031	ppbv	
38) Trichloroethene	4.541	130	356m	0.028	ppbv	
52) Tetrachloroethene	8.228	164	321m	0.029	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.969	83	866	0.037	ppbv	# 82

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

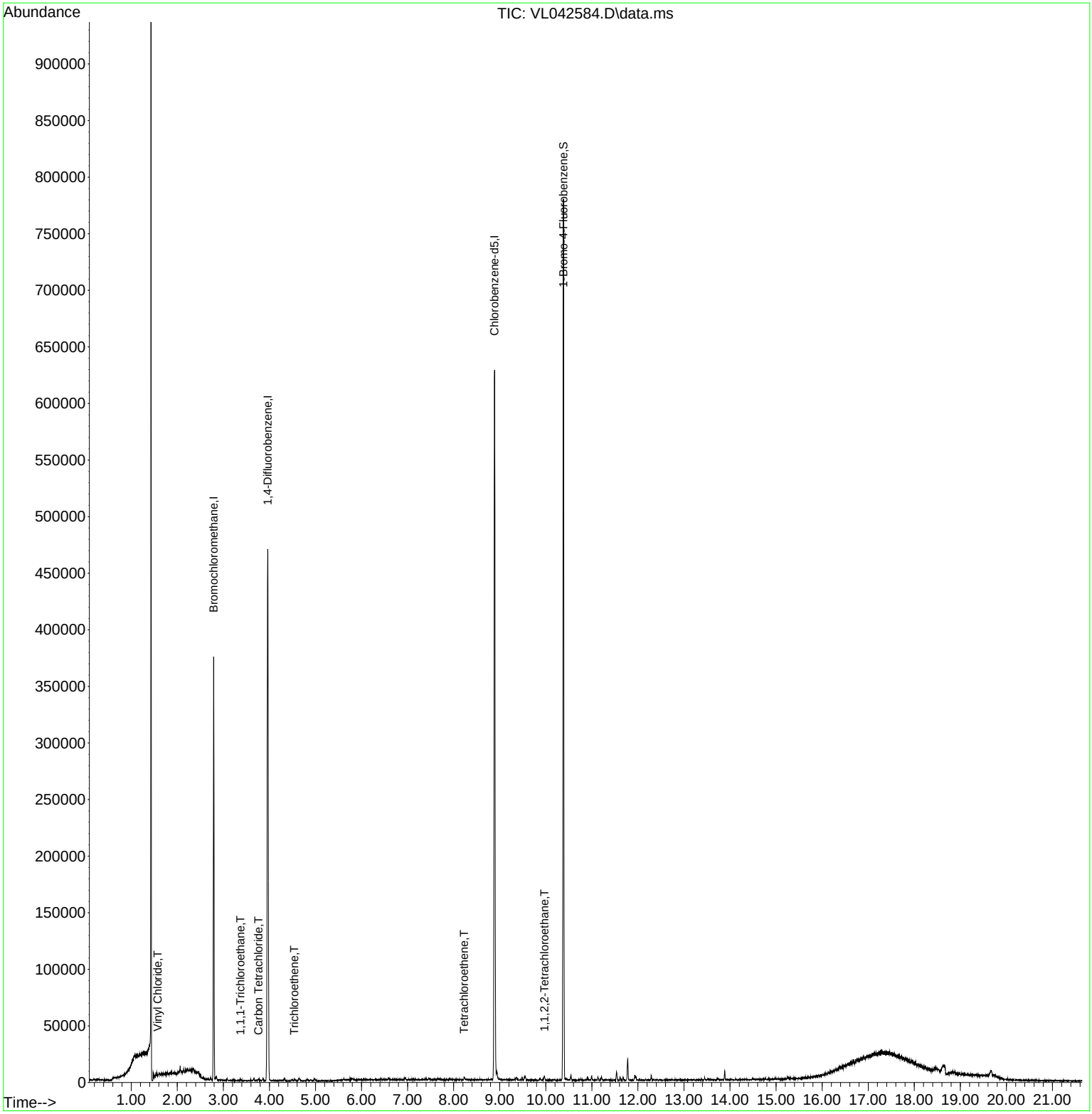
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042584.D
Acq On : 29 May 2025 13:51
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:36:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042585.D
Acq On : 29 May 2025 14:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:21:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	103906	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	301797	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	274912	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	207170	10.053	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	171529	13.432	ppbv	98
3) Chlorodifluoromethane	1.476	51	221334	12.584	ppbv	99
4) Chloromethane	1.534	50	67662	13.380	ppbv	99
5) Vinyl Chloride	1.580	62	63738	12.373	ppbv	98
6) Bromomethane	1.667	94	31141	12.420	ppbv	100
7) Chloroethane	1.706	64	25591	12.785	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	140345	13.189	ppbv	99
9) Propene	1.483	41	93357	13.181	ppbv	97
10) Heptane	4.988	43	263111	13.165	ppbv	100
11) Trichlorofluoromethane	1.877	101	162591	13.684	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	127489	13.664	ppbv	99
13) Ethanol	1.722	45	7390m	9.346	ppbv	
14) Bromoethene	1.784	108	47382	13.501	ppbv	99
15) Acetone	1.835	43	141460	11.302	ppbv	98
16) 1,3-Butadiene	1.609	39	74743	12.607	ppbv	100
17) tert-Butyl alcohol	2.042	59	169533	13.002	ppbv	100
18) 1,1-Dichloroethene	2.036	96	56808	13.085	ppbv	99
19) Isopropyl Alcohol	1.887	45	92408	12.351	ppbv	98
20) Methylene Chloride	2.062	84	48862	11.830	ppbv	97
21) Allyl Chloride	2.097	41	116771	13.223	ppbv	100
22) trans-1,2-Dichloroethene	2.343	96	65132	13.441	ppbv	97
23) Vinyl Acetate	2.466	43	246907	14.594	ppbv	99
24) 1,1-Dichloroethane	2.411	63	129870	13.067	ppbv	99
25) Ethyl Acetate	2.839	43	457327	13.352	ppbv	99
26) Hexane	2.829	57	200386	12.876	ppbv	99
27) Carbon Disulfide	2.152	76	162143	13.571	ppbv	96
28) Methyl tert-Butyl Ether	2.441	73	79625	12.608	ppbv	100
29) Chloroform	2.852	83	269752	13.328	ppbv	98
30) Cyclohexane	3.861	84	170261	13.196	ppbv	99
31) cis-1,2-Dichloroethene	2.722	61	192562	13.526	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	276026	13.591	ppbv	99
34) 2-Butanone	2.560	43	294628	13.689	ppbv	99
35) Carbon Tetrachloride	3.768	117	277042	13.903	ppbv	98
36) Benzene	3.661	78	404641	13.615	ppbv	99
37) 1,2-Dichloroethane	3.221	62	208081	14.088	ppbv	100
38) Trichloroethene	4.551	130	168824	13.263	ppbv	91
39) 1,2-Dichloropropane	4.318	63	149476	13.606	ppbv	98
40) 1,4-Dioxane	4.590	88	65543	14.035	ppbv #	98
41) Tetrahydrofuran	3.056	42	173023	13.734	ppbv	99
42) Bromodichloromethane	4.493	83	298835	14.245	ppbv	96
43) Methyl Methacrylate	4.887	69	161641	14.033	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	676574	13.319	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	189257	14.338	ppbv	95

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042585.D
Acq On : 29 May 2025 14:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:21:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	236653	14.313	ppbv	94
47) 1,1,2-Trichloroethane	6.590	97	153862	13.524	ppbv	93
48) Dibromochloromethane	7.393	129	258374	14.187	ppbv	100
49) Bromoform	9.490	173	226719	14.427	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	416119	13.882	ppbv	100
51) 2-Hexanone	7.441	43	339220	14.328	ppbv	98
52) Tetrachloroethene	8.231	164	145485	13.098	ppbv	99
53) Toluene	6.939	91	470632	13.702	ppbv	100
54) 1,2-Dibromoethane	7.661	107	232051	13.758	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.930	131	191145	13.828	ppbv	99
57) Chlorobenzene	8.930	112	356655	13.361	ppbv	98
58) Ethyl Benzene	9.361	91	637083	13.662	ppbv	99
59) m/p-Xylene	9.561	91	996602m	27.151	ppbv	
60) o-Xylene	9.969	91	490036	13.389	ppbv	98
61) Styrene	9.875	104	245714	14.199	ppbv	100
62) Isopropylbenzene	10.545	105	722166	13.356	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	299633	12.875	ppbv	99
64) n-propylbenzene	10.995	120	195952	13.519	ppbv	97
65) tert-Butylbenzene	11.536	119	634159	12.924	ppbv	99
66) Benzyl Chloride	11.620	91	90617	14.320	ppbv	99
67) sec-Butylbenzene	11.772	105	892638	12.939	ppbv	100
69) p-Isopropyltoluene	11.930	119	763150	13.210	ppbv	100
70) n-Butylbenzene	12.286	91	764173	13.401	ppbv	99
71) 2-Chlorotoluene	10.908	91	552265	13.390	ppbv	100
72) 4-Ethyltoluene	11.131	105	616187	13.504	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	509801	13.498	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	538704	12.854	ppbv	97
75) 1,3-Dichlorobenzene	11.613	146	347478	13.203	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	350757	13.363	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	326960	12.800	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	244375	11.563	ppbv	98
79) Naphthalene	13.516	128	563437	14.318	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	306586	17.196	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	299869	13.598	ppbv	99

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

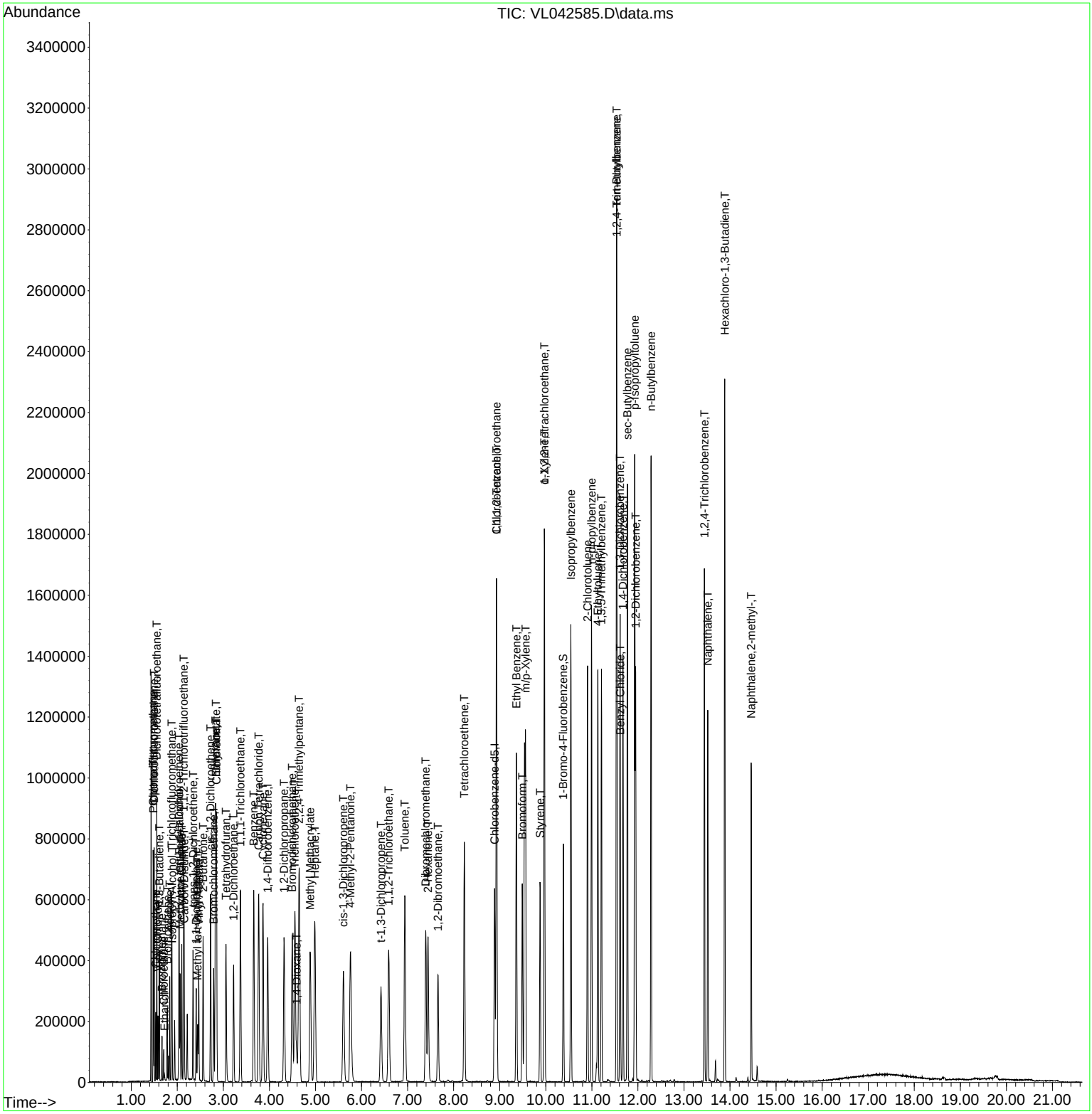
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042585.D
Acq On : 29 May 2025 14:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 01:21:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025


Abundance
TIC: VL042585.D\data.ms
Time-->
Hexachloro-1,3-Butadiene,T
1,2,4-Trichlorobenzene,T
Naphthalene,T
Naphthalene,2-methyl-,T
n-Butylbenzene
p-Isopropyltoluene
sec-Butylbenzene
1,2-Dichlorobenzene,T
1,4-Dichlorobenzene,T
Benzyl Chloride,T
1,2,4-Trimethylbenzene,T
4-Ethyltoluene
2-Chlorotoluene
Isopropylbenzene
1-Bromo-4-Fluorobenzene,S
Styrene,T
Bromoform,T
Ethyl Benzene,T
m/p-Xylene,T
Tetrachloroethene,T
Chlorobenzene-d5,I
1,2-Dibromoethane,T
Hexachloroethane,T
2-Hexanone,T
Bromochloromethane,T
Toluene,T
1,1,2-Trichloroethane,T
t-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
cis-1,3-Dichloropropene,T
Methyl Methacrylate
Heptane,T
1,2-Dichloropropane,T
Bromodichloromethane,T
1,4-Dioxane,T
Cyclohexane,T
Benzene,T
1,2-Dichloroethene,T
Tetrahydrofuran,T
1,1,1-Trichloroethane,T
Carbon Tetrachloride,T
Methyl Cyclohexane,T
Dichlorodifluoromethane,T
Chloromethane,T
Bromomethane,T
Trichlorofluoromethane,T
Ethanol,T
Acetone,T
Isopropyl Alcohol,T
Ethyl Ether,T
Ethanol,T
Acetonitrile,T
Carbon Disulfide,T
Methylene Chloride,T
Methyl-t-Butyl Ether,T
Vinyl Acetate,T
2-Butanone,T
Ethyl Acetate,T
Chloroform,T
Tetrahydrofuran,T
1,1-Dichloroethane,T
Vinyl Chloride,T
Chloroethane,T
Trichlorofluoromethane,T
Ethanol,T
Acetone,T
Isopropyl Alcohol,T
Ethyl Ether

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042586.D
Acq On : 29 May 2025 14:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	102428	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	301054	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	275875	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	203743	9.852	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	115266	9.156	ppbv	97
3) Chlorodifluoromethane	1.476	51	150107	8.658	ppbv	99
4) Chloromethane	1.534	50	45964	9.220	ppbv	99
5) Vinyl Chloride	1.583	62	43925	8.650	ppbv	98
6) Bromomethane	1.670	94	20899	8.455	ppbv	96
7) Chloroethane	1.706	64	16853	8.541	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	97812	9.325	ppbv	98
9) Propene	1.486	41	60663	8.688	ppbv	98
10) Heptane	4.991	43	179146	9.102	ppbv	99
11) Trichlorofluoromethane	1.881	101	111088	9.484	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	90493	9.839	ppbv	98
13) Ethanol	1.722	45	5315m	6.387	ppbv	
14) Bromoethene	1.783	108	31882	9.215	ppbv	97
15) Acetone	1.838	43	93713	7.596	ppbv	99
16) 1,3-Butadiene	1.612	39	51473	8.807	ppbv	98
17) tert-Butyl alcohol	2.042	59	123536	9.611	ppbv	99
18) 1,1-Dichloroethene	2.036	96	40171	9.423	ppbv	94
19) Isopropyl Alcohol	1.887	45	65635	8.899	ppbv	99
20) Methylene Chloride	2.065	84	34380	8.444	ppbv	98
21) Allyl Chloride	2.097	41	80936	9.297	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	46389	9.742	ppbv	99
23) Vinyl Acetate	2.466	43	168496	10.103	ppbv	99
24) 1,1-Dichloroethane	2.411	63	92180	9.408	ppbv	99
25) Ethyl Acetate	2.839	43	309666	9.171	ppbv	99
26) Hexane	2.829	57	136378	8.889	ppbv	99
27) Carbon Disulfide	2.152	76	114756	9.743	ppbv #	92
28) Methyl tert-Butyl Ether	2.444	73	57913	9.302	ppbv	100
29) Chloroform	2.852	83	180696	9.057	ppbv	96
30) Cyclohexane	3.861	84	116986	9.198	ppbv	97
31) cis-1,2-Dichloroethene	2.725	61	130619	9.307	ppbv	97
32) 1,1,1-Trichloroethane	3.373	97	185017	9.077	ppbv	100
34) 2-Butanone	2.560	43	198226	9.233	ppbv	100
35) Carbon Tetrachloride	3.771	117	186286	9.374	ppbv	100
36) Benzene	3.664	78	274314	9.253	ppbv	99
37) 1,2-Dichloroethane	3.224	62	140785	9.555	ppbv	99
38) Trichloroethene	4.557	130	115086	9.133	ppbv	96
39) 1,2-Dichloropropane	4.324	63	98542	8.988	ppbv	99
40) 1,4-Dioxane	4.590	88	45655	9.306	ppbv #	99
41) Tetrahydrofuran	3.059	42	116984	9.309	ppbv	98
42) Bromodichloromethane	4.496	83	202489	9.676	ppbv	92
43) Methyl Methacrylate	4.891	69	108397	9.421	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	461095	9.093	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	125588m	9.538	ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042586.D
Acq On : 29 May 2025 14:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	156828	9.505	ppbv	98
47) 1,1,2-Trichloroethane	6.590	97	103138	9.088	ppbv	92
48) Dibromochloromethane	7.399	129	170606	9.391	ppbv	99
49) Bromoform	9.493	173	152725	9.742	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	278990	9.369	ppbv	100
51) 2-Hexanone	7.444	43	228036	9.655	ppbv	98
52) Tetrachloroethene	8.231	164	98872	8.925	ppbv	99
53) Toluene	6.943	91	319640	9.329	ppbv	99
54) 1,2-Dibromoethane	7.661	107	157298	9.364	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	127601	9.199	ppbv	97
57) Chlorobenzene	8.930	112	242533	9.054	ppbv	97
58) Ethyl Benzene	9.364	91	432250	9.237	ppbv	97
59) m/p-Xylene	9.558	91	676743m	18.377	ppbv	
60) o-Xylene	9.972	91	333107	9.069	ppbv	100
61) Styrene	9.878	104	163167	9.396	ppbv	100
62) Isopropylbenzene	10.545	105	491107	9.051	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	204322	8.749	ppbv	100
64) n-propylbenzene	10.995	120	131695	9.054	ppbv	100
65) tert-Butylbenzene	11.539	119	431251	8.758	ppbv	98
66) Benzyl Chloride	11.620	91	59801	9.435	ppbv	100
67) sec-Butylbenzene	11.772	105	607905	8.781	ppbv	99
69) p-Isopropyltoluene	11.930	119	512739	8.844	ppbv	100
70) n-Butylbenzene	12.286	91	514931	8.998	ppbv	100
71) 2-Chlorotoluene	10.908	91	377413	9.119	ppbv	99
72) 4-Ethyltoluene	11.131	105	412686	9.012	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	346043	9.131	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	371879	8.842	ppbv	94
75) 1,3-Dichlorobenzene	11.613	146	234703	8.886	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	237978	9.034	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	224400	8.754	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	169185	7.977	ppbv	99
79) Naphthalene	13.516	128	383192	9.666	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	194375	10.853	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	198696	8.978	ppbv	98

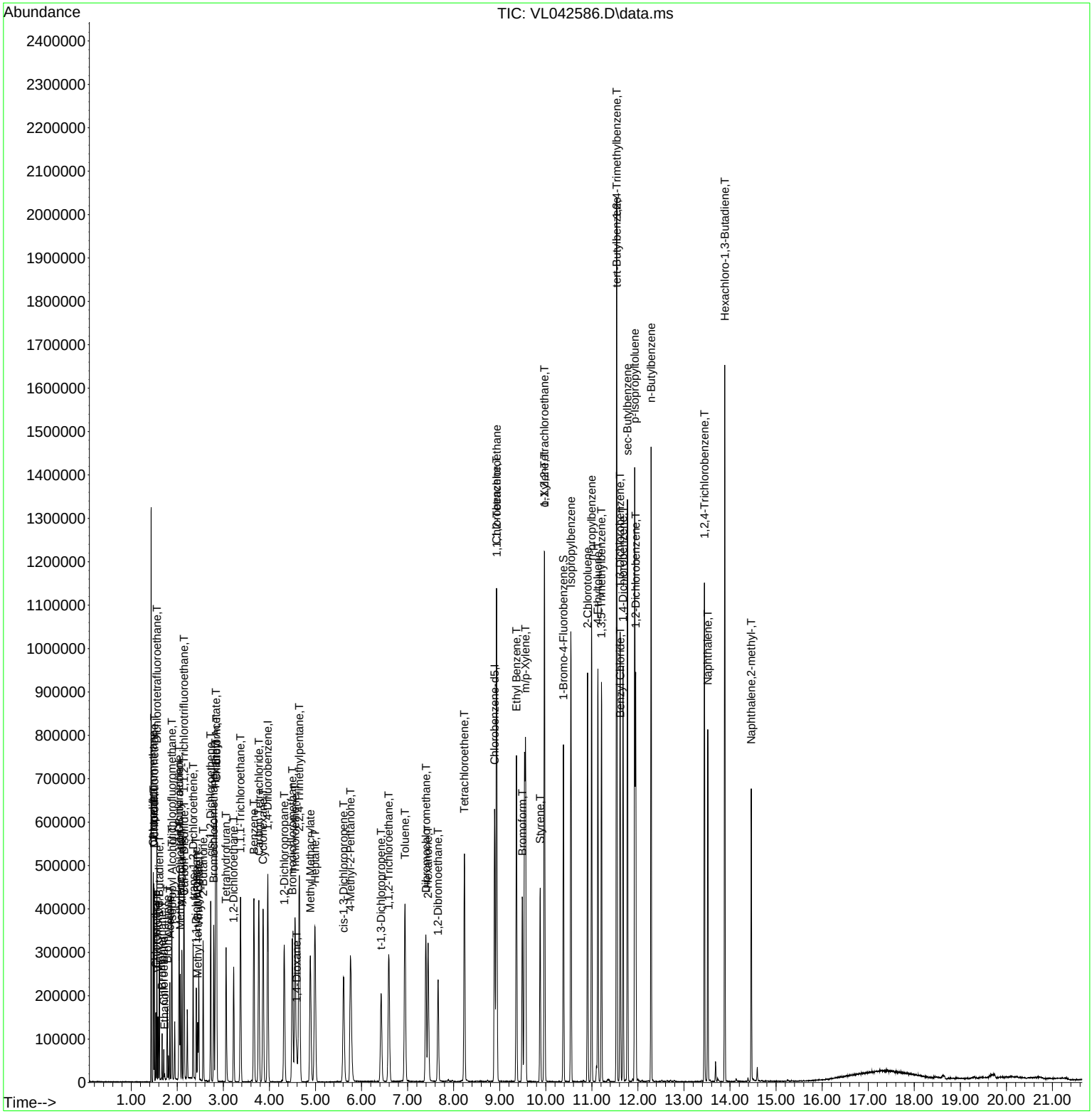
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042586.D
Acq On : 29 May 2025 14:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042586.D
Acq On : 29 May 2025 14:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Quant Time: May 30 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 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	100	0.00
2	T	Dichlorodifluoromethane	1.229	1.125	8.5	99	0.00
3		Chlorodifluoromethane	1.693	1.465	13.5	99	0.00
4		Chloromethane	0.487	0.449	7.8	97	0.00
5	T	Vinyl Chloride	0.496	0.429	13.5	98	0.00
6	T	Bromomethane	0.241	0.204	15.4	94	0.00
7		Chloroethane	0.193	0.165	14.5	94	0.00
8	T	Dichlorotetrafluoroethane	1.024	0.955	6.7	100	0.00
9	T	Propene	0.682	0.592	13.2	91	0.00
10	T	Heptane	1.921	1.749	9.0	98	0.00
11	T	Trichlorofluoromethane	1.144	1.085	5.2	101	0.00
12	T	1,1,2-Trichlorotrifluoroeth	0.898	0.883	1.7	105	0.00
13		Ethanol	0.081	0.052	35.8#	89	0.00
14	T	Bromoethene	0.338	0.311	8.0	98	0.00
15	T	Acetone	1.205	0.915	24.1	98	0.00
16	T	1,3-Butadiene	0.571	0.503	11.9	102	0.00
17		tert-Butyl alcohol	1.255	1.206	3.9	97	0.00
18	T	1,1-Dichloroethene	0.416	0.392	5.8	104	0.00
19	T	Isopropyl Alcohol	0.720	0.641	11.0	97	0.00
20	T	Methylene Chloride	0.398	0.336	15.6	102	0.00
21	T	Allyl Chloride	0.850	0.790	7.1	100	0.00
22	T	trans-1,2-Dichloroethene	0.465	0.453	2.6	106	0.00
23	T	Vinyl Acetate	1.628	1.645	-1.0	112	0.00
24	T	1,1-Dichloroethane	0.957	0.900	6.0	99	0.00
25	T	Ethyl Acetate	3.296	3.023	8.3	99	0.00
26	T	Hexane	1.498	1.331	11.1	98	0.00
27	T	Carbon Disulfide	1.150	1.120	2.6	104	0.00
28	T	Methyl tert-Butyl Ether	0.608	0.565	7.1	102	0.00
29	T	Chloroform	1.948	1.764	9.4	100	0.00
30	T	Cyclohexane	1.242	1.142	8.1	99	0.00
31	T	cis-1,2-Dichloroethene	1.370	1.275	6.9	100	0.00
32	T	1,1,1-Trichloroethane	1.990	1.806	9.2	100	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
34	T	2-Butanone	0.713	0.658	7.7	98	0.00
35	T	Carbon Tetrachloride	0.660	0.619	6.2	100	0.00
36	T	Benzene	0.985	0.911	7.5	99	0.00
37	T	1,2-Dichloroethane	0.489	0.468	4.3	102	0.00
38	T	Trichloroethene	0.419	0.382	8.8	99	0.00
39	T	1,2-Dichloropropane	0.364	0.327	10.2	97	0.00
40	T	1,4-Dioxane	0.163	0.152	6.7	98	0.00
41	T	Tetrahydrofuran	0.417	0.389	6.7	98	0.00
42	T	Bromodichloromethane	0.695	0.673	3.2	100	0.00
43		Methyl Methacrylate	0.382	0.360	5.8	96	0.00
44	T	2,2,4-Trimethylpentane	1.684	1.532	9.0	98	0.00
45	T	t-1,3-Dichloropropene	0.437	0.417	4.6	96	0.00
46	T	cis-1,3-Dichloropropene	0.548	0.521	4.9	97	0.00
47	T	1,1,2-Trichloroethane	0.377	0.343	9.0	98	0.00
48	T	Dibromochloromethane	0.603	0.567	6.0	97	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042586.D
Acq On : 29 May 2025 14:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Quant Time: May 30 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 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	0.521	0.507	2.7	98	0.00
50	T	4-Methyl-2-Pentanone	0.989	0.927	6.3	95	0.00
51	T	2-Hexanone	0.784	0.757	3.4	95	0.00
52	T	Tetrachloroethene	0.368	0.328	10.9	97	0.00
53	T	Toluene	1.138	1.062	6.7	98	0.00
54	T	1,2-Dibromoethane	0.558	0.522	6.5	99	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
56		1,1,1,2-Tetrachloroethane	0.503	0.463	8.0	96	0.00
57	T	Chlorobenzene	0.971	0.879	9.5	98	0.00
58	T	Ethyl Benzene	1.696	1.567	7.6	98	0.00
59	T	m/p-Xylene	1.335	1.227	8.1	98	0.02
60	T	o-Xylene	1.331	1.207	9.3	98	0.00
61	T	Styrene	0.629	0.591	6.0	97	0.00
62		Isopropylbenzene	1.967	1.780	9.5	97	0.00
63	T	1,1,2,2-Tetrachloroethane	0.847	0.741	12.5	99	0.00
64		n-propylbenzene	0.527	0.477	9.5	98	0.00
65		tert-Butylbenzene	1.785	1.563	12.4	96	0.00
66	T	Benzyl Chloride	0.230	0.217	5.7	87	0.00
67		sec-Butylbenzene	2.509	2.204	12.2	97	0.00
68	S	1-Bromo-4-Fluorobenzene	0.750	0.739	1.5	96	0.00
69		p-Isopropyltoluene	2.101	1.859	11.5	96	0.00
70		n-Butylbenzene	2.074	1.867	10.0	98	0.00
71		2-Chlorotoluene	1.500	1.368	8.8	98	0.00
72	T	4-Ethyltoluene	1.660	1.496	9.9	98	0.00
73	T	1,3,5-Trimethylbenzene	1.374	1.254	8.7	98	0.00
74	T	1,2,4-Trimethylbenzene	1.524	1.348	11.5	97	0.00
75	T	1,3-Dichlorobenzene	0.957	0.851	11.1	98	0.00
76	T	1,4-Dichlorobenzene	0.955	0.863	9.6	98	0.00
77	T	1,2-Dichlorobenzene	0.929	0.813	12.5	98	0.00
78	T	Hexachloro-1,3-Butadiene	0.769	0.613	20.3	98	0.00
79	T	Naphthalene	1.437	1.389	3.3	97	0.00
80	T	Naphthalene,2-methyl-	0.649	0.705	-8.6	95	0.00
81	T	1,2,4-Trichlorobenzene	0.802	0.720	10.2	95	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\VL052925\
Data File : VL042586.D
Acq On : 29 May 2025 14:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Quant Time: May 30 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 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	100	0.00
2	T	Dichlorodifluoromethane	10.000	9.156	8.4	99	0.00
3		Chlorodifluoromethane	10.000	8.658	13.4	99	0.00
4		Chloromethane	10.000	9.220	7.8	97	0.00
5	T	Vinyl Chloride	10.000	8.650	13.5	98	0.00
6	T	Bromomethane	10.000	8.455	15.4	94	0.00
7		Chloroethane	10.000	8.541	14.6	94	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.325	6.8	100	0.00
9	T	Propene	10.000	8.688	13.1	91	0.00
10	T	Heptane	10.000	9.102	9.0	98	0.00
11	T	Trichlorofluoromethane	10.000	9.484	5.2	101	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.839	1.6	105	0.00
13		Ethanol	10.000	6.387	36.1#	89	0.00
14	T	Bromoethene	10.000	9.215	7.9	98	0.00
15	T	Acetone	10.000	7.596	24.0	98	0.00
16	T	1,3-Butadiene	10.000	8.807	11.9	102	0.00
17		tert-Butyl alcohol	10.000	9.611	3.9	97	0.00
18	T	1,1-Dichloroethene	10.000	9.423	5.8	104	0.00
19	T	Isopropyl Alcohol	10.000	8.899	11.0	97	0.00
20	T	Methylene Chloride	10.000	8.444	15.6	102	0.00
21	T	Allyl Chloride	10.000	9.297	7.0	100	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.742	2.6	106	0.00
23	T	Vinyl Acetate	10.000	10.103	-1.0	112	0.00
24	T	1,1-Dichloroethane	10.000	9.408	5.9	99	0.00
25	T	Ethyl Acetate	10.000	9.171	8.3	99	0.00
26	T	Hexane	10.000	8.889	11.1	98	0.00
27	T	Carbon Disulfide	10.000	9.743	2.6	104	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.302	7.0	102	0.00
29	T	Chloroform	10.000	9.057	9.4	100	0.00
30	T	Cyclohexane	10.000	9.198	8.0	99	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.307	6.9	100	0.00
32	T	1,1,1-Trichloroethane	10.000	9.077	9.2	100	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	98	0.00
34	T	2-Butanone	10.000	9.233	7.7	98	0.00
35	T	Carbon Tetrachloride	10.000	9.374	6.3	100	0.00
36	T	Benzene	10.000	9.253	7.5	99	0.00
37	T	1,2-Dichloroethane	10.000	9.555	4.5	102	0.00
38	T	Trichloroethene	10.000	9.133	8.7	99	0.00
39	T	1,2-Dichloropropane	10.000	8.988	10.1	97	0.00
40	T	1,4-Dioxane	10.000	9.306	6.9	98	0.00
41	T	Tetrahydrofuran	10.000	9.309	6.9	98	0.00
42	T	Bromodichloromethane	10.000	9.676	3.2	100	0.00
43		Methyl Methacrylate	10.000	9.421	5.8	96	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.093	9.1	98	0.00
45	T	t-1,3-Dichloropropene	10.000	9.538	4.6	96	0.00
46	T	cis-1,3-Dichloropropene	10.000	9.505	4.9	97	0.00
47	T	1,1,2-Trichloroethane	10.000	9.088	9.1	98	0.00
48	T	Dibromochloromethane	10.000	9.391	6.1	97	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042586.D
Acq On : 29 May 2025 14:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL052925

Quant Time: May 30 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 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	9.742	2.6	98	0.00
50	T	4-Methyl-2-Pentanone	10.000	9.369	6.3	95	0.00
51	T	2-Hexanone	10.000	9.655	3.5	95	0.00
52	T	Tetrachloroethene	10.000	8.925	10.7	97	0.00
53	T	Toluene	10.000	9.329	6.7	98	0.00
54	T	1,2-Dibromoethane	10.000	9.364	6.4	99	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	97	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.199	8.0	96	0.00
57	T	Chlorobenzene	10.000	9.054	9.5	98	0.00
58	T	Ethyl Benzene	10.000	9.237	7.6	98	0.00
59	T	m/p-Xylene	20.000	18.377	8.1	98	0.02
60	T	o-Xylene	10.000	9.069	9.3	98	0.00
61	T	Styrene	10.000	9.396	6.0	97	0.00
62		Isopropylbenzene	10.000	9.051	9.5	97	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	8.749	12.5	99	0.00
64		n-propylbenzene	10.000	9.054	9.5	98	0.00
65		tert-Butylbenzene	10.000	8.758	12.4	96	0.00
66	T	Benzyl Chloride	10.000	9.435	5.6	87	0.00
67		sec-Butylbenzene	10.000	8.781	12.2	97	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	9.852	1.5	96	0.00
69		p-Isopropyltoluene	10.000	8.844	11.6	96	0.00
70		n-Butylbenzene	10.000	8.998	10.0	98	0.00
71		2-Chlorotoluene	10.000	9.119	8.8	98	0.00
72	T	4-Ethyltoluene	10.000	9.012	9.9	98	0.00
73	T	1,3,5-Trimethylbenzene	10.000	9.131	8.7	98	0.00
74	T	1,2,4-Trimethylbenzene	10.000	8.842	11.6	97	0.00
75	T	1,3-Dichlorobenzene	10.000	8.886	11.1	98	0.00
76	T	1,4-Dichlorobenzene	10.000	9.034	9.7	98	0.00
77	T	1,2-Dichlorobenzene	10.000	8.754	12.5	98	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	7.977	20.2	98	0.00
79	T	Naphthalene	10.000	9.666	3.3	97	0.00
80	T	Naphthalene,2-methyl-	10.000	10.853	-8.5	95	0.00
81	T	1,2,4-Trichlorobenzene	10.000	8.978	10.2	95	0.00

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042588.D
Acq On : 29 May 2025 16:50
Operator : SY/MD
Sample : VL0529ABL02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABL02

Quant Time: May 30 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

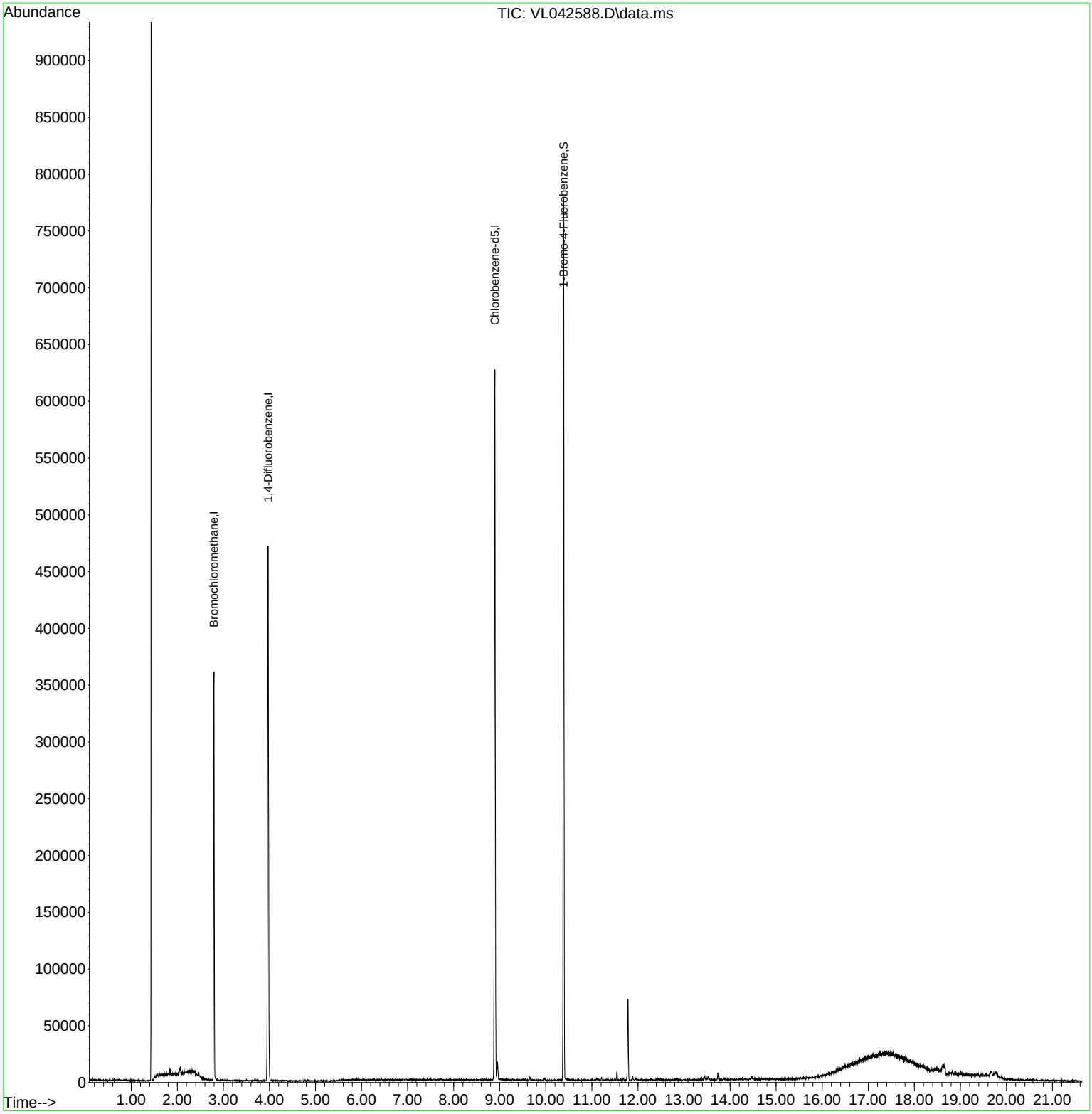
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	102651	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	295997	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	264969	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	199114	10.025	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.200%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042588.D
Acq On : 29 May 2025 16:50
Operator : SY/MD
Sample : VL0529ABL02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABL02

Quant Time: May 30 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042591.D
Acq On : 29 May 2025 18:27
Operator : SY/MD
Sample : VL0529ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 02:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	106381	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	304509	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	271830	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	207449	10.181	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	119309	9.125	ppbv	96
3) Chlorodifluoromethane	1.479	51	153681	8.535	ppbv	100
4) Chloromethane	1.538	50	46128	8.909	ppbv	100
5) Vinyl Chloride	1.583	62	43153	8.182	ppbv	99
6) Bromomethane	1.670	94	21392	8.333	ppbv	96
7) Chloroethane	1.709	64	17848	8.709	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	96521	8.860	ppbv	98
9) Propene	1.486	41	62215	8.579	ppbv	99
10) Heptane	4.991	43	178704	8.743	ppbv	100
11) Trichlorofluoromethane	1.881	101	118918	9.775	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	92153	9.647	ppbv	97
13) Ethanol	1.725	45	4884	5.651	ppbv	97
14) Bromoethene	1.787	108	32689	9.098	ppbv	98
15) Acetone	1.839	43	96944	7.565	ppbv	97
16) 1,3-Butadiene	1.612	39	51200	8.435	ppbv	96
17) tert-Butyl alcohol	2.046	59	124231	9.306	ppbv	99
18) 1,1-Dichloroethene	2.039	96	41243	9.315	ppbv	97
19) Isopropyl Alcohol	1.890	45	66825	8.724	ppbv	99
20) Methylene Chloride	2.065	84	34577	8.177	ppbv	97
21) Allyl Chloride	2.101	41	83677	9.255	ppbv	99
22) trans-1,2-Dichloroethene	2.347	96	46918	9.487	ppbv	96
23) Vinyl Acetate	2.470	43	176545	10.192	ppbv	98
24) 1,1-Dichloroethane	2.415	63	93494	9.188	ppbv	99
25) Ethyl Acetate	2.842	43	309151	8.816	ppbv	99
26) Hexane	2.836	57	136644	8.576	ppbv	99
27) Carbon Disulfide	2.156	76	115247	9.421	ppbv #	92
28) Methyl tert-Butyl Ether	2.447	73	59350	9.179	ppbv	97
29) Chloroform	2.855	83	186648	9.008	ppbv	98
30) Cyclohexane	3.868	84	117225	8.874	ppbv	96
31) cis-1,2-Dichloroethene	2.729	61	130230	8.935	ppbv	97
32) 1,1,1-Trichloroethane	3.379	97	185446	8.760	ppbv	99
34) 2-Butanone	2.564	43	201605	9.284	ppbv	99
35) Carbon Tetrachloride	3.774	117	185074	9.207	ppbv	99
36) Benzene	3.667	78	272433	9.085	ppbv	99
37) 1,2-Dichloroethane	3.227	62	142338	9.551	ppbv	99
38) Trichloroethene	4.564	130	114177	8.958	ppbv	97
39) 1,2-Dichloropropane	4.324	63	99778	8.998	ppbv	96
40) 1,4-Dioxane	4.600	88	44586	8.985	ppbv #	89
41) Tetrahydrofuran	3.062	42	114785	9.030	ppbv	97
42) Bromodichloromethane	4.502	83	203990	9.637	ppbv	96
43) Methyl Methacrylate	4.894	69	108252	9.301	ppbv	99
44) 2,2,4-Trimethylpentane	4.655	57	469200	9.148	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	124105	9.319	ppbv	96

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042591.D
Acq On : 29 May 2025 18:27
Operator : SY/MD
Sample : VL0529ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 02:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	154951	9.285	ppbv		97
47) 1,1,2-Trichloroethane	6.600	97	104561	9.109	ppbv		92
48) Dibromochloromethane	7.399	129	172109	9.366	ppbv		100
49) Bromoform	9.497	173	146803	9.258	ppbv		99
50) 4-Methyl-2-Pentanone	5.765	43	273778	9.089	ppbv		100
51) 2-Hexanone	7.451	43	223716	9.365	ppbv	#	98
52) Tetrachloroethene	8.238	164	96938	8.651	ppbv		96
53) Toluene	6.949	91	313414	9.043	ppbv		100
54) 1,2-Dibromoethane	7.665	107	154274	9.080	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.937	131	126022	9.220	ppbv		97
57) Chlorobenzene	8.933	112	238351	9.030	ppbv		98
58) Ethyl Benzene	9.367	91	429601	9.317	ppbv		95
59) m/p-Xylene	9.561	91	671824m	18.515	ppbv		
60) o-Xylene	9.976	91	335550	9.272	ppbv		98
61) Styrene	9.882	104	160164	9.360	ppbv		99
62) Isopropylbenzene	10.548	105	494692	9.253	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.976	83	206035	8.953	ppbv		99
64) n-propylbenzene	10.998	120	130645	9.116	ppbv		99
65) tert-Butylbenzene	11.539	119	429459	8.852	ppbv		98
66) Benzyl Chloride	11.623	91	55881	8.948	ppbv		99
67) sec-Butylbenzene	11.775	105	610578	8.951	ppbv		99
69) p-Isopropyltoluene	11.934	119	517737	9.064	ppbv		100
70) n-Butylbenzene	12.290	91	517212	9.173	ppbv		98
71) 2-Chlorotoluene	10.911	91	373380	9.156	ppbv		99
72) 4-Ethyltoluene	11.134	105	409747	9.081	ppbv		99
73) 1,3,5-Trimethylbenzene	11.212	105	340820	9.127	ppbv		100
74) 1,2,4-Trimethylbenzene	11.545	105	371004	8.953	ppbv		93
75) 1,3-Dichlorobenzene	11.617	146	237761	9.136	ppbv		98
76) 1,4-Dichlorobenzene	11.681	146	233300	8.989	ppbv		100
77) 1,2-Dichlorobenzene	11.956	146	224628	8.894	ppbv		99
78) Hexachloro-1,3-Butadiene	13.889	225	167082	7.995	ppbv		99
79) Naphthalene	13.520	128	374244	9.581	ppbv		99
80) Naphthalene,2-methyl-	14.465	142	187133	10.604	ppbv		98
81) 1,2,4-Trichlorobenzene	13.448	180	199137	9.132	ppbv		98

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

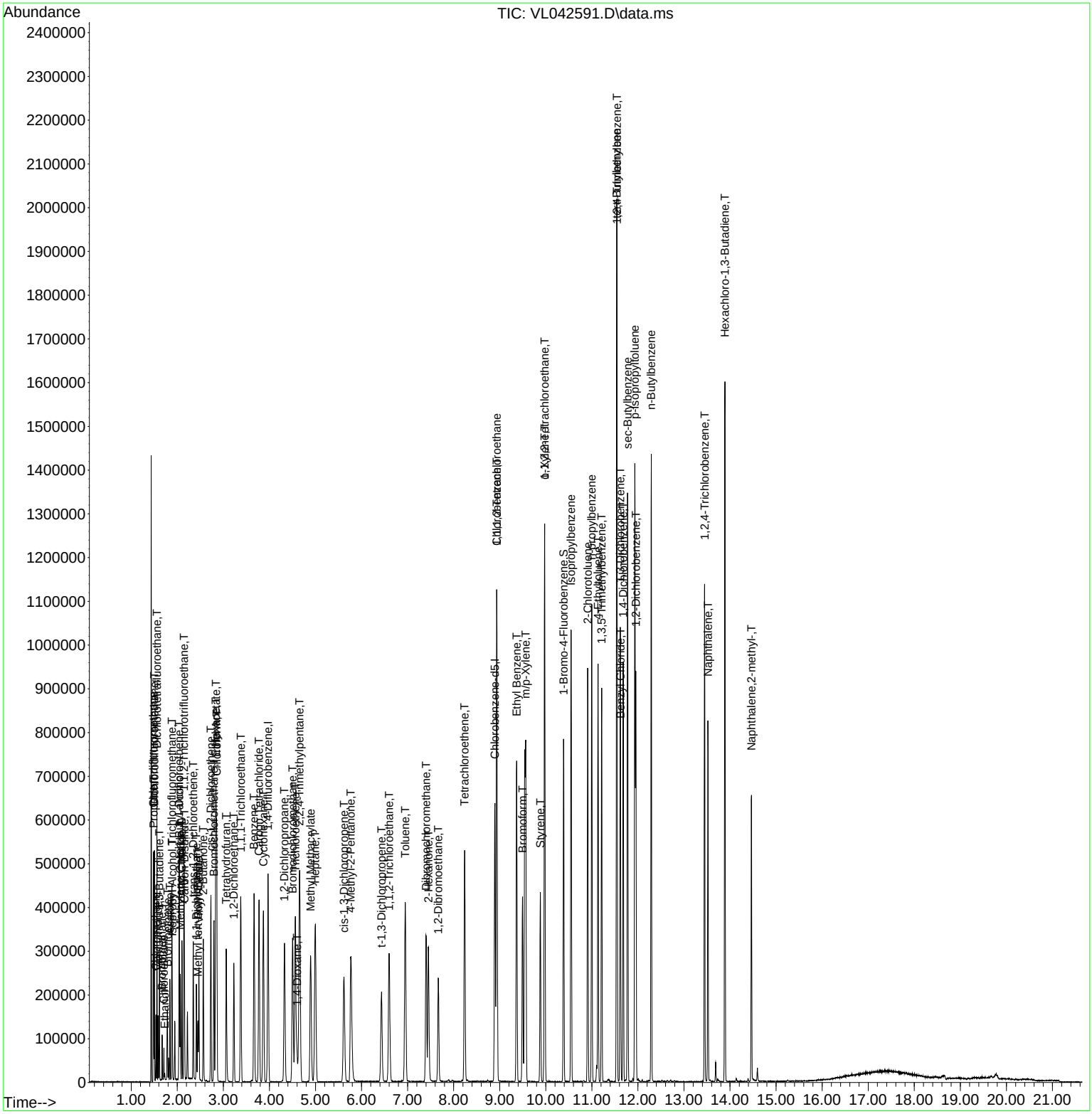
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042591.D
Acq On : 29 May 2025 18:27
Operator : SY/MD
Sample : VL0529ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 02:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042598.D
Acq On : 29 May 2025 22:18
Operator : SY/MD
Sample : QC052725 CAN 10609
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC052725 CAN 10609

Quant Time: May 30 02:15:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

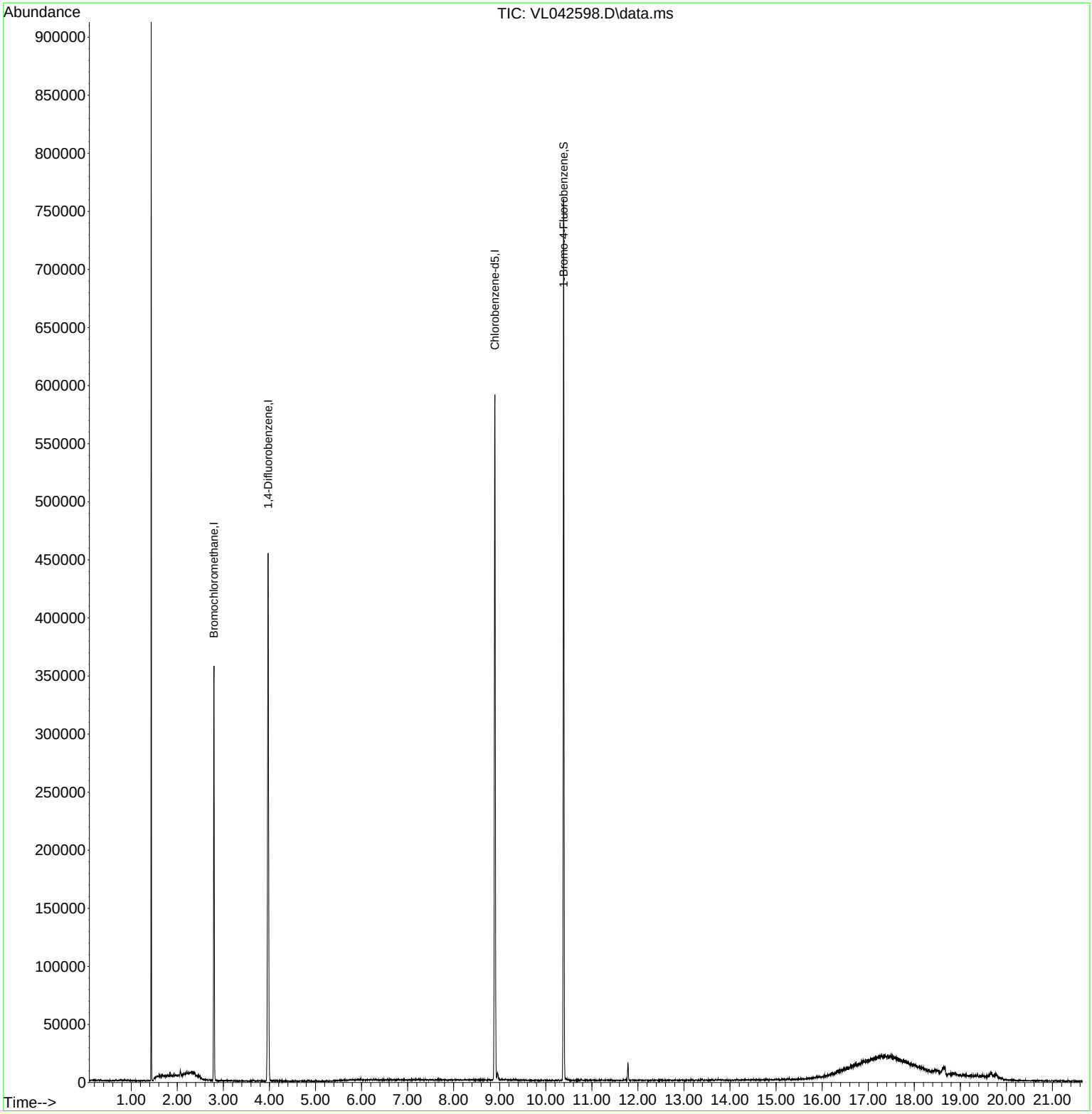
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	101427	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	282373	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	253475	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	192879	10.151	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.500%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042598.D
Acq On : 29 May 2025 22:18
Operator : SY/MD
Sample : QC052725 CAN 10609
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC052725 CAN 10609

Quant Time: May 30 02:15:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration



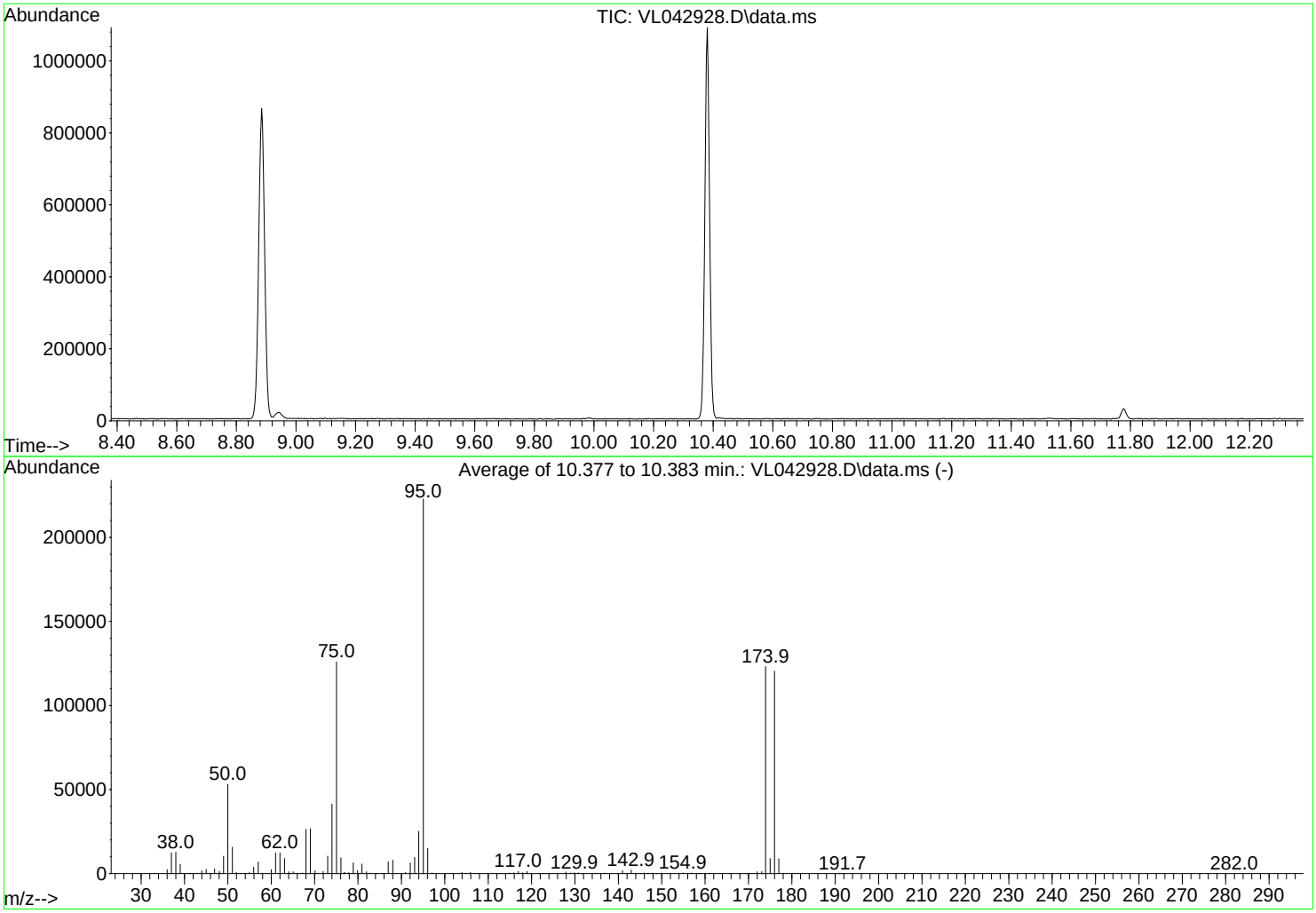
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042928.D
Acq On : 17 Sep 2025 07:51
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\VL091725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Sep 18 02:57:46 2025



AutoFind: Scans 3179, 3180, 3181; 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	23.9	53203	PASS
75	95	30	66	56.5	125915	PASS
95	95	100	100	100.0	222805	PASS
96	95	5	9	6.7	14943	PASS
173	174	0.00	2	1.0	1195	PASS
174	95	50	120	55.3	123173	PASS
175	174	4	9	7.3	8935	PASS
176	174	93	101	97.8	120472	PASS
177	176	5	9	7.4	8875	PASS

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL091725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Sep 18 02:57:46 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042934.D 0.1 =VL042933.D 0.5 =VL042932.D 1 =VL042931.D 2 =VL042930.D 10 =VL042935.D 15 =VL042936.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.465	1.446	1.419	1.445	1.366	1.428	2.68
3)		Chlorodifluoro...			1.556	1.534	1.491	1.484	1.454	1.504	2.71
4)		Chloromethane			0.588	0.622	0.536	0.574	0.550	0.574	5.88
5)	T	Vinyl Chloride	0.669	0.586	0.545	0.504	0.497	0.500	0.491	0.542	12.13
6)	T	Bromomethane			0.217	0.175	0.178	0.190	0.181	0.188	8.96
7)		Chloroethane			0.192	0.213	0.190	0.201	0.201	0.199	4.63
8)	T	Dichlorotetraf...			1.154	1.166	1.103	1.143	1.100	1.133	2.65
9)	T	Propene			0.515	0.564	0.548	0.538	0.581	0.549	4.59
10)	T	Heptane			1.004	1.233	1.352	1.616	1.599	1.361	18.93
11)	T	Trichlorofluor...			1.400	1.490	1.370	1.429	1.366	1.411	3.63
12)	T	1,1,2-Trichlor...			1.135	1.135	1.064	1.113	1.064	1.102	3.26
13)		Ethanol			0.070	0.059	0.056	0.048	0.048	0.056	16.18
14)	T	Bromoethene			0.407	0.414	0.366	0.391	0.386	0.393	4.73
15)	T	Acetone			1.420	1.359	1.246	1.072	1.045	1.228	13.65
16)	T	1,3-Butadiene			0.579	0.529	0.472	0.494	0.494	0.514	8.13
17)		tert-Butyl alc...			1.224	1.255	1.114	1.170	1.151	1.183	4.78
18)	T	1,1-Dichloroet...			0.474	0.489	0.482	0.488	0.479	0.483	1.33
19)	T	Isopropyl Alcohol			0.721	0.680	0.617	0.644	0.631	0.659	6.40
20)	T	Methylene Chlo...			0.716	0.611	0.510	0.421	0.415	0.535	24.11
21)	T	Allyl Chloride			0.883	0.815	0.814	0.826	0.824	0.833	3.47
22)	T	trans-1,2-Dich...			0.550	0.575	0.528	0.549	0.533	0.547	3.34
23)	T	Vinyl Acetate			1.374	1.284	1.357	1.484	1.638	1.427	9.65
24)	T	1,1-Dichloroet...			1.105	1.080	1.050	1.099	1.067	1.080	2.08
25)	T	Ethyl Acetate			2.360	2.502	2.630	2.836	2.786	2.623	7.52
26)	T	Hexane			0.939	1.026	1.145	1.242	1.276	1.126	12.66
27)	T	Carbon Disulfide			1.436	1.458	1.317	1.375	1.355	1.388	4.18
28)	T	Methyl tert-Bu...			0.643	0.624	0.574	0.617	0.634	0.619	4.31
29)	T	Chloroform			1.803	1.891	1.823	1.865	1.817	1.840	1.99
30)	T	Cyclohexane			0.625	0.735	0.815	1.011	1.054	0.848	21.47
31)	T	cis-1,2-Dichlo...			0.968	1.086	1.102	1.149	1.190	1.099	7.64
32)	T	1,1,1-Trichlor...	2.127	1.510	1.666	1.661	1.662	1.709	1.715	1.721	11.12
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.596	0.627	0.659	0.674	0.685	0.648	5.65
35)	T	Carbon Tetrach...	0.887	0.719	0.690	0.681	0.641	0.691	0.666	0.711	11.42
36)	T	Benzene			0.816	0.829	0.839	0.924	0.954	0.872	7.16
37)	T	1,2-Dichloroet...			0.529	0.519	0.512	0.527	0.524	0.522	1.34
38)	T	Trichloroethene	0.503	0.376	0.373	0.353	0.354	0.402	0.403	0.395	13.08
39)	T	1,2-Dichloropr...			0.358	0.351	0.338	0.357	0.357	0.353	2.37

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL091725AIR.M

40)	T	1,4-Dioxane			0.099	0.122	0.113	0.147	0.144	0.125	16.30
41)	T	Tetrahydrofuran			0.290	0.266	0.298	0.363	0.387	0.321	16.10
42)	T	Bromodichlorom...			0.783	0.742	0.714	0.762	0.746	0.750	3.40
43)		Methyl Methacr...			0.227	0.248	0.276	0.345	0.364	0.292	20.57
44)	T	2,2,4-Trimethy...			1.170	1.300	1.471	1.687	1.646	1.455	15.20
45)	T	t-1,3-Dichloro...			0.251	0.274	0.283	0.352	0.380	0.308	17.89
46)	T	cis-1,3-Dichlo...			0.366	0.385	0.390	0.474	0.508	0.425	14.72
47)	T	1,1,2-Trichlor...			0.352	0.353	0.352	0.376	0.365	0.359	2.94
48)	T	Dibromochlorom...			0.548	0.562	0.536	0.588	0.580	0.563	3.84
49)	T	Bromoform			0.429	0.411	0.425	0.472	0.460	0.439	5.87
50)	T	4-Methyl-2-Pen...			0.595	0.664	0.728	0.933	0.955	0.775	20.83
51)	T	2-Hexanone			0.423	0.450	0.510	0.740	0.755	0.576	27.84
52)	T	Tetrachloroethene	0.327	0.224	0.256	0.254	0.263	0.279	0.281	0.269	11.80
53)	T	Toluene			0.598	0.670	0.758	1.001	1.040	0.813	24.32
54)	T	1,2-Dibromoethane		0.433	0.436	0.448	0.444	0.508	0.505	0.462	7.47
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.517	0.512	0.493	0.527	0.498	0.509	2.78
57)	T	Chlorobenzene			0.949	0.886	0.898	0.970	0.919	0.924	3.79
58)	T	Ethyl Benzene			0.942	1.017	1.196	1.650	1.637	1.288	26.17
59)	T	m/p-Xylene			0.738	0.884	1.104	1.392	1.325	1.089	25.72
60)	T	o-Xylene			0.726	0.844	1.096	1.402	1.343	1.082	27.48
61)	T	Styrene			0.245	0.299	0.340	0.556	0.573	0.403	37.70
62)		Isopropylbenzene			1.142	1.307	1.541	2.003	1.891	1.577	23.38
63)	T	1,1,2,2-Tetrac...	0.970	0.748	0.730	0.723	0.747	0.803	0.752	0.782	11.13
64)		n-propylbenzene			0.277	0.343	0.413	0.517	0.494	0.409	24.68
65)		tert-Butylbenzene			0.818	1.112	1.398	1.753	1.656	1.347	28.70
66)	T	Benzyl Chloride			0.091	0.109	0.117	0.150	0.159	0.125	22.74
67)		sec-Butylbenzene			1.399	1.798	2.090	2.561	2.401	2.050	22.80
68)	S	1-Bromo-4-Fluo...	0.743	0.753	0.778	0.782	0.781	0.837	0.797	0.782	3.93
69)		p-Isopropyltol...			0.986	1.282	1.606	2.067	1.958	1.580	28.70
70)		n-Butylbenzene			0.982	1.300	1.709	2.228	2.085	1.661	31.50
71)		2-Chlorotoluene			0.834	0.945	1.116	1.503	1.451	1.170	25.50
72)	T	4-Ethyltoluene			0.779	0.977	1.252	1.691	1.633	1.267	31.48
73)	T	1,3,5-Trimethy...			0.670	0.868	1.076	1.398	1.343	1.071	28.88
74)	T	1,2,4-Trimethy...			0.781	1.074	1.337	1.603	1.498	1.258	26.47
75)	T	1,3-Dichlorobe...			0.703	0.714	0.802	0.904	0.867	0.798	11.20
76)	T	1,4-Dichlorobe...			0.629	0.674	0.762	0.913	0.860	0.768	15.65
77)	T	1,2-Dichlorobe...			0.689	0.786	0.813	0.897	0.839	0.805	9.52
78)	T	Hexachloro-1,3...			0.533	0.496	0.513	0.524	0.504	0.514	2.95
79)	T	Naphthalene		0.394	0.438	0.609	0.972	1.344	1.338	0.849	50.88
80)	T	Naphthalene,2-...			0.172	0.156	0.223	0.376	0.449	0.275	47.42
81)	T	1,2,4-Trichlor...			0.267	0.366	0.485	0.635	0.645	0.479	34.52

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042930.D
Acq On : 17 Sep 2025 10:48
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:27:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	164907	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.958	114	435071	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	369327	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	288273	9.986	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	46802	1.987	ppbv		95
3) Chlorodifluoromethane	1.476	51	49186	1.983	ppbv		100
4) Chloromethane	1.534	50	17675	1.867	ppbv		99
5) Vinyl Chloride	1.580	62	16393	1.836	ppbv	#	86
6) Bromomethane	1.670	94	5883	1.896	ppbv		92
7) Chloroethane	1.706	64	6270	1.906	ppbv		96
8) Dichlorotetrafluoroethane	1.554	85	36390	1.947	ppbv		98
9) Propene	1.482	41	18062	1.994	ppbv		99
10) Heptane	4.981	43	44603	1.988	ppbv		99
11) Trichlorofluoromethane	1.877	101	45172	1.941	ppbv		96
12) 1,1,2-Trichlorotrifluo...	2.140	101	35102	1.931	ppbv		99
13) Ethanol	1.722	45	1853	2.007	ppbv		86
14) Bromoethene	1.780	108	12079	1.865	ppbv		99
15) Acetone	1.835	43	41083	2.028	ppbv		94
16) 1,3-Butadiene	1.609	39	15580	1.839	ppbv		97
17) tert-Butyl alcohol	2.042	59	36744	1.884	ppbv		98
18) 1,1-Dichloroethene	2.036	96	15909	1.999	ppbv		96
19) Isopropyl Alcohol	1.887	45	20335	1.873	ppbv	#	1
20) Methylene Chloride	2.062	84	16824	1.908	ppbv		97
21) Allyl Chloride	2.097	41	26855	1.956	ppbv		98
22) trans-1,2-Dichloroethene	2.340	96	17418	1.931	ppbv		96
23) Vinyl Acetate	2.463	43	44744	1.901	ppbv		99
24) 1,1-Dichloroethane	2.408	63	34643	1.944	ppbv		97
25) Ethyl Acetate	2.835	43	86728	2.005	ppbv		99
26) Hexane	2.829	57	37751	2.034	ppbv		97
27) Carbon Disulfide	2.152	76	43441	1.897	ppbv	#	71
28) Methyl tert-Butyl Ether	2.441	73	18935	1.856	ppbv		97
29) Chloroform	2.848	83	60110	1.981	ppbv		96
30) Cyclohexane	3.855	84	26874m	1.922	ppbv		
31) cis-1,2-Dichloroethene	2.722	61	36341	2.005	ppbv		99
32) 1,1,1-Trichloroethane	3.369	97	54810	1.931	ppbv		100
34) 2-Butanone	2.560	43	57314	2.032	ppbv		100
35) Carbon Tetrachloride	3.764	117	55818	1.805	ppbv		99
36) Benzene	3.658	78	73010	1.924	ppbv		95
37) 1,2-Dichloroethane	3.221	62	44529	1.959	ppbv		100
38) Trichloroethene	4.548	130	30836	1.795	ppbv		98
39) 1,2-Dichloropropane	4.311	63	29453m	1.921	ppbv		
40) 1,4-Dioxane	4.599	88	9832m	1.807	ppbv		
41) Tetrahydrofuran	3.059	42	25945	1.871	ppbv		99
42) Bromodichloromethane	4.493	83	62170	1.906	ppbv		94
43) Methyl Methacrylate	4.884	69	23990m	1.885	ppbv		
44) 2,2,4-Trimethylpentane	4.645	57	127979	2.022	ppbv		99
45) t-1,3-Dichloropropene	6.415	75	24591	1.836	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042930.D
Acq On : 17 Sep 2025 10:48
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:27:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	33947	1.838	ppbv		96
47) 1,1,2-Trichloroethane	6.580	97	30589m	1.956	ppbv		
48) Dibromochloromethane	7.389	129	46665	1.905	ppbv		98
49) Bromoform	9.483	173	36951	1.933	ppbv		99
50) 4-Methyl-2-Pentanone	5.761	43	63384	1.886	ppbv		99
51) 2-Hexanone	7.441	43	44357	1.793	ppbv	#	95
52) Tetrachloroethene	8.228	164	22859m	1.937	ppbv		
53) Toluene	6.939	91	65999m	1.866	ppbv		
54) 1,2-Dibromoethane	7.655	107	38670	1.923	ppbv		94
56) 1,1,1,2-Tetrachloroethane	8.927	131	36390	1.934	ppbv		95
57) Chlorobenzene	8.924	112	66303	1.942	ppbv		98
58) Ethyl Benzene	9.357	91	88328	1.856	ppbv		99
59) m/p-Xylene	9.551	91	163157m	4.057	ppbv		
60) o-Xylene	9.966	91	80966	2.025	ppbv		99
61) Styrene	9.875	104	25108	1.690	ppbv		98
62) Isopropylbenzene	10.542	105	113843	1.955	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.962	83	55150	1.910	ppbv		97
64) n-propylbenzene	10.992	120	30484	2.019	ppbv		97
65) tert-Butylbenzene	11.532	119	103228	2.074	ppbv		99
66) Benzyl Chloride	11.616	91	8657	1.872	ppbv		98
67) sec-Butylbenzene	11.769	105	154393	2.039	ppbv		99
69) p-Isopropyltoluene	11.927	119	118634	2.033	ppbv		98
70) n-Butylbenzene	12.283	91	126244	1.872	ppbv		98
71) 2-Chlorotoluene	10.904	91	82459	1.908	ppbv		100
72) 4-Ethyltoluene	11.128	105	92502	1.838	ppbv		98
73) 1,3,5-Trimethylbenzene	11.205	105	79446	2.009	ppbv		97
74) 1,2,4-Trimethylbenzene	11.539	105	98757	2.125	ppbv	#	84
75) 1,3-Dichlorobenzene	11.607	146	59236	2.010	ppbv		98
76) 1,4-Dichlorobenzene	11.671	146	56252	1.984	ppbv		98
77) 1,2-Dichlorobenzene	11.947	146	60057	2.020	ppbv		100
78) Hexachloro-1,3-Butadiene	13.882	225	37895	1.996	ppbv		98
79) Naphthalene	13.513	128	71767	1.785	ppbv		98
80) Naphthalene,2-methyl-	14.461	142	16473	1.745	ppbv		100
81) 1,2,4-Trichlorobenzene	13.442	180	35795	1.886	ppbv		96

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

Quantitation Report (QT Reviewed)

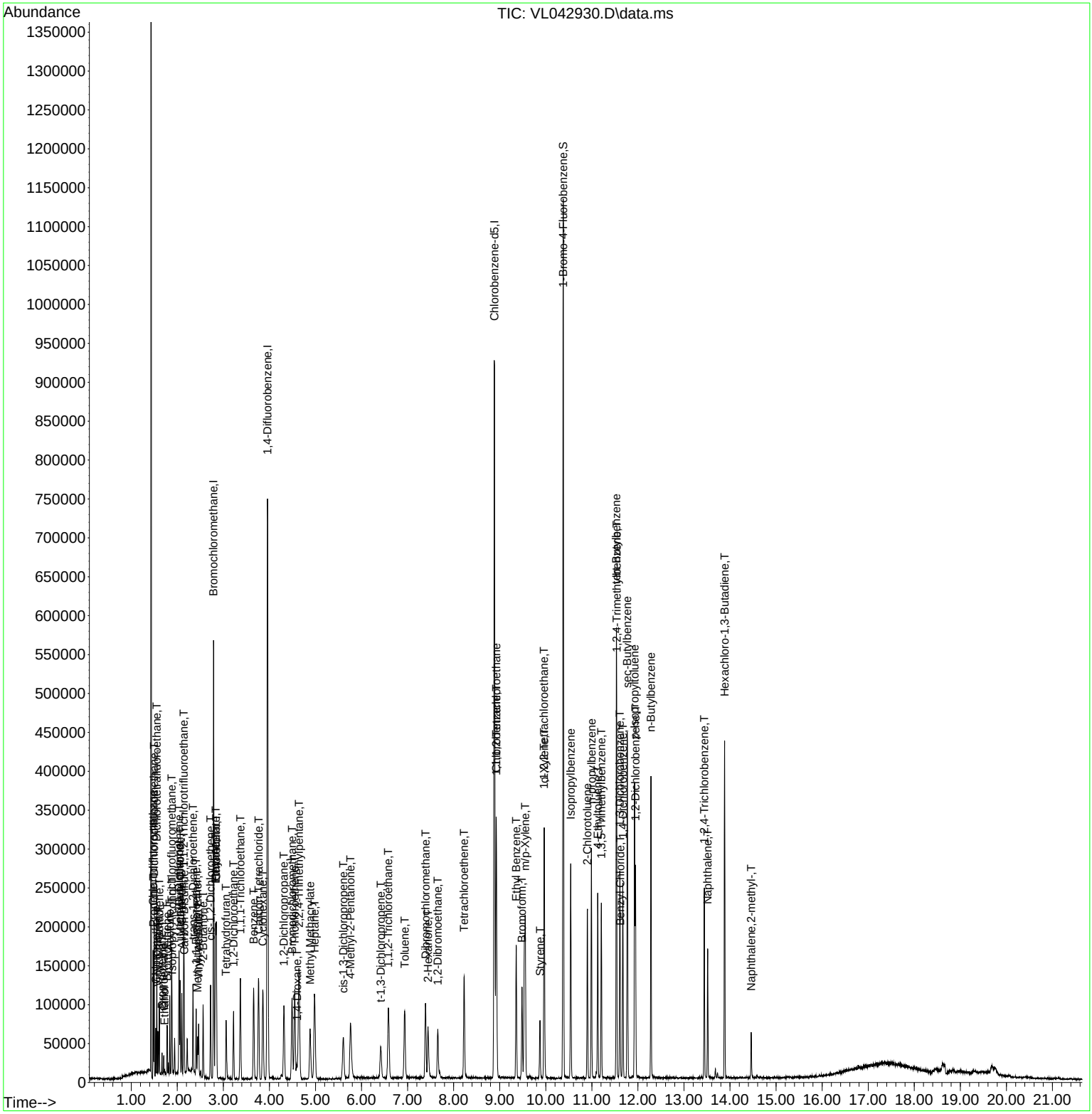
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042930.D
Acq On : 17 Sep 2025 10:48
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:27:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042931.D
Acq On : 17 Sep 2025 11:23
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	158272	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.958	114	413841	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	354619	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	277264	10.003	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	22884	1.012	ppbv		94
3) Chlorodifluoromethane	1.476	51	24279	1.020	ppbv		100
4) Chloromethane	1.534	50	9850	1.084	ppbv		98
5) Vinyl Chloride	1.583	62	7971	0.930	ppbv	#	83
6) Bromomethane	1.670	94	2772	0.931	ppbv	#	80
7) Chloroethane	1.706	64	3374	1.069	ppbv		93
8) Dichlorotetrafluoroethane	1.557	85	18455	1.029	ppbv		96
9) Propene	1.486	41	8924	1.027	ppbv		98
10) Heptane	4.981	43	19516m	0.906	ppbv		
11) Trichlorofluoromethane	1.877	101	23589	1.056	ppbv		90
12) 1,1,2-Trichlorotrifluo...	2.140	101	17971	1.030	ppbv		98
13) Ethanol	1.722	45	926	1.045	ppbv	#	50
14) Bromoethene	1.783	108	6547	1.053	ppbv	#	96
15) Acetone	1.839	43	21505	1.106	ppbv		95
16) 1,3-Butadiene	1.609	39	8380	1.031	ppbv		93
17) tert-Butyl alcohol	2.042	59	19857	1.061	ppbv		99
18) 1,1-Dichloroethene	2.036	96	7747	1.014	ppbv		95
19) Isopropyl Alcohol	1.887	45	10765	1.033	ppbv	#	1
20) Methylene Chloride	2.062	84	9665	1.142	ppbv		95
21) Allyl Chloride	2.097	41	12905	0.979	ppbv		98
22) trans-1,2-Dichloroethene	2.343	96	9099	1.051	ppbv		91
23) Vinyl Acetate	2.463	43	20319	0.900	ppbv	#	96
24) 1,1-Dichloroethane	2.411	63	17097	1.000	ppbv		98
25) Ethyl Acetate	2.835	43	39603	0.954	ppbv		98
26) Hexane	2.826	57	16236	0.911	ppbv		87
27) Carbon Disulfide	2.152	76	23073	1.050	ppbv	#	79
28) Methyl tert-Butyl Ether	2.444	73	9873	1.009	ppbv		91
29) Chloroform	2.848	83	29928	1.028	ppbv		93
30) Cyclohexane	3.861	84	11631m	0.867	ppbv		
31) cis-1,2-Dichloroethene	2.722	61	17192	0.988	ppbv		94
32) 1,1,1-Trichloroethane	3.366	97	26292	0.965	ppbv		99
34) 2-Butanone	2.557	43	25950	0.967	ppbv		99
35) Carbon Tetrachloride	3.761	117	28194	0.958	ppbv		91
36) Benzene	3.654	78	34301	0.950	ppbv		95
37) 1,2-Dichloroethane	3.217	62	21496	0.994	ppbv		100
38) Trichloroethene	4.551	130	14609	0.894	ppbv		98
39) 1,2-Dichloropropane	4.318	63	14533m	0.996	ppbv		
40) 1,4-Dioxane	4.599	88	5054m	0.977	ppbv		
41) Tetrahydrofuran	3.062	42	10997	0.834	ppbv		98
42) Bromodichloromethane	4.493	83	30707	0.990	ppbv		99
43) Methyl Methacrylate	4.887	69	10283m	0.849	ppbv		
44) 2,2,4-Trimethylpentane	4.638	57	53804	0.894	ppbv		92
45) t-1,3-Dichloropropene	6.415	75	11328m	0.889	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042931.D
Acq On : 17 Sep 2025 11:23
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	15914m	0.906	ppbv		
47) 1,1,2-Trichloroethane	6.587	97	14628m	0.983	ppbv		
48) Dibromochloromethane	7.386	129	23257	0.998	ppbv		98
49) Bromoform	9.487	173	16990	0.934	ppbv		98
50) 4-Methyl-2-Pentanone	5.765	43	27486m	0.860	ppbv		
51) 2-Hexanone	7.441	43	18604m	0.791	ppbv		
52) Tetrachloroethene	8.224	164	10494	0.935	ppbv		92
53) Toluene	6.933	91	27724m	0.824	ppbv		
54) 1,2-Dibromoethane	7.655	107	18521	0.968	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.927	131	18170	1.006	ppbv	#	1
57) Chlorobenzene	8.924	112	31407	0.958	ppbv		95
58) Ethyl Benzene	9.357	91	36048	0.789	ppbv		94
59) m/p-Xylene	9.551	91	62681m	1.623	ppbv		
60) o-Xylene	9.966	91	29945	0.780	ppbv		98
61) Styrene	9.872	104	10595	1.046	ppbv		97
62) Isopropylbenzene	10.542	105	46332	0.829	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	25646	0.925	ppbv		98
64) n-propylbenzene	10.992	120	12151	0.838	ppbv		97
65) tert-Butylbenzene	11.535	119	39439	0.825	ppbv		96
66) Benzyl Chloride	11.616	91	3848	0.867	ppbv		94
67) sec-Butylbenzene	11.769	105	63758	0.877	ppbv		98
69) p-Isopropyltoluene	11.927	119	45477	0.812	ppbv		97
70) n-Butylbenzene	12.283	91	46106	0.899	ppbv		95
71) 2-Chlorotoluene	10.901	91	33505	0.808	ppbv		99
72) 4-Ethyltoluene	11.124	105	34655	0.937	ppbv	#	97
73) 1,3,5-Trimethylbenzene	11.202	105	30778	0.810	ppbv		90
74) 1,2,4-Trimethylbenzene	11.535	105	38075	0.853	ppbv		96
75) 1,3-Dichlorobenzene	11.607	146	25315	0.895	ppbv		95
76) 1,4-Dichlorobenzene	11.675	146	23918	0.879	ppbv		97
77) 1,2-Dichlorobenzene	11.947	146	27862	0.976	ppbv		99
78) Hexachloro-1,3-Butadiene	13.882	225	17581	0.964	ppbv		98
79) Naphthalene	13.513	128	21593	0.809	ppbv		95
80) Naphthalene,2-methyl-	14.461	142	5523	1.103	ppbv		94
81) 1,2,4-Trichlorobenzene	13.442	180	12986	0.977	ppbv		96

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

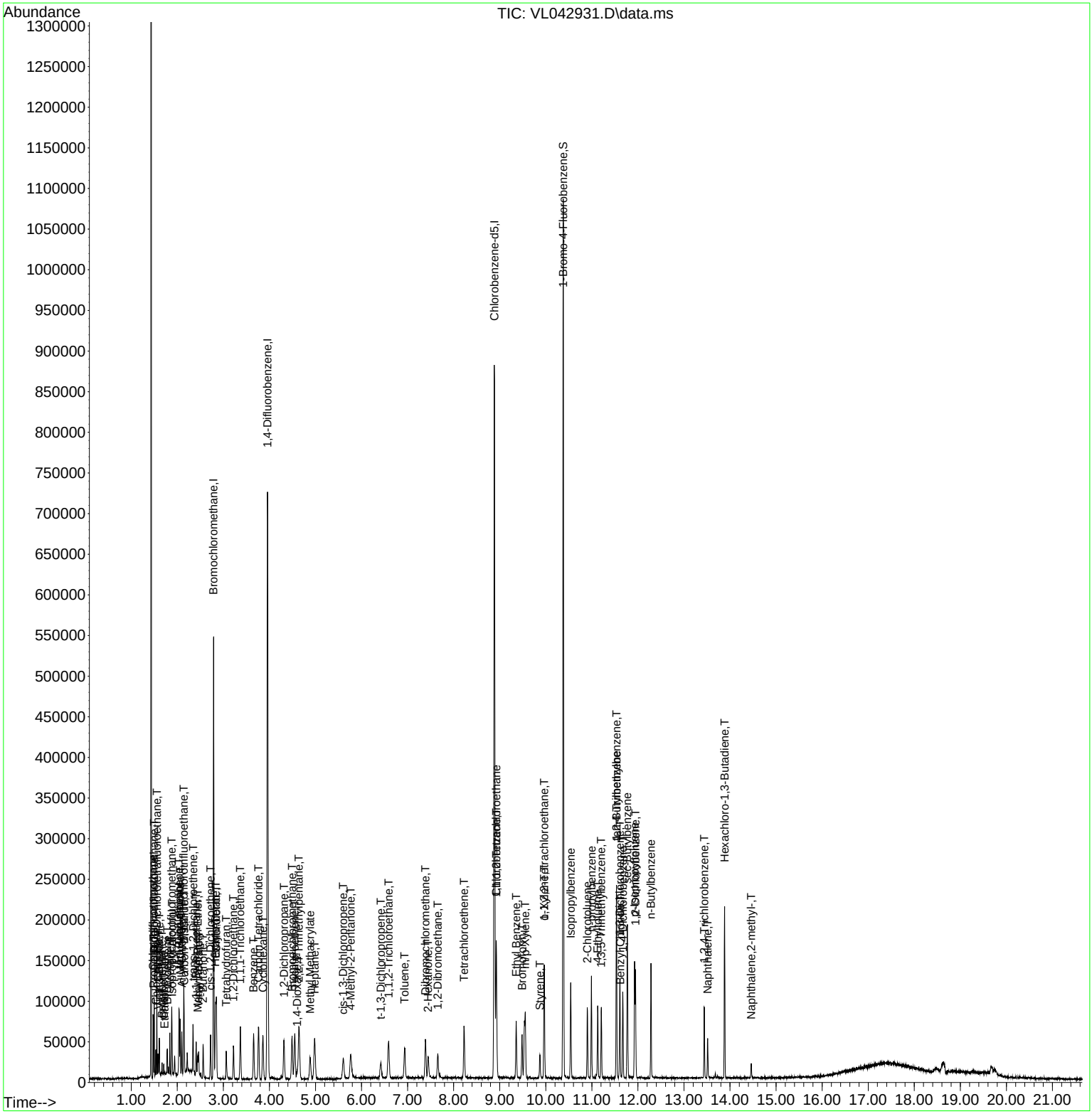
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042931.D
Acq On : 17 Sep 2025 11:23
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042932.D
Acq On : 17 Sep 2025 11:58
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:29:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	156392	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	401247	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	338744	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	263700	9.959	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11457	0.513	ppbv		99
3) Chlorodifluoromethane	1.476	51	12168	0.517	ppbv		100
4) Chloromethane	1.534	50	4596	0.512	ppbv	#	84
5) Vinyl Chloride	1.580	62	4260	0.503	ppbv		90
6) Bromomethane	1.667	94	1694	0.576	ppbv	#	79
7) Chloroethane	1.703	64	1499	0.481	ppbv		91
8) Dichlorotetrafluoroethane	1.554	85	9022	0.509	ppbv		91
9) Propene	1.483	41	4027	0.469	ppbv		90
10) Heptane	4.981	43	7851m	0.369	ppbv		
11) Trichlorofluoromethane	1.877	101	10951	0.496	ppbv		86
12) 1,1,2-Trichlorotrifluo...	2.140	101	8872	0.515	ppbv		100
13) Ethanol	1.722	45	545m	0.622	ppbv		
14) Bromoethene	1.780	108	3180	0.518	ppbv		97
15) Acetone	1.835	43	11107	0.578	ppbv		97
16) 1,3-Butadiene	1.609	39	4527	0.563	ppbv		98
17) tert-Butyl alcohol	2.042	59	9574	0.518	ppbv		100
18) 1,1-Dichloroethene	2.033	96	3704	0.491	ppbv		97
19) Isopropyl Alcohol	1.887	45	5637	0.547	ppbv	#	97
20) Methylene Chloride	2.062	84	5602	0.670	ppbv	#	89
21) Allyl Chloride	2.094	41	6908	0.531	ppbv		91
22) trans-1,2-Dichloroethene	2.340	96	4297	0.502	ppbv		89
23) Vinyl Acetate	2.463	43	10743	0.481	ppbv	#	94
24) 1,1-Dichloroethane	2.408	63	8640	0.511	ppbv		98
25) Ethyl Acetate	2.839	43	18457	0.450	ppbv		97
26) Hexane	2.826	57	7346	0.417	ppbv	#	83
27) Carbon Disulfide	2.149	76	11231	0.517	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	5027	0.520	ppbv		96
29) Chloroform	2.845	83	14102	0.490	ppbv		94
30) Cyclohexane	3.852	84	4888m	0.369	ppbv		
31) cis-1,2-Dichloroethene	2.719	61	7566	0.440	ppbv	#	87
32) 1,1,1-Trichloroethane	3.366	97	13029	0.484	ppbv		95
34) 2-Butanone	2.560	43	11954	0.460	ppbv		91
35) Carbon Tetrachloride	3.755	117	13842m	0.485	ppbv		
36) Benzene	3.654	78	16361	0.467	ppbv	#	86
37) 1,2-Dichloroethane	3.217	62	10620	0.507	ppbv		97
38) Trichloroethene	4.548	130	7478m	0.472	ppbv		
39) 1,2-Dichloropropane	4.308	63	7185	0.508	ppbv	#	81
40) 1,4-Dioxane	4.606	88	1992m	0.397	ppbv		
41) Tetrahydrofuran	3.059	42	5821m	0.455	ppbv		
42) Bromodichloromethane	4.489	83	15717m	0.522	ppbv		
43) Methyl Methacrylate	4.881	69	4550m	0.388	ppbv		
44) 2,2,4-Trimethylpentane	4.638	57	23481m	0.402	ppbv		
45) t-1,3-Dichloropropene	6.415	75	5044m	0.408	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042932.D
Acq On : 17 Sep 2025 11:58
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:29:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	7341m	0.431	ppbv		
47) 1,1,2-Trichloroethane	6.583	97	7061m	0.490	ppbv		
48) Dibromochloromethane	7.380	129	10997m	0.487	ppbv		
49) Bromoform	9.484	173	8614	0.489	ppbv		99
50) 4-Methyl-2-Pentanone	5.761	43	11932m	0.385	ppbv		
51) 2-Hexanone	7.444	43	8494m	0.372	ppbv		
52) Tetrachloroethene	8.234	164	5126m	0.471	ppbv		
53) Toluene	6.933	91	11993	0.368	ppbv		98
54) 1,2-Dibromoethane	7.658	107	8754m	0.472	ppbv		
56) 1,1,1,2-Tetrachloroethane	8.927	131	8760m	0.507	ppbv		
57) Chlorobenzene	8.924	112	16080	0.514	ppbv	#	92
58) Ethyl Benzene	9.354	91	15958	0.366	ppbv		91
59) m/p-Xylene	9.539	91	24990m	0.678	ppbv		
60) o-Xylene	9.963	91	12302	0.336	ppbv		100
61) Styrene	9.869	104	4154	0.748	ppbv		93
62) Isopropylbenzene	10.539	105	19343	0.362	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.959	83	12366m	0.467	ppbv		
64) n-propylbenzene	10.989	120	4697	0.339	ppbv		90
65) tert-Butylbenzene	11.529	119	13853	0.304	ppbv		91
66) Benzyl Chloride	11.613	91	1547	0.365	ppbv		95
67) sec-Butylbenzene	11.769	105	23691	0.341	ppbv		98
69) p-Isopropyltoluene	11.924	119	16694	0.312	ppbv		95
70) n-Butylbenzene	12.280	91	16636	0.527	ppbv		91
71) 2-Chlorotoluene	10.898	91	14134	0.357	ppbv		98
72) 4-Ethyltoluene	11.124	105	13199	0.591	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.202	105	11354	0.313	ppbv		94
74) 1,2,4-Trimethylbenzene	11.539	105	13232	0.310	ppbv	#	79
75) 1,3-Dichlorobenzene	11.607	146	11911	0.441	ppbv		98
76) 1,4-Dichlorobenzene	11.671	146	10649	0.410	ppbv		98
77) 1,2-Dichlorobenzene	11.947	146	11678	0.428	ppbv		97
78) Hexachloro-1,3-Butadiene	13.879	225	9035	0.519	ppbv		97
79) Naphthalene	13.513	128	7418	0.523	ppbv	#	94
80) Naphthalene,2-methyl-	14.458	142	2905	0.949	ppbv		96
81) 1,2,4-Trichlorobenzene	13.439	180	4520	0.626	ppbv		98

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

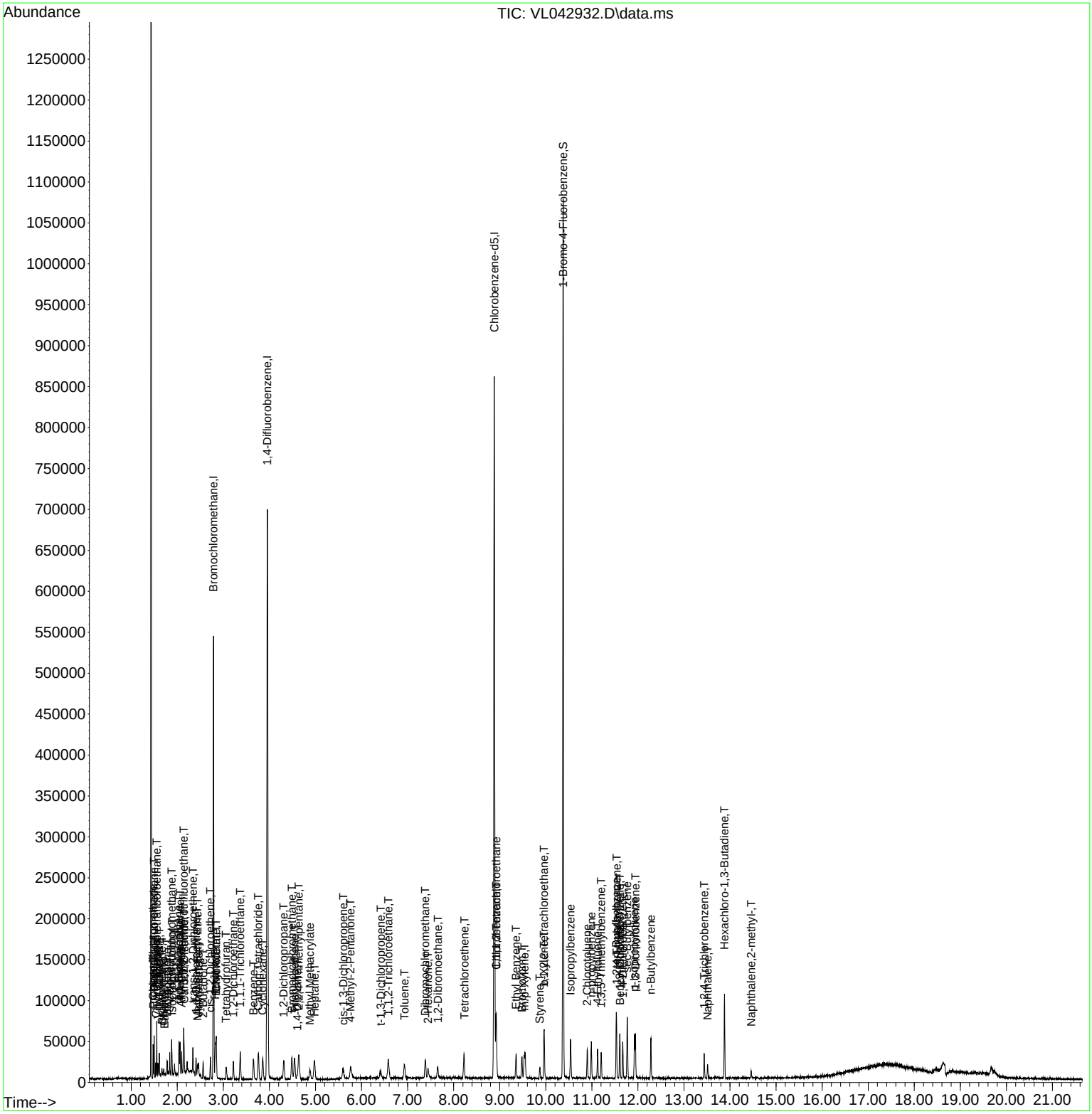
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042932.D
Acq On : 17 Sep 2025 11:58
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:29:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042933.D
Acq On : 17 Sep 2025 12:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	155710	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	390094	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	326535	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	245820	9.631	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.300%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	912	0.108	ppbv	92
32) 1,1,1-Trichloroethane	3.376	97	2351m	0.088	ppbv	
35) Carbon Tetrachloride	3.765	117	2804m	0.101	ppbv	
38) Trichloroethene	4.548	130	1467m	0.095	ppbv	
52) Tetrachloroethene	8.225	164	875m	0.083	ppbv	
54) 1,2-Dibromoethane	7.661	107	1690m	0.094	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	2442m	0.096	ppbv	
79) Naphthalene	13.520	128	1286m	0.391	ppbv	

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

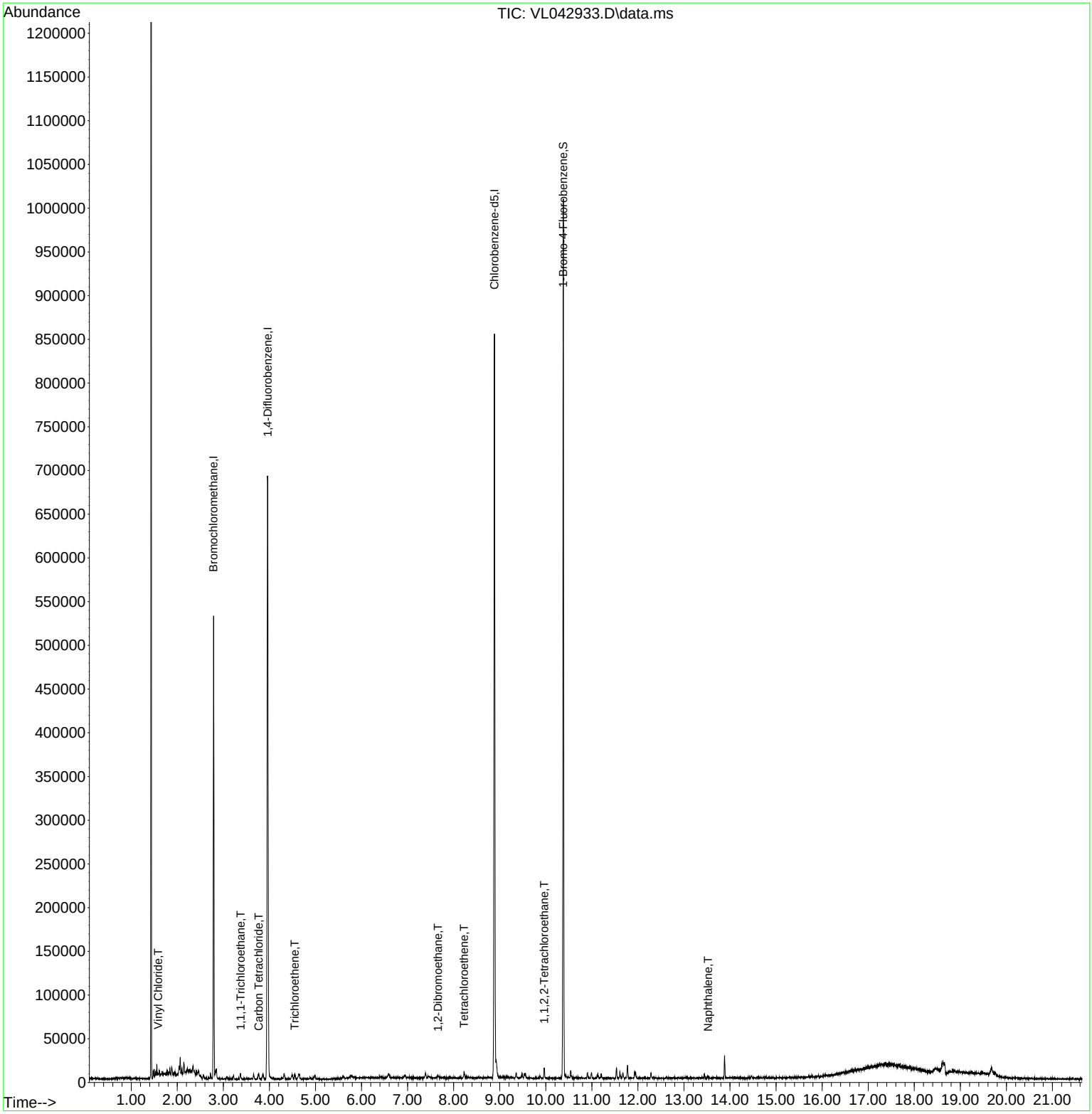
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042933.D
Acq On : 17 Sep 2025 12:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042934.D
Acq On : 17 Sep 2025 13:07
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:31:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	151993	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	373216	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	318402	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	236647	9.509	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.100%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	305	0.037	ppbv	93
32) 1,1,1-Trichloroethane	3.376	97	970m	0.037	ppbv	
35) Carbon Tetrachloride	3.771	117	993m	0.037	ppbv	
38) Trichloroethene	4.551	130	563m	0.038	ppbv	
52) Tetrachloroethene	8.221	164	366m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.963	83	927m	0.037	ppbv	

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

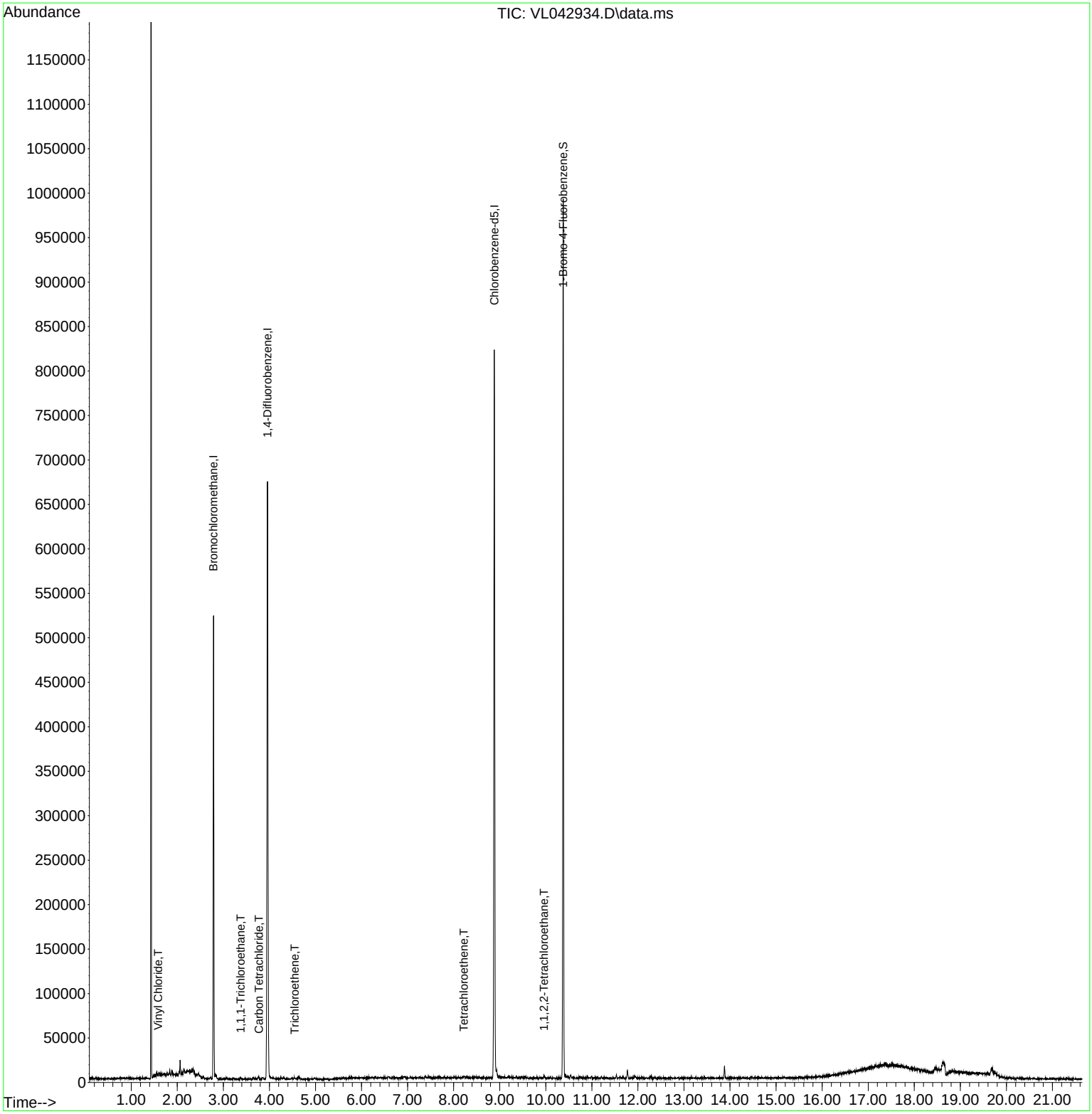
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042934.D
Acq On : 17 Sep 2025 13:07
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:31:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042935.D
Acq On : 17 Sep 2025 13:42
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:32:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	160573	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	415318	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	353249	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	295803	10.713	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	232093	10.119	ppbv	100
3) Chlorodifluoromethane	1.479	51	238232	9.865	ppbv	100
4) Chloromethane	1.534	50	92202	10.003	ppbv	100
5) Vinyl Chloride	1.583	62	80228	9.226	ppbv	100
6) Bromomethane	1.670	94	30537	10.105	ppbv	100
7) Chloroethane	1.706	64	32281	10.079	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	183602	10.089	ppbv	100
9) Propene	1.486	41	86426	9.800	ppbv	100
10) Heptane	4.988	43	259422	11.872	ppbv	100
11) Trichlorofluoromethane	1.881	101	229480	10.128	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	178790	10.100	ppbv	100
13) Ethanol	1.722	45	7630	8.486	ppbv	98
14) Bromoethene	1.784	108	62744	9.949	ppbv	100
15) Acetone	1.839	43	172060	8.724	ppbv	100
16) 1,3-Butadiene	1.612	39	79400	9.624	ppbv	100
17) tert-Butyl alcohol	2.042	59	187824	9.890	ppbv	100
18) 1,1-Dichloroethene	2.036	96	78341	10.110	ppbv	100
19) Isopropyl Alcohol	1.887	45	103481	9.786	ppbv	100
20) Methylene Chloride	2.065	84	67680	7.882	ppbv	100
21) Allyl Chloride	2.097	41	132660	9.923	ppbv	100
22) trans-1,2-Dichloroethene	2.343	96	88151	10.037	ppbv	100
23) Vinyl Acetate	2.466	43	238255	10.397	ppbv	100
24) 1,1-Dichloroethane	2.411	63	176500	10.174	ppbv	100
25) Ethyl Acetate	2.835	43	455318	10.811	ppbv	100
26) Hexane	2.829	57	199382	11.031	ppbv	100
27) Carbon Disulfide	2.152	76	220787	9.904	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	99133	9.982	ppbv	100
29) Chloroform	2.852	83	299464	10.137	ppbv	100
30) Cyclohexane	3.861	84	162355	11.924	ppbv	100
31) cis-1,2-Dichloroethene	2.725	61	184566	10.459	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	274368	9.926	ppbv	100
34) 2-Butanone	2.560	43	280052	10.402	ppbv	100
35) Carbon Tetrachloride	3.768	117	287073	9.724	ppbv	100
36) Benzene	3.661	78	383581	10.588	ppbv	100
37) 1,2-Dichloroethane	3.221	62	218944	10.091	ppbv	100
38) Trichloroethene	4.557	130	166868	10.176	ppbv	100
39) 1,2-Dichloropropane	4.318	63	148415	10.139	ppbv	100
40) 1,4-Dioxane	4.583	88	60929	11.733	ppbv #	100
41) Tetrahydrofuran	3.056	42	150567	11.375	ppbv	100
42) Bromodichloromethane	4.496	83	316501	10.165	ppbv	100
43) Methyl Methacrylate	4.884	69	143457	11.807	ppbv	100
44) 2,2,4-Trimethylpentane	4.648	57	700623	11.595	ppbv	100
45) t-1,3-Dichloropropene	6.422	75	146102	11.424	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042935.D
Acq On : 17 Sep 2025 13:42
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:32:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	197003	11.174	ppbv	100
47) 1,1,2-Trichloroethane	6.587	97	156042	10.453	ppbv	100
48) Dibromochloromethane	7.393	129	244251	10.447	ppbv	100
49) Bromoform	9.490	173	196118	10.747	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	387522	12.080	ppbv	100
51) 2-Hexanone	7.441	43	307420	13.020	ppbv	100
52) Tetrachloroethene	8.231	164	115985	10.295	ppbv	100
53) Toluene	6.939	91	415754	12.313	ppbv	100
54) 1,2-Dibromoethane	7.658	107	211125	10.997	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.930	131	186222	10.345	ppbv	100
57) Chlorobenzene	8.927	112	342500	10.490	ppbv	100
58) Ethyl Benzene	9.360	91	582982	12.810	ppbv	100
59) m/p-Xylene	9.558	91	983541m	25.571	ppbv	
60) o-Xylene	9.969	91	495406	12.957	ppbv	100
61) Styrene	9.875	104	196509	9.941	ppbv	100
62) Isopropylbenzene	10.545	105	707651	12.705	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	283680	10.272	ppbv	100
64) n-propylbenzene	10.992	120	182766	12.656	ppbv	100
65) tert-Butylbenzene	11.536	119	619284	13.011	ppbv	100
66) Benzyl Chloride	11.620	91	53013	11.987	ppbv	100
67) sec-Butylbenzene	11.772	105	904817	12.496	ppbv	100
69) p-Isopropyltoluene	11.930	119	730122	13.084	ppbv	100
70) n-Butylbenzene	12.286	91	787146	10.537	ppbv	100
71) 2-Chlorotoluene	10.904	91	530980	12.848	ppbv	100
72) 4-Ethyltoluene	11.131	105	597492	10.333	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	493710	13.051	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	566106	12.734	ppbv	100
75) 1,3-Dichlorobenzene	11.613	146	319203	11.326	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	322554	11.896	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	316961	11.147	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	185221	10.199	ppbv	100
79) Naphthalene	13.516	128	474749	10.151	ppbv	100
80) Naphthalene,2-methyl-	14.461	142	132693	9.058	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	224163	9.993	ppbv	100

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

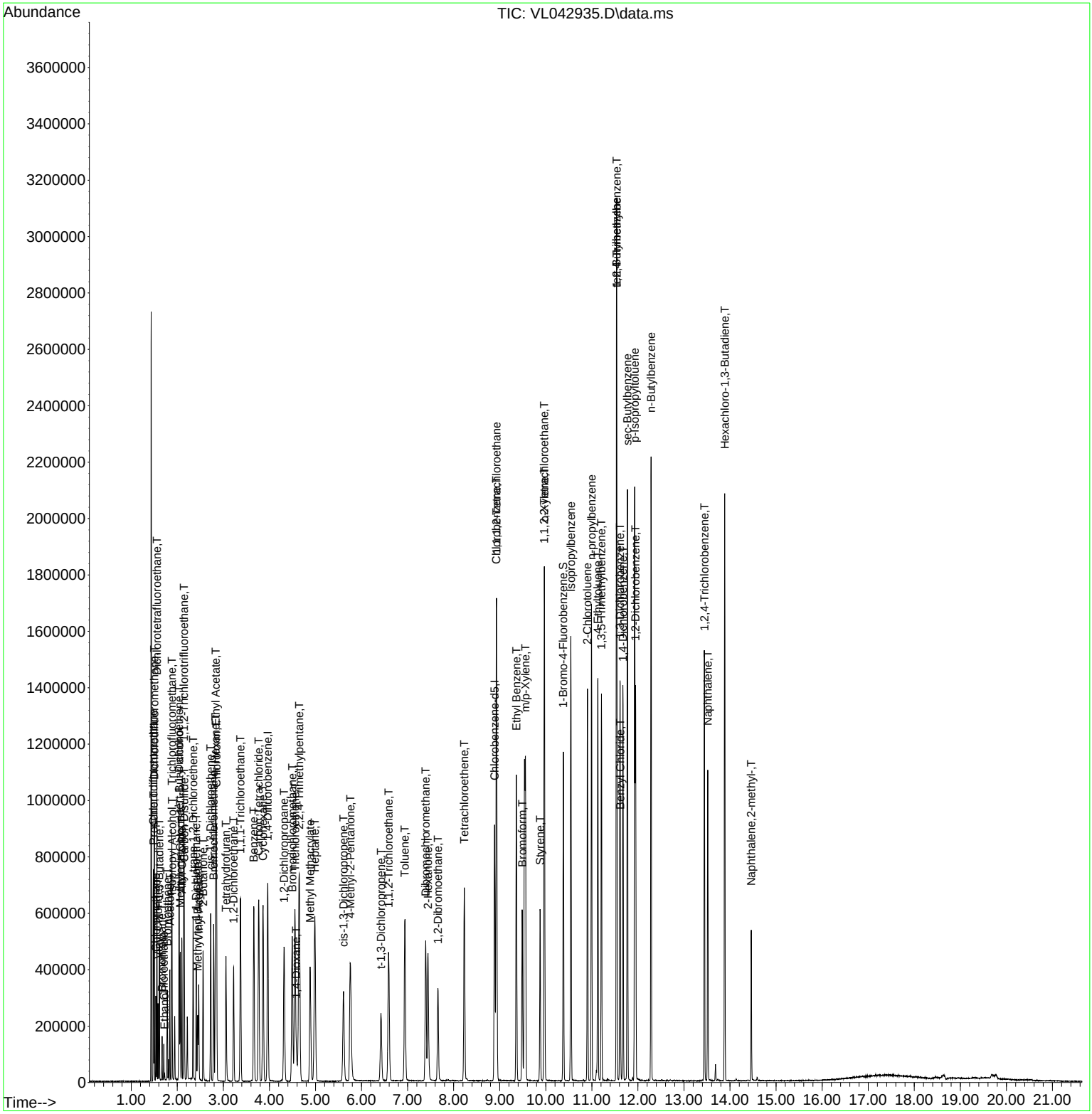
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042935.D
Acq On : 17 Sep 2025 13:42
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:32:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042936.D
Acq On : 17 Sep 2025 14:17
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:32:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	166880	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	435144	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	378127	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	301418	10.198	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	342031	14.349	ppbv	99
3) Chlorodifluoromethane	1.476	51	364078	14.507	ppbv	100
4) Chloromethane	1.534	50	137673	14.371	ppbv	96
5) Vinyl Chloride	1.583	62	122964	13.606	ppbv	98
6) Bromomethane	1.670	94	45220	14.399	ppbv	96
7) Chloroethane	1.706	64	50396	15.140	ppbv	92
8) Dichlorotetrafluoroethane	1.557	85	275345	14.559	ppbv	99
9) Propene	1.486	41	145520	15.877	ppbv	98
10) Heptane	4.985	43	400273	17.626	ppbv	99
11) Trichlorofluoromethane	1.881	101	341853	14.517	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	266384	14.480	ppbv	100
13) Ethanol	1.722	45	12036	12.880	ppbv	88
14) Bromoethene	1.784	108	96723	14.758	ppbv	98
15) Acetone	1.835	43	261592	12.762	ppbv	99
16) 1,3-Butadiene	1.612	39	123576	14.413	ppbv	99
17) tert-Butyl alcohol	2.039	59	288104	14.597	ppbv	99
18) 1,1-Dichloroethene	2.036	96	119994	14.901	ppbv	96
19) Isopropyl Alcohol	1.887	45	157857	14.364	ppbv #	1
20) Methylene Chloride	2.065	84	103933	11.646	ppbv	97
21) Allyl Chloride	2.098	41	206205	14.841	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	133482	14.624	ppbv	97
23) Vinyl Acetate	2.463	43	409957	17.213	ppbv	98
24) 1,1-Dichloroethane	2.412	63	267165	14.818	ppbv	99
25) Ethyl Acetate	2.836	43	697465	15.935	ppbv	100
26) Hexane	2.829	57	319529	17.011	ppbv	94
27) Carbon Disulfide	2.153	76	339264	14.644	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	158791	15.384	ppbv	99
29) Chloroform	2.852	83	454938	14.817	ppbv	96
30) Cyclohexane	3.862	84	263817	18.643	ppbv	99
31) cis-1,2-Dichloroethene	2.725	61	297831	16.240	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	429312	14.944	ppbv	99
34) 2-Butanone	2.557	43	447323	15.858	ppbv	97
35) Carbon Tetrachloride	3.768	117	434961	14.062	ppbv	99
36) Benzene	3.661	78	622923	16.412	ppbv	100
37) 1,2-Dichloroethane	3.221	62	342237	15.055	ppbv	99
38) Trichloroethene	4.554	130	263119	15.314	ppbv	95
39) 1,2-Dichloropropane	4.318	63	233331	15.214	ppbv	97
40) 1,4-Dioxane	4.583	88	94289	17.330	ppbv #	96
41) Tetrahydrofuran	3.052	42	252880	18.235	ppbv	99
42) Bromodichloromethane	4.493	83	487210	14.935	ppbv	99
43) Methyl Methacrylate	4.881	69	237510	18.657	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	1074444	16.972	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	248122	18.517	ppbv	94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042936.D
Acq On : 17 Sep 2025 14:17
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:32:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	331381	17.939	ppbv		97
47) 1,1,2-Trichloroethane	6.587	97	237995	15.216	ppbv		98
48) Dibromochloromethane	7.393	129	378815	15.464	ppbv		99
49) Bromoform	9.490	173	300343	15.709	ppbv		100
50) 4-Methyl-2-Pentanone	5.755	43	623273	18.544	ppbv		98
51) 2-Hexanone	7.441	43	492844	19.922	ppbv	#	98
52) Tetrachloroethene	8.231	164	183151	15.516	ppbv		96
53) Toluene	6.940	91	678667	19.184	ppbv		99
54) 1,2-Dibromoethane	7.658	107	329410	16.376	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.930	131	282351	14.654	ppbv		99
57) Chlorobenzene	8.927	112	521288	14.916	ppbv		97
58) Ethyl Benzene	9.361	91	928410	19.058	ppbv		100
59) m/p-Xylene	9.558	91	1503527m	36.519	ppbv		
60) o-Xylene	9.969	91	761569	18.607	ppbv		100
61) Styrene	9.875	104	325087	15.069	ppbv		99
62) Isopropylbenzene	10.542	105	1072342	17.986	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.969	83	426688	14.434	ppbv		98
64) n-propylbenzene	10.995	120	280188	18.126	ppbv		96
65) tert-Butylbenzene	11.536	119	939322	18.437	ppbv		100
66) Benzyl Chloride	11.620	91	90114	19.035	ppbv		99
67) sec-Butylbenzene	11.772	105	1361807	17.569	ppbv		100
69) p-Isopropyltoluene	11.930	119	1110321	18.588	ppbv		99
70) n-Butylbenzene	12.283	91	1182368	14.665	ppbv		98
71) 2-Chlorotoluene	10.904	91	823050	18.604	ppbv		99
72) 4-Ethyltoluene	11.128	105	926161	14.801	ppbv		100
73) 1,3,5-Trimethylbenzene	11.209	105	761800	18.813	ppbv		100
74) 1,2,4-Trimethylbenzene	11.542	105	849558	17.853	ppbv	#	87
75) 1,3-Dichlorobenzene	11.610	146	491485	16.291	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	487745	16.805	ppbv		99
77) 1,2-Dichlorobenzene	11.950	146	476080	15.641	ppbv		100
78) Hexachloro-1,3-Butadiene	13.882	225	285795	14.702	ppbv		99
79) Naphthalene	13.516	128	758929	14.938	ppbv		99
80) Naphthalene,2-methyl-	14.458	142	254607	15.635	ppbv		99
81) 1,2,4-Trichlorobenzene	13.442	180	365929	15.017	ppbv		99

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

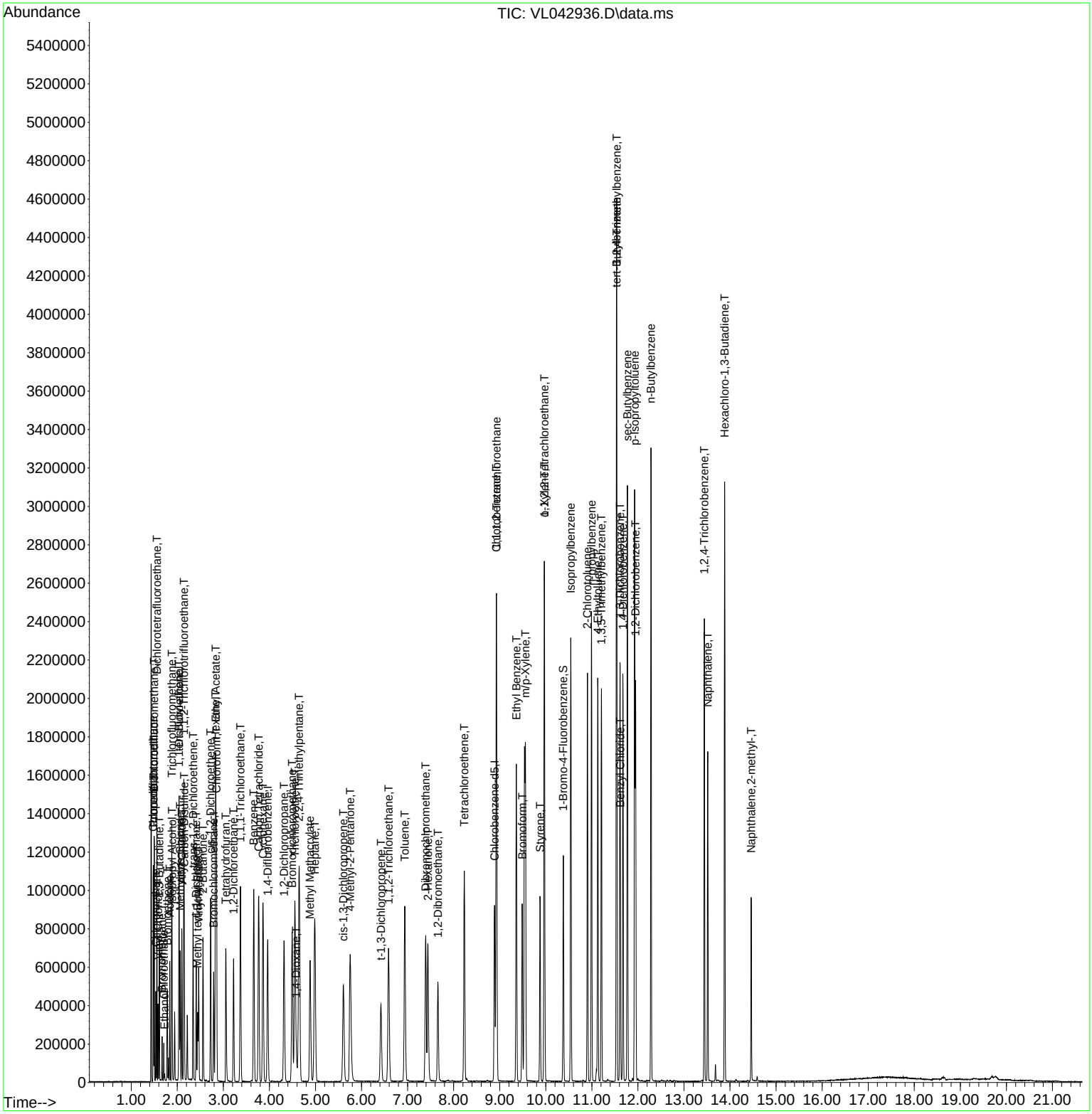
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042936.D
Acq On : 17 Sep 2025 14:17
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 02:32:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:25:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042937.D
Acq On : 17 Sep 2025 14:52
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 03:00:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL091725

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	163811	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	429845	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	368077	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	295691	10.278	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	229111	9.792	ppbv	99
3) Chlorodifluoromethane	1.476	51	246816	10.019	ppbv	99
4) Chloromethane	1.534	50	88317	9.392	ppbv	98
5) Vinyl Chloride	1.580	62	79666	8.980	ppbv	97
6) Bromomethane	1.667	94	29113	9.444	ppbv	89
7) Chloroethane	1.706	64	32759	10.026	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	183884	9.905	ppbv	100
9) Propene	1.482	41	98232	10.919	ppbv	99
10) Heptane	4.978	43	264357	11.859	ppbv	100
11) Trichlorofluoromethane	1.877	101	228320	9.878	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	175799	9.735	ppbv	99
13) Ethanol	1.722	45	6424	7.003	ppbv	92
14) Bromoethene	1.783	108	61980	9.634	ppbv	99
15) Acetone	1.835	43	166535	8.277	ppbv	99
16) 1,3-Butadiene	1.609	39	82098	9.755	ppbv	98
17) tert-Butyl alcohol	2.039	59	195293	10.080	ppbv	99
18) 1,1-Dichloroethene	2.036	96	80688	10.208	ppbv	94
19) Isopropyl Alcohol	1.884	45	104411	9.679	ppbv #	1
20) Methylene Chloride	2.062	84	69478	7.931	ppbv	96
21) Allyl Chloride	2.097	41	135109	9.906	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	88461	9.873	ppbv	97
23) Vinyl Acetate	2.463	43	245812	10.514	ppbv	99
24) 1,1-Dichloroethane	2.408	63	178694	10.097	ppbv	99
25) Ethyl Acetate	2.832	43	465727	10.840	ppbv	99
26) Hexane	2.826	57	214492	11.633	ppbv	94
27) Carbon Disulfide	2.149	76	225070	9.897	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	100988	9.968	ppbv	99
29) Chloroform	2.848	83	303164	10.059	ppbv	99
30) Cyclohexane	3.858	84	169974	12.237	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	201417	11.188	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	282320	10.012	ppbv	99
34) 2-Butanone	2.557	43	295206	10.594	ppbv	98
35) Carbon Tetrachloride	3.761	117	287165	9.398	ppbv	98
36) Benzene	3.657	78	409107	10.911	ppbv	99
37) 1,2-Dichloroethane	3.217	62	226948	10.107	ppbv	100
38) Trichloroethene	4.548	130	176428	10.395	ppbv	98
39) 1,2-Dichloropropane	4.315	63	154678	10.208	ppbv	97
40) 1,4-Dioxane	4.580	88	62205	11.567	ppbv #	95
41) Tetrahydrofuran	3.052	42	164799	11.951	ppbv	98
42) Bromodichloromethane	4.489	83	328094	10.181	ppbv	96
43) Methyl Methacrylate	4.878	69	154971	12.345	ppbv	98
44) 2,2,4-Trimethylpentane	4.641	57	714131	11.419	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	159002	12.012	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042937.D
Acq On : 17 Sep 2025 14:52
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 03:00:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL091725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.603	75	215811	11.827	ppbv		96
47)	1,1,2-Trichloroethane	6.583	97	156292	10.115	ppbv		98
48)	Dibromochloromethane	7.386	129	248022	10.249	ppbv		100
49)	Bromoform	9.483	173	199430	10.559	ppbv		99
50)	4-Methyl-2-Pentanone	5.748	43	401816	12.061	ppbv		99
51)	2-Hexanone	7.435	43	309643	12.515	ppbv		98
52)	Tetrachloroethene	8.224	164	117822	10.191	ppbv		95
53)	Toluene	6.936	91	437541	12.514	ppbv		99
54)	1,2-Dibromoethane	7.655	107	216018	10.868	ppbv		96
56)	1,1,1,2-Tetrachloroethane	8.924	131	185285	9.881	ppbv		99
57)	Chlorobenzene	8.924	112	345434	10.154	ppbv		99
58)	Ethyl Benzene	9.357	91	594613	12.539	ppbv		98
59)	m/p-Xylene	9.535	91	992545m	24.769	ppbv		
60)	o-Xylene	9.966	91	493072	12.376	ppbv		98
61)	Styrene	9.875	104	207040	10.047	ppbv		99
62)	Isopropylbenzene	10.542	105	705403	12.155	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.966	83	281350	9.775	ppbv		99
64)	n-propylbenzene	10.992	120	182390	12.121	ppbv		98
65)	tert-Butylbenzene	11.532	119	614507	12.391	ppbv		100
66)	Benzyl Chloride	11.616	91	55461	12.035	ppbv		99
67)	sec-Butylbenzene	11.769	105	903484	11.975	ppbv		99
69)	p-Isopropyltoluene	11.927	119	728062	12.521	ppbv		99
70)	n-Butylbenzene	12.283	91	776317	9.990	ppbv		99
71)	2-Chlorotoluene	10.904	91	539069	12.518	ppbv		100
72)	4-Ethyltoluene	11.128	105	596475	9.915	ppbv		100
73)	1,3,5-Trimethylbenzene	11.205	105	490000	12.431	ppbv		99
74)	1,2,4-Trimethylbenzene	11.539	105	560019	12.090	ppbv	#	88
75)	1,3-Dichlorobenzene	11.610	146	320827	10.925	ppbv		99
76)	1,4-Dichlorobenzene	11.675	146	316382	11.199	ppbv		100
77)	1,2-Dichlorobenzene	11.950	146	309923	10.460	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.882	225	181670	9.601	ppbv		99
79)	Naphthalene	13.513	128	471217	9.690	ppbv		99
80)	Naphthalene,2-methyl-	14.458	142	114187	7.615	ppbv		99
81)	1,2,4-Trichlorobenzene	13.442	180	219451	9.415	ppbv		98

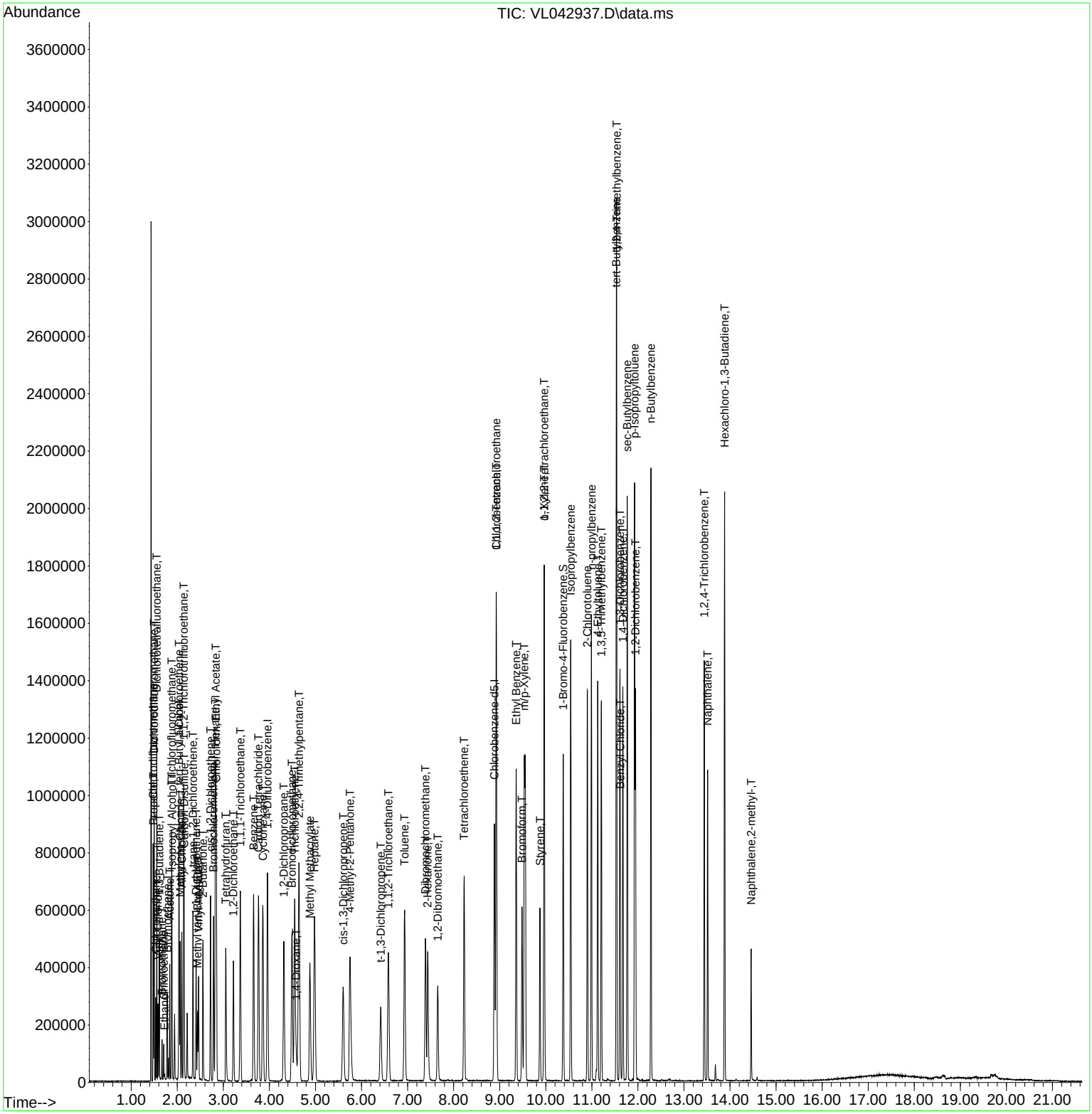
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042937.D
Acq On : 17 Sep 2025 14:52
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 03:00:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL091725

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042937.D
Acq On : 17 Sep 2025 14:52
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL091725

Quant Time: Sep 18 03:00:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	1.428	1.399	2.0	99	0.00
3		Chlorodifluoromethane	1.504	1.507	-0.2	104	0.00
4		Chloromethane	0.574	0.539	6.1	96	0.00
5	T	Vinyl Chloride	0.542	0.486	10.3	99	0.00
6	T	Bromomethane	0.188	0.178	5.3	95	0.00
7		Chloroethane	0.199	0.200	-0.5	101	0.00
8	T	Dichlorotetrafluoroethane	1.133	1.123	0.9	100	0.00
9	T	Propene	0.549	0.600	-9.3	114	0.00
10	T	Heptane	1.361	1.614	-18.6	102	0.00
11	T	Trichlorofluoromethane	1.411	1.394	1.2	99	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.102	1.073	2.6	98	0.00
13		Ethanol	0.056	0.039#	30.4#	84	0.00
14	T	Bromoethene	0.393	0.378	3.8	99	0.00
15	T	Acetone	1.228	1.017	17.2	97	0.00
16	T	1,3-Butadiene	0.514	0.501	2.5	103	0.00
17		tert-Butyl alcohol	1.183	1.192	-0.8	104	0.00
18	T	1,1-Dichloroethene	0.483	0.493	-2.1	103	0.00
19	T	Isopropyl Alcohol	0.659	0.637	3.3	101	0.00
20	T	Methylene Chloride	0.535	0.424	20.7	103	0.00
21	T	Allyl Chloride	0.833	0.825	1.0	102	0.00
22	T	trans-1,2-Dichloroethene	0.547	0.540	1.3	100	0.00
23	T	Vinyl Acetate	1.427	1.501	-5.2	103	0.00
24	T	1,1-Dichloroethane	1.080	1.091	-1.0	101	0.00
25	T	Ethyl Acetate	2.623	2.843	-8.4	102	0.00
26	T	Hexane	1.126	1.309	-16.3	108	0.00
27	T	Carbon Disulfide	1.388	1.374	1.0	102	0.00
28	T	Methyl tert-Butyl Ether	0.619	0.616	0.5	102	0.00
29	T	Chloroform	1.840	1.851	-0.6	101	0.00
30	T	Cyclohexane	0.848	1.038	-22.4	105	0.00
31	T	cis-1,2-Dichloroethene	1.099	1.230	-11.9	109	0.00
32	T	1,1,1-Trichloroethane	1.721	1.723	-0.1	103	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
34	T	2-Butanone	0.648	0.687	-6.0	105	0.00
35	T	Carbon Tetrachloride	0.711	0.668	6.0	100	0.00
36	T	Benzene	0.872	0.952	-9.2	107	0.00
37	T	1,2-Dichloroethane	0.522	0.528	-1.1	104	0.00
38	T	Trichloroethene	0.395	0.410	-3.8	106	0.00
39	T	1,2-Dichloropropane	0.353	0.360	-2.0	104	0.00
40	T	1,4-Dioxane	0.125	0.145	-16.0	102	0.00
41	T	Tetrahydrofuran	0.321	0.383	-19.3	109	0.00
42	T	Bromodichloromethane	0.750	0.763	-1.7	104	0.00
43		Methyl Methacrylate	0.292	0.361	-23.6	108	0.00
44	T	2,2,4-Trimethylpentane	1.455	1.661	-14.2	102	0.00
45	T	t-1,3-Dichloropropene	0.308	0.370	-20.1	109	0.00
46	T	cis-1,3-Dichloropropene	0.425	0.502	-18.1	110	0.00
47	T	1,1,2-Trichloroethane	0.359	0.364	-1.4	100	0.00
48	T	Dibromochloromethane	0.563	0.577	-2.5	102	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042937.D
Acq On : 17 Sep 2025 14:52
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL091725

Quant Time: Sep 18 03:00:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 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	0.439	0.464	-5.7	102	0.00
50	T	4-Methyl-2-Pentanone	0.775	0.935	-20.6	104	0.00
51	T	2-Hexanone	0.576	0.720	-25.0	101	0.00
52	T	Tetrachloroethene	0.269	0.274	-1.9	102	0.00
53	T	Toluene	0.813	1.018	-25.2	105	0.00
54	T	1,2-Dibromoethane	0.462	0.503	-8.9	102	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
56		1,1,1,2-Tetrachloroethane	0.509	0.503	1.2	99	0.00
57	T	Chlorobenzene	0.924	0.938	-1.5	101	0.00
58	T	Ethyl Benzene	1.288	1.615	-25.4	102	0.00
59	T	m/p-Xylene	1.089	1.348	-23.8	101	-0.02
60	T	o-Xylene	1.082	1.340	-23.8	100	0.00
61	T	Styrene	0.403	0.562	-39.5#	105	0.00
62		Isopropylbenzene	1.577	1.916	-21.5	100	0.00
63	T	1,1,2,2-Tetrachloroethane	0.782	0.764	2.3	99	0.00
64		n-propylbenzene	0.409	0.496	-21.3	100	0.00
65		tert-Butylbenzene	1.347	1.670	-24.0	99	0.00
66	T	Benzyl Chloride	0.125	0.151	-20.8	105	0.00
67		sec-Butylbenzene	2.050	2.455	-19.8	100	0.00
68	S	1-Bromo-4-Fluorobenzene	0.782	0.803	-2.7	100	0.00
69		p-Isopropyltoluene	1.580	1.978	-25.2	100	0.00
70		n-Butylbenzene	1.661	2.109	-27.0	99	0.00
71		2-Chlorotoluene	1.170	1.465	-25.2	102	0.00
72	T	4-Ethyltoluene	1.267	1.621	-27.9	100	0.00
73	T	1,3,5-Trimethylbenzene	1.071	1.331	-24.3	99	0.00
74	T	1,2,4-Trimethylbenzene	1.258	1.521	-20.9	99	0.00
75	T	1,3-Dichlorobenzene	0.798	0.872	-9.3	101	0.00
76	T	1,4-Dichlorobenzene	0.768	0.860	-12.0	98	0.00
77	T	1,2-Dichlorobenzene	0.805	0.842	-4.6	98	0.00
78	T	Hexachloro-1,3-Butadiene	0.514	0.494	3.9	98	0.00
79	T	Naphthalene	0.849	1.280	-50.8#	99	0.00
80	T	Naphthalene,2-methyl-	0.275	0.310	-12.7	86	0.00
81	T	1,2,4-Trichlorobenzene	0.479	0.596	-24.4	98	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\VL091725\
Data File : VL042937.D
Acq On : 17 Sep 2025 14:52
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL091725

Quant Time: Sep 18 03:00:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	10.000	9.792	2.1	99	0.00
3		Chlorodifluoromethane	10.000	10.019	-0.2	104	0.00
4		Chloromethane	10.000	9.392	6.1	96	0.00
5	T	Vinyl Chloride	10.000	8.980	10.2	99	0.00
6	T	Bromomethane	10.000	9.444	5.6	95	0.00
7		Chloroethane	10.000	10.026	-0.3	101	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.905	1.0	100	0.00
9	T	Propene	10.000	10.919	-9.2	114	0.00
10	T	Heptane	10.000	11.859	-18.6	102	0.00
11	T	Trichlorofluoromethane	10.000	9.878	1.2	99	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.735	2.7	98	0.00
13		Ethanol	10.000	7.003	30.0	84	0.00
14	T	Bromoethene	10.000	9.634	3.7	99	0.00
15	T	Acetone	10.000	8.277	17.2	97	0.00
16	T	1,3-Butadiene	10.000	9.755	2.4	103	0.00
17		tert-Butyl alcohol	10.000	10.080	-0.8	104	0.00
18	T	1,1-Dichloroethene	10.000	10.208	-2.1	103	0.00
19	T	Isopropyl Alcohol	10.000	9.679	3.2	101	0.00
20	T	Methylene Chloride	10.000	7.931	20.7	103	0.00
21	T	Allyl Chloride	10.000	9.906	0.9	102	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.873	1.3	100	0.00
23	T	Vinyl Acetate	10.000	10.514	-5.1	103	0.00
24	T	1,1-Dichloroethane	10.000	10.097	-1.0	101	0.00
25	T	Ethyl Acetate	10.000	10.840	-8.4	102	0.00
26	T	Hexane	10.000	11.633	-16.3	108	0.00
27	T	Carbon Disulfide	10.000	9.897	1.0	102	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.968	0.3	102	0.00
29	T	Chloroform	10.000	10.059	-0.6	101	0.00
30	T	Cyclohexane	10.000	12.237	-22.4	105	0.00
31	T	cis-1,2-Dichloroethene	10.000	11.188	-11.9	109	0.00
32	T	1,1,1-Trichloroethane	10.000	10.012	-0.1	103	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	103	0.00
34	T	2-Butanone	10.000	10.594	-5.9	105	0.00
35	T	Carbon Tetrachloride	10.000	9.398	6.0	100	0.00
36	T	Benzene	10.000	10.911	-9.1	107	0.00
37	T	1,2-Dichloroethane	10.000	10.107	-1.1	104	0.00
38	T	Trichloroethene	10.000	10.395	-3.9	106	0.00
39	T	1,2-Dichloropropane	10.000	10.208	-2.1	104	0.00
40	T	1,4-Dioxane	10.000	11.567	-15.7	102	0.00
41	T	Tetrahydrofuran	10.000	11.951	-19.5	109	0.00
42	T	Bromodichloromethane	10.000	10.181	-1.8	104	0.00
43		Methyl Methacrylate	10.000	12.345	-23.5	108	0.00
44	T	2,2,4-Trimethylpentane	10.000	11.419	-14.2	102	0.00
45	T	t-1,3-Dichloropropene	10.000	12.012	-20.1	109	0.00
46	T	cis-1,3-Dichloropropene	10.000	11.827	-18.3	110	0.00
47	T	1,1,2-Trichloroethane	10.000	10.115	-1.2	100	0.00
48	T	Dibromochloromethane	10.000	10.249	-2.5	102	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042937.D
Acq On : 17 Sep 2025 14:52
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL091725

Quant Time: Sep 18 03:00:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 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	10.559	-5.6	102	0.00
50	T	4-Methyl-2-Pentanone	10.000	12.061	-20.6	104	0.00
51	T	2-Hexanone	10.000	12.515	-25.2	101	0.00
52	T	Tetrachloroethene	10.000	10.191	-1.9	102	0.00
53	T	Toluene	10.000	12.514	-25.1	105	0.00
54	T	1,2-Dibromoethane	10.000	10.868	-8.7	102	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	104	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.881	1.2	99	0.00
57	T	Chlorobenzene	10.000	10.154	-1.5	101	0.00
58	T	Ethyl Benzene	10.000	12.539	-25.4	102	0.00
59	T	m/p-Xylene	20.000	24.769	-23.8	101	-0.02
60	T	o-Xylene	10.000	12.376	-23.8	100	0.00
61	T	Styrene	10.000	10.047	-0.5	105	0.00
62		Isopropylbenzene	10.000	12.155	-21.5	100	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	9.775	2.2	99	0.00
64		n-propylbenzene	10.000	12.121	-21.2	100	0.00
65		tert-Butylbenzene	10.000	12.391	-23.9	99	0.00
66	T	Benzyl Chloride	10.000	12.035	-20.4	105	0.00
67		sec-Butylbenzene	10.000	11.975	-19.7	100	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.278	-2.8	100	0.00
69		p-Isopropyltoluene	10.000	12.521	-25.2	100	0.00
70		n-Butylbenzene	10.000	9.990	0.1	99	0.00
71		2-Chlorotoluene	10.000	12.518	-25.2	102	0.00
72	T	4-Ethyltoluene	10.000	9.915	0.9	100	0.00
73	T	1,3,5-Trimethylbenzene	10.000	12.431	-24.3	99	0.00
74	T	1,2,4-Trimethylbenzene	10.000	12.090	-20.9	99	0.00
75	T	1,3-Dichlorobenzene	10.000	10.925	-9.3	101	0.00
76	T	1,4-Dichlorobenzene	10.000	11.199	-12.0	98	0.00
77	T	1,2-Dichlorobenzene	10.000	10.460	-4.6	98	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	9.601	4.0	98	0.00
79	T	Naphthalene	10.000	9.690	3.1	99	0.00
80	T	Naphthalene,2-methyl-	10.000	7.615	23.8	86	0.00
81	T	1,2,4-Trichlorobenzene	10.000	9.415	5.9	98	0.00

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

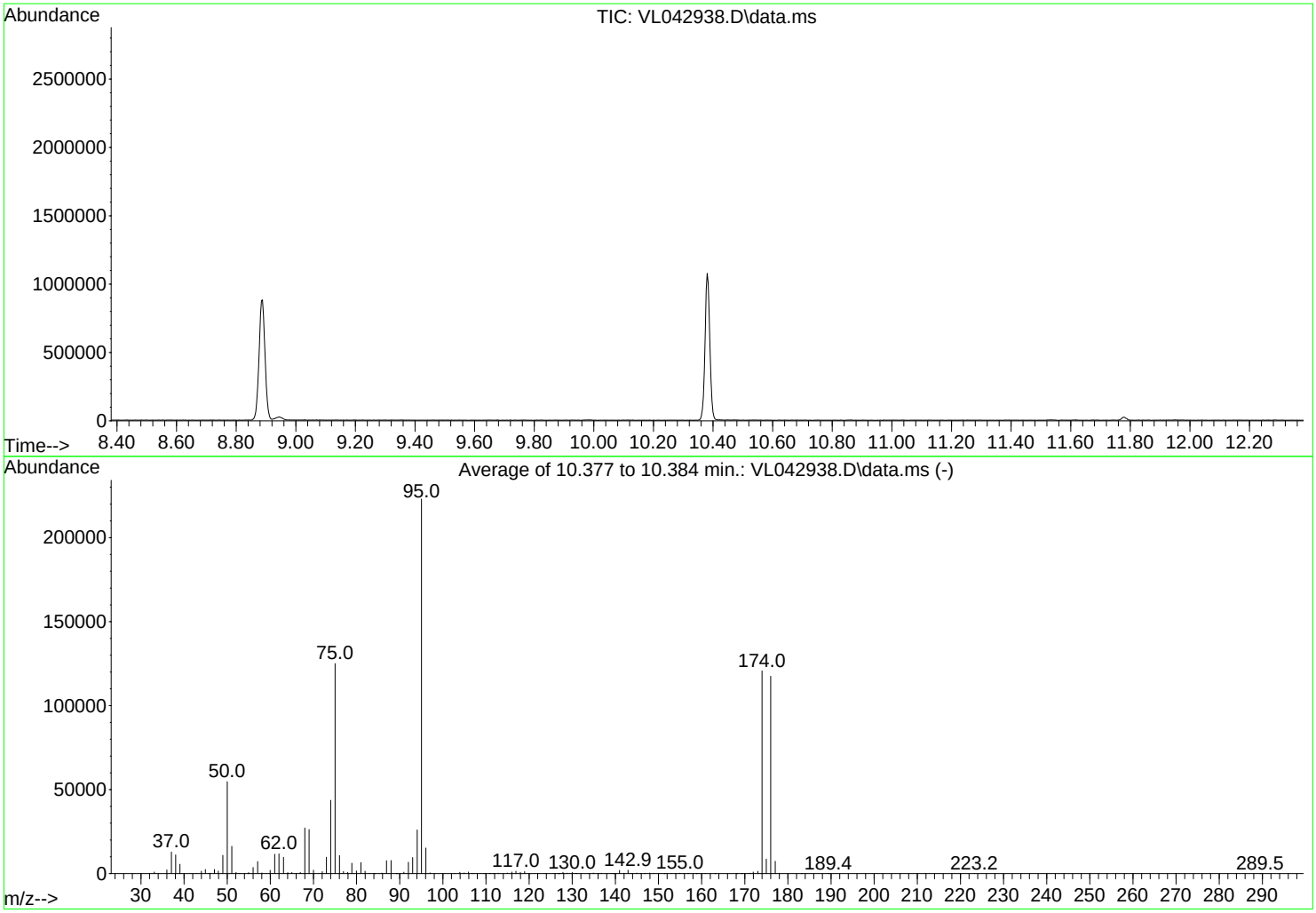
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042938.D
Acq On : 18 Sep 2025 07:46
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Thu Sep 18 02:57:46 2025



AutoFind: Scans 3179, 3180, 3181; Background Corrected with Scan 3162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.5	54715	PASS
75	95	30	66	56.1	125027	PASS
95	95	100	100	100.0	223019	PASS
96	95	5	9	6.8	15247	PASS
173	174	0.00	2	1.1	1327	PASS
174	95	50	120	54.1	120688	PASS
175	174	4	9	7.2	8675	PASS
176	174	93	101	97.4	117509	PASS
177	176	5	9	6.3	7359	PASS

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042939.D
Acq On : 18 Sep 2025 09:38
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 19 01:21:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	157654	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	416196	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	350205	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	287353	10.498	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	223802	9.938	ppbv	98
3) Chlorodifluoromethane	1.476	51	244077	10.294	ppbv	100
4) Chloromethane	1.534	50	85553	9.453	ppbv	98
5) Vinyl Chloride	1.583	62	77985	9.134	ppbv	95
6) Bromomethane	1.670	94	28462	9.593	ppbv	99
7) Chloroethane	1.706	64	31268	9.943	ppbv	92
8) Dichlorotetrafluoroethane	1.557	85	175256	9.809	ppbv	100
9) Propene	1.486	41	97529	11.264	ppbv	98
10) Heptane	4.988	43	256082	11.936	ppbv	99
11) Trichlorofluoromethane	1.881	101	212480	9.551	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	163856	9.428	ppbv	97
13) Ethanol	1.725	45	6145	6.961	ppbv	93
14) Bromoethene	1.784	108	57603	9.303	ppbv	98
15) Acetone	1.839	43	154852	7.997	ppbv	98
16) 1,3-Butadiene	1.612	39	79708	9.840	ppbv	98
17) tert-Butyl alcohol	2.042	59	188621	10.116	ppbv	98
18) 1,1-Dichloroethene	2.039	96	73857	9.708	ppbv	96
19) Isopropyl Alcohol	1.890	45	99740	9.607	ppbv #	1
20) Methylene Chloride	2.065	84	66946	7.941	ppbv	96
21) Allyl Chloride	2.101	41	128419	9.783	ppbv	100
22) trans-1,2-Dichloroethene	2.343	96	84863	9.842	ppbv	99
23) Vinyl Acetate	2.466	43	245936	10.931	ppbv	98
24) 1,1-Dichloroethane	2.411	63	167836	9.854	ppbv	98
25) Ethyl Acetate	2.842	43	459524	11.113	ppbv	100
26) Hexane	2.832	57	205167	11.562	ppbv	98
27) Carbon Disulfide	2.156	76	213658	9.762	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	93883	9.628	ppbv	98
29) Chloroform	2.855	83	299404	10.322	ppbv	99
30) Cyclohexane	3.865	84	167350	12.518	ppbv	100
31) cis-1,2-Dichloroethene	2.725	61	194977	11.254	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	278380	10.257	ppbv	100
34) 2-Butanone	2.560	43	290768	10.777	ppbv	98
35) Carbon Tetrachloride	3.771	117	285378	9.646	ppbv	94
36) Benzene	3.664	78	399269	10.998	ppbv	97
37) 1,2-Dichloroethane	3.224	62	224589	10.330	ppbv	99
38) Trichloroethene	4.557	130	168064	10.227	ppbv	95
39) 1,2-Dichloropropane	4.324	63	151824	10.348	ppbv	96
40) 1,4-Dioxane	4.593	88	55603	10.678	ppbv #	96
41) Tetrahydrofuran	3.059	42	160226	12.000	ppbv	99
42) Bromodichloromethane	4.499	83	320875	10.284	ppbv	97
43) Methyl Methacrylate	4.891	69	148839	12.245	ppbv	99
44) 2,2,4-Trimethylpentane	4.651	57	694671	11.472	ppbv	99
45) t-1,3-Dichloropropene	6.428	75	153654	11.989	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042939.D
Acq On : 18 Sep 2025 09:38
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 19 01:21:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	208635	11.808	ppbv		95
47) 1,1,2-Trichloroethane	6.596	97	157128	10.503	ppbv		98
48) Dibromochloromethane	7.396	129	244295	10.426	ppbv		100
49) Bromoform	9.493	173	196187	10.728	ppbv		99
50) 4-Methyl-2-Pentanone	5.761	43	392734	12.175	ppbv		100
51) 2-Hexanone	7.444	43	306892	12.811	ppbv		100
52) Tetrachloroethene	8.234	164	116819	10.435	ppbv		94
53) Toluene	6.946	91	426986	12.613	ppbv		100
54) 1,2-Dibromoethane	7.665	107	211227	10.975	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.933	131	180285	10.105	ppbv		97
57) Chlorobenzene	8.933	112	338397	10.455	ppbv		99
58) Ethyl Benzene	9.364	91	581778	12.894	ppbv		99
59) m/p-Xylene	9.561	91	971576m	25.483	ppbv		
60) o-Xylene	9.972	91	491310	12.961	ppbv		99
61) Styrene	9.878	104	200245	10.204	ppbv		99
62) Isopropylbenzene	10.548	105	691261	12.519	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.972	83	275929	10.076	ppbv		99
64) n-propylbenzene	10.995	120	178404	12.461	ppbv		99
65) tert-Butylbenzene	11.539	119	607057	12.865	ppbv		99
66) Benzyl Chloride	11.623	91	56239	12.827	ppbv		99
67) sec-Butylbenzene	11.775	105	896962	12.495	ppbv		100
69) p-Isopropyltoluene	11.934	119	726503	13.132	ppbv		99
70) n-Butylbenzene	12.286	91	766822	10.360	ppbv		100
71) 2-Chlorotoluene	10.908	91	522845	12.761	ppbv		99
72) 4-Ethyltoluene	11.131	105	585141	10.212	ppbv		100
73) 1,3,5-Trimethylbenzene	11.212	105	480708	12.818	ppbv		98
74) 1,2,4-Trimethylbenzene	11.545	105	555055	12.594	ppbv	#	85
75) 1,3-Dichlorobenzene	11.613	146	315272	11.284	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	314779	11.710	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	310827	11.026	ppbv		100
78) Hexachloro-1,3-Butadiene	13.889	225	176944	9.828	ppbv		99
79) Naphthalene	13.520	128	452592	9.778	ppbv		100
80) Naphthalene,2-methyl-	14.465	142	115977	8.078	ppbv		99
81) 1,2,4-Trichlorobenzene	13.445	180	221727	9.972	ppbv		99

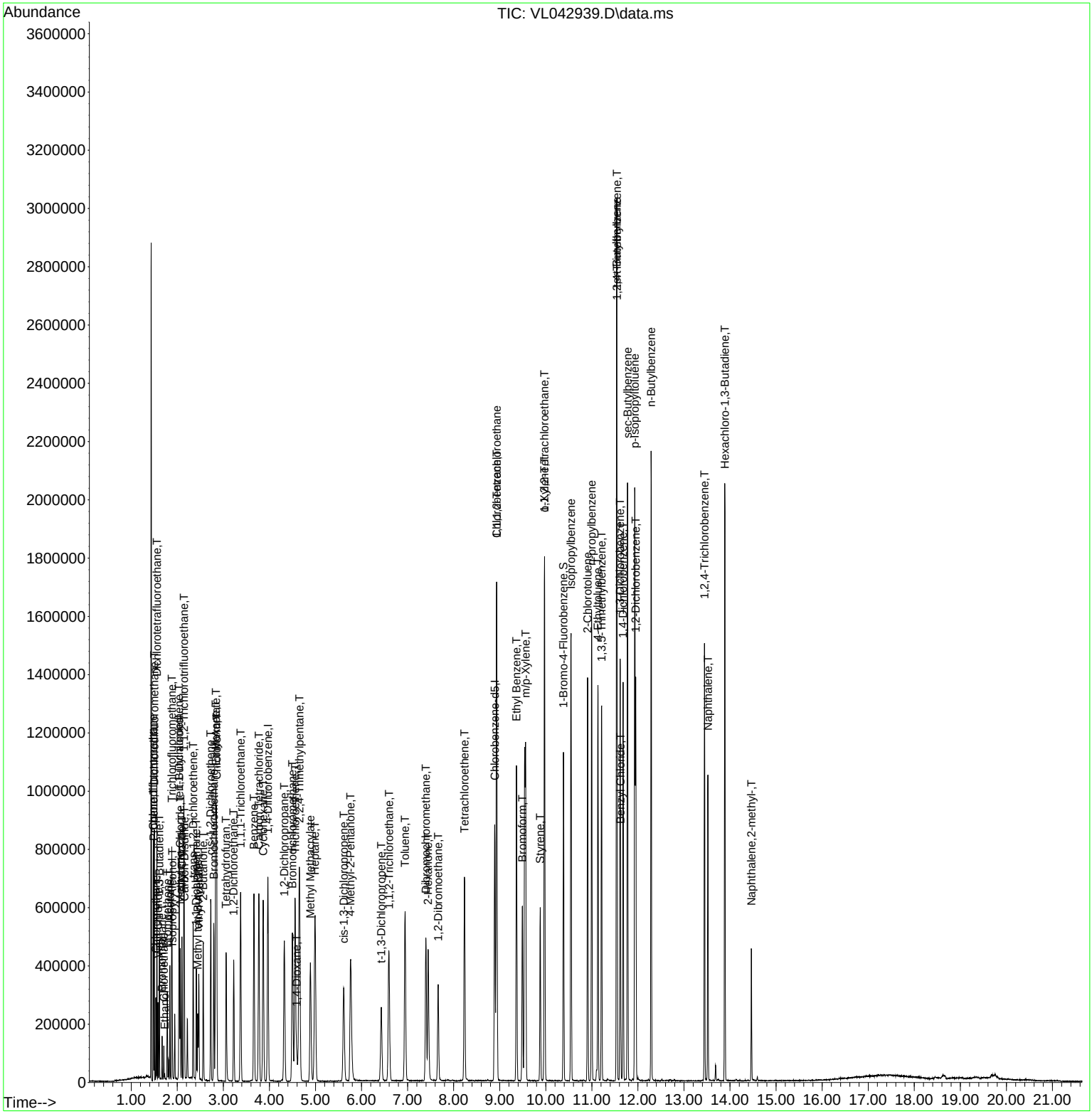
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042939.D
Acq On : 18 Sep 2025 09:38
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 19 01:21:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042939.D
Acq On : 18 Sep 2025 09:38
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Sep 19 01:21:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 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	98	0.00
2	T	Dichlorodifluoromethane	1.428	1.420	0.6	96	0.00
3		Chlorodifluoromethane	1.504	1.548	-2.9	102	0.00
4		Chloromethane	0.574	0.543	5.4	93	0.00
5	T	Vinyl Chloride	0.542	0.495	8.7	97	0.00
6	T	Bromomethane	0.188	0.181	3.7	93	0.00
7		Chloroethane	0.199	0.198	0.5	97	0.00
8	T	Dichlorotetrafluoroethane	1.133	1.112	1.9	95	0.00
9	T	Propene	0.549	0.619	-12.8	113	0.00
10	T	Heptane	1.361	1.624	-19.3	99	0.00
11	T	Trichlorofluoromethane	1.411	1.348	4.5	93	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.102	1.039	5.7	92	0.00
13		Ethanol	0.056	0.039#	30.4#	81	0.00
14	T	Bromoethene	0.393	0.365	7.1	92	0.00
15	T	Acetone	1.228	0.982	20.0	90	0.00
16	T	1,3-Butadiene	0.514	0.506	1.6	100	0.00
17		tert-Butyl alcohol	1.183	1.196	-1.1	100	0.00
18	T	1,1-Dichloroethene	0.483	0.468	3.1	94	0.00
19	T	Isopropyl Alcohol	0.659	0.633	3.9	96	0.00
20	T	Methylene Chloride	0.535	0.425	20.6	99	0.00
21	T	Allyl Chloride	0.833	0.815	2.2	97	0.00
22	T	trans-1,2-Dichloroethene	0.547	0.538	1.6	96	0.00
23	T	Vinyl Acetate	1.427	1.560	-9.3	103	0.00
24	T	1,1-Dichloroethane	1.080	1.065	1.4	95	0.00
25	T	Ethyl Acetate	2.623	2.915	-11.1	101	0.00
26	T	Hexane	1.126	1.301	-15.5	103	0.00
27	T	Carbon Disulfide	1.388	1.355	2.4	97	0.00
28	T	Methyl tert-Butyl Ether	0.619	0.596	3.7	95	0.00
29	T	Chloroform	1.840	1.899	-3.2	100	0.00
30	T	Cyclohexane	0.848	1.062	-25.2	103	0.00
31	T	cis-1,2-Dichloroethene	1.099	1.237	-12.6	106	0.00
32	T	1,1,1-Trichloroethane	1.721	1.766	-2.6	101	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
34	T	2-Butanone	0.648	0.699	-7.9	104	0.00
35	T	Carbon Tetrachloride	0.711	0.686	3.5	99	0.00
36	T	Benzene	0.872	0.959	-10.0	104	0.00
37	T	1,2-Dichloroethane	0.522	0.540	-3.4	103	0.00
38	T	Trichloroethene	0.395	0.404	-2.3	101	0.00
39	T	1,2-Dichloropropane	0.353	0.365	-3.4	102	0.00
40	T	1,4-Dioxane	0.125	0.134	-7.2	91	0.00
41	T	Tetrahydrofuran	0.321	0.385	-19.9	106	0.00
42	T	Bromodichloromethane	0.750	0.771	-2.8	101	0.00
43		Methyl Methacrylate	0.292	0.358	-22.6	104	0.00
44	T	2,2,4-Trimethylpentane	1.455	1.669	-14.7	99	0.00
45	T	t-1,3-Dichloropropene	0.308	0.369	-19.8	105	0.00
46	T	cis-1,3-Dichloropropene	0.425	0.501	-17.9	106	0.00
47	T	1,1,2-Trichloroethane	0.359	0.378	-5.3	101	0.00
48	T	Dibromochloromethane	0.563	0.587	-4.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042939.D
Acq On : 18 Sep 2025 09:38
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Sep 19 01:21:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 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	0.439	0.471	-7.3	100	0.00
50	T	4-Methyl-2-Pentanone	0.775	0.944	-21.8	101	0.00
51	T	2-Hexanone	0.576	0.737	-28.0	100	0.00
52	T	Tetrachloroethene	0.269	0.281	-4.5	101	0.00
53	T	Toluene	0.813	1.026	-26.2	103	0.00
54	T	1,2-Dibromoethane	0.462	0.508	-10.0	100	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
56		1,1,1,2-Tetrachloroethane	0.509	0.515	-1.2	97	0.00
57	T	Chlorobenzene	0.924	0.966	-4.5	99	0.00
58	T	Ethyl Benzene	1.288	1.661	-29.0	100	0.00
59	T	m/p-Xylene	1.089	1.387	-27.4	99	0.00
60	T	o-Xylene	1.082	1.403	-29.7	99	0.00
61	T	Styrene	0.403	0.572	-41.9#	102	0.00
62		Isopropylbenzene	1.577	1.974	-25.2	98	0.00
63	T	1,1,2,2-Tetrachloroethane	0.782	0.788	-0.8	97	0.00
64		n-propylbenzene	0.409	0.509	-24.4	98	0.00
65		tert-Butylbenzene	1.347	1.733	-28.7	98	0.00
66	T	Benzyl Chloride	0.125	0.161	-28.8	106	0.00
67		sec-Butylbenzene	2.050	2.561	-24.9	99	0.00
68	S	1-Bromo-4-Fluorobenzene	0.782	0.821	-5.0	97	0.00
69		p-Isopropyltoluene	1.580	2.075	-31.3#	100	0.00
70		n-Butylbenzene	1.661	2.190	-31.8#	97	0.00
71		2-Chlorotoluene	1.170	1.493	-27.6	98	0.00
72	T	4-Ethyltoluene	1.267	1.671	-31.9#	98	0.00
73	T	1,3,5-Trimethylbenzene	1.071	1.373	-28.2	97	0.00
74	T	1,2,4-Trimethylbenzene	1.258	1.585	-26.0	98	0.00
75	T	1,3-Dichlorobenzene	0.798	0.900	-12.8	99	0.00
76	T	1,4-Dichlorobenzene	0.768	0.899	-17.1	98	0.00
77	T	1,2-Dichlorobenzene	0.805	0.888	-10.3	98	0.00
78	T	Hexachloro-1,3-Butadiene	0.514	0.505	1.8	96	0.00
79	T	Naphthalene	0.849	1.292	-52.2#	95	0.00
80	T	Naphthalene,2-methyl-	0.275	0.331	-20.4	87	0.00
81	T	1,2,4-Trichlorobenzene	0.479	0.633	-32.2#	99	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\VL091825\
Data File : VL042939.D
Acq On : 18 Sep 2025 09:38
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Sep 19 01:21:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 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	98	0.00
2	T	Dichlorodifluoromethane	10.000	9.938	0.6	96	0.00
3		Chlorodifluoromethane	10.000	10.294	-2.9	102	0.00
4		Chloromethane	10.000	9.453	5.5	93	0.00
5	T	Vinyl Chloride	10.000	9.134	8.7	97	0.00
6	T	Bromomethane	10.000	9.593	4.1	93	0.00
7		Chloroethane	10.000	9.943	0.6	97	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.809	1.9	95	0.00
9	T	Propene	10.000	11.264	-12.6	113	0.00
10	T	Heptane	10.000	11.936	-19.4	99	0.00
11	T	Trichlorofluoromethane	10.000	9.551	4.5	93	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.428	5.7	92	0.00
13		Ethanol	10.000	6.961	30.4#	81	0.00
14	T	Bromoethene	10.000	9.303	7.0	92	0.00
15	T	Acetone	10.000	7.997	20.0	90	0.00
16	T	1,3-Butadiene	10.000	9.840	1.6	100	0.00
17		tert-Butyl alcohol	10.000	10.116	-1.2	100	0.00
18	T	1,1-Dichloroethene	10.000	9.708	2.9	94	0.00
19	T	Isopropyl Alcohol	10.000	9.607	3.9	96	0.00
20	T	Methylene Chloride	10.000	7.941	20.6	99	0.00
21	T	Allyl Chloride	10.000	9.783	2.2	97	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.842	1.6	96	0.00
23	T	Vinyl Acetate	10.000	10.931	-9.3	103	0.00
24	T	1,1-Dichloroethane	10.000	9.854	1.5	95	0.00
25	T	Ethyl Acetate	10.000	11.113	-11.1	101	0.00
26	T	Hexane	10.000	11.562	-15.6	103	0.00
27	T	Carbon Disulfide	10.000	9.762	2.4	97	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.628	3.7	95	0.00
29	T	Chloroform	10.000	10.322	-3.2	100	0.00
30	T	Cyclohexane	10.000	12.518	-25.2	103	0.00
31	T	cis-1,2-Dichloroethene	10.000	11.254	-12.5	106	0.00
32	T	1,1,1-Trichloroethane	10.000	10.257	-2.6	101	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
34	T	2-Butanone	10.000	10.777	-7.8	104	0.00
35	T	Carbon Tetrachloride	10.000	9.646	3.5	99	0.00
36	T	Benzene	10.000	10.998	-10.0	104	0.00
37	T	1,2-Dichloroethane	10.000	10.330	-3.3	103	0.00
38	T	Trichloroethene	10.000	10.227	-2.3	101	0.00
39	T	1,2-Dichloropropane	10.000	10.348	-3.5	102	0.00
40	T	1,4-Dioxane	10.000	10.678	-6.8	91	0.00
41	T	Tetrahydrofuran	10.000	12.000	-20.0	106	0.00
42	T	Bromodichloromethane	10.000	10.284	-2.8	101	0.00
43		Methyl Methacrylate	10.000	12.245	-22.4	104	0.00
44	T	2,2,4-Trimethylpentane	10.000	11.472	-14.7	99	0.00
45	T	t-1,3-Dichloropropene	10.000	11.989	-19.9	105	0.00
46	T	cis-1,3-Dichloropropene	10.000	11.808	-18.1	106	0.00
47	T	1,1,2-Trichloroethane	10.000	10.503	-5.0	101	0.00
48	T	Dibromochloromethane	10.000	10.426	-4.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042939.D
Acq On : 18 Sep 2025 09:38
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Sep 19 01:21:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 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	10.728	-7.3	100	0.00
50	T	4-Methyl-2-Pentanone	10.000	12.175	-21.8	101	0.00
51	T	2-Hexanone	10.000	12.811	-28.1	100	0.00
52	T	Tetrachloroethene	10.000	10.435	-4.4	101	0.00
53	T	Toluene	10.000	12.613	-26.1	103	0.00
54	T	1,2-Dibromoethane	10.000	10.975	-9.7	100	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	99	0.00
56		1,1,1,2-Tetrachloroethane	10.000	10.105	-1.1	97	0.00
57	T	Chlorobenzene	10.000	10.455	-4.6	99	0.00
58	T	Ethyl Benzene	10.000	12.894	-28.9	100	0.00
59	T	m/p-Xylene	20.000	25.483	-27.4	99	0.00
60	T	o-Xylene	10.000	12.961	-29.6	99	0.00
61	T	Styrene	10.000	10.204	-2.0	102	0.00
62		Isopropylbenzene	10.000	12.519	-25.2	98	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	10.076	-0.8	97	0.00
64		n-propylbenzene	10.000	12.461	-24.6	98	0.00
65		tert-Butylbenzene	10.000	12.865	-28.7	98	0.00
66	T	Benzyl Chloride	10.000	12.827	-28.3	106	0.00
67		sec-Butylbenzene	10.000	12.495	-24.9	99	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.498	-5.0	97	0.00
69		p-Isopropyltoluene	10.000	13.132	-31.3#	100	0.00
70		n-Butylbenzene	10.000	10.360	-3.6	97	0.00
71		2-Chlorotoluene	10.000	12.761	-27.6	98	0.00
72	T	4-Ethyltoluene	10.000	10.212	-2.1	98	0.00
73	T	1,3,5-Trimethylbenzene	10.000	12.818	-28.2	97	0.00
74	T	1,2,4-Trimethylbenzene	10.000	12.594	-25.9	98	0.00
75	T	1,3-Dichlorobenzene	10.000	11.284	-12.8	99	0.00
76	T	1,4-Dichlorobenzene	10.000	11.710	-17.1	98	0.00
77	T	1,2-Dichlorobenzene	10.000	11.026	-10.3	98	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	9.828	1.7	96	0.00
79	T	Naphthalene	10.000	9.778	2.2	95	0.00
80	T	Naphthalene,2-methyl-	10.000	8.078	19.2	87	0.00
81	T	1,2,4-Trichlorobenzene	10.000	9.972	0.3	99	0.00

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042940.D
Acq On : 18 Sep 2025 11:01
Operator : SY/MD
Sample : VL0918ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABL01

Quant Time: Sep 19 01:22:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

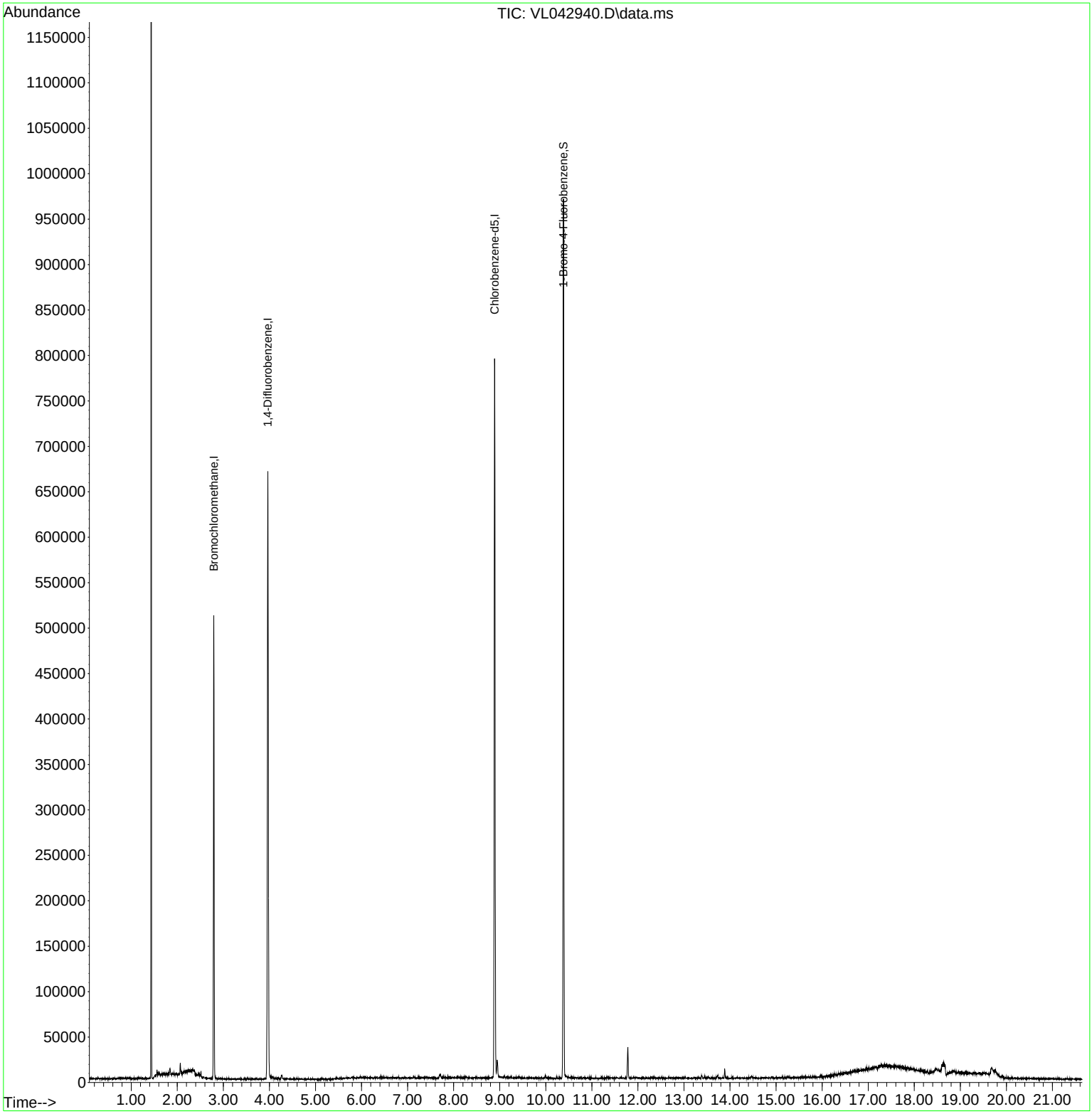
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	148160	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	363124	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	306480	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	229711	9.589	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.900%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042940.D
Acq On : 18 Sep 2025 11:01
Operator : SY/MD
Sample : VL0918ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABL01

Quant Time: Sep 19 01:22:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042942.D
Acq On : 18 Sep 2025 12:14
Operator : SY/MD
Sample : QC091125 CAN 10060
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC091125 CAN 10060

Quant Time: Sep 19 01:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

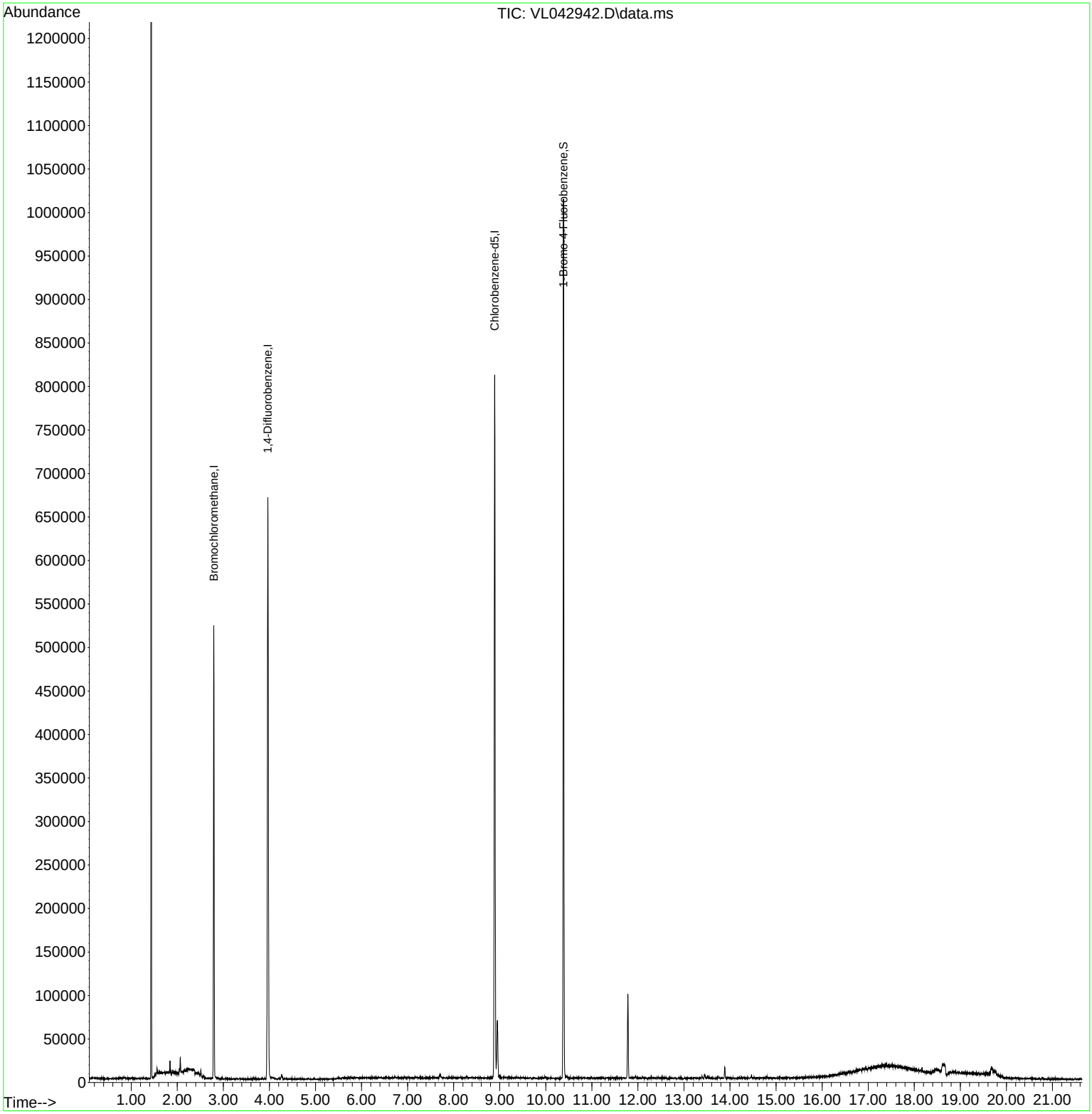
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	151587	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	376783	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	311904	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	236215	9.689	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.900%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042942.D
Acq On : 18 Sep 2025 12:14
Operator : SY/MD
Sample : QC091125 CAN 10060
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC091125 CAN 10060

Quant Time: Sep 19 01:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042943.D
Acq On : 18 Sep 2025 12:49
Operator : SY/MD
Sample : VL0918ABS02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 19 01:24:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	157147	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	398112	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.889	117	342230	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	281987	10.542	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	221614	9.873	ppbv	98
3) Chlorodifluoromethane	1.477	51	237059	10.031	ppbv	100
4) Chloromethane	1.535	50	88001	9.755	ppbv	99
5) Vinyl Chloride	1.580	62	75659	8.890	ppbv	97
6) Bromomethane	1.668	94	28772	9.729	ppbv	93
7) Chloroethane	1.706	64	30707	9.796	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	173736	9.755	ppbv	99
9) Propene	1.483	41	87615	10.152	ppbv	99
10) Heptane	4.985	43	247851	11.590	ppbv	98
11) Trichlorofluoromethane	1.878	101	214280	9.663	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	167632	9.676	ppbv	100
13) Ethanol	1.723	45	7358	8.362	ppbv	95
14) Bromoethene	1.784	108	58670	9.506	ppbv	98
15) Acetone	1.836	43	164049	8.499	ppbv	100
16) 1,3-Butadiene	1.609	39	75881	9.398	ppbv	100
17) tert-Butyl alcohol	2.040	59	179502	9.658	ppbv	99
18) 1,1-Dichloroethene	2.037	96	75279	9.927	ppbv	94
19) Isopropyl Alcohol	1.888	45	99744	9.638	ppbv	100
20) Methylene Chloride	2.062	84	65464	7.790	ppbv	97
21) Allyl Chloride	2.098	41	125866	9.620	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	84718	9.856	ppbv	92
23) Vinyl Acetate	2.464	43	234952	10.476	ppbv	99
24) 1,1-Dichloroethane	2.412	63	167118	9.843	ppbv	99
25) Ethyl Acetate	2.836	43	445635	10.812	ppbv	100
26) Hexane	2.830	57	196952	11.134	ppbv	98
27) Carbon Disulfide	2.153	76	213020	9.764	ppbv	97
28) Methyl tert-Butyl Ether	2.441	73	92298	9.496	ppbv	99
29) Chloroform	2.849	83	291292	10.075	ppbv	96
30) Cyclohexane	3.862	84	156833	11.769	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	180628	10.459	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	268252	9.916	ppbv	99
34) 2-Butanone	2.558	43	275491	10.675	ppbv	99
35) Carbon Tetrachloride	3.765	117	278532	9.842	ppbv	99
36) Benzene	3.661	78	375346	10.809	ppbv	99
37) 1,2-Dichloroethane	3.221	62	218301	10.496	ppbv	99
38) Trichloroethene	4.551	130	165317	10.517	ppbv	97
39) 1,2-Dichloropropane	4.318	63	147865	10.536	ppbv	97
40) 1,4-Dioxane	4.584	88	57905	11.625	ppbv #	96
41) Tetrahydrofuran	3.056	42	150133	11.755	ppbv	100
42) Bromodichloromethane	4.493	83	311531	10.438	ppbv	97
43) Methyl Methacrylate	4.885	69	141275	12.151	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	676730	11.684	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	143251	11.685	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042943.D
Acq On : 18 Sep 2025 12:49
Operator : SY/MD
Sample : VL0918ABS02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 19 01:24:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.607	75	192317	11.379	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	147521	10.309	ppbv	95
48) Dibromochloromethane	7.390	129	236633	10.558	ppbv	99
49) Bromoform	9.487	173	190569	10.894	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	383141	12.417	ppbv	100
51) 2-Hexanone	7.442	43	301477	13.156	ppbv	99
52) Tetrachloroethene	8.231	164	111470	10.410	ppbv	95
53) Toluene	6.940	91	405706	12.529	ppbv	99
54) 1,2-Dibromoethane	7.659	107	203289	11.043	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	180415	10.348	ppbv	99
57) Chlorobenzene	8.927	112	333331	10.538	ppbv	98
58) Ethyl Benzene	9.361	91	575762	13.059	ppbv	99
59) m/p-Xylene	9.555	91	960501m	25.779	ppbv	
60) o-Xylene	9.970	91	482682	13.030	ppbv	99
61) Styrene	9.876	104	188516	9.850	ppbv	99
62) Isopropylbenzene	10.542	105	675382	12.516	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	277312	10.363	ppbv	98
64) n-propylbenzene	10.992	120	175243	12.526	ppbv	99
65) tert-Butylbenzene	11.536	119	602619	13.069	ppbv	100
66) Benzyl Chloride	11.617	91	53684	12.529	ppbv	98
67) sec-Butylbenzene	11.769	105	880638	12.553	ppbv	100
69) p-Isopropyltoluene	11.928	119	706403	13.066	ppbv	99
70) n-Butylbenzene	12.284	91	758319	10.480	ppbv	100
71) 2-Chlorotoluene	10.905	91	513816	12.833	ppbv	99
72) 4-Ethyltoluene	11.128	105	573658	10.243	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	476027	12.989	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	547542	12.713	ppbv	92
75) 1,3-Dichlorobenzene	11.611	146	311816	11.420	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	307014	11.688	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	305054	11.073	ppbv	99
78) Hexachloro-1,3-Butadiene	13.883	225	179681	10.213	ppbv	100
79) Naphthalene	13.514	128	461409	10.182	ppbv	99
80) Naphthalene,2-methyl-	14.459	142	127799	9.012	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	219805	10.109	ppbv	99

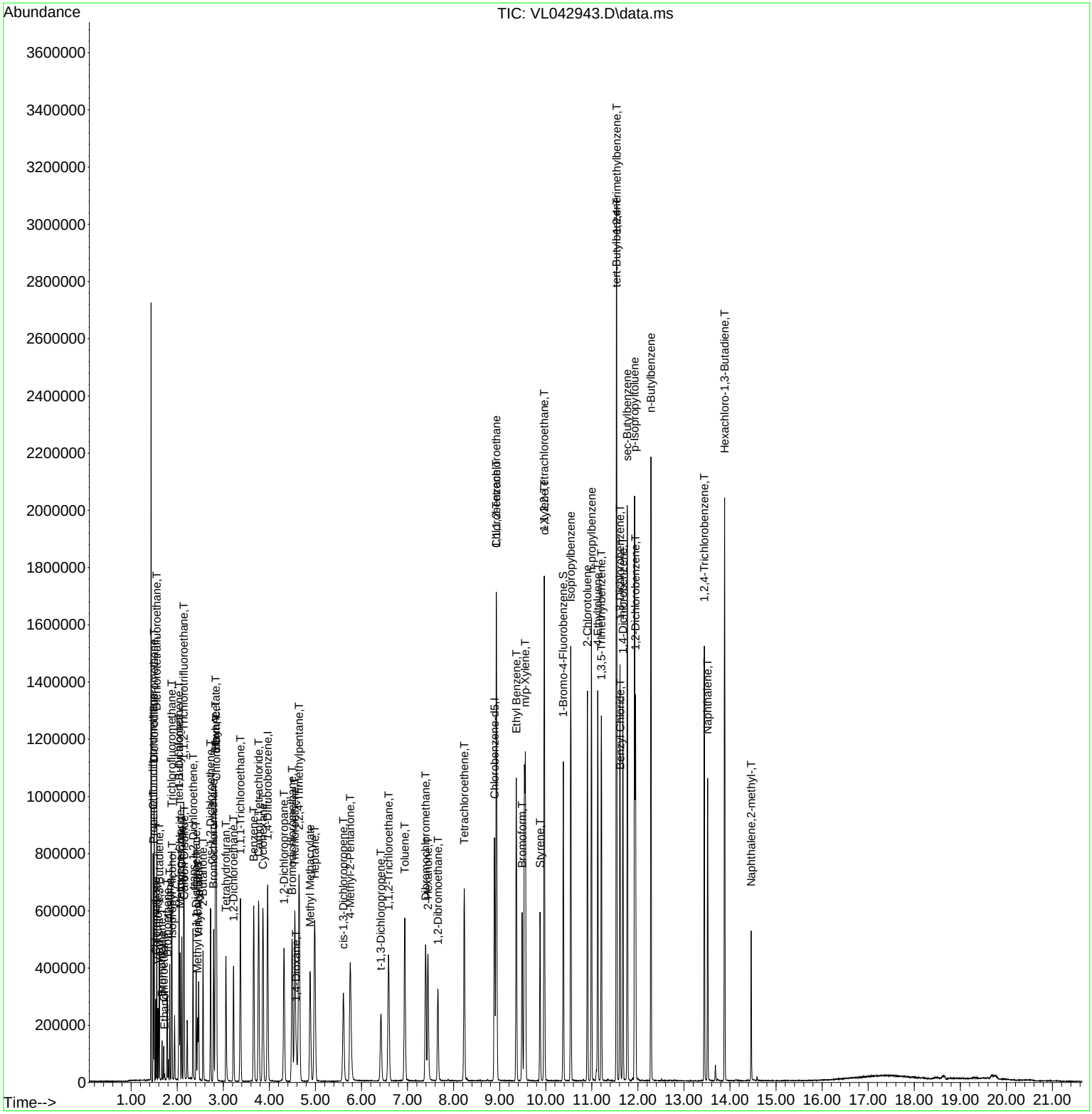
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042943.D
Acq On : 18 Sep 2025 12:49
Operator : SY/MD
Sample : VL0918ABS02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 19 01:24:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS02

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



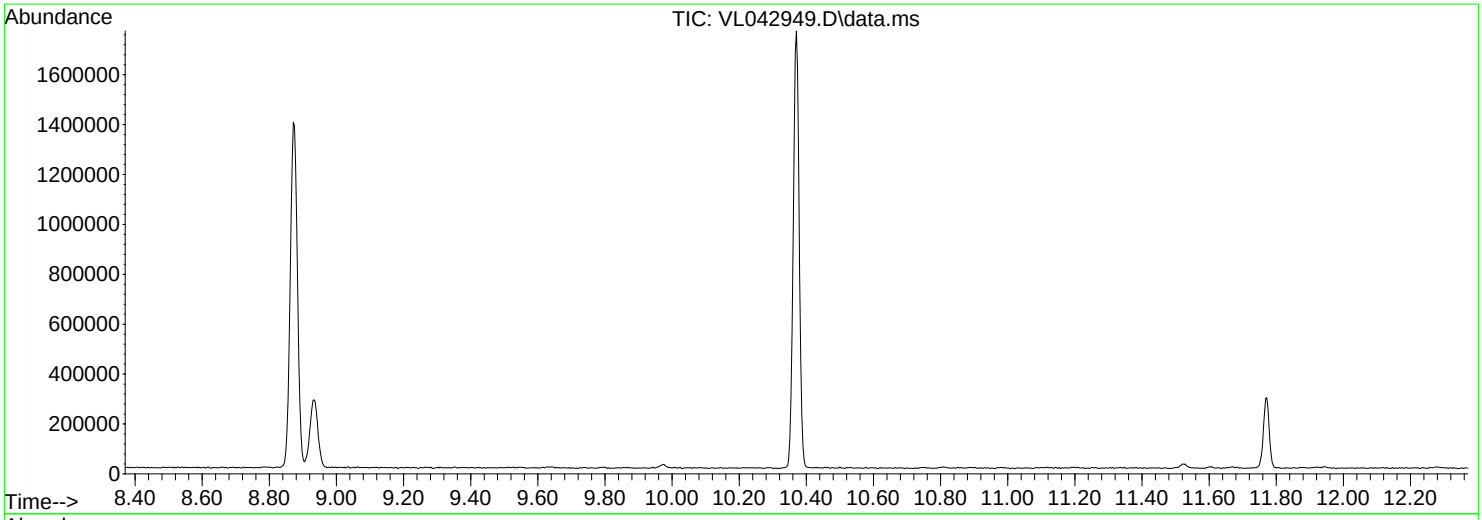
BFB

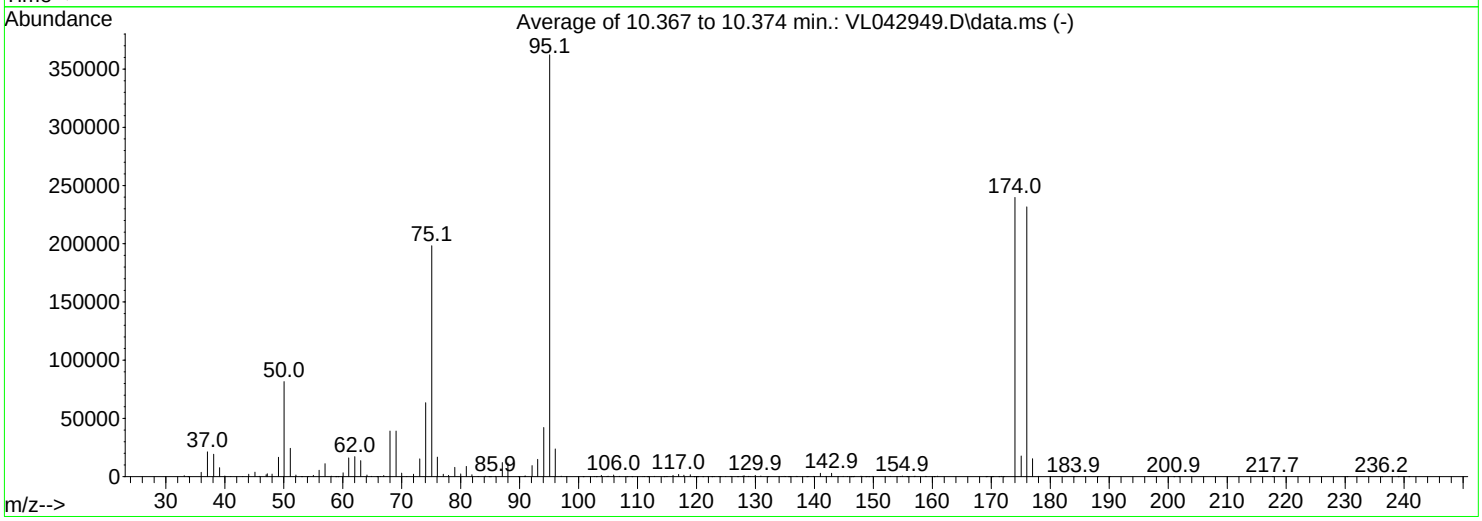
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042949.D
Acq On : 22 Sep 2025 08:55
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Tue Sep 23 02:39:16 2025





AutoFind: Scans 3176, 3177, 3178; Background Corrected with Scan 3156

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.5	81605	PASS
75	95	30	66	54.7	198315	PASS
95	95	100	100	100.0	362228	PASS
96	95	5	9	6.6	23817	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	66.2	239765	PASS
175	174	4	9	7.4	17693	PASS
176	174	93	101	96.6	231701	PASS
177	176	5	9	6.6	15367	PASS

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL092225AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Tue Sep 23 02:39:16 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042955.D 0.1 =VL042954.D 0.5 =VL042953.D 1 =VL042952.D 2 =VL042951.D 10 =VL042950.D 15 =VL042956.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.391	1.452	1.401	1.248	1.232	1.345	7.33
3)		Chlorodifluoro...			1.782	1.821	1.710	1.574	1.494	1.676	8.27
4)		Chloromethane			0.693	0.622	0.624	0.560	0.545	0.609	9.66
5)	T	Vinyl Chloride	0.729	0.562	0.529	0.567	0.524	0.470	0.472	0.550	15.95
6)	T	Bromomethane			0.224	0.215	0.200	0.166	0.167	0.194	13.76
7)		Chloroethane			0.234	0.238	0.212	0.196	0.189	0.214	10.33
8)	T	Dichlorotetraf...			1.227	1.239	1.180	1.047	1.047	1.148	8.24
9)	T	Propene			0.784	0.787	0.762	0.684	0.631	0.729	9.47
10)	T	Heptane			2.102	2.060	1.961	1.870	1.738	1.946	7.57
11)	T	Trichlorofluor...			1.354	1.376	1.346	1.199	1.210	1.297	6.58
12)	T	1,1,2-Trichlor...			1.130	1.117	1.068	0.963	0.973	1.050	7.48
13)		Ethanol			0.076	0.090	0.088	0.053	0.047	0.071	27.75
14)	T	Bromoethene			0.430	0.417	0.415	0.362	0.362	0.397	8.23
15)	T	Acetone			1.490	1.552	1.475	0.993	1.002	1.302	21.48
16)	T	1,3-Butadiene			0.751	0.675	0.607	0.520	0.519	0.614	16.41
17)		tert-Butyl alc...			1.587	1.544	1.398	1.351	1.262	1.429	9.47
18)	T	1,1-Dichloroet...			0.549	0.503	0.485	0.446	0.447	0.486	8.86
19)	T	Isopropyl Alcohol			0.898	0.813	0.818	0.718	0.667	0.783	11.61
20)	T	Methylene Chlo...			0.832	0.617	0.510	0.388	0.380	0.545	34.40
21)	T	Allyl Chloride			0.904	0.971	0.966	0.857	0.837	0.907	6.72
22)	T	trans-1,2-Dich...			0.589	0.612	0.556	0.507	0.499	0.552	8.98
23)	T	Vinyl Acetate			2.208	1.897	1.888	1.594	1.716	1.861	12.45
24)	T	1,1-Dichloroet...			1.147	1.172	1.109	0.993	0.996	1.083	7.76
25)	T	Ethyl Acetate			3.405	3.494	3.443	3.153	2.966	3.292	6.83
26)	T	Hexane			1.621	1.614	1.553	1.398	1.317	1.501	9.08
27)	T	Carbon Disulfide			1.395	1.436	1.396	1.271	1.232	1.346	6.59
28)	T	Methyl tert-Bu...			0.953	0.773	0.742	0.638	0.794	0.780	14.61
29)	T	Chloroform			2.078	2.042	2.038	1.848	1.804	1.962	6.42
30)	T	Cyclohexane			1.312	1.333	1.280	1.193	1.154	1.255	6.19
31)	T	cis-1,2-Dichlo...			1.443	1.464	1.465	1.357	1.300	1.406	5.26
32)	T	1,1,1-Trichlor...	2.724	2.087	2.017	2.164	2.071	1.902	1.868	2.119	13.51
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.744	0.731	0.741	0.655	0.633	0.701	7.52
35)	T	Carbon Tetrach...	0.734	0.616	0.660	0.665	0.657	0.610	0.617	0.651	6.63
36)	T	Benzene			0.974	0.970	0.972	0.898	0.881	0.939	4.84
37)	T	1,2-Dichloroet...			0.502	0.517	0.507	0.470	0.473	0.494	4.28
38)	T	Trichloroethene	0.527	0.495	0.481	0.467	0.452	0.426	0.419	0.467	8.20
39)	T	1,2-Dichloropr...			0.344	0.361	0.356	0.327	0.325	0.343	4.85

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL092225AIR.M

40)	T	1,4-Dioxane			0.173	0.172	0.163	0.148	0.141	0.159	8.95
41)	T	Tetrahydrofuran			0.427	0.407	0.419	0.389	0.372	0.403	5.57
42)	T	Bromodichlorom...			0.689	0.699	0.702	0.681	0.667	0.688	2.07
43)		Methyl Methacr...			0.406	0.396	0.396	0.368	0.355	0.384	5.61
44)	T	2,2,4-Trimethy...			1.705	1.660	1.690	1.563	1.492	1.622	5.64
45)	T	t-1,3-Dichloro...			0.403	0.414	0.421	0.409	0.402	0.410	1.99
46)	T	cis-1,3-Dichlo...			0.522	0.528	0.537	0.523	0.501	0.522	2.55
47)	T	1,1,2-Trichlor...			0.382	0.377	0.371	0.344	0.336	0.362	5.70
48)	T	Dibromochlorom...			0.572	0.586	0.600	0.571	0.568	0.580	2.36
49)	T	Bromoform			0.477	0.507	0.534	0.508	0.495	0.504	4.18
50)	T	4-Methyl-2-Pen...			0.928	0.949	0.988	0.934	0.897	0.939	3.51
51)	T	2-Hexanone			0.719	0.774	0.769	0.751	0.730	0.749	3.19
52)	T	Tetrachloroethene	0.436	0.404	0.356	0.355	0.351	0.325	0.315	0.363	11.76
53)	T	Toluene			1.155	1.137	1.156	1.078	1.031	1.111	4.95
54)	T	1,2-Dibromoethane		0.520	0.520	0.520	0.525	0.490	0.485	0.510	3.47
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.497	0.486	0.505	0.458	0.447	0.479	5.28
57)	T	Chlorobenzene			0.968	0.978	0.944	0.853	0.822	0.913	7.75
58)	T	Ethyl Benzene			1.657	1.715	1.737	1.570	1.531	1.642	5.45
59)	T	m/p-Xylene			1.332	1.365	1.361	1.225	1.190	1.295	6.29
60)	T	o-Xylene			1.335	1.379	1.359	1.221	1.176	1.294	6.96
61)	T	Styrene			0.605	0.619	0.648	0.602	0.585	0.612	3.89
62)		Isopropylbenzene			2.010	2.059	2.028	1.803	1.744	1.929	7.49
63)	T	1,1,2,2-Tetrac...	0.806	0.722	0.688	0.675	0.673	0.610	0.586	0.680	10.66
64)		n-propylbenzene			0.531	0.529	0.523	0.473	0.463	0.504	6.51
65)		tert-Butylbenzene			1.836	1.839	1.842	1.557	1.503	1.715	9.91
66)	T	Benzyl Chloride			0.170	0.173	0.196	0.195	0.165	0.180	8.14
67)		sec-Butylbenzene			2.508	2.559	2.579	2.191	2.115	2.390	9.19
68)	S	1-Bromo-4-Fluo...	0.736	0.738	0.749	0.743	0.747	0.763	0.750	0.746	1.20
69)		p-Isopropyltol...			2.105	2.168	2.179	1.856	1.788	2.019	9.11
70)		n-Butylbenzene			1.929	2.108	2.136	1.881	1.803	1.971	7.36
71)		2-Chlorotoluene			1.543	1.504	1.528	1.373	1.333	1.456	6.61
72)	T	4-Ethyltoluene			1.715	1.686	1.703	1.523	1.476	1.621	6.92
73)	T	1,3,5-Trimethy...			1.333	1.346	1.399	1.263	1.231	1.314	5.12
74)	T	1,2,4-Trimethy...			1.534	1.522	1.558	1.349	1.294	1.451	8.34
75)	T	1,3-Dichlorobe...			0.918	0.954	0.956	0.845	0.827	0.900	6.72
76)	T	1,4-Dichlorobe...			0.922	0.914	0.959	0.845	0.829	0.894	6.12
77)	T	1,2-Dichlorobe...			0.874	0.914	0.918	0.796	0.780	0.856	7.61
78)	T	Hexachloro-1,3...			0.755	0.742	0.728	0.575	0.549	0.670	14.79
79)	T	Naphthalene		1.093	1.102	1.320	1.474	1.373	1.339	1.283	11.96
80)	T	Naphthalene,2-...			0.384	0.365	0.428	0.402	0.404	0.396	5.94
81)	T	1,2,4-Trichlor...			0.557	0.691	0.777	0.718	0.689	0.686	11.73

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042950.D
Acq On : 22 Sep 2025 09:39
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:08:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	170899	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	526679	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	486724	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	371195	10.217	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	213351	9.282	ppbv	100
3) Chlorodifluoromethane	1.473	51	269073	9.392	ppbv	100
4) Chloromethane	1.531	50	95679	9.196	ppbv	100
5) Vinyl Chloride	1.577	62	80350	8.543	ppbv	100
6) Bromomethane	1.667	94	28301	8.530	ppbv	100
7) Chloroethane	1.703	64	33446	9.158	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	178992	9.122	ppbv	100
9) Propene	1.483	41	116849	9.376	ppbv	100
10) Heptane	4.969	43	319577	9.560	ppbv	100
11) Trichlorofluoromethane	1.874	101	204850	9.243	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	164598	9.171	ppbv	100
13) Ethanol	1.719	45	9094	7.613	ppbv	100
14) Bromoethene	1.780	108	61824	9.111	ppbv	100
15) Acetone	1.832	43	169676	7.623	ppbv	100
16) 1,3-Butadiene	1.606	39	88812	8.459	ppbv	100
17) tert-Butyl alcohol	2.036	59	230853	9.456	ppbv	100
18) 1,1-Dichloroethene	2.030	96	76184	9.170	ppbv	100
19) Isopropyl Alcohol	1.884	45	122753	9.174	ppbv	100
20) Methylene Chloride	2.059	84	66314	9.992	ppbv	100
21) Allyl Chloride	2.094	41	146473	9.449	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	86580	9.172	ppbv	100
23) Vinyl Acetate	2.460	43	272378	8.566	ppbv	100
24) 1,1-Dichloroethane	2.405	63	169721	9.168	ppbv	100
25) Ethyl Acetate	2.829	43	538761	9.577	ppbv	100
26) Hexane	2.823	57	238896	9.316	ppbv	100
27) Carbon Disulfide	2.146	76	217259	9.446	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	108987	8.176	ppbv	100
29) Chloroform	2.845	83	315779	9.418	ppbv	100
30) Cyclohexane	3.852	84	203803	9.506	ppbv	100
31) cis-1,2-Dichloroethene	2.716	61	231907	9.654	ppbv	100
32) 1,1,1-Trichloroethane	3.363	97	325118	8.947	ppbv	100
34) 2-Butanone	2.551	43	344874	9.343	ppbv	100
35) Carbon Tetrachloride	3.755	117	321267	9.480	ppbv	100
36) Benzene	3.651	78	472855	9.561	ppbv	100
37) 1,2-Dichloroethane	3.214	62	247754	9.525	ppbv	100
38) Trichloroethene	4.541	130	224516	9.134	ppbv	100
39) 1,2-Dichloropropane	4.305	63	172059	9.523	ppbv	100
40) 1,4-Dioxane	4.570	88	77889	9.283	ppbv #	100
41) Tetrahydrofuran	3.046	42	204724	9.649	ppbv	100
42) Bromodichloromethane	4.480	83	358858	9.903	ppbv	100
43) Methyl Methacrylate	4.871	69	193676	9.646	ppbv	100
44) 2,2,4-Trimethylpentane	4.632	57	823031	9.631	ppbv	100
45) t-1,3-Dichloropropene	6.406	75	215233	9.969	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042950.D
Acq On : 22 Sep 2025 09:39
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:08:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	275210	10.006	ppbv		100
47) 1,1,2-Trichloroethane	6.571	97	181329	9.498	ppbv		100
48) Dibromochloromethane	7.383	129	300497	9.845	ppbv		100
49) Bromoform	9.480	173	267814	10.087	ppbv		100
50) 4-Methyl-2-Pentanone	5.736	43	492068	9.920	ppbv		100
51) 2-Hexanone	7.428	43	395744	10.036	ppbv	#	100
52) Tetrachloroethene	8.218	164	171294	8.951	ppbv		100
53) Toluene	6.923	91	567779	9.699	ppbv		100
54) 1,2-Dibromoethane	7.645	107	257904	9.605	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.921	131	223066	9.575	ppbv		100
57) Chlorobenzene	8.917	112	415238	9.345	ppbv		100
58) Ethyl Benzene	9.348	91	764249	9.562	ppbv		100
59) m/p-Xylene	9.526	91	1192566m	18.913	ppbv		
60) o-Xylene	9.959	91	594329	9.437	ppbv		100
61) Styrene	9.866	104	293111	9.840	ppbv		100
62) Isopropylbenzene	10.536	105	877401	9.347	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.956	83	296678	8.963	ppbv		100
64) n-propylbenzene	10.985	120	230432	9.394	ppbv		100
65) tert-Butylbenzene	11.526	119	757958	9.078	ppbv		100
66) Benzyl Chloride	11.610	91	94982	10.842	ppbv		100
67) sec-Butylbenzene	11.762	105	1066409	9.166	ppbv		100
69) p-Isopropyltoluene	11.921	119	903376	9.192	ppbv		100
70) n-Butylbenzene	12.277	91	915624	9.543	ppbv		100
71) 2-Chlorotoluene	10.895	91	668239	9.428	ppbv		100
72) 4-Ethyltoluene	11.121	105	741298	9.398	ppbv		100
73) 1,3,5-Trimethylbenzene	11.199	105	614632	9.608	ppbv		100
74) 1,2,4-Trimethylbenzene	11.532	105	656535	9.294	ppbv		100
75) 1,3-Dichlorobenzene	11.604	146	411473	9.392	ppbv		100
76) 1,4-Dichlorobenzene	11.668	146	411464	9.456	ppbv		100
77) 1,2-Dichlorobenzene	11.944	146	387219	9.289	ppbv		100
78) Hexachloro-1,3-Butadiene	13.876	225	280080	8.591	ppbv		100
79) Naphthalene	13.510	128	668171	10.696	ppbv		100
80) Naphthalene,2-methyl-	14.452	142	195695	10.142	ppbv		100
81) 1,2,4-Trichlorobenzene	13.436	180	349393	10.461	ppbv		100

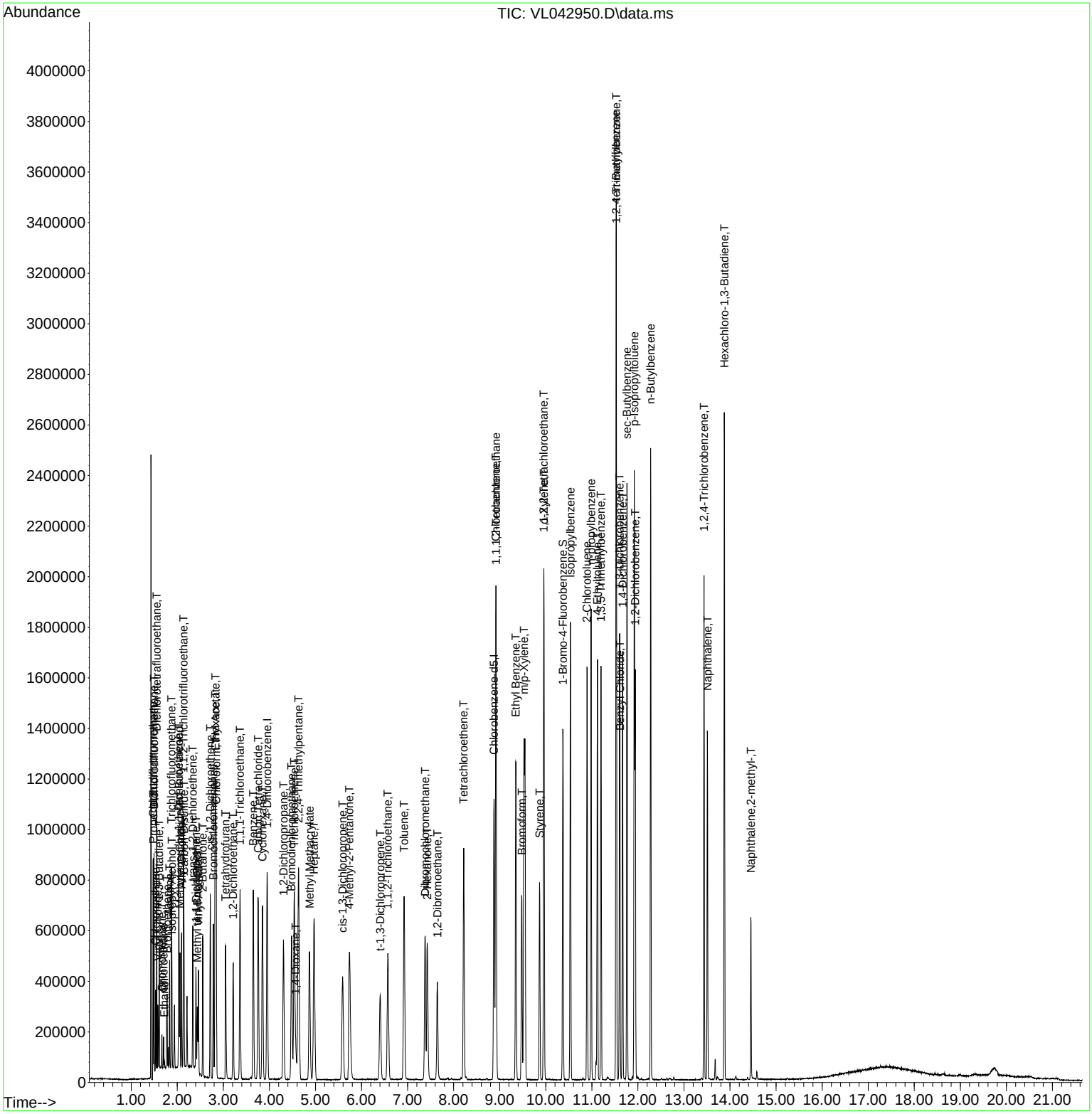
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042950.D
Acq On : 22 Sep 2025 09:39
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:08:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042951.D
Acq On : 22 Sep 2025 10:14
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	170758	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	524389	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	483821	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	361586	10.012	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	47851	2.083	ppbv		97
3) Chlorodifluoromethane	1.476	51	58395	2.040	ppbv		95
4) Chloromethane	1.534	50	21326	2.051	ppbv		99
5) Vinyl Chloride	1.580	62	17892	1.904	ppbv		98
6) Bromomethane	1.667	94	6816	2.056	ppbv		96
7) Chloroethane	1.706	64	7250	1.987	ppbv	#	85
8) Dichlorotetrafluoroethane	1.554	85	40306	2.056	ppbv		98
9) Propene	1.483	41	26007	2.088	ppbv		99
10) Heptane	4.978	43	66978	2.005	ppbv		99
11) Trichlorofluoromethane	1.877	101	45973	2.076	ppbv		94
12) 1,1,2-Trichlorotrifluo...	2.140	101	36490	2.035	ppbv		98
13) Ethanol	1.722	45	2989	2.504	ppbv		93
14) Bromoethene	1.784	108	14189	2.093	ppbv	#	96
15) Acetone	1.835	43	50357	2.264	ppbv		99
16) 1,3-Butadiene	1.609	39	20729	1.976	ppbv		94
17) tert-Butyl alcohol	2.042	59	47749	1.957	ppbv	#	93
18) 1,1-Dichloroethene	2.036	96	16572	1.996	ppbv		95
19) Isopropyl Alcohol	1.887	45	27930	2.089	ppbv	#	79
20) Methylene Chloride	2.062	84	17413	2.097	ppbv	#	84
21) Allyl Chloride	2.098	41	32985	2.130	ppbv		99
22) trans-1,2-Dichloroethene	2.340	96	18991	2.013	ppbv		98
23) Vinyl Acetate	2.463	43	64479	2.029	ppbv	#	98
24) 1,1-Dichloroethane	2.408	63	37865	2.047	ppbv		99
25) Ethyl Acetate	2.835	43	117567	2.092	ppbv		99
26) Hexane	2.826	57	53034	2.070	ppbv		98
27) Carbon Disulfide	2.153	76	47660	2.074	ppbv	#	60
28) Methyl tert-Butyl Ether	2.441	73	25348	1.903	ppbv		92
29) Chloroform	2.848	83	69599	2.077	ppbv		96
30) Cyclohexane	3.855	84	43725	2.041	ppbv		99
31) cis-1,2-Dichloroethene	2.719	61	50019	2.084	ppbv		95
32) 1,1,1-Trichloroethane	3.366	97	70729	1.948	ppbv		97
34) 2-Butanone	2.557	43	77689	2.114	ppbv		98
35) Carbon Tetrachloride	3.761	117	68858	2.041	ppbv		95
36) Benzene	3.658	78	101901	2.069	ppbv		97
37) 1,2-Dichloroethane	3.217	62	53130	2.052	ppbv		98
38) Trichloroethene	4.548	130	47424	1.938	ppbv		94
39) 1,2-Dichloropropane	4.308	63	37381m	2.078	ppbv		
40) 1,4-Dioxane	4.586	88	17074m	2.044	ppbv		
41) Tetrahydrofuran	3.056	42	43962	2.081	ppbv		98
42) Bromodichloromethane	4.486	83	73675	2.042	ppbv		98
43) Methyl Methacrylate	4.881	69	41527	2.077	ppbv		99
44) 2,2,4-Trimethylpentane	4.638	57	177242	2.083	ppbv		99
45) t-1,3-Dichloropropene	6.415	75	44171	2.055	ppbv		91

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042951.D
Acq On : 22 Sep 2025 10:14
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	56335	2.057	ppbv	97
47) 1,1,2-Trichloroethane	6.577	97	38961m	2.050	ppbv	
48) Dibromochloromethane	7.383	129	62968	2.072	ppbv	98
49) Bromoform	9.480	173	56021	2.119	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	103605m	2.098	ppbv	
51) 2-Hexanone	7.438	43	80620	2.053	ppbv	99
52) Tetrachloroethene	8.224	164	36853	1.934	ppbv	94
53) Toluene	6.933	91	121268	2.081	ppbv	100
54) 1,2-Dibromoethane	7.652	107	55022	2.058	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.920	131	48901	2.112	ppbv	98
57) Chlorobenzene	8.924	112	91325	2.068	ppbv	94
58) Ethyl Benzene	9.354	91	168063	2.115	ppbv	99
59) m/p-Xylene	9.532	91	263362m	4.202	ppbv	
60) o-Xylene	9.963	91	131507	2.101	ppbv	98
61) Styrene	9.869	104	62748	2.119	ppbv	98
62) Isopropylbenzene	10.539	105	196198	2.103	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	65089	1.978	ppbv	98
64) n-propylbenzene	10.985	120	50569	2.074	ppbv	93
65) tert-Butylbenzene	11.529	119	178218	2.147	ppbv	98
66) Benzyl Chloride	11.613	91	18992	2.181	ppbv	98
67) sec-Butylbenzene	11.765	105	249510	2.158	ppbv	100
69) p-Isopropyltoluene	11.924	119	210808	2.158	ppbv	97
70) n-Butylbenzene	12.280	91	206691	2.167	ppbv	100
71) 2-Chlorotoluene	10.898	91	147901	2.099	ppbv	100
72) 4-Ethyltoluene	11.124	105	164770	2.102	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	135344	2.128	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	150772	2.147	ppbv	98
75) 1,3-Dichlorobenzene	11.607	146	92487	2.124	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	92794	2.145	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	88825	2.144	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	70481	2.175	ppbv	99
79) Naphthalene	13.510	128	142653	2.297	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	41369	2.157	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	75139	2.263	ppbv	99

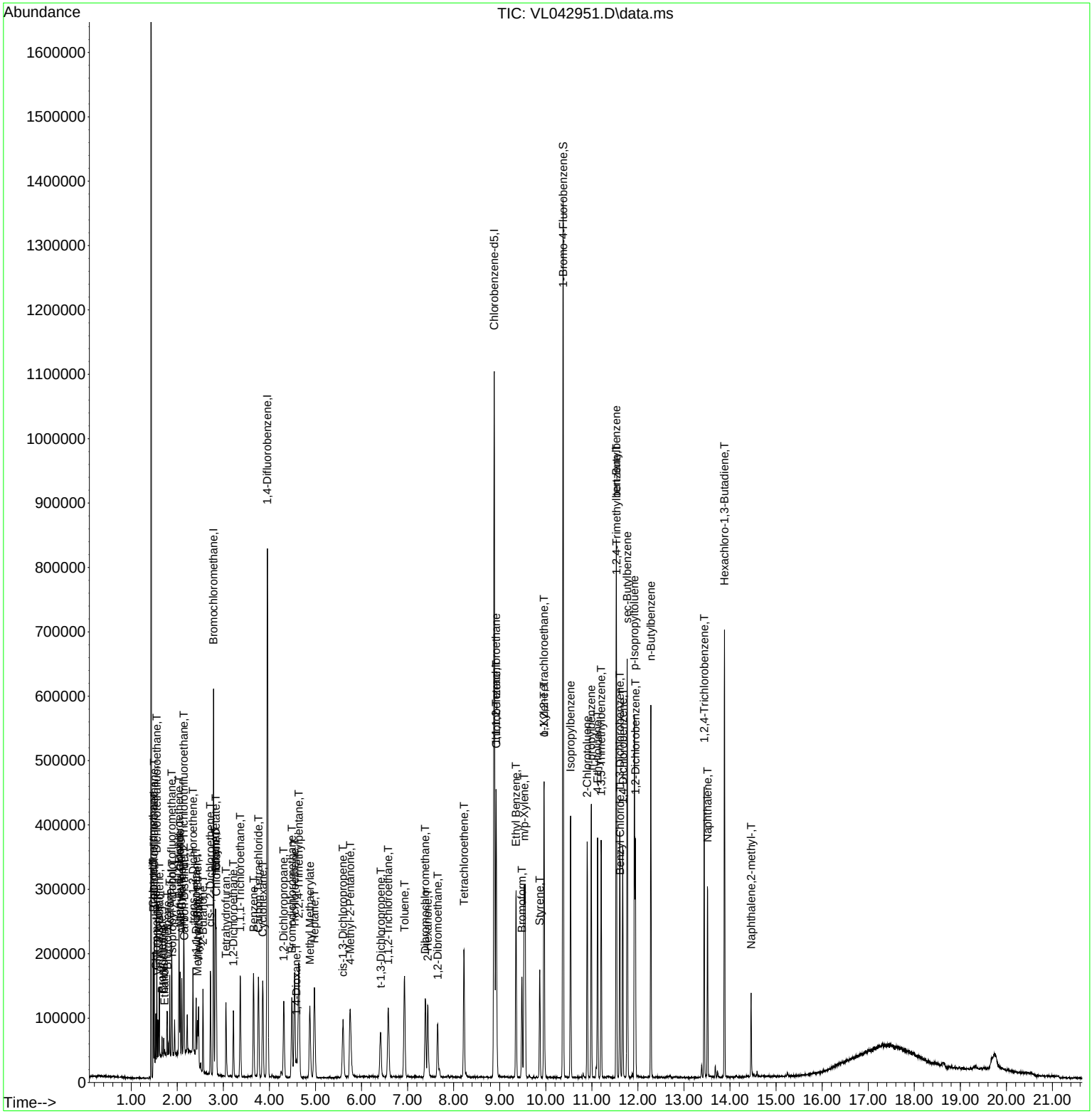
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042951.D
Acq On : 22 Sep 2025 10:14
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:09:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042952.D
Acq On : 22 Sep 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:10:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	162797	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	511767	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	469265	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	348878	9.960	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	23644	1.080	ppbv		97
3) Chlorodifluoromethane	1.476	51	29646	1.086	ppbv		99
4) Chloromethane	1.531	50	10120	1.021	ppbv		97
5) Vinyl Chloride	1.580	62	9228	1.030	ppbv		99
6) Bromomethane	1.667	94	3493	1.105	ppbv		96
7) Chloroethane	1.703	64	3872	1.113	ppbv	#	81
8) Dichlorotetrafluoroethane	1.554	85	20172	1.079	ppbv		97
9) Propene	1.482	41	12808	1.079	ppbv		92
10) Heptane	4.972	43	33540m	1.053	ppbv		
11) Trichlorofluoromethane	1.874	101	22397	1.061	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.136	101	18180	1.063	ppbv		99
13) Ethanol	1.719	45	1463	1.286	ppbv	#	33
14) Bromoethene	1.780	108	6783	1.049	ppbv	#	87
15) Acetone	1.832	43	25273	1.192	ppbv		99
16) 1,3-Butadiene	1.609	39	10993	1.099	ppbv		88
17) tert-Butyl alcohol	2.039	59	25141	1.081	ppbv	#	88
18) 1,1-Dichloroethene	2.033	96	8192	1.035	ppbv		96
19) Isopropyl Alcohol	1.884	45	13241	1.039	ppbv	#	41
20) Methylene Chloride	2.059	84	10045	0.985	ppbv		97
21) Allyl Chloride	2.094	41	15801	1.070	ppbv		95
22) trans-1,2-Dichloroethene	2.337	96	9960	1.108	ppbv		96
23) Vinyl Acetate	2.457	43	30884	1.020	ppbv	#	96
24) 1,1-Dichloroethane	2.405	63	19077	1.082	ppbv		99
25) Ethyl Acetate	2.832	43	56877	1.061	ppbv		97
26) Hexane	2.822	57	26276	1.076	ppbv		96
27) Carbon Disulfide	2.149	76	23373	1.067	ppbv	#	32
28) Methyl tert-Butyl Ether	2.441	73	12580	0.991	ppbv	#	86
29) Chloroform	2.842	83	33240	1.041	ppbv		99
30) Cyclohexane	3.855	84	21707	1.063	ppbv		98
31) cis-1,2-Dichloroethene	2.716	61	23828	1.041	ppbv		96
32) 1,1,1-Trichloroethane	3.360	97	35233	1.018	ppbv		97
34) 2-Butanone	2.554	43	37431	1.044	ppbv		97
35) Carbon Tetrachloride	3.758	117	34016	1.033	ppbv		96
36) Benzene	3.651	78	49652	1.033	ppbv		100
37) 1,2-Dichloroethane	3.214	62	26482	1.048	ppbv		98
38) Trichloroethene	4.538	130	23906	1.001	ppbv		98
39) 1,2-Dichloropropane	4.311	63	18493m	1.053	ppbv		
40) 1,4-Dioxane	4.583	88	8804m	1.080	ppbv		
41) Tetrahydrofuran	3.055	42	20845	1.011	ppbv		98
42) Bromodichloromethane	4.480	83	35768m	1.016	ppbv		
43) Methyl Methacrylate	4.871	69	20289	1.040	ppbv		98
44) 2,2,4-Trimethylpentane	4.635	57	84970	1.023	ppbv		96
45) t-1,3-Dichloropropene	6.402	75	21210m	1.011	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042952.D
Acq On : 22 Sep 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:10:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	27025m	1.011	ppbv	
47) 1,1,2-Trichloroethane	6.574	97	19311	1.041	ppbv	96
48) Dibromochloromethane	7.383	129	30015	1.012	ppbv	99
49) Bromoform	9.477	173	25929	1.005	ppbv	98
50) 4-Methyl-2-Pentanone	5.748	43	48546	1.007	ppbv	98
51) 2-Hexanone	7.431	43	39627	1.034	ppbv #	99
52) Tetrachloroethene	8.218	164	18188	0.978	ppbv	97
53) Toluene	6.926	91	58200	1.023	ppbv	100
54) 1,2-Dibromoethane	7.645	107	26608	1.020	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.920	131	22802	1.015	ppbv	94
57) Chlorobenzene	8.914	112	45873	1.071	ppbv	98
58) Ethyl Benzene	9.351	91	80473	1.044	ppbv	97
59) m/p-Xylene	9.529	91	128139m	2.108	ppbv	
60) o-Xylene	9.959	91	64703	1.066	ppbv	99
61) Styrene	9.869	104	29061	1.012	ppbv	98
62) Isopropylbenzene	10.535	105	96621	1.068	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	31695	0.993	ppbv	96
64) n-propylbenzene	10.985	120	24820	1.049	ppbv	98
65) tert-Butylbenzene	11.526	119	86303	1.072	ppbv	99
66) Benzyl Chloride	11.610	91	8140	0.964	ppbv	100
67) sec-Butylbenzene	11.762	105	120070	1.070	ppbv	100
69) p-Isopropyltoluene	11.921	119	101749	1.074	ppbv	99
70) n-Butylbenzene	12.277	91	98908	1.069	ppbv	99
71) 2-Chlorotoluene	10.895	91	70577	1.033	ppbv	98
72) 4-Ethyltoluene	11.121	105	79095	1.040	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	63174	1.024	ppbv	98
74) 1,2,4-Trimethylbenzene	11.532	105	71411	1.049	ppbv	95
75) 1,3-Dichlorobenzene	11.603	146	44769	1.060	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	42879	1.022	ppbv	97
77) 1,2-Dichlorobenzene	11.940	146	42911	1.068	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	34798	1.107	ppbv	99
79) Naphthalene	13.510	128	61925	1.028	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	17116	0.920	ppbv	97
81) 1,2,4-Trichlorobenzene	13.435	180	32411	1.007	ppbv	97

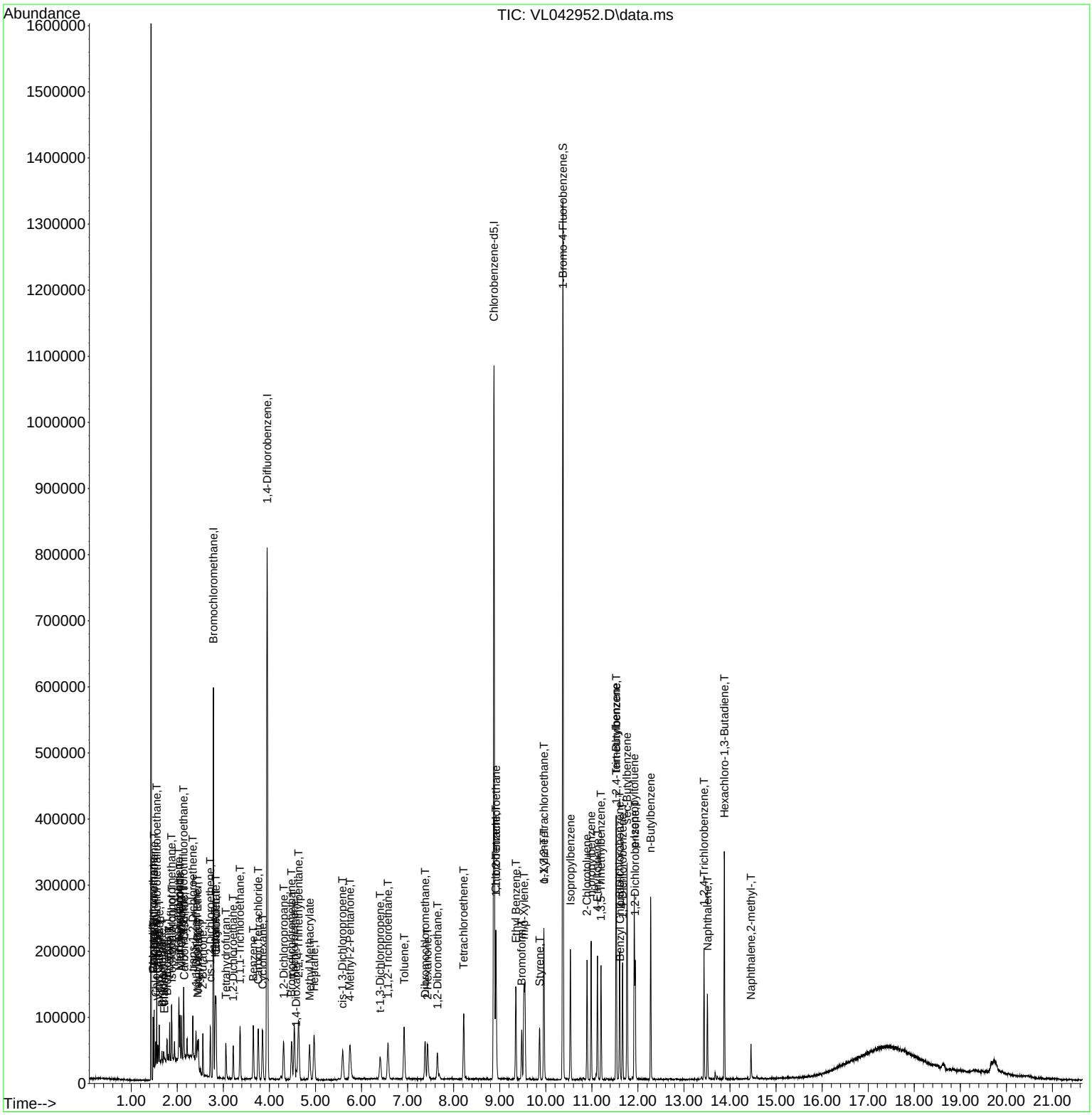
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042952.D
Acq On : 22 Sep 2025 10:48
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:10:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042953.D
Acq On : 22 Sep 2025 11:22
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:11:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	165435	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	509306	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	464091	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	347374	10.027	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11508	0.517	ppbv		96
3) Chlorodifluoromethane	1.476	51	14744	0.532	ppbv	#	90
4) Chloromethane	1.534	50	5729	0.569	ppbv		97
5) Vinyl Chloride	1.580	62	4373	0.480	ppbv		93
6) Bromomethane	1.667	94	1850	0.576	ppbv		100
7) Chloroethane	1.703	64	1936	0.548	ppbv	#	87
8) Dichlorotetrafluoroethane	1.554	85	10149	0.534	ppbv		96
9) Propene	1.483	41	6482	0.537	ppbv		94
10) Heptane	4.978	43	17388m	0.537	ppbv		
11) Trichlorofluoromethane	1.877	101	11200	0.522	ppbv		96
12) 1,1,2-Trichlorotrifluo...	2.140	101	9346	0.538	ppbv		100
13) Ethanol	1.719	45	629m	0.544	ppbv		
14) Bromoethene	1.784	108	3553	0.541	ppbv	#	84
15) Acetone	1.835	43	12326	0.572	ppbv	#	86
16) 1,3-Butadiene	1.609	39	6215	0.611	ppbv	#	82
17) tert-Butyl alcohol	2.043	59	13128	0.555	ppbv	#	77
18) 1,1-Dichloroethene	2.033	96	4543	0.565	ppbv		93
19) Isopropyl Alcohol	1.887	45	7431	0.574	ppbv	#	46
20) Methylene Chloride	2.062	84	6881	0.430	ppbv		87
21) Allyl Chloride	2.098	41	7481	0.499	ppbv	#	69
22) trans-1,2-Dichloroethene	2.337	96	4869m	0.533	ppbv		
23) Vinyl Acetate	2.460	43	18264	0.593	ppbv	#	95
24) 1,1-Dichloroethane	2.408	63	9484	0.529	ppbv	#	98
25) Ethyl Acetate	2.836	43	28162	0.517	ppbv	#	95
26) Hexane	2.823	57	13406	0.540	ppbv		98
27) Carbon Disulfide	2.149	76	11535	0.518	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	7886	0.611	ppbv	#	65
29) Chloroform	2.845	83	17188	0.530	ppbv		100
30) Cyclohexane	3.855	84	10856	0.523	ppbv		93
31) cis-1,2-Dichloroethene	2.719	61	11939	0.513	ppbv		99
32) 1,1,1-Trichloroethane	3.366	97	16684	0.474	ppbv		96
34) 2-Butanone	2.557	43	18948	0.531	ppbv		96
35) Carbon Tetrachloride	3.761	117	16799	0.513	ppbv		94
36) Benzene	3.654	78	24807	0.519	ppbv	#	95
37) 1,2-Dichloroethane	3.217	62	12788	0.508	ppbv		100
38) Trichloroethene	4.544	130	12243	0.515	ppbv	#	88
39) 1,2-Dichloropropane	4.315	63	8772	0.502	ppbv	#	86
40) 1,4-Dioxane	4.599	88	4405m	0.543	ppbv		
41) Tetrahydrofuran	3.059	42	10871	0.530	ppbv		95
42) Bromodichloromethane	4.486	83	17552	0.501	ppbv		96
43) Methyl Methacrylate	4.881	69	10330m	0.532	ppbv		
44) 2,2,4-Trimethylpentane	4.642	57	43414m	0.525	ppbv		
45) t-1,3-Dichloropropene	6.409	75	10262m	0.492	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042953.D
Acq On : 22 Sep 2025 11:22
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:11:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.593	75	13304m	0.500	ppbv		
47)	1,1,2-Trichloroethane	6.580	97	9725m	0.527	ppbv		
48)	Dibromochloromethane	7.383	129	14563	0.493	ppbv		99
49)	Bromoform	9.480	173	12136	0.473	ppbv		97
50)	4-Methyl-2-Pentanone	5.761	43	23639	0.493	ppbv		95
51)	2-Hexanone	7.441	43	18322	0.480	ppbv	#	97
52)	Tetrachloroethene	8.218	164	9073m	0.490	ppbv		
53)	Toluene	6.927	91	29404	0.519	ppbv		99
54)	1,2-Dibromoethane	7.648	107	13233	0.510	ppbv		98
56)	1,1,1,2-Tetrachloroethane	8.924	131	11535	0.519	ppbv	#	1
57)	Chlorobenzene	8.920	112	22463	0.530	ppbv		91
58)	Ethyl Benzene	9.351	91	38459	0.505	ppbv		96
59)	m/p-Xylene	9.545	91	61801m	1.028	ppbv		
60)	o-Xylene	9.959	91	30976	0.516	ppbv		98
61)	Styrene	9.865	104	14048	0.495	ppbv		98
62)	Isopropylbenzene	10.535	105	46640	0.521	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.959	83	15974	0.506	ppbv		97
64)	n-propylbenzene	10.985	120	12333	0.527	ppbv		100
65)	tert-Butylbenzene	11.529	119	42595	0.535	ppbv		99
66)	Benzyl Chloride	11.613	91	3942m	0.472	ppbv		
67)	sec-Butylbenzene	11.765	105	58190	0.525	ppbv		99
69)	p-Isopropyltoluene	11.924	119	48855	0.521	ppbv		100
70)	n-Butylbenzene	12.280	91	44764	0.489	ppbv		100
71)	2-Chlorotoluene	10.898	91	35797	0.530	ppbv		96
72)	4-Ethyltoluene	11.125	105	39803	0.529	ppbv		99
73)	1,3,5-Trimethylbenzene	11.202	105	30932	0.507	ppbv		96
74)	1,2,4-Trimethylbenzene	11.532	105	35601	0.529	ppbv		97
75)	1,3-Dichlorobenzene	11.607	146	21307	0.510	ppbv		98
76)	1,4-Dichlorobenzene	11.668	146	21404	0.516	ppbv		98
77)	1,2-Dichlorobenzene	11.943	146	20279	0.510	ppbv		95
78)	Hexachloro-1,3-Butadiene	13.879	225	17515	0.563	ppbv		98
79)	Naphthalene	13.510	128	25577	0.429	ppbv		97
80)	Naphthalene,2-methyl-	14.458	142	8906	0.484	ppbv		92
81)	1,2,4-Trichlorobenzene	13.439	180	12920	0.406	ppbv		98

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

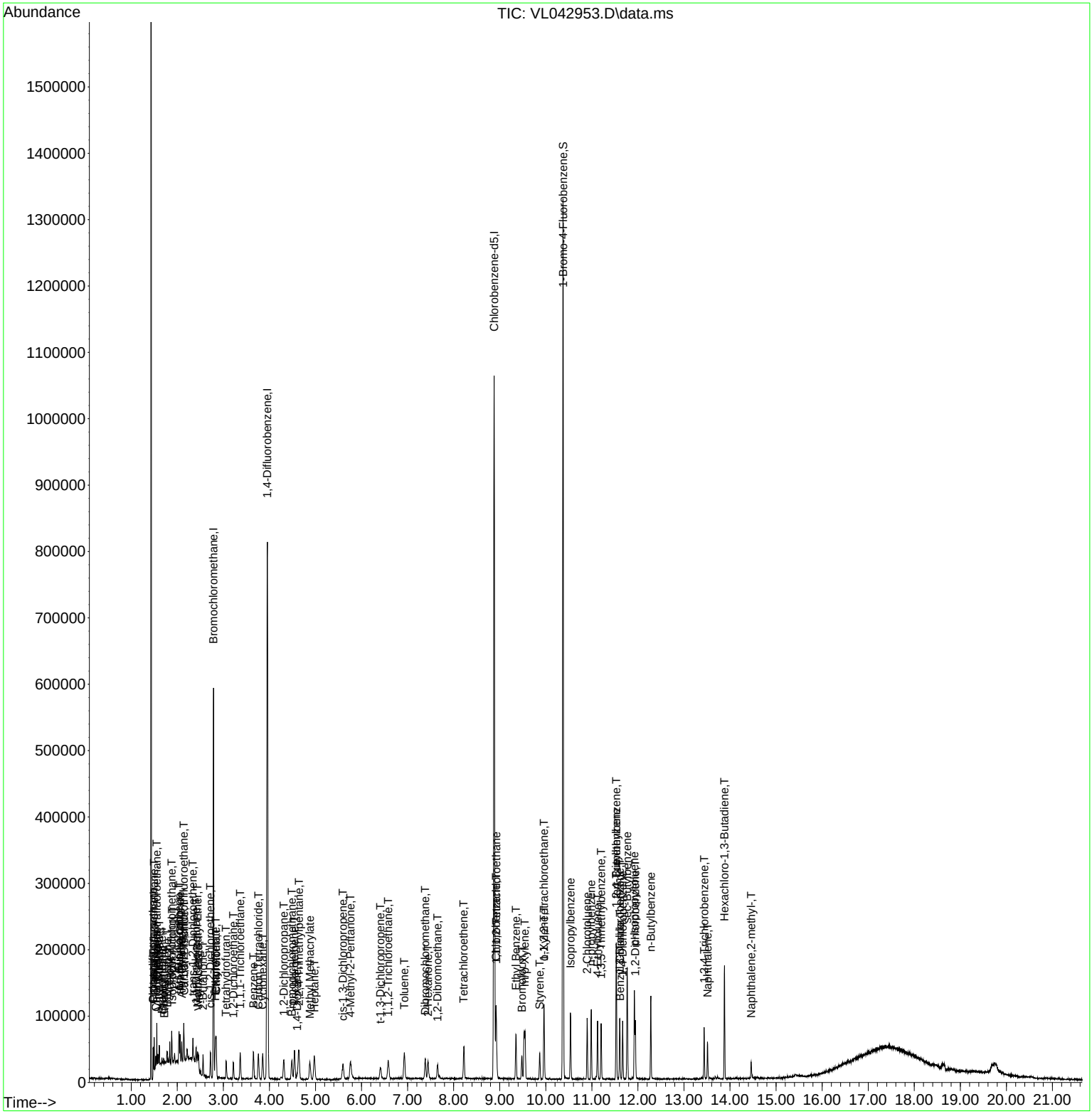
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042953.D
Acq On : 22 Sep 2025 11:22
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:11:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042954.D
Acq On : 22 Sep 2025 11:56
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:12:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	163771	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	498673	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	457171	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	337196	9.881	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.800%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	920	0.102	ppbv #	75
32) 1,1,1-Trichloroethane	3.370	97	3418	0.098	ppbv	96
35) Carbon Tetrachloride	3.764	117	3071m	0.096	ppbv	
38) Trichloroethene	4.541	130	2470m	0.106	ppbv	
52) Tetrachloroethene	8.228	164	2013m	0.111	ppbv	
54) 1,2-Dibromoethane	7.655	107	2595m	0.102	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	3301	0.106	ppbv	97
79) Naphthalene	13.516	128	4997m	0.085	ppbv	

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

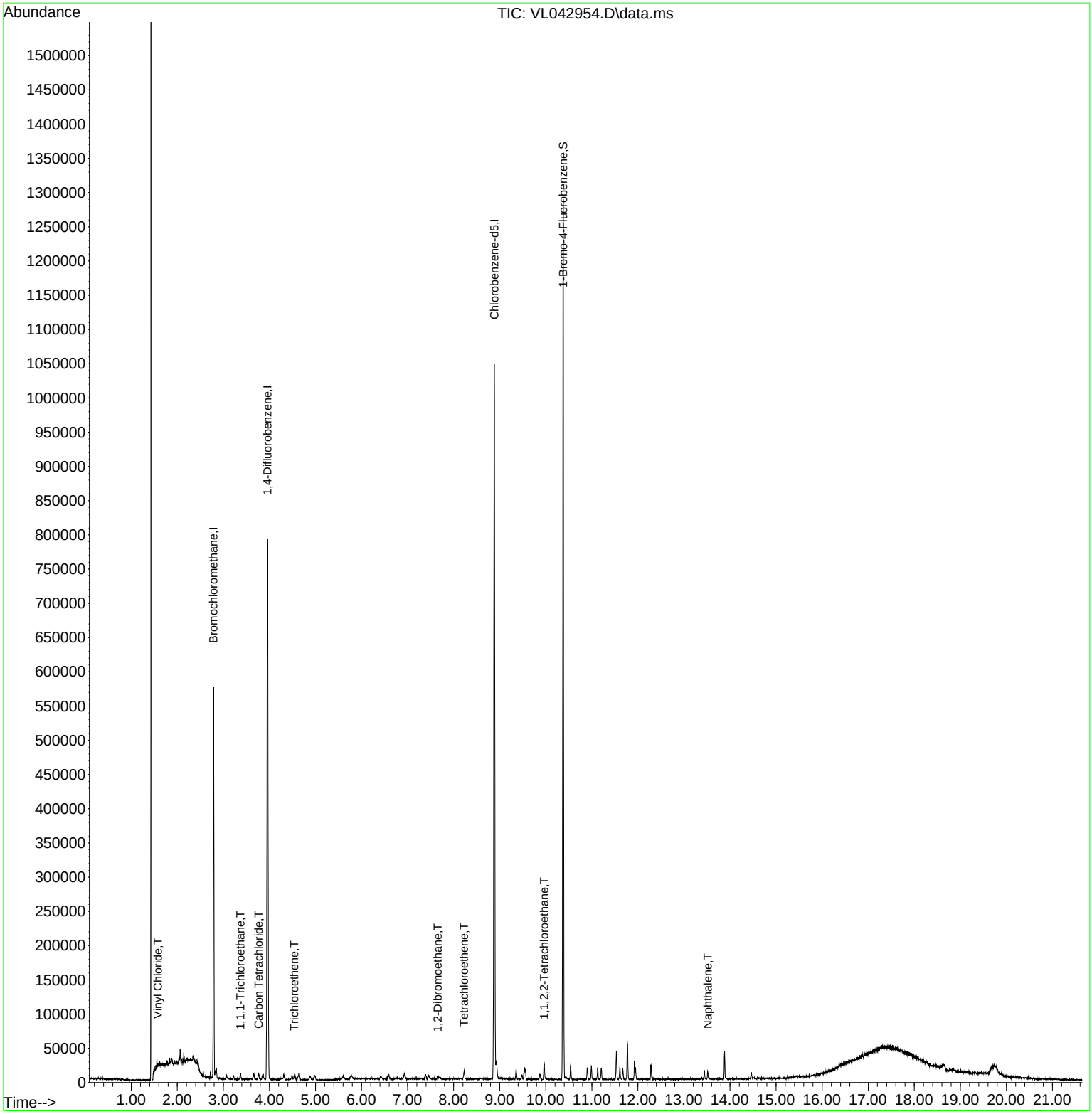
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042954.D
Acq On : 22 Sep 2025 11:56
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:12:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042955.D
Acq On : 22 Sep 2025 12:30
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:13:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	163615	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	504423	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	454013	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	334002	9.855	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.600%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	358	0.040	ppbv	# 53
32) 1,1,1-Trichloroethane	3.373	97	1337m	0.038	ppbv	
35) Carbon Tetrachloride	3.761	117	1110m	0.034	ppbv	
38) Trichloroethene	4.551	130	797m	0.034	ppbv	
52) Tetrachloroethene	8.231	164	660m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.959	83	1098m	0.036	ppbv	

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

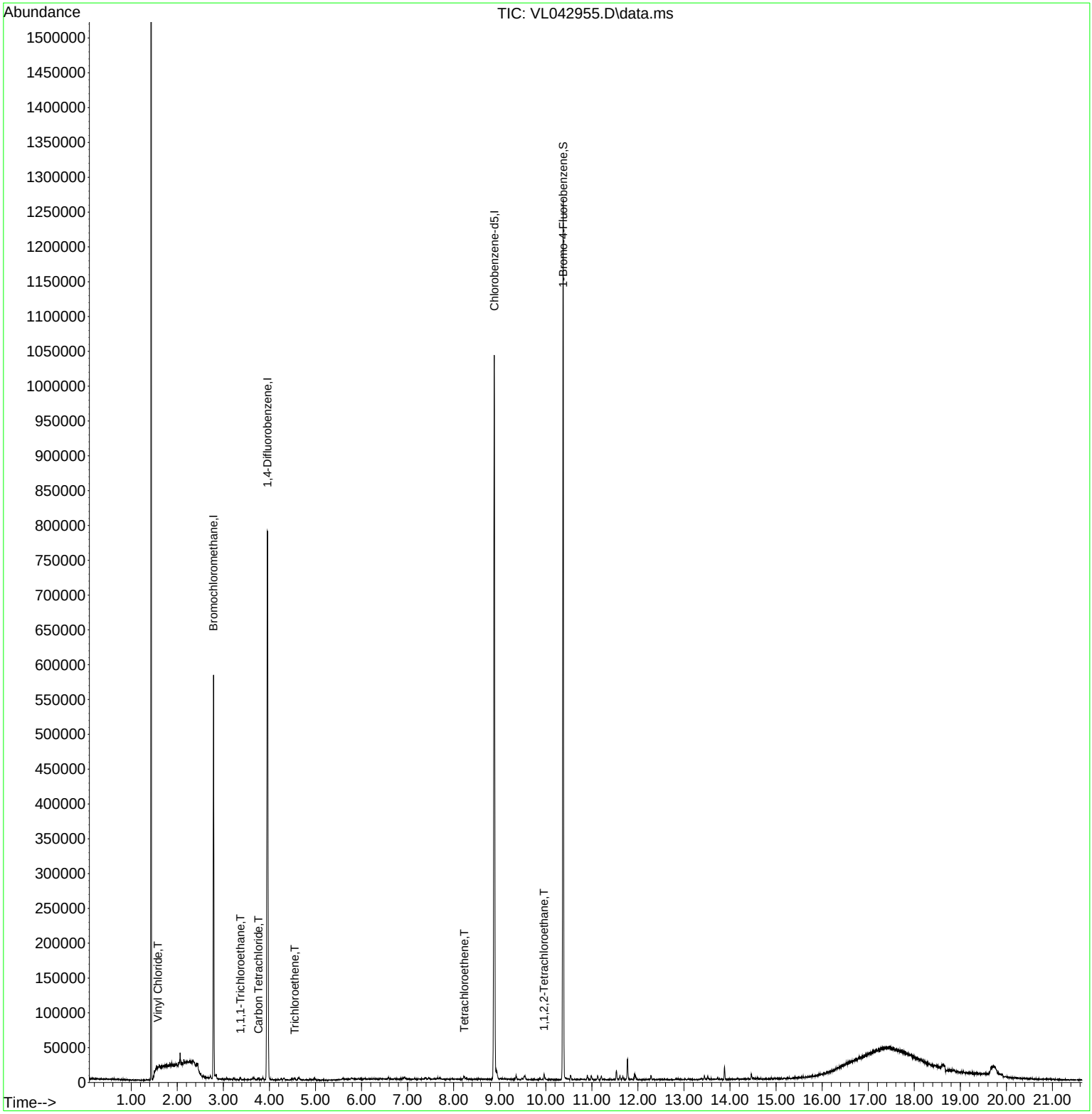
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042955.D
Acq On : 22 Sep 2025 12:30
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:13:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042956.D
Acq On : 22 Sep 2025 13:05
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:14:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	162846	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	494779	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	458256	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	343752	10.049	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	300946	13.740	ppbv	97
3) Chlorodifluoromethane	1.476	51	364959	13.369	ppbv	100
4) Chloromethane	1.534	50	133240	13.439	ppbv	99
5) Vinyl Chloride	1.583	62	115257	12.860	ppbv	100
6) Bromomethane	1.670	94	40861	12.925	ppbv	94
7) Chloroethane	1.706	64	46081	13.241	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	255815	13.682	ppbv	98
9) Propene	1.486	41	154069	12.973	ppbv	94
10) Heptane	4.985	43	424500	13.327	ppbv	98
11) Trichlorofluoromethane	1.881	101	295479	13.991	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	237615	13.894	ppbv	99
13) Ethanol	1.722	45	11502	10.105	ppbv	99
14) Bromoethene	1.784	108	88375	13.668	ppbv	100
15) Acetone	1.835	43	244861	11.545	ppbv	97
16) 1,3-Butadiene	1.612	39	126670	12.661	ppbv	97
17) tert-Butyl alcohol	2.039	59	308347	13.255	ppbv	99
18) 1,1-Dichloroethene	2.036	96	109211	13.796	ppbv	99
19) Isopropyl Alcohol	1.887	45	162952	12.780	ppbv	100
20) Methylene Chloride	2.062	84	92708	14.996	ppbv	95
21) Allyl Chloride	2.098	41	204552	13.848	ppbv	100
22) trans-1,2-Dichloroethene	2.343	96	121815	13.542	ppbv	98
23) Vinyl Acetate	2.463	43	419251	13.837	ppbv	99
24) 1,1-Dichloroethane	2.411	63	243229	13.789	ppbv	99
25) Ethyl Acetate	2.835	43	724418	13.514	ppbv	99
26) Hexane	2.829	57	321710	13.166	ppbv	99
27) Carbon Disulfide	2.153	76	300931	13.731	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	193915	15.267	ppbv	94
29) Chloroform	2.852	83	440772	13.796	ppbv	98
30) Cyclohexane	3.858	84	281932	13.800	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	317456	13.869	ppbv	98
32) 1,1,1-Trichloroethane	3.369	97	456335	13.178	ppbv	99
34) 2-Butanone	2.557	43	469872	13.551	ppbv	99
35) Carbon Tetrachloride	3.764	117	457985	14.385	ppbv	97
36) Benzene	3.658	78	654205	14.080	ppbv	99
37) 1,2-Dichloroethane	3.221	62	350841	14.358	ppbv	100
38) Trichloroethene	4.548	130	310602	13.450	ppbv	97
39) 1,2-Dichloropropane	4.315	63	241323	14.218	ppbv	95
40) 1,4-Dioxane	4.580	88	104884	13.306	ppbv #	98
41) Tetrahydrofuran	3.052	42	276157	13.855	ppbv	99
42) Bromodichloromethane	4.489	83	495091	14.544	ppbv	98
43) Methyl Methacrylate	4.881	69	263659	13.979	ppbv	99
44) 2,2,4-Trimethylpentane	4.641	57	1107180	13.791	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	298019	14.694	ppbv	96

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042956.D
Acq On : 22 Sep 2025 13:05
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:14:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	371770	14.389	ppbv	99
47) 1,1,2-Trichloroethane	6.583	97	249453	13.909	ppbv	96
48) Dibromochloromethane	7.389	129	421755	14.709	ppbv	99
49) Bromoform	9.487	173	367120	14.719	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	666049	14.293	ppbv	100
51) 2-Hexanone	7.435	43	541611	14.620	ppbv	100
52) Tetrachloroethene	8.228	164	233980	13.015	ppbv	99
53) Toluene	6.936	91	765216	13.915	ppbv	98
54) 1,2-Dibromoethane	7.652	107	359750	14.261	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.927	131	306952	13.994	ppbv	99
57) Chlorobenzene	8.924	112	565065	13.507	ppbv	98
58) Ethyl Benzene	9.357	91	1052303	13.985	ppbv	99
59) m/p-Xylene	9.555	91	1636030m	27.557	ppbv	
60) o-Xylene	9.966	91	808098	13.629	ppbv	100
61) Styrene	9.872	104	401899	14.330	ppbv	99
62) Isopropylbenzene	10.542	105	1198767	13.564	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	403038	12.932	ppbv	100
64) n-propylbenzene	10.992	120	318541	13.793	ppbv	97
65) tert-Butylbenzene	11.532	119	1033382	13.146	ppbv	100
66) Benzyl Chloride	11.616	91	113549	13.767	ppbv	99
67) sec-Butylbenzene	11.769	105	1454158	13.276	ppbv	99
69) p-Isopropyltoluene	11.927	119	1228773	13.280	ppbv	100
70) n-Butylbenzene	12.283	91	1239042	13.716	ppbv	99
71) 2-Chlorotoluene	10.904	91	916456	13.733	ppbv	100
72) 4-Ethyltoluene	11.128	105	1014567	13.662	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	845958	14.046	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	889339	13.372	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	568597	13.785	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	570104	13.916	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	536286	13.665	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	377435	12.296	ppbv	99
79) Naphthalene	13.513	128	920123	15.645	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	277792	15.290	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	473767	15.066	ppbv	99

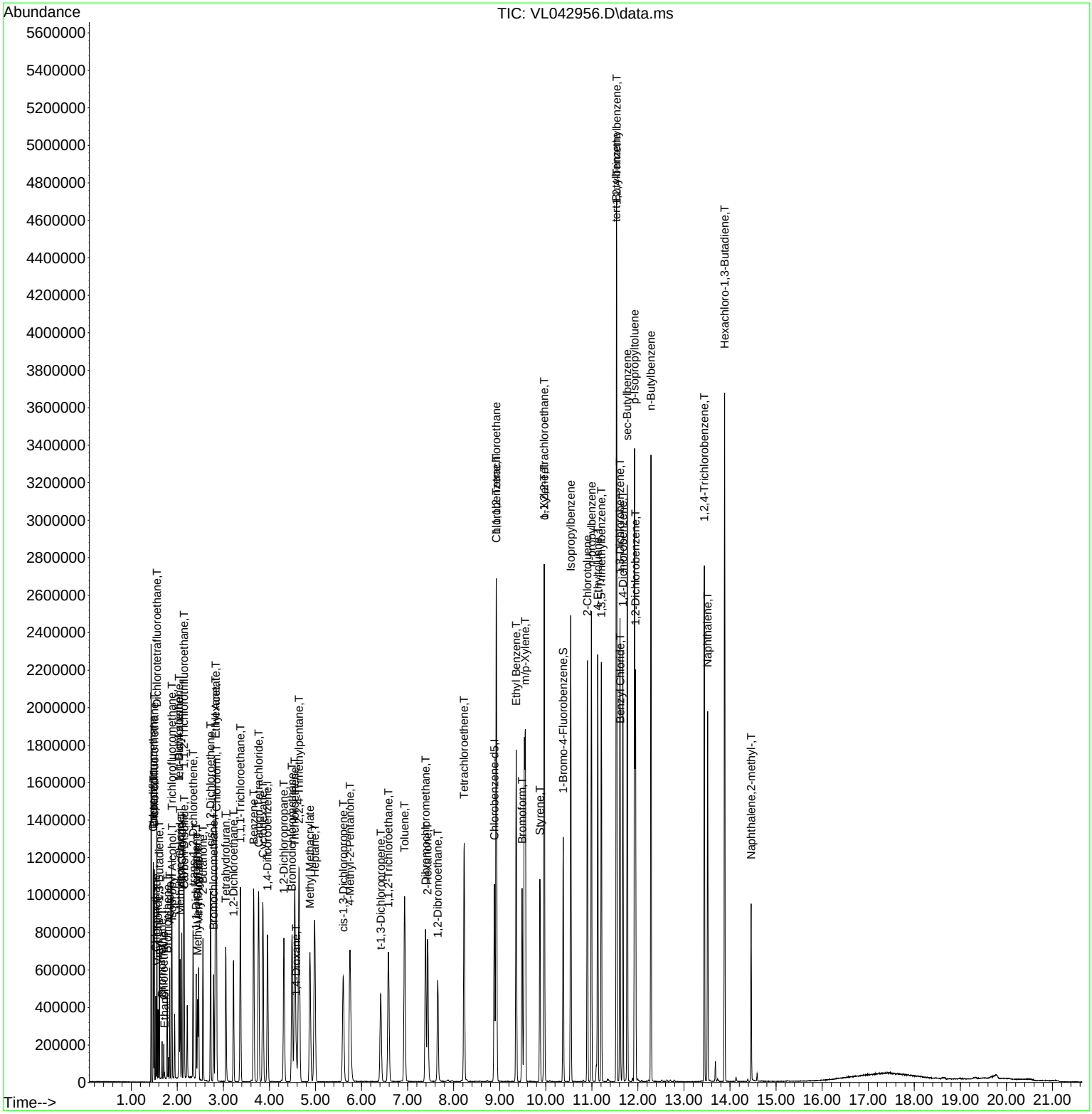
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042956.D
Acq On : 22 Sep 2025 13:05
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:14:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042957.D
Acq On : 22 Sep 2025 14:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:49:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092225

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	159826	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	493072	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	450930	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	338071	10.043	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	197861	9.204	ppbv	98
3) Chlorodifluoromethane	1.476	51	246838	9.213	ppbv	99
4) Chloromethane	1.535	50	85932	8.831	ppbv	100
5) Vinyl Chloride	1.580	62	74819	8.506	ppbv	98
6) Bromomethane	1.667	94	26463	8.529	ppbv	91
7) Chloroethane	1.706	64	30377	8.894	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	164255	8.951	ppbv	98
9) Propene	1.483	41	105822	9.079	ppbv	95
10) Heptane	4.982	43	284333	9.141	ppbv	99
11) Trichlorofluoromethane	1.878	101	189800	9.157	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	151398	9.020	ppbv	99
13) Ethanol	1.722	45	6606	5.842	ppbv	90
14) Bromoethene	1.781	108	55748	8.785	ppbv	98
15) Acetone	1.836	43	157306	7.557	ppbv	98
16) 1,3-Butadiene	1.609	39	80854	8.234	ppbv	98
17) tert-Butyl alcohol	2.040	59	206466	9.043	ppbv	100
18) 1,1-Dichloroethene	2.036	96	69181	8.904	ppbv	94
19) Isopropyl Alcohol	1.884	45	108171	8.644	ppbv	100
20) Methylene Chloride	2.062	84	61743	9.945	ppbv	98
21) Allyl Chloride	2.098	41	132878	9.166	ppbv	100
22) trans-1,2-Dichloroethene	2.341	96	78085	8.845	ppbv	98
23) Vinyl Acetate	2.464	43	280339	9.427	ppbv	99
24) 1,1-Dichloroethane	2.409	63	155861	9.003	ppbv	100
25) Ethyl Acetate	2.833	43	486993	9.256	ppbv	99
26) Hexane	2.826	57	216458	9.026	ppbv	99
27) Carbon Disulfide	2.150	76	196191	9.121	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	121564	9.752	ppbv	95
29) Chloroform	2.849	83	300507	9.583	ppbv	100
30) Cyclohexane	3.855	84	186186	9.286	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	213362	9.497	ppbv	99
32) 1,1,1-Trichloroethane	3.370	97	307237	9.071	ppbv	100
34) 2-Butanone	2.558	43	313801	9.081	ppbv	100
35) Carbon Tetrachloride	3.762	117	304293	9.479	ppbv	97
36) Benzene	3.655	78	435981	9.416	ppbv	98
37) 1,2-Dichloroethane	3.218	62	233305	9.581	ppbv	99
38) Trichloroethene	4.548	130	205431	8.927	ppbv	95
39) 1,2-Dichloropropane	4.312	63	160275	9.482	ppbv	95
40) 1,4-Dioxane	4.577	88	69659	8.863	ppbv #	95
41) Tetrahydrofuran	3.053	42	184258	9.277	ppbv	100
42) Bromodichloromethane	4.490	83	329680	9.721	ppbv	99
43) Methyl Methacrylate	4.878	69	172867	9.125	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	738876	9.239	ppbv	99
45) t-1,3-Dichloropropene	6.416	75	188332	9.321	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042957.D
Acq On : 22 Sep 2025 14:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:49:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	244367	9.490	ppbv	99
47) 1,1,2-Trichloroethane	6.577	97	165721	9.279	ppbv	97
48) Dibromochloromethane	7.387	129	278090	9.732	ppbv	99
49) Bromoform	9.484	173	238337	9.589	ppbv	99
50) 4-Methyl-2-Pentanone	5.746	43	435845	9.411	ppbv	99
51) 2-Hexanone	7.435	43	352962	9.561	ppbv	100
52) Tetrachloroethene	8.225	164	155469	8.678	ppbv	98
53) Toluene	6.933	91	509968	9.306	ppbv	99
54) 1,2-Dibromoethane	7.652	107	237604	9.452	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.924	131	205811	9.536	ppbv	99
57) Chlorobenzene	8.924	112	379110	9.209	ppbv	99
58) Ethyl Benzene	9.354	91	698086	9.428	ppbv	100
59) m/p-Xylene	9.552	91	1092496m	18.715	ppbv	
60) o-Xylene	9.966	91	538861	9.236	ppbv	99
61) Styrene	9.872	104	264257	9.575	ppbv	99
62) Isopropylbenzene	10.539	105	802723	9.230	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	272416	8.883	ppbv	100
64) n-propylbenzene	10.989	120	214374	9.433	ppbv	99
65) tert-Butylbenzene	11.533	119	711319	9.196	ppbv	99
66) Benzyl Chloride	11.617	91	71896	8.858	ppbv	99
67) sec-Butylbenzene	11.769	105	995407	9.235	ppbv	99
69) p-Isopropyltoluene	11.928	119	848196	9.316	ppbv	99
70) n-Butylbenzene	12.280	91	834882	9.392	ppbv	100
71) 2-Chlorotoluene	10.902	91	611697	9.315	ppbv	100
72) 4-Ethyltoluene	11.125	105	686229	9.391	ppbv	100
73) 1,3,5-Trimethylbenzene	11.203	105	567874	9.582	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	607159	9.277	ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	380822	9.382	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	380109	9.429	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	359995	9.322	ppbv	100
78) Hexachloro-1,3-Butadiene	13.883	225	249142	8.248	ppbv	100
79) Naphthalene	13.514	128	590759	10.208	ppbv	99
80) Naphthalene,2-methyl-	14.459	142	173023	9.678	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	304647	9.845	ppbv	98

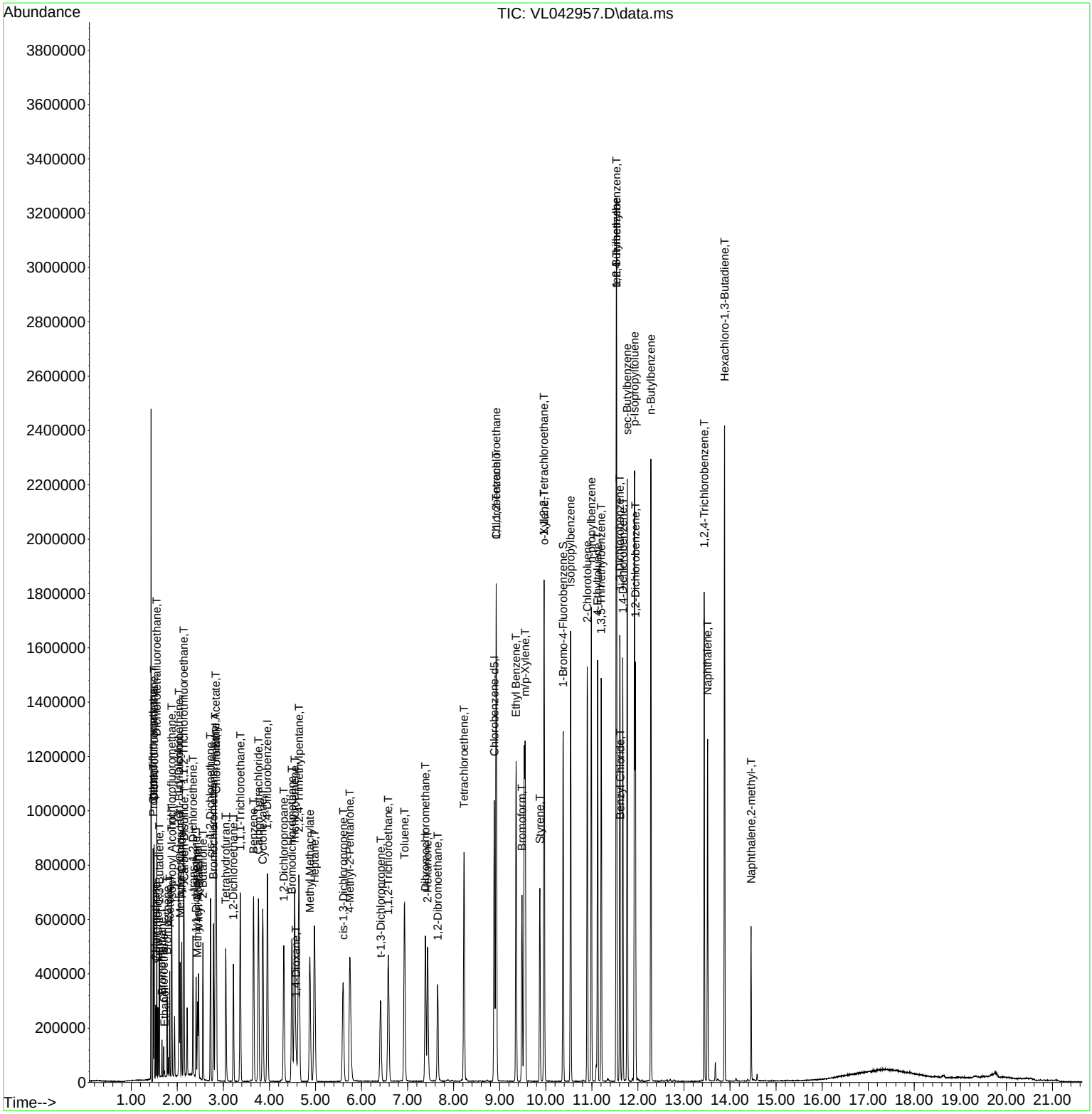
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042957.D
Acq On : 22 Sep 2025 14:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 02:49:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092225

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042957.D
Acq On : 22 Sep 2025 14:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092225

Quant Time: Sep 23 02:49:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	1.345	1.238	8.0	93	0.00
3		Chlorodifluoromethane	1.676	1.544	7.9	92	0.00
4		Chloromethane	0.609	0.538	11.7	90	0.00
5	T	Vinyl Chloride	0.550	0.468	14.9	93	0.00
6	T	Bromomethane	0.194	0.166	14.4	94	0.00
7		Chloroethane	0.214	0.190	11.2	91	0.00
8	T	Dichlorotetrafluoroethane	1.148	1.028	10.5	92	0.00
9	T	Propene	0.729	0.662	9.2	91	0.00
10	T	Heptane	1.946	1.779	8.6	89	0.01
11	T	Trichlorofluoromethane	1.297	1.188	8.4	93	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.050	0.947	9.8	92	0.00
13		Ethanol	0.071	0.041#	42.3#	73	0.00
14	T	Bromoethene	0.397	0.349	12.1	90	0.00
15	T	Acetone	1.302	0.984	24.4	93	0.00
16	T	1,3-Butadiene	0.614	0.506	17.6	91	0.00
17		tert-Butyl alcohol	1.429	1.292	9.6	89	0.00
18	T	1,1-Dichloroethene	0.486	0.433	10.9	91	0.00
19	T	Isopropyl Alcohol	0.783	0.677	13.5	88	0.00
20	T	Methylene Chloride	0.545	0.386	29.2	93	0.00
21	T	Allyl Chloride	0.907	0.831	8.4	91	0.00
22	T	trans-1,2-Dichloroethene	0.552	0.489	11.4	90	0.00
23	T	Vinyl Acetate	1.861	1.754	5.7	103	0.00
24	T	1,1-Dichloroethane	1.083	0.975	10.0	92	0.00
25	T	Ethyl Acetate	3.292	3.047	7.4	90	0.00
26	T	Hexane	1.501	1.354	9.8	91	0.00
27	T	Carbon Disulfide	1.346	1.228	8.8	90	0.00
28	T	Methyl tert-Butyl Ether	0.780	0.761	2.4	112	0.00
29	T	Chloroform	1.962	1.880	4.2	95	0.00
30	T	Cyclohexane	1.255	1.165	7.2	91	0.00
31	T	cis-1,2-Dichloroethene	1.406	1.335	5.0	92	0.00
32	T	1,1,1-Trichloroethane	2.119	1.922	9.3	95	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
34	T	2-Butanone	0.701	0.636	9.3	91	0.00
35	T	Carbon Tetrachloride	0.651	0.617	5.2	95	0.00
36	T	Benzene	0.939	0.884	5.9	92	0.00
37	T	1,2-Dichloroethane	0.494	0.473	4.3	94	0.00
38	T	Trichloroethene	0.467	0.417	10.7	91	0.00
39	T	1,2-Dichloropropane	0.343	0.325	5.2	93	0.00
40	T	1,4-Dioxane	0.159	0.141	11.3	89	0.00
41	T	Tetrahydrofuran	0.403	0.374	7.2	90	0.00
42	T	Bromodichloromethane	0.688	0.669	2.8	92	0.00
43		Methyl Methacrylate	0.384	0.351	8.6	89	0.00
44	T	2,2,4-Trimethylpentane	1.622	1.499	7.6	90	0.00
45	T	t-1,3-Dichloropropene	0.410	0.382	6.8	88	0.00
46	T	cis-1,3-Dichloropropene	0.522	0.496	5.0	89	0.01
47	T	1,1,2-Trichloroethane	0.362	0.336	7.2	91	0.00
48	T	Dibromochloromethane	0.580	0.564	2.8	93	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042957.D
Acq On : 22 Sep 2025 14:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092225

Quant Time: Sep 23 02:49:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 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	0.504	0.483	4.2	89	0.00
50	T	4-Methyl-2-Pentanone	0.939	0.884	5.9	89	0.00
51	T	2-Hexanone	0.749	0.716	4.4	89	0.00
52	T	Tetrachloroethene	0.363	0.315	13.2	91	0.00
53	T	Toluene	1.111	1.034	6.9	90	0.00
54	T	1,2-Dibromoethane	0.510	0.482	5.5	92	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
56		1,1,1,2-Tetrachloroethane	0.479	0.456	4.8	92	0.00
57	T	Chlorobenzene	0.913	0.841	7.9	91	0.00
58	T	Ethyl Benzene	1.642	1.548	5.7	91	0.00
59	T	m/p-Xylene	1.295	1.211	6.5	92	0.03
60	T	o-Xylene	1.294	1.195	7.7	91	0.00
61	T	Styrene	0.612	0.586	4.2	90	0.00
62		Isopropylbenzene	1.929	1.780	7.7	91	0.00
63	T	1,1,2,2-Tetrachloroethane	0.680	0.604	11.2	92	0.00
64		n-propylbenzene	0.504	0.475	5.8	93	0.00
65		tert-Butylbenzene	1.715	1.577	8.0	94	0.00
66	T	Benzyl Chloride	0.180	0.159	11.7	76	0.00
67		sec-Butylbenzene	2.390	2.207	7.7	93	0.00
68	S	1-Bromo-4-Fluorobenzene	0.746	0.750	-0.5	91	0.00
69		p-Isopropyltoluene	2.019	1.881	6.8	94	0.00
70		n-Butylbenzene	1.971	1.851	6.1	91	0.00
71		2-Chlorotoluene	1.456	1.357	6.8	92	0.00
72	T	4-Ethyltoluene	1.621	1.522	6.1	93	0.00
73	T	1,3,5-Trimethylbenzene	1.314	1.259	4.2	92	0.00
74	T	1,2,4-Trimethylbenzene	1.451	1.346	7.2	92	0.00
75	T	1,3-Dichlorobenzene	0.900	0.845	6.1	93	0.00
76	T	1,4-Dichlorobenzene	0.894	0.843	5.7	92	0.00
77	T	1,2-Dichlorobenzene	0.856	0.798	6.8	93	0.00
78	T	Hexachloro-1,3-Butadiene	0.670	0.553	17.5	89	0.00
79	T	Naphthalene	1.283	1.310	-2.1	88	0.00
80	T	Naphthalene,2-methyl-	0.396	0.384	3.0	88	0.00
81	T	1,2,4-Trichlorobenzene	0.686	0.676	1.5	87	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\VL092225\
Data File : VL042957.D
Acq On : 22 Sep 2025 14:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092225

Quant Time: Sep 23 02:49:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	10.000	9.204	8.0	93	0.00
3		Chlorodifluoromethane	10.000	9.213	7.9	92	0.00
4		Chloromethane	10.000	8.831	11.7	90	0.00
5	T	Vinyl Chloride	10.000	8.506	14.9	93	0.00
6	T	Bromomethane	10.000	8.529	14.7	94	0.00
7		Chloroethane	10.000	8.894	11.1	91	0.00
8	T	Dichlorotetrafluoroethane	10.000	8.951	10.5	92	0.00
9	T	Propene	10.000	9.079	9.2	91	0.00
10	T	Heptane	10.000	9.141	8.6	89	0.01
11	T	Trichlorofluoromethane	10.000	9.157	8.4	93	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.020	9.8	92	0.00
13		Ethanol	10.000	5.842	41.6#	73	0.00
14	T	Bromoethene	10.000	8.785	12.1	90	0.00
15	T	Acetone	10.000	7.557	24.4	93	0.00
16	T	1,3-Butadiene	10.000	8.234	17.7	91	0.00
17		tert-Butyl alcohol	10.000	9.043	9.6	89	0.00
18	T	1,1-Dichloroethene	10.000	8.904	11.0	91	0.00
19	T	Isopropyl Alcohol	10.000	8.644	13.6	88	0.00
20	T	Methylene Chloride	10.000	9.945	0.5	93	0.00
21	T	Allyl Chloride	10.000	9.166	8.3	91	0.00
22	T	trans-1,2-Dichloroethene	10.000	8.845	11.5	90	0.00
23	T	Vinyl Acetate	10.000	9.427	5.7	103	0.00
24	T	1,1-Dichloroethane	10.000	9.003	10.0	92	0.00
25	T	Ethyl Acetate	10.000	9.256	7.4	90	0.00
26	T	Hexane	10.000	9.026	9.7	91	0.00
27	T	Carbon Disulfide	10.000	9.121	8.8	90	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.752	2.5	112	0.00
29	T	Chloroform	10.000	9.583	4.2	95	0.00
30	T	Cyclohexane	10.000	9.286	7.1	91	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.497	5.0	92	0.00
32	T	1,1,1-Trichloroethane	10.000	9.071	9.3	95	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	94	0.00
34	T	2-Butanone	10.000	9.081	9.2	91	0.00
35	T	Carbon Tetrachloride	10.000	9.479	5.2	95	0.00
36	T	Benzene	10.000	9.416	5.8	92	0.00
37	T	1,2-Dichloroethane	10.000	9.581	4.2	94	0.00
38	T	Trichloroethene	10.000	8.927	10.7	91	0.00
39	T	1,2-Dichloropropane	10.000	9.482	5.2	93	0.00
40	T	1,4-Dioxane	10.000	8.863	11.4	89	0.00
41	T	Tetrahydrofuran	10.000	9.277	7.2	90	0.00
42	T	Bromodichloromethane	10.000	9.721	2.8	92	0.00
43		Methyl Methacrylate	10.000	9.125	8.8	89	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.239	7.6	90	0.00
45	T	t-1,3-Dichloropropene	10.000	9.321	6.8	88	0.00
46	T	cis-1,3-Dichloropropene	10.000	9.490	5.1	89	0.01
47	T	1,1,2-Trichloroethane	10.000	9.279	7.2	91	0.00
48	T	Dibromochloromethane	10.000	9.732	2.7	93	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042957.D
Acq On : 22 Sep 2025 14:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092225

Quant Time: Sep 23 02:49:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 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	9.589	4.1	89	0.00
50	T	4-Methyl-2-Pentanone	10.000	9.411	5.9	89	0.00
51	T	2-Hexanone	10.000	9.561	4.4	89	0.00
52	T	Tetrachloroethene	10.000	8.678	13.2	91	0.00
53	T	Toluene	10.000	9.306	6.9	90	0.00
54	T	1,2-Dibromoethane	10.000	9.452	5.5	92	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	93	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.536	4.6	92	0.00
57	T	Chlorobenzene	10.000	9.209	7.9	91	0.00
58	T	Ethyl Benzene	10.000	9.428	5.7	91	0.00
59	T	m/p-Xylene	20.000	18.715	6.4	92	0.03
60	T	o-Xylene	10.000	9.236	7.6	91	0.00
61	T	Styrene	10.000	9.575	4.3	90	0.00
62		Isopropylbenzene	10.000	9.230	7.7	91	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	8.883	11.2	92	0.00
64		n-propylbenzene	10.000	9.433	5.7	93	0.00
65		tert-Butylbenzene	10.000	9.196	8.0	94	0.00
66	T	Benzyl Chloride	10.000	8.858	11.4	76	0.00
67		sec-Butylbenzene	10.000	9.235	7.7	93	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.043	-0.4	91	0.00
69		p-Isopropyltoluene	10.000	9.316	6.8	94	0.00
70		n-Butylbenzene	10.000	9.392	6.1	91	0.00
71		2-Chlorotoluene	10.000	9.315	6.9	92	0.00
72	T	4-Ethyltoluene	10.000	9.391	6.1	93	0.00
73	T	1,3,5-Trimethylbenzene	10.000	9.582	4.2	92	0.00
74	T	1,2,4-Trimethylbenzene	10.000	9.277	7.2	92	0.00
75	T	1,3-Dichlorobenzene	10.000	9.382	6.2	93	0.00
76	T	1,4-Dichlorobenzene	10.000	9.429	5.7	92	0.00
77	T	1,2-Dichlorobenzene	10.000	9.322	6.8	93	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	8.248	17.5	89	0.00
79	T	Naphthalene	10.000	10.208	-2.1	88	0.00
80	T	Naphthalene,2-methyl-	10.000	9.678	3.2	88	0.00
81	T	1,2,4-Trichlorobenzene	10.000	9.845	1.5	87	0.00

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

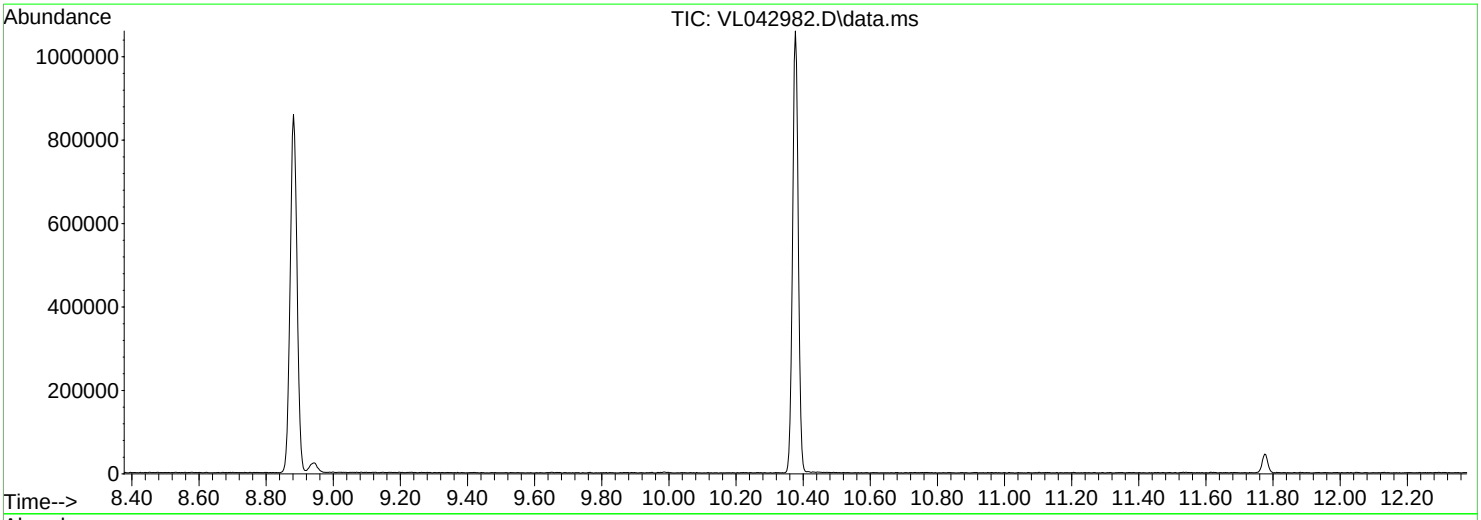
BFB

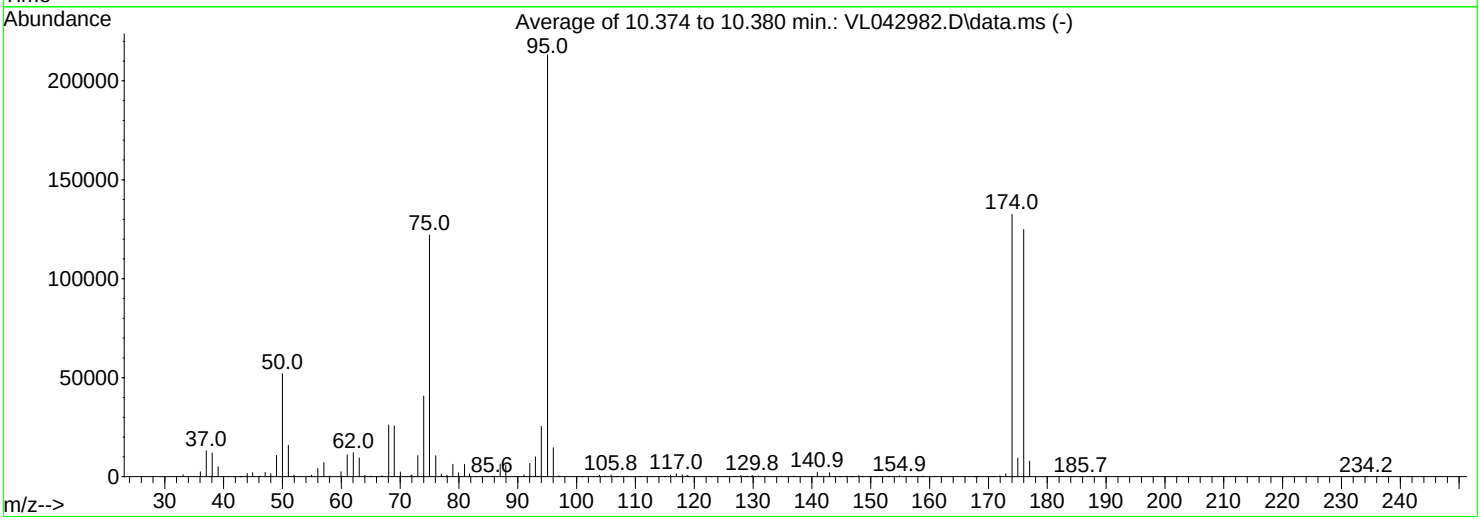
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042982.D
Acq On : 23 Sep 2025 08:30
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Tue Sep 23 02:39:16 2025





AutoFind: Scans 3178, 3179, 3180; 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	24.4	52027	PASS
75	95	30	66	57.3	122083	PASS
95	95	100	100	100.0	213141	PASS
96	95	5	9	6.9	14633	PASS
173	174	0.00	2	1.1	1487	PASS
174	95	50	120	62.2	132544	PASS
175	174	4	9	7.1	9369	PASS
176	174	93	101	94.3	124939	PASS
177	176	5	9	6.3	7833	PASS

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042983.D
Acq On : 23 Sep 2025 09:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 02:04:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	140159	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	397606	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	356928	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	285330	10.709	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	187032	9.921	ppbv	95
3) Chlorodifluoromethane	1.479	51	226561	9.643	ppbv	97
4) Chloromethane	1.534	50	78049	9.147	ppbv	99
5) Vinyl Chloride	1.583	62	67278	8.722	ppbv	100
6) Bromomethane	1.670	94	24422	8.975	ppbv	96
7) Chloroethane	1.709	64	26802	8.948	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	151817	9.434	ppbv	100
9) Propene	1.486	41	83019	8.122	ppbv	96
10) Heptane	4.991	43	242117	8.876	ppbv	99
11) Trichlorofluoromethane	1.881	101	185063	10.181	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	144385	9.809	ppbv	99
13) Ethanol	1.725	45	6504	6.559	ppbv	96
14) Bromoethene	1.787	108	51728	9.295	ppbv	98
15) Acetone	1.839	43	146605	8.031	ppbv	98
16) 1,3-Butadiene	1.612	39	74090	8.604	ppbv	97
17) tert-Butyl alcohol	2.043	59	167840	8.383	ppbv	100
18) 1,1-Dichloroethene	2.039	96	63829	9.368	ppbv	99
19) Isopropyl Alcohol	1.890	45	94735	8.633	ppbv	95
20) Methylene Chloride	2.065	84	55766	10.264	ppbv	96
21) Allyl Chloride	2.101	41	117413	9.235	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	71690	9.260	ppbv	97
23) Vinyl Acetate	2.467	43	230988	8.857	ppbv #	98
24) 1,1-Dichloroethane	2.415	63	145685	9.596	ppbv	99
25) Ethyl Acetate	2.839	43	423103	9.170	ppbv	99
26) Hexane	2.832	57	188410	8.959	ppbv	98
27) Carbon Disulfide	2.156	76	170121	9.019	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	91757	8.393	ppbv	95
29) Chloroform	2.855	83	281560	10.239	ppbv	99
30) Cyclohexane	3.862	84	158650	9.022	ppbv	97
31) cis-1,2-Dichloroethene	2.725	61	188239	9.555	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	274087	9.228	ppbv	99
34) 2-Butanone	2.560	43	279284	10.023	ppbv	99
35) Carbon Tetrachloride	3.771	117	279346	10.791	ppbv	98
36) Benzene	3.664	78	373905	10.014	ppbv	99
37) 1,2-Dichloroethane	3.224	62	224338	11.424	ppbv	97
38) Trichloroethene	4.557	130	174937	9.427	ppbv	92
39) 1,2-Dichloropropane	4.324	63	138847	10.186	ppbv	87
40) 1,4-Dioxane	4.587	88	58847	9.285	ppbv #	97
41) Tetrahydrofuran	3.059	42	152129	9.498	ppbv	100
42) Bromodichloromethane	4.499	83	297856	10.891	ppbv	97
43) Methyl Methacrylate	4.891	69	143508	9.394	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	637574	9.887	ppbv	97
45) t-1,3-Dichloropropene	6.428	75	149384	9.169	ppbv	96

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042983.D
Acq On : 23 Sep 2025 09:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 02:04:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	197209	9.498	ppbv		96
47) 1,1,2-Trichloroethane	6.590	97	146175	10.149	ppbv		97
48) Dibromochloromethane	7.396	129	241948	10.500	ppbv		99
49) Bromoform	9.490	173	201373	10.047	ppbv		100
50) 4-Methyl-2-Pentanone	5.758	43	371641	9.951	ppbv		99
51) 2-Hexanone	7.444	43	299396	10.057	ppbv	#	97
52) Tetrachloroethene	8.231	164	130498	9.033	ppbv		97
53) Toluene	6.943	91	424755	9.612	ppbv		100
54) 1,2-Dibromoethane	7.661	107	210744	10.396	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.933	131	181159	10.604	ppbv		98
57) Chlorobenzene	8.930	112	332694	10.210	ppbv		99
58) Ethyl Benzene	9.364	91	602544	10.281	ppbv		98
59) m/p-Xylene	9.558	91	964478m	20.873	ppbv		
60) o-Xylene	9.972	91	484224	10.485	ppbv		99
61) Styrene	9.878	104	212504	9.728	ppbv		97
62) Isopropylbenzene	10.545	105	703444	10.219	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.969	83	246998	10.175	ppbv		100
64) n-propylbenzene	10.995	120	181920	10.113	ppbv		94
65) tert-Butylbenzene	11.536	119	612510	10.004	ppbv		97
66) Benzyl Chloride	11.623	91	38429	5.982	ppbv		98
67) sec-Butylbenzene	11.772	105	877873	10.290	ppbv		98
69) p-Isopropyltoluene	11.930	119	733573	10.179	ppbv		98
70) n-Butylbenzene	12.286	91	744721	10.584	ppbv		99
71) 2-Chlorotoluene	10.908	91	531933	10.234	ppbv		98
72) 4-Ethyltoluene	11.131	105	592733	10.248	ppbv		98
73) 1,3,5-Trimethylbenzene	11.209	105	491234	10.472	ppbv		97
74) 1,2,4-Trimethylbenzene	11.542	105	545008	10.521	ppbv		96
75) 1,3-Dichlorobenzene	11.613	146	327787	10.203	ppbv		99
76) 1,4-Dichlorobenzene	11.678	146	328439	10.293	ppbv		98
77) 1,2-Dichlorobenzene	11.953	146	313228	10.247	ppbv		99
78) Hexachloro-1,3-Butadiene	13.885	225	214126	8.956	ppbv		99
79) Naphthalene	13.516	128	503948	11.001	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	125827	8.892	ppbv		95
81) 1,2,4-Trichlorobenzene	13.445	180	261685	10.684	ppbv		100

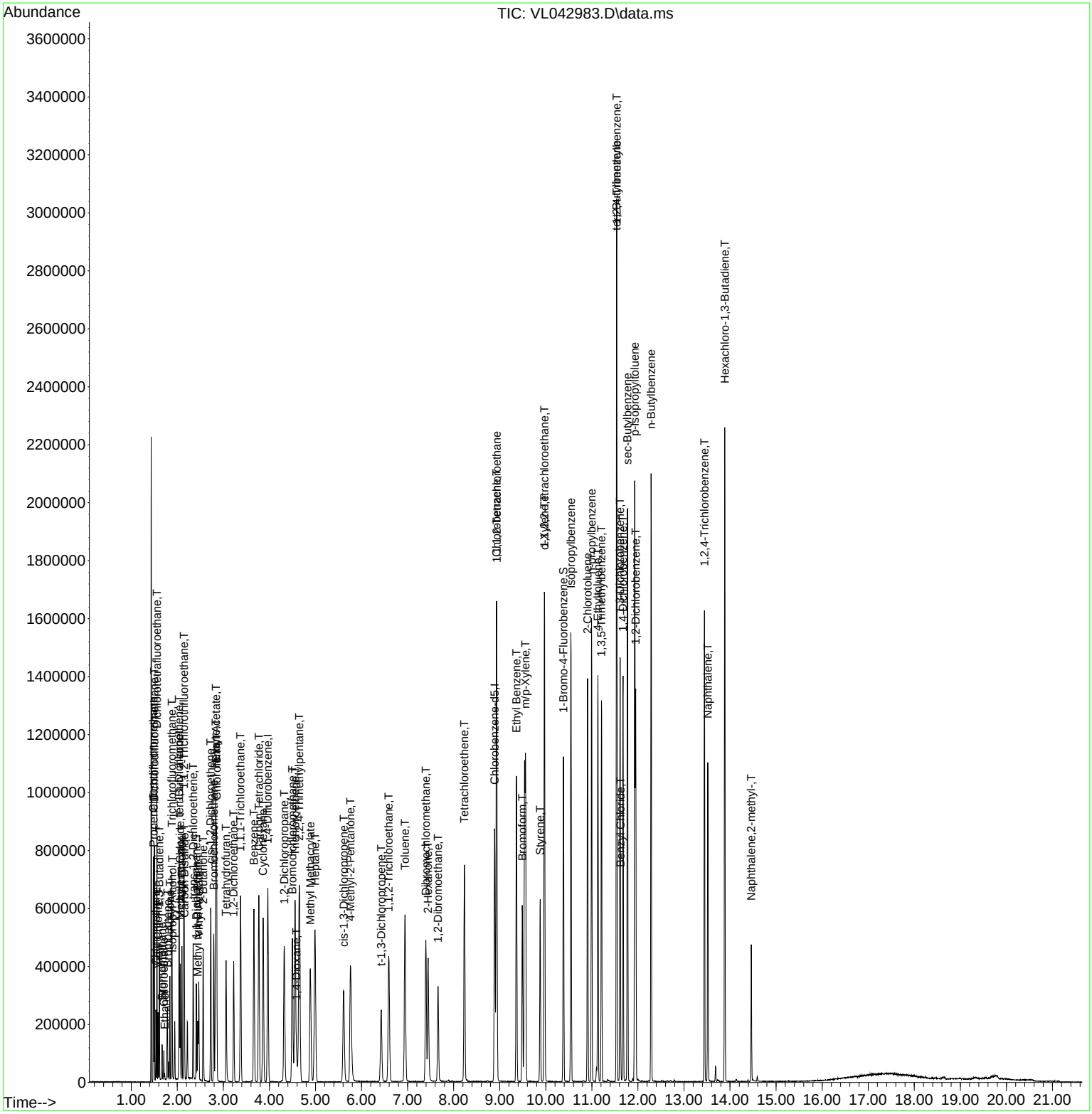
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042983.D
Acq On : 23 Sep 2025 09:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 02:04:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042983.D
Acq On : 23 Sep 2025 09:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Sep 24 02:04:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 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	82	0.00
2	T	Dichlorodifluoromethane	1.345	1.334	0.8	88	0.00
3		Chlorodifluoromethane	1.676	1.616	3.6	84	0.00
4		Chloromethane	0.609	0.557	8.5	82	0.00
5	T	Vinyl Chloride	0.550	0.480	12.7	84	0.00
6	T	Bromomethane	0.194	0.174	10.3	86	0.00
7		Chloroethane	0.214	0.191	10.7	80	0.00
8	T	Dichlorotetrafluoroethane	1.148	1.083	5.7	85	0.00
9	T	Propene	0.729	0.592	18.8	71	0.00
10	T	Heptane	1.946	1.727	11.3	76	0.02
11	T	Trichlorofluoromethane	1.297	1.320	-1.8	90	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.050	1.030	1.9	88	0.00
13		Ethanol	0.071	0.046#	35.2#	72	0.00
14	T	Bromoethene	0.397	0.369	7.1	84	0.00
15	T	Acetone	1.302	1.046	19.7	86	0.00
16	T	1,3-Butadiene	0.614	0.529	13.8	83	0.00
17		tert-Butyl alcohol	1.429	1.197	16.2	73	0.00
18	T	1,1-Dichloroethene	0.486	0.455	6.4	84	0.00
19	T	Isopropyl Alcohol	0.783	0.676	13.7	77	0.00
20	T	Methylene Chloride	0.545	0.398	27.0	84	0.00
21	T	Allyl Chloride	0.907	0.838	7.6	80	0.00
22	T	trans-1,2-Dichloroethene	0.552	0.511	7.4	83	0.00
23	T	Vinyl Acetate	1.861	1.648	11.4	85	0.00
24	T	1,1-Dichloroethane	1.083	1.039	4.1	86	0.00
25	T	Ethyl Acetate	3.292	3.019	8.3	79	0.00
26	T	Hexane	1.501	1.344	10.5	79	0.00
27	T	Carbon Disulfide	1.346	1.214	9.8	78	0.00
28	T	Methyl tert-Butyl Ether	0.780	0.655	16.0	84	0.00
29	T	Chloroform	1.962	2.009	-2.4	89	0.00
30	T	Cyclohexane	1.255	1.132	9.8	78	0.00
31	T	cis-1,2-Dichloroethene	1.406	1.343	4.5	81	0.00
32	T	1,1,1-Trichloroethane	2.119	1.956	7.7	84	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	75	0.01
34	T	2-Butanone	0.701	0.702	-0.1	81	0.00
35	T	Carbon Tetrachloride	0.651	0.703	-8.0	87	0.02
36	T	Benzene	0.939	0.940	-0.1	79	0.01
37	T	1,2-Dichloroethane	0.494	0.564	-14.2	91	0.00
38	T	Trichloroethene	0.467	0.440	5.8	78	0.02
39	T	1,2-Dichloropropane	0.343	0.349	-1.7	81	0.02
40	T	1,4-Dioxane	0.159	0.148	6.9	76	0.02
41	T	Tetrahydrofuran	0.403	0.383	5.0	74	0.01
42	T	Bromodichloromethane	0.688	0.749	-8.9	83	0.02
43		Methyl Methacrylate	0.384	0.361	6.0	74	0.02
44	T	2,2,4-Trimethylpentane	1.622	1.604	1.1	77	0.02
45	T	t-1,3-Dichloropropene	0.410	0.376	8.3	69	0.02
46	T	cis-1,3-Dichloropropene	0.522	0.496	5.0	72	0.02
47	T	1,1,2-Trichloroethane	0.362	0.368	-1.7	81	0.02
48	T	Dibromochloromethane	0.580	0.609	-5.0	81	0.01

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042983.D
Acq On : 23 Sep 2025 09:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Sep 24 02:04:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 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	0.504	0.506	-0.4	75	0.00
50	T	4-Methyl-2-Pentanone	0.939	0.935	0.4	76	0.02
51	T	2-Hexanone	0.749	0.753	-0.5	76	0.02
52	T	Tetrachloroethene	0.363	0.328	9.6	76	0.01
53	T	Toluene	1.111	1.068	3.9	75	0.02
54	T	1,2-Dibromoethane	0.510	0.530	-3.9	82	0.02
55	I	Chlorobenzene-d5	1.000	1.000	0.0	73	0.01
56		1,1,1,2-Tetrachloroethane	0.479	0.508	-6.1	81	0.01
57	T	Chlorobenzene	0.913	0.932	-2.1	80	0.01
58	T	Ethyl Benzene	1.642	1.688	-2.8	79	0.02
59	T	m/p-Xylene	1.295	1.351	-4.3	81	0.03
60	T	o-Xylene	1.294	1.357	-4.9	81	0.01
61	T	Styrene	0.612	0.595	2.8	72	0.01
62		Isopropylbenzene	1.929	1.971	-2.2	80	0.00
63	T	1,1,2,2-Tetrachloroethane	0.680	0.692	-1.8	83	0.01
64		n-propylbenzene	0.504	0.510	-1.2	79	0.00
65		tert-Butylbenzene	1.715	1.716	-0.1	81	0.00
66	T	Benzyl Chloride	0.180	0.108	40.0#	40	0.01
67		sec-Butylbenzene	2.390	2.460	-2.9	82	0.00
68	S	1-Bromo-4-Fluorobenzene	0.746	0.799	-7.1	77	0.01
69		p-Isopropyltoluene	2.019	2.055	-1.8	81	0.00
70		n-Butylbenzene	1.971	2.086	-5.8	81	0.00
71		2-Chlorotoluene	1.456	1.490	-2.3	80	0.01
72	T	4-Ethyltoluene	1.621	1.661	-2.5	80	0.00
73	T	1,3,5-Trimethylbenzene	1.314	1.376	-4.7	80	0.00
74	T	1,2,4-Trimethylbenzene	1.451	1.527	-5.2	83	0.00
75	T	1,3-Dichlorobenzene	0.900	0.918	-2.0	80	0.00
76	T	1,4-Dichlorobenzene	0.894	0.920	-2.9	80	0.00
77	T	1,2-Dichlorobenzene	0.856	0.878	-2.6	81	0.00
78	T	Hexachloro-1,3-Butadiene	0.670	0.600	10.4	76	0.00
79	T	Naphthalene	1.283	1.412	-10.1	75	0.00
80	T	Naphthalene,2-methyl-	0.396	0.353	10.9	64	0.00
81	T	1,2,4-Trichlorobenzene	0.686	0.733	-6.9	75	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\VL092325\
Data File : VL042983.D
Acq On : 23 Sep 2025 09:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Sep 24 02:04:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 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	82	0.00
2	T	Dichlorodifluoromethane	10.000	9.921	0.8	88	0.00
3		Chlorodifluoromethane	10.000	9.643	3.6	84	0.00
4		Chloromethane	10.000	9.147	8.5	82	0.00
5	T	Vinyl Chloride	10.000	8.722	12.8	84	0.00
6	T	Bromomethane	10.000	8.975	10.3	86	0.00
7		Chloroethane	10.000	8.948	10.5	80	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.434	5.7	85	0.00
9	T	Propene	10.000	8.122	18.8	71	0.00
10	T	Heptane	10.000	8.876	11.2	76	0.02
11	T	Trichlorofluoromethane	10.000	10.181	-1.8	90	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.809	1.9	88	0.00
13		Ethanol	10.000	6.559	34.4#	72	0.00
14	T	Bromoethene	10.000	9.295	7.1	84	0.00
15	T	Acetone	10.000	8.031	19.7	86	0.00
16	T	1,3-Butadiene	10.000	8.604	14.0	83	0.00
17		tert-Butyl alcohol	10.000	8.383	16.2	73	0.00
18	T	1,1-Dichloroethene	10.000	9.368	6.3	84	0.00
19	T	Isopropyl Alcohol	10.000	8.633	13.7	77	0.00
20	T	Methylene Chloride	10.000	10.264	-2.6	84	0.00
21	T	Allyl Chloride	10.000	9.235	7.7	80	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.260	7.4	83	0.00
23	T	Vinyl Acetate	10.000	8.857	11.4	85	0.00
24	T	1,1-Dichloroethane	10.000	9.596	4.0	86	0.00
25	T	Ethyl Acetate	10.000	9.170	8.3	79	0.00
26	T	Hexane	10.000	8.959	10.4	79	0.00
27	T	Carbon Disulfide	10.000	9.019	9.8	78	0.00
28	T	Methyl tert-Butyl Ether	10.000	8.393	16.1	84	0.00
29	T	Chloroform	10.000	10.239	-2.4	89	0.00
30	T	Cyclohexane	10.000	9.022	9.8	78	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.555	4.5	81	0.00
32	T	1,1,1-Trichloroethane	10.000	9.228	7.7	84	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	75	0.01
34	T	2-Butanone	10.000	10.023	-0.2	81	0.00
35	T	Carbon Tetrachloride	10.000	10.791	-7.9	87	0.02
36	T	Benzene	10.000	10.014	-0.1	79	0.01
37	T	1,2-Dichloroethane	10.000	11.424	-14.2	91	0.00
38	T	Trichloroethene	10.000	9.427	5.7	78	0.02
39	T	1,2-Dichloropropane	10.000	10.186	-1.9	81	0.02
40	T	1,4-Dioxane	10.000	9.285	7.1	76	0.02
41	T	Tetrahydrofuran	10.000	9.498	5.0	74	0.01
42	T	Bromodichloromethane	10.000	10.891	-8.9	83	0.02
43		Methyl Methacrylate	10.000	9.394	6.1	74	0.02
44	T	2,2,4-Trimethylpentane	10.000	9.887	1.1	77	0.02
45	T	t-1,3-Dichloropropene	10.000	9.169	8.3	69	0.02
46	T	cis-1,3-Dichloropropene	10.000	9.498	5.0	72	0.02
47	T	1,1,2-Trichloroethane	10.000	10.149	-1.5	81	0.02
48	T	Dibromochloromethane	10.000	10.500	-5.0	81	0.01

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042983.D
Acq On : 23 Sep 2025 09:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
LabSampleId : VSTDCCC010

Quant Time: Sep 24 02:04:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 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	10.047	-0.5	75	0.00
50	T	4-Methyl-2-Pentanone	10.000	9.951	0.5	76	0.02
51	T	2-Hexanone	10.000	10.057	-0.6	76	0.02
52	T	Tetrachloroethene	10.000	9.033	9.7	76	0.01
53	T	Toluene	10.000	9.612	3.9	75	0.02
54	T	1,2-Dibromoethane	10.000	10.396	-4.0	82	0.02
55	I	Chlorobenzene-d5	10.000	10.000	0.0	73	0.01
56		1,1,1,2-Tetrachloroethane	10.000	10.604	-6.0	81	0.01
57	T	Chlorobenzene	10.000	10.210	-2.1	80	0.01
58	T	Ethyl Benzene	10.000	10.281	-2.8	79	0.02
59	T	m/p-Xylene	20.000	20.873	-4.4	81	0.03
60	T	o-Xylene	10.000	10.485	-4.8	81	0.01
61	T	Styrene	10.000	9.728	2.7	72	0.01
62		Isopropylbenzene	10.000	10.219	-2.2	80	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	10.175	-1.8	83	0.01
64		n-propylbenzene	10.000	10.113	-1.1	79	0.00
65		tert-Butylbenzene	10.000	10.004	-0.0	81	0.00
66	T	Benzyl Chloride	10.000	5.982	40.2#	40	0.01
67		sec-Butylbenzene	10.000	10.290	-2.9	82	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.709	-7.1	77	0.01
69		p-Isopropyltoluene	10.000	10.179	-1.8	81	0.00
70		n-Butylbenzene	10.000	10.584	-5.8	81	0.00
71		2-Chlorotoluene	10.000	10.234	-2.3	80	0.01
72	T	4-Ethyltoluene	10.000	10.248	-2.5	80	0.00
73	T	1,3,5-Trimethylbenzene	10.000	10.472	-4.7	80	0.00
74	T	1,2,4-Trimethylbenzene	10.000	10.521	-5.2	83	0.00
75	T	1,3-Dichlorobenzene	10.000	10.203	-2.0	80	0.00
76	T	1,4-Dichlorobenzene	10.000	10.293	-2.9	80	0.00
77	T	1,2-Dichlorobenzene	10.000	10.247	-2.5	81	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	8.956	10.4	76	0.00
79	T	Naphthalene	10.000	11.001	-10.0	75	0.00
80	T	Naphthalene,2-methyl-	10.000	8.892	11.1	64	0.00
81	T	1,2,4-Trichlorobenzene	10.000	10.684	-6.8	75	0.00

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042984.D
Acq On : 23 Sep 2025 10:01
Operator : SY/MD
Sample : VL0923ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABL01

Quant Time: Sep 24 02:05:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

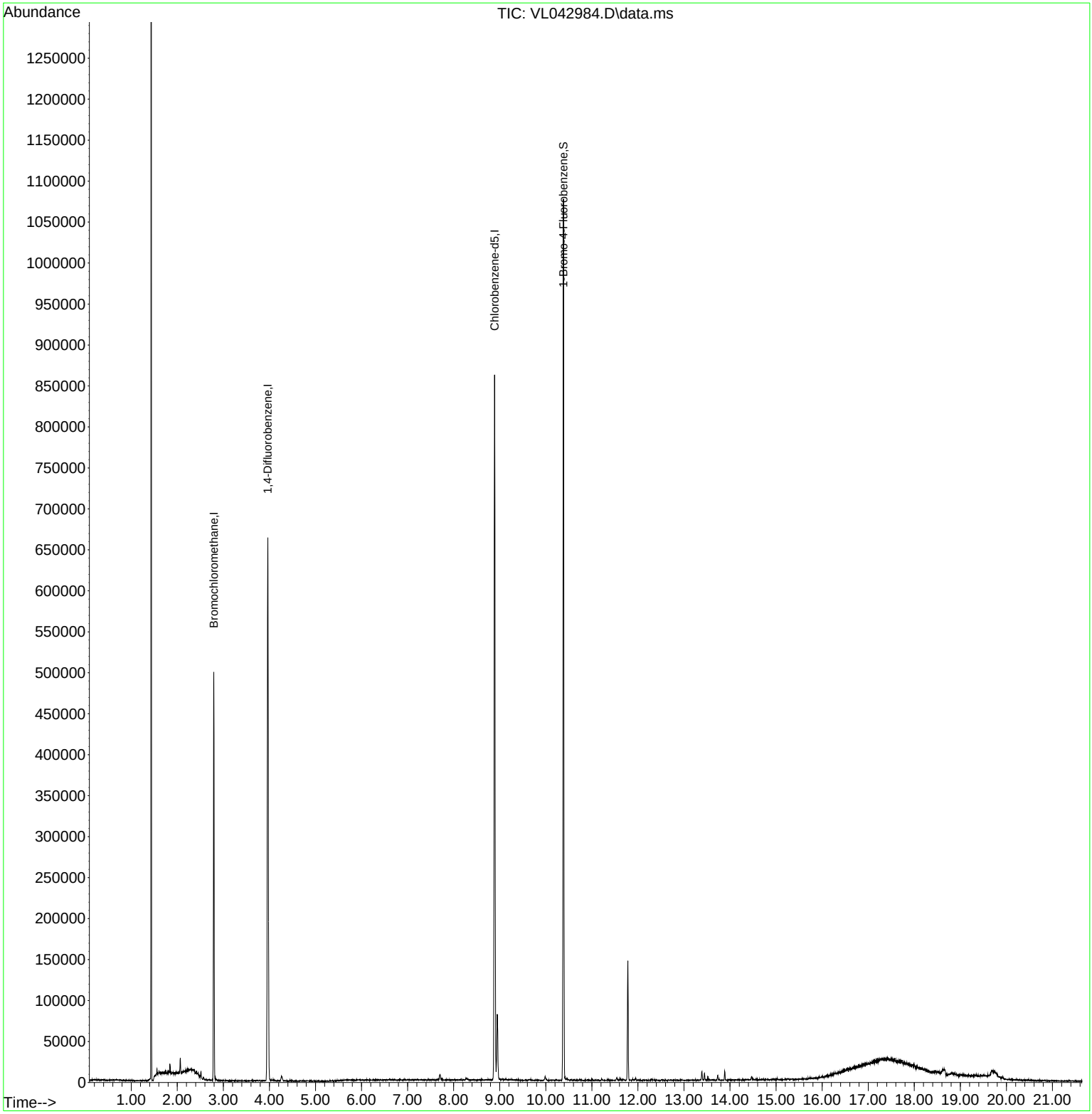
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.794	49	140749	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	395903	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	343517	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	271935	10.605	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.000%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042984.D
Acq On : 23 Sep 2025 10:01
Operator : SY/MD
Sample : VL0923ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABL01

Quant Time: Sep 24 02:05:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042985.D
Acq On : 23 Sep 2025 10:46
Operator : SY/MD
Sample : VL0923ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 02:05:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	141345	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	400881	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	355060	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	285118	10.757	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	189707	9.979	ppbv	98
3) Chlorodifluoromethane	1.476	51	229022	9.665	ppbv	96
4) Chloromethane	1.534	50	80187	9.319	ppbv	99
5) Vinyl Chloride	1.580	62	68503	8.806	ppbv	98
6) Bromomethane	1.667	94	24823	9.046	ppbv	97
7) Chloroethane	1.706	64	27737	9.182	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	155561	9.585	ppbv	99
9) Propene	1.482	41	83859	8.135	ppbv	96
10) Heptane	4.981	43	244830	8.900	ppbv	99
11) Trichlorofluoromethane	1.877	101	187304	10.218	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	145246	9.785	ppbv	100
13) Ethanol	1.722	45	6053	6.053	ppbv	93
14) Bromoethene	1.783	108	52420	9.341	ppbv	99
15) Acetone	1.835	43	151197	8.213	ppbv	95
16) 1,3-Butadiene	1.609	39	75511	8.696	ppbv	95
17) tert-Butyl alcohol	2.039	59	167211	8.281	ppbv	99
18) 1,1-Dichloroethene	2.036	96	65099	9.475	ppbv	98
19) Isopropyl Alcohol	1.887	45	91978	8.311	ppbv	95
20) Methylene Chloride	2.062	84	56301	10.276	ppbv	99
21) Allyl Chloride	2.097	41	119358	9.310	ppbv	95
22) trans-1,2-Dichloroethene	2.340	96	74438	9.534	ppbv	97
23) Vinyl Acetate	2.463	43	213995	8.137	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	146400	9.562	ppbv	98
25) Ethyl Acetate	2.835	43	424873	9.132	ppbv	99
26) Hexane	2.826	57	189786	8.948	ppbv	98
27) Carbon Disulfide	2.149	76	171644	9.023	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	84694	7.682	ppbv	95
29) Chloroform	2.848	83	283787	10.233	ppbv	99
30) Cyclohexane	3.855	84	158294	8.927	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	189377	9.532	ppbv	98
32) 1,1,1-Trichloroethane	3.369	97	273236	9.122	ppbv	98
34) 2-Butanone	2.557	43	277525	9.878	ppbv	100
35) Carbon Tetrachloride	3.764	117	284218	10.890	ppbv	99
36) Benzene	3.657	78	374729	9.954	ppbv	97
37) 1,2-Dichloroethane	3.217	62	225333	11.381	ppbv	97
38) Trichloroethene	4.548	130	175469	9.379	ppbv	95
39) 1,2-Dichloropropane	4.315	63	137775	10.025	ppbv	94
40) 1,4-Dioxane	4.577	88	56926	8.908	ppbv #	99
41) Tetrahydrofuran	3.052	42	153071	9.479	ppbv	99
42) Bromodichloromethane	4.489	83	301564	10.937	ppbv	98
43) Methyl Methacrylate	4.878	69	143822	9.338	ppbv	99
44) 2,2,4-Trimethylpentane	4.641	57	644168	9.907	ppbv	97
45) t-1,3-Dichloropropene	6.415	75	146403	8.913	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042985.D
Acq On : 23 Sep 2025 10:46
Operator : SY/MD
Sample : VL0923ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 02:05:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	199882	9.548	ppbv		98
47) 1,1,2-Trichloroethane	6.580	97	146862	10.114	ppbv		98
48) Dibromochloromethane	7.389	129	239646	10.315	ppbv		100
49) Bromoform	9.487	173	200469	9.920	ppbv		99
50) 4-Methyl-2-Pentanone	5.748	43	376317	9.994	ppbv		98
51) 2-Hexanone	7.438	43	296793	9.888	ppbv	#	96
52) Tetrachloroethene	8.228	164	129889	8.917	ppbv		97
53) Toluene	6.933	91	429817	9.647	ppbv		100
54) 1,2-Dibromoethane	7.655	107	207545	10.155	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.927	131	178090	10.479	ppbv		99
57) Chlorobenzene	8.924	112	334709	10.326	ppbv		97
58) Ethyl Benzene	9.357	91	594235	10.192	ppbv		99
59) m/p-Xylene	9.551	91	960667m	20.900	ppbv		
60) o-Xylene	9.966	91	478503	10.416	ppbv		99
61) Styrene	9.872	104	213951	9.846	ppbv		99
62) Isopropylbenzene	10.542	105	701023	10.237	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.962	83	246097	10.192	ppbv		99
64) n-propylbenzene	10.992	120	182650	10.207	ppbv		96
65) tert-Butylbenzene	11.532	119	617982	10.146	ppbv		99
66) Benzyl Chloride	11.616	91	37909	5.932	ppbv		96
67) sec-Butylbenzene	11.769	105	870866	10.261	ppbv		98
69) p-Isopropyltoluene	11.927	119	731903	10.209	ppbv		98
70) n-Butylbenzene	12.283	91	755608	10.795	ppbv		98
71) 2-Chlorotoluene	10.901	91	536204	10.370	ppbv		97
72) 4-Ethyltoluene	11.124	105	591673	10.283	ppbv		99
73) 1,3,5-Trimethylbenzene	11.205	105	488186	10.461	ppbv		99
74) 1,2,4-Trimethylbenzene	11.539	105	537697	10.434	ppbv		94
75) 1,3-Dichlorobenzene	11.607	146	320019	10.013	ppbv		98
76) 1,4-Dichlorobenzene	11.671	146	325338	10.250	ppbv		99
77) 1,2-Dichlorobenzene	11.947	146	313262	10.302	ppbv		99
78) Hexachloro-1,3-Butadiene	13.882	225	213384	8.972	ppbv		99
79) Naphthalene	13.513	128	492107	10.799	ppbv		99
80) Naphthalene,2-methyl-	14.458	142	129885	9.227	ppbv		98
81) 1,2,4-Trichlorobenzene	13.439	180	258061	10.592	ppbv		99

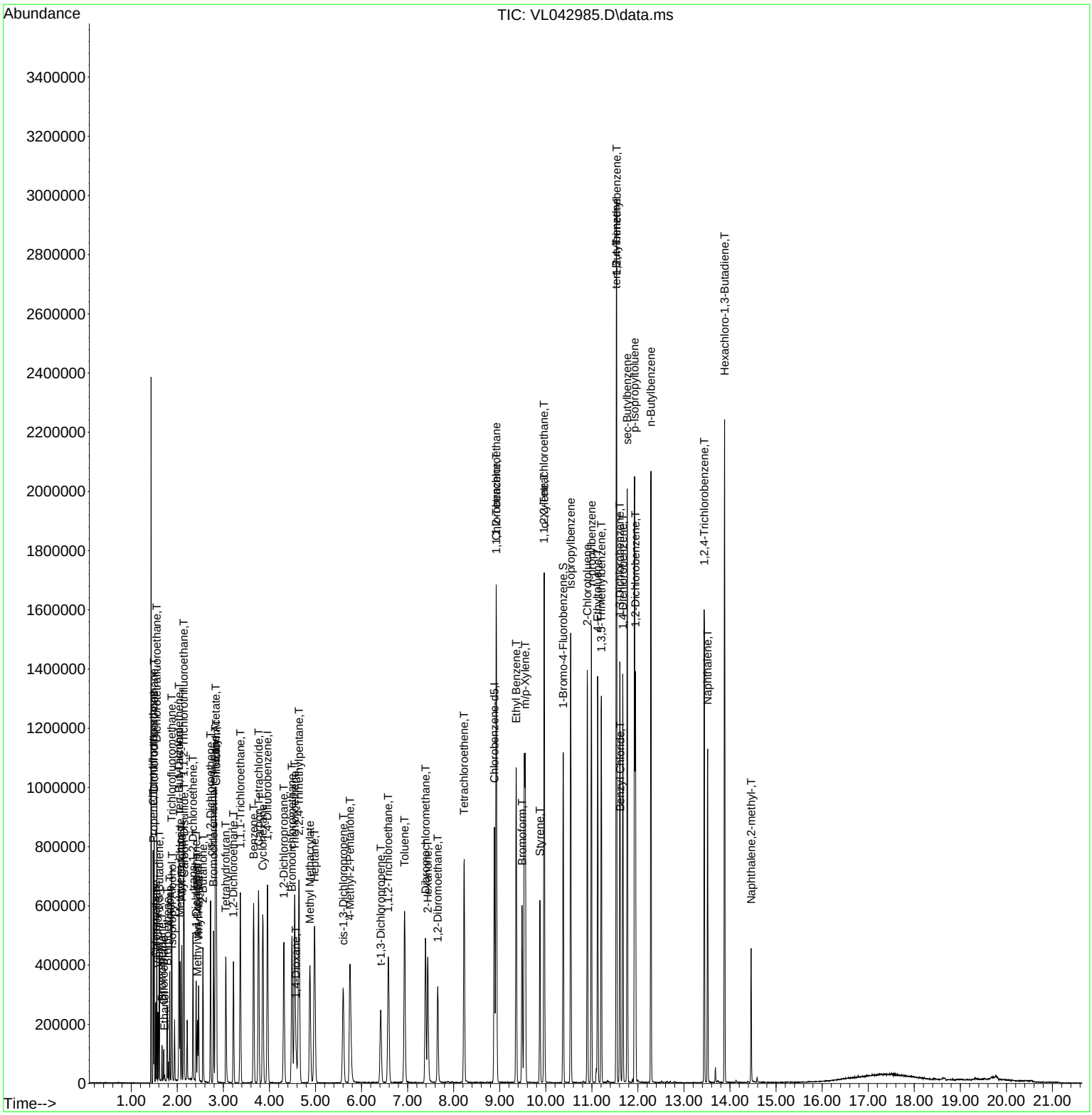
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042985.D
Acq On : 23 Sep 2025 10:46
Operator : SY/MD
Sample : VL0923ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 02:05:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042989.D
Acq On : 23 Sep 2025 13:26
Operator : SY/MD
Sample : CAN 10747
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10747

Quant Time: Sep 24 02:07:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

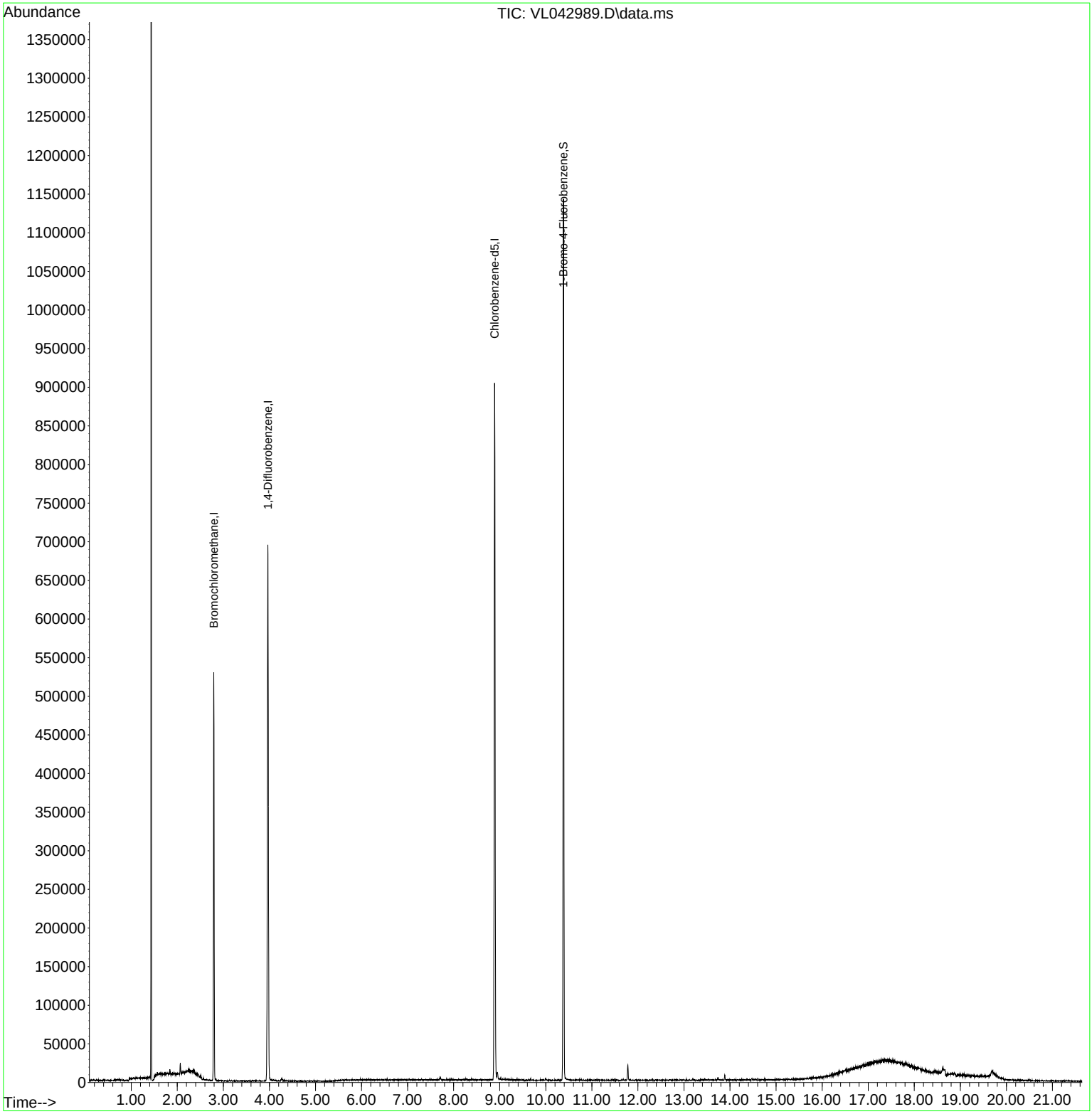
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	149203	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	404080	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	359428	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	280412	10.451	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.500%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
Data File : VL042989.D
Acq On : 23 Sep 2025 13:26
Operator : SY/MD
Sample : CAN 10747
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10747

Quant Time: Sep 24 02:07:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration



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 # VL052925

Review By	Semsettin Yesilyurt	Review On	5/30/2025 7:50:21 AM				
Supervise By	Mahesh Dadoda	Supervise On	5/30/2025 12:26:19 PM				
SubDirectory	VL052925	HP Acquire Method	TO15AIR.M		HP Processing Method	VL052925AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2629
Initial Calibration Stds	AP2623,AP2625,AP2626
CCC	AP2623
Internal Standard/PEM	AP2629
ICV/I.BLK	AP2627
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042578.D	29 May 2025 08:05	SY/MD	Ok
2	VSTDICCC010	VL042579.D	29 May 2025 11:09	SY/MD	Ok,M
3	VSTDICC002	VL042580.D	29 May 2025 11:43	SY/MD	Ok,M
4	VSTDICC001	VL042581.D	29 May 2025 12:15	SY/MD	Ok,M
5	VSTDICC0.5	VL042582.D	29 May 2025 12:47	SY/MD	Ok,M
6	VSTDICC0.1	VL042583.D	29 May 2025 13:19	SY/MD	Ok,M
7	VSTDICC0.03	VL042584.D	29 May 2025 13:51	SY/MD	Ok,M
8	VSTDICC015	VL042585.D	29 May 2025 14:24	SY/MD	Ok,M
9	VSTDICV010	VL042586.D	29 May 2025 14:56	SY/MD	Ok,M
10	VL0529ABL01	VL042587.D	29 May 2025 15:44	SY/MD	Not Ok
11	VL0529ABL02	VL042588.D	29 May 2025 16:50	SY/MD	Ok
12	Q2124-01	VL042589.D	29 May 2025 17:22	SY/MD	Dilution
13	Q2124-01DL	VL042590.D	29 May 2025 17:55	SY/MD	Ok,M
14	VL0529ABS01	VL042591.D	29 May 2025 18:27	SY/MD	Ok,M
15	Q2124-02	VL042592.D	29 May 2025 19:00	SY/MD	Ok,M
16	Q2124-02DL	VL042593.D	29 May 2025 19:32	SY/MD	Not Ok
17	Q2124-03	VL042594.D	29 May 2025 20:05	SY/MD	Ok,M
18	Q2124-03DL	VL042595.D	29 May 2025 20:37	SY/MD	Not Ok
19	Q2124-01DUP	VL042596.D	29 May 2025 21:10	SY/MD	Not Ok
20	QC052725 CAN 10609	VL042597.D	29 May 2025 21:44	SY/MD	Not Ok
21	QC052725 CAN 10609	VL042598.D	29 May 2025 22:18	SY/MD	Ok

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL052925

Review By	Semsettin Yesilyurt	Review On	5/30/2025 7:50:21 AM				
Supervise By	Mahesh Dadoda	Supervise On	5/30/2025 12:26:19 PM				
SubDirectory	VL052925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL052925AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2629
Initial Calibration Stds	AP2623,AP2625,AP2626
CCC	AP2623
Internal Standard/PEM	AP2629
ICV/I.BLK	AP2627
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	CAN10053	VL042599.D	29 May 2025 22:52	SY/MD	Ok
23	QC05225 CAN 10154	VL042600.D	29 May 2025 23:26	SY/MD	Ok
24	Q2124-01DUP	VL042601.D	29 May 2025 23:58	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL091725

Review By	Semsettin Yesilyurt	Review On	9/18/2025 8:35:15 AM				
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:24:41 PM				
SubDirectory	VL091725	HP Acquire Method	TO15AIR		HP Processing Method	VL091725AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2664
Initial Calibration Stds	AP2666,AP2668,AP2669
CCC	AP2666
Internal Standard/PEM	AP2664
ICV/I.BLK	AP2671
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042928.D	17 Sep 2025 07:51	SY/MD	Ok
2	VSTDICCC010	VL042929.D	17 Sep 2025 10:12	SY/MD	Not Ok
3	VSTDICC002	VL042930.D	17 Sep 2025 10:48	SY/MD	Ok,M
4	VSTDICC001	VL042931.D	17 Sep 2025 11:23	SY/MD	Ok,M
5	VSTDICC0.5	VL042932.D	17 Sep 2025 11:58	SY/MD	Ok,M
6	VSTDICC0.1	VL042933.D	17 Sep 2025 12:32	SY/MD	Ok,M
7	VSTDICC0.03	VL042934.D	17 Sep 2025 13:07	SY/MD	Ok,M
8	VSTDICCC010	VL042935.D	17 Sep 2025 13:42	SY/MD	Ok,M
9	VSTDICC015	VL042936.D	17 Sep 2025 14:17	SY/MD	Ok,M
10	VSTDICV010	VL042937.D	17 Sep 2025 14:52	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL091825

Review By	Semsettin Yesilyurt	Review On	9/19/2025 9:39:49 AM				
Supervise By	Mahesh Dadoda	Supervise On	9/24/2025 2:15:54 AM				
SubDirectory	VL091825	HP Acquire Method	TO15AIR		HP Processing Method	VL091725AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2664
Initial Calibration Stds	AP2666,AP2668,AP2669
CCC	AP2666
Internal Standard/PEM	AP2664
ICV/I.BLK	AP2671
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042938.D	18 Sep 2025 07:46	SY/MD	Ok
2	VSTDCCC010	VL042939.D	18 Sep 2025 09:38	SY/MD	Ok,M
3	VL0918ABL01	VL042940.D	18 Sep 2025 11:01	SY/MD	Ok
4	VL0918ABS01	VL042941.D	18 Sep 2025 11:37	SY/MD	Not Ok
5	QC091125 CAN 10060	VL042942.D	18 Sep 2025 12:14	SY/MD	Ok
6	VL0918ABS02	VL042943.D	18 Sep 2025 12:49	SY/MD	Ok,M
7	Q3111-02DL	VL042944.D	18 Sep 2025 14:01	SY/MD	Not Ok
8	Q3111-02	VL042945.D	18 Sep 2025 14:37	SY/MD	Dilution
9	Q3111-02DUP	VL042946.D	18 Sep 2025 15:13	SY/MD	Ok,M
10	Q3111-02DL	VL042947.D	18 Sep 2025 15:50	SY/MD	Ok,M
11	Q3111-01	VL042948.D	18 Sep 2025 16:30	SY/MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL092225

Review By	Mahesh Dadoda	Review On	9/24/2025 2:18:14 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/24/2025 2:26:00 AM		
SubDirectory	VL092225	HP Acquire Method	TO15AIR	HP Processing Method	VL092225AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2676
Initial Calibration Stds	AP2673,AP2674,AP2675
CCC	AP2673
Internal Standard/PEM	AP2676
ICV/I.BLK	AP2671
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042949.D	22 Sep 2025 08:55	SY/MD	Ok
2	VSTDICCC010	VL042950.D	22 Sep 2025 09:39	SY/MD	Ok,M
3	VSTDICC002	VL042951.D	22 Sep 2025 10:14	SY/MD	Ok,M
4	VSTDICC001	VL042952.D	22 Sep 2025 10:48	SY/MD	Ok,M
5	VSTDICC0.5	VL042953.D	22 Sep 2025 11:22	SY/MD	Ok,M
6	VSTDICC0.1	VL042954.D	22 Sep 2025 11:56	SY/MD	Ok,M
7	VSTDICC0.03	VL042955.D	22 Sep 2025 12:30	SY/MD	Ok,M
8	VSTDICC015	VL042956.D	22 Sep 2025 13:05	SY/MD	Ok,M
9	VSTDICV010	VL042957.D	22 Sep 2025 14:15	SY/MD	Ok,M
10	VL0922ABL01	VL042958.D	22 Sep 2025 15:06	SY/MD	Ok
11	VL0922ABS01	VL042959.D	22 Sep 2025 15:52	SY/MD	Ok,M
12	Q3111-01	VL042960.D	22 Sep 2025 16:53	SY/MD	Dilution
13	Q3111-01DL	VL042961.D	22 Sep 2025 17:28	SY/MD	Ok,M
14	Q3112-01	VL042962.D	22 Sep 2025 18:04	SY/MD	Ok,M
15	Q3112-01DL	VL042963.D	22 Sep 2025 18:39	SY/MD	Not Ok
16	Q3112-02	VL042964.D	22 Sep 2025 19:14	SY/MD	Dilution
17	Q3112-02DL	VL042965.D	22 Sep 2025 19:49	SY/MD	Ok
18	Q3112-03	VL042966.D	22 Sep 2025 20:24	SY/MD	Ok,M
19	Q3112-03DL	VL042967.D	22 Sep 2025 20:59	SY/MD	Not Ok
20	VIBLK	VL042968.D	22 Sep 2025 21:35	SY/MD	Ok
21	Q3130-02	VL042969.D	22 Sep 2025 22:11	SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL092225

Review By	Mahesh Dadoda	Review On	9/24/2025 2:18:14 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/24/2025 2:26:00 AM		
SubDirectory	VL092225	HP Acquire Method	TO15AIR	HP Processing Method	VL092225AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2676
Initial Calibration Stds	AP2673,AP2674,AP2675
CCC	AP2673
Internal Standard/PEM	AP2676
ICV/I.BLK	AP2671
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3130-02DUP	VL042970.D	22 Sep 2025 22:48	SY/MD	Ok,M
23	Q3130-02DL	VL042971.D	22 Sep 2025 23:23	SY/MD	Not Ok
24	Q3130-01	VL042972.D	23 Sep 2025 00:00	SY/MD	Ok,M
25	Q3130-01DL	VL042973.D	23 Sep 2025 00:35	SY/MD	Not Ok
26	Q3131-01	VL042974.D	23 Sep 2025 01:11	SY/MD	Dilution
27	Q3131-01DL	VL042975.D	23 Sep 2025 01:46	SY/MD	Ok,M
28	Q3131-02	VL042976.D	23 Sep 2025 02:22	SY/MD	Dilution
29	Q3131-02DL	VL042977.D	23 Sep 2025 02:57	SY/MD	Ok,M
30	Q3132-01	VL042978.D	23 Sep 2025 03:33	SY/MD	Dilution
31	Q3132-01DL	VL042979.D	23 Sep 2025 04:08	SY/MD	Ok,M
32	Q3132-02	VL042980.D	23 Sep 2025 04:44	SY/MD	Ok,M
33	Q3132-02DL	VL042981.D	23 Sep 2025 05:19	SY/MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL092325

Review By	Semsettin Yesilyurt	Review On	9/24/2025 9:13:51 AM				
Supervise By	Mahesh Dadoda	Supervise On	9/26/2025 1:40:16 AM				
SubDirectory	VL092325	HP Acquire Method	TO15AIR		HP Processing Method	VL092225AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2676
Initial Calibration Stds	AP2673,AP2674,AP2675
CCC	AP2673
Internal Standard/PEM	AP2676
ICV/I.BLK	AP2671
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042982.D	23 Sep 2025 08:30	SY/MD	Ok
2	VSTDCCC010	VL042983.D	23 Sep 2025 09:14	SY/MD	Ok,M
3	VL0923ABL01	VL042984.D	23 Sep 2025 10:01	SY/MD	Ok
4	VL0923ABS01	VL042985.D	23 Sep 2025 10:46	SY/MD	Ok,M
5	CAN 10147	VL042986.D	23 Sep 2025 11:40	SY/MD	Ok
6	CAN 10136	VL042987.D	23 Sep 2025 12:15	SY/MD	Ok
7	CAN 10684	VL042988.D	23 Sep 2025 12:50	SY/MD	Ok
8	CAN 10747	VL042989.D	23 Sep 2025 13:26	SY/MD	Ok
9	CAN 10420	VL042990.D	23 Sep 2025 14:01	SY/MD	Ok
10	CAN 10743	VL042991.D	23 Sep 2025 14:37	SY/MD	Ok
11	CAN 10668	VL042992.D	23 Sep 2025 15:13	SY/MD	Ok
12	Q2893-14 0.5 PPB LOQ	VL042993.D	23 Sep 2025 15:49	SY/MD	ReRun
13	Q2893-14 0.1 PPB LOQ	VL042994.D	23 Sep 2025 16:25	SY/MD	Ok,M
14	Q2893-13 0.45	VL042995.D	23 Sep 2025 17:01	SY/MD	Ok,M
15	Q2893-13 0.40	VL042996.D	23 Sep 2025 17:36	SY/MD	Ok,M
16	Q2893-13 0.1	VL042997.D	23 Sep 2025 18:12	SY/MD	Ok,M
17	Q2893-13 0.03	VL042998.D	23 Sep 2025 18:48	SY/MD	Ok,M
18	Q2893-14 0.03	VL042999.D	23 Sep 2025 19:24	SY/MD	ReRun

M : Manual Integration

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

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

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	186533	9.525	ppbv		100
47) 1,1,2-Trichloroethane	6.584	97	115419	9.082	ppbv		100
48) Dibromochloromethane	7.390	129	201349	9.476	ppbv		100
49) Bromoform	9.487	173	166377	9.633	ppbv		100
50) 4-Methyl-2-Pentanone	5.755	43	298401	9.362	ppbv		100
51) 2-Hexanone	7.438	43	236391	9.940	ppbv		100
52) Tetrachloroethene	8.228	164	106710	9.192	ppbv		100
53) Toluene	6.940	91	354007	9.266	ppbv		100
54) 1,2-Dibromoethane	7.658	107	182074	9.080	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.927	131	182585	9.367	ppbv		100
57) Chlorobenzene	8.927	112	262566	9.076	ppbv		100
58) Ethyl Benzene	9.358	91	494344	9.241	ppbv		100
59) m/p-Xylene	9.536	91	403670	9.529	ppbv	#	29
60) o-Xylene	9.969	91	378462	9.053	ppbv		100
61) Styrene	9.875	104	178859	9.477	ppbv		100
62) Isopropylbenzene	10.542	105	692992	9.173	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.966	83	240245	8.582	ppbv		100
64) n-propylbenzene	10.992	120	182233	9.112	ppbv		100
65) tert-Butylbenzene	11.536	119	587750	8.810	ppbv		100
66) Benzyl Chloride	11.617	91	74574	10.009	ppbv		100
67) sec-Butylbenzene	11.769	105	834052	8.809	ppbv		100
69) p-Isopropyltoluene	11.927	119	720433	8.955	ppbv		100
70) n-Butylbenzene	12.283	91	717743	9.053	ppbv		100
71) 2-Chlorotoluene	10.905	91	524961	9.111	ppbv		100
72) 4-Ethyltoluene	11.128	105	473042	9.202	ppbv		100
73) 1,3,5-Trimethylbenzene	11.206	105	389818	9.195	ppbv		100
74) 1,2,4-Trimethylbenzene	11.539	105	411619	8.676	ppbv		100
75) 1,3-Dichlorobenzene	11.610	146	252926	9.192	ppbv		100
76) 1,4-Dichlorobenzene	11.675	146	254461	9.171	ppbv		100
77) 1,2-Dichlorobenzene	11.950	146	236724	8.893	ppbv		100
78) Hexachloro-1,3-Butadiene	13.886	225	171777	8.334	ppbv		100
79) Naphthalene	13.517	128	488672	9.972	ppbv		100
80) Naphthalene,2-methyl-	14.458	142	147897	11.431	ppbv		100
81) 1,2,4-Trichlorobenzene	13.442	180	197210	9.582	ppbv		100

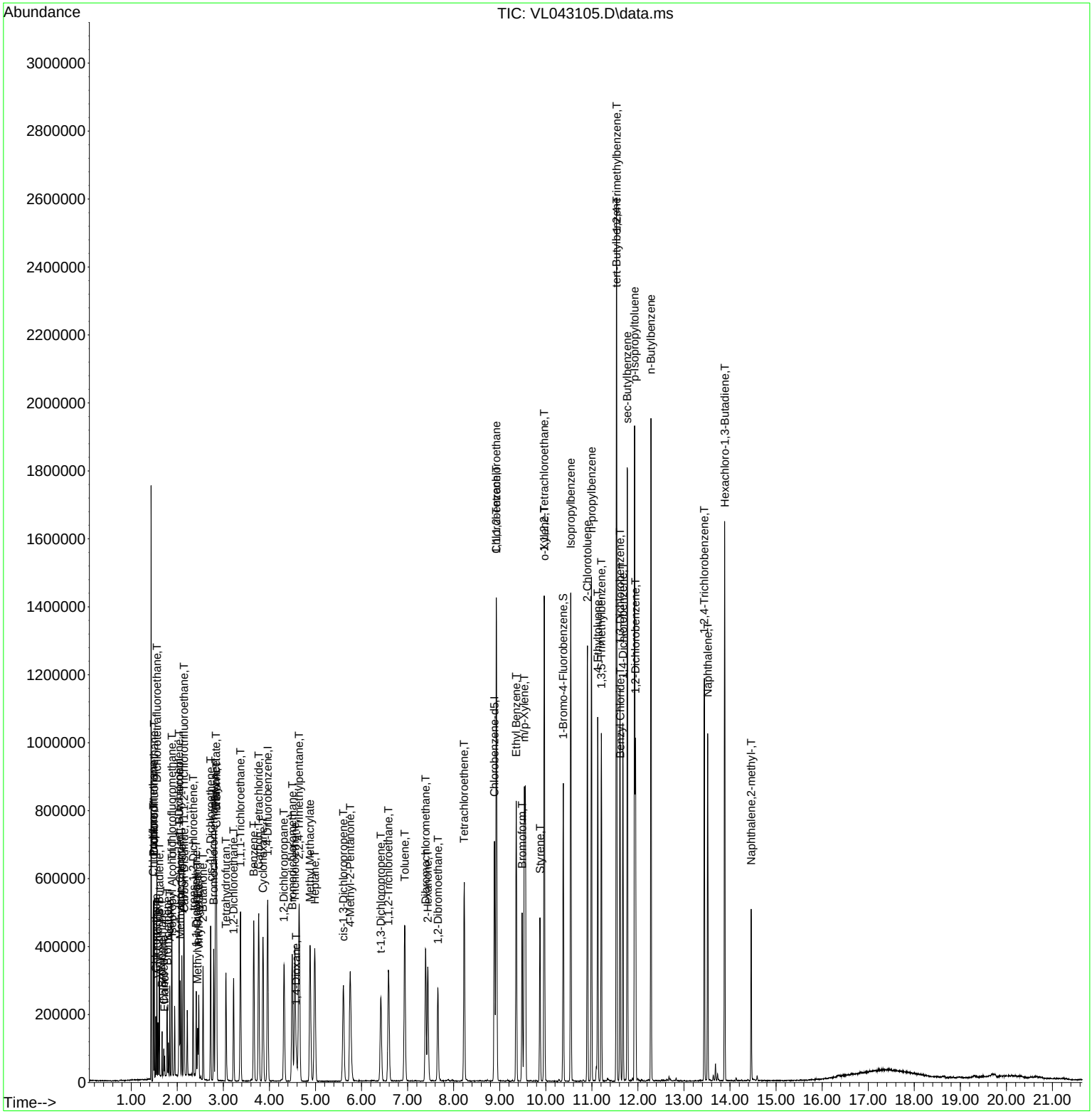
(#) = qualifier out of range (m) = manual integration (+) = signals summed

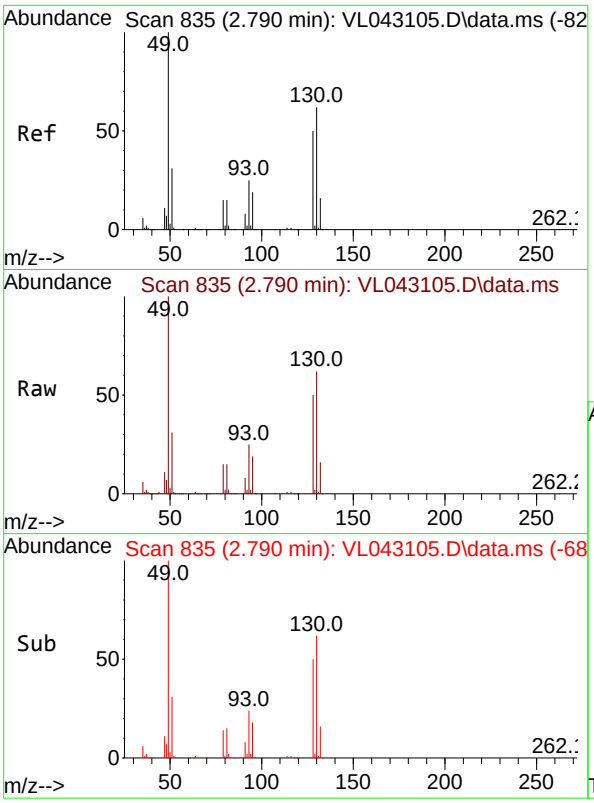
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Oct 15 01:51:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration



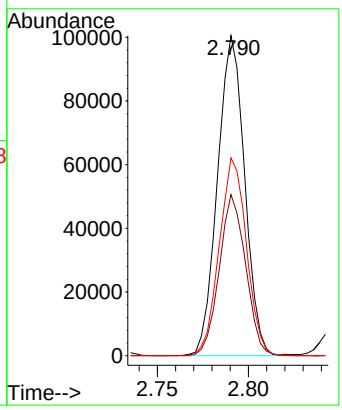


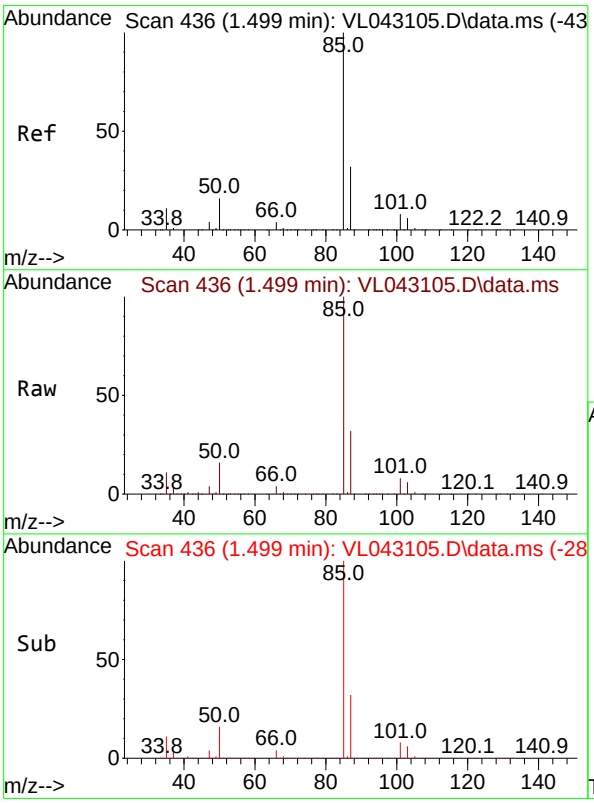
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 103971

Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.4	73.4
130	62.0	31.0	93.0

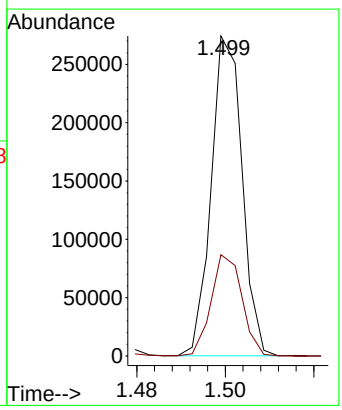


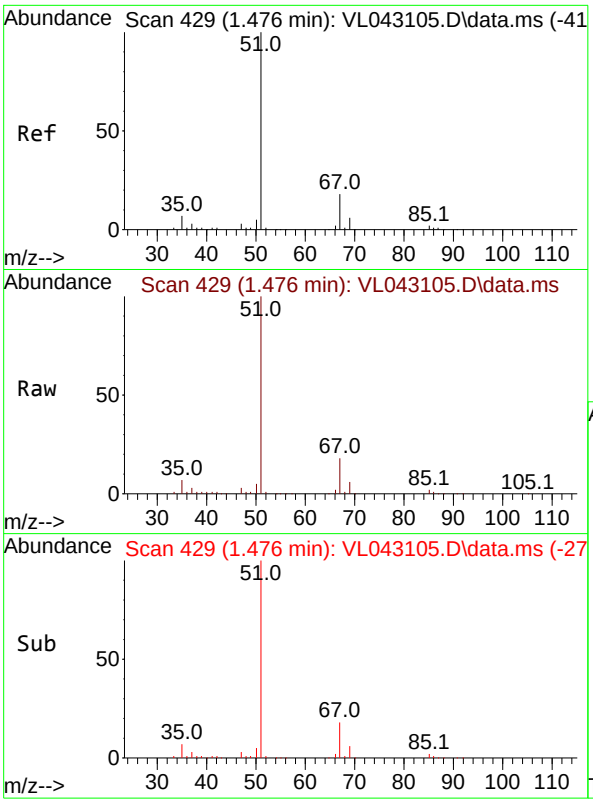


#2
Dichlorodifluoromethane
Concen: 8.987 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 85 Resp: 132845

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.3	37.9



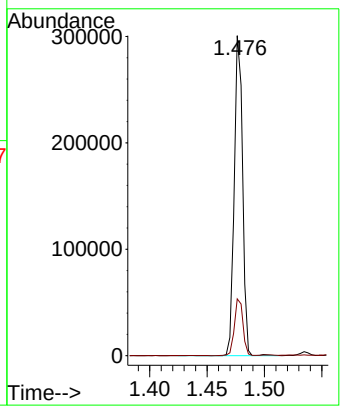


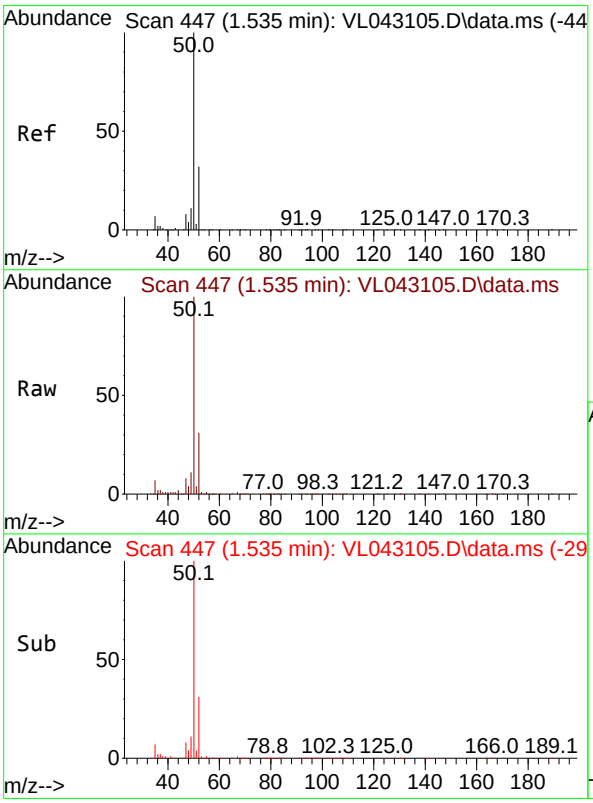
#3
Chlorodifluoromethane
Concen: 9.431 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 150832

Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.1	22.7

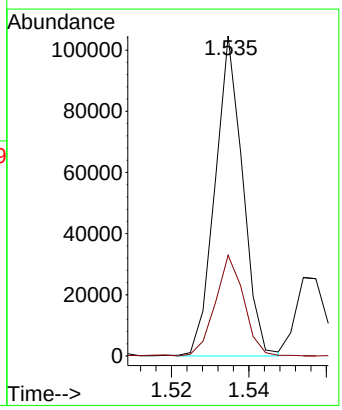


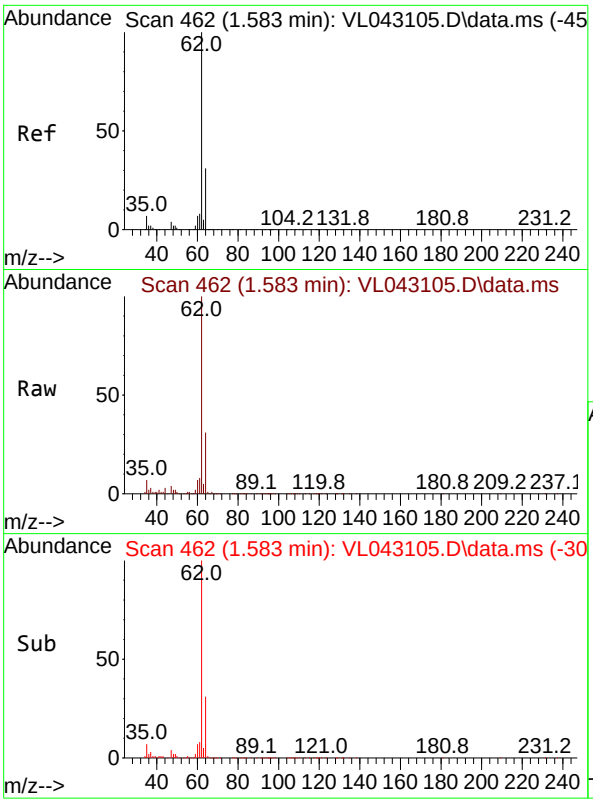


#4
Chloromethane
Concen: 8.869 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 50 Resp: 51934

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.2	37.8



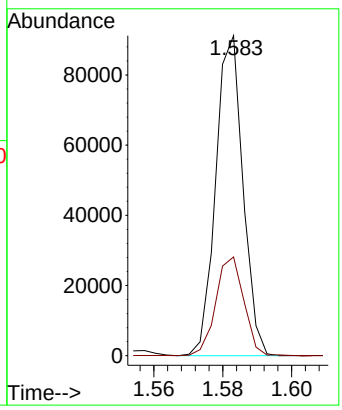


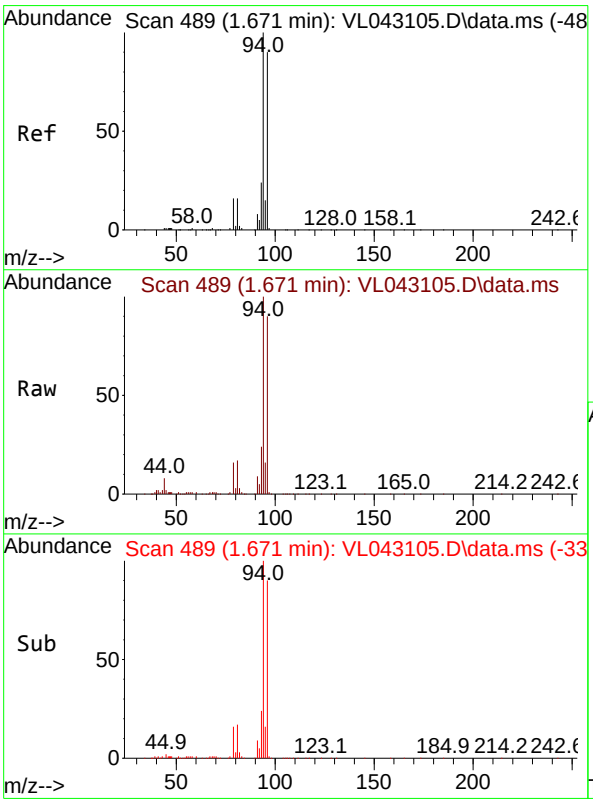
#5
Vinyl Chloride
Concen: 8.713 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 50044

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.6	36.8

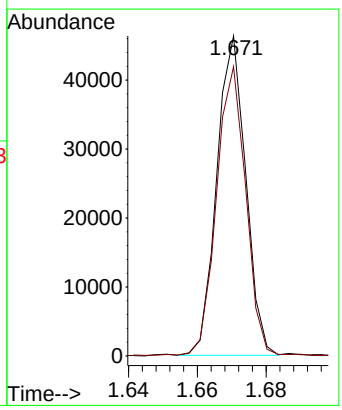


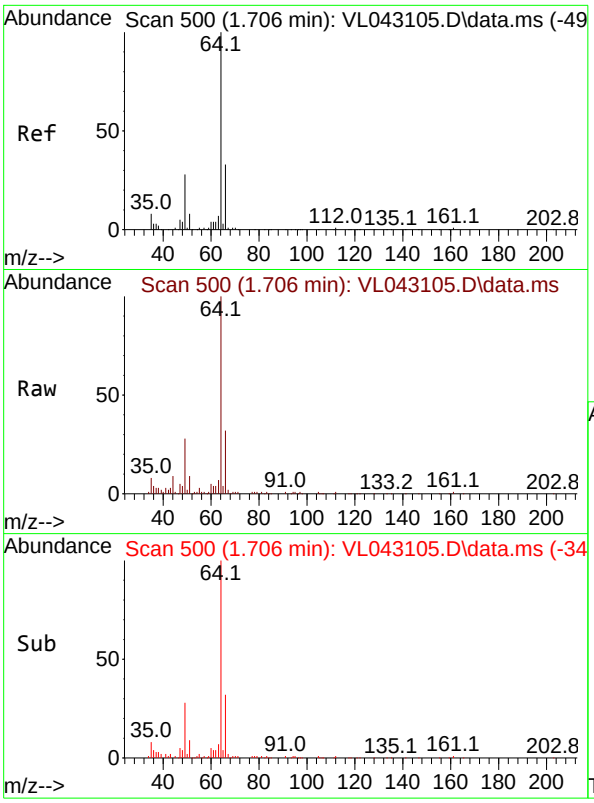


#6
Bromomethane
Concen: 8.593 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 94 Resp: 27062

Ion	Ratio	Lower	Upper
94	100		
96	90.3	72.2	108.4



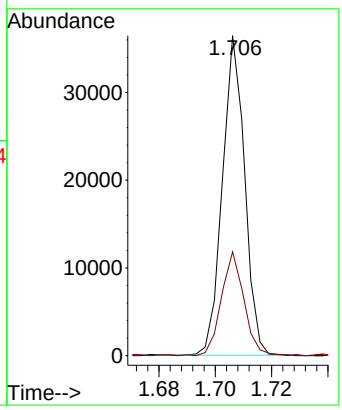


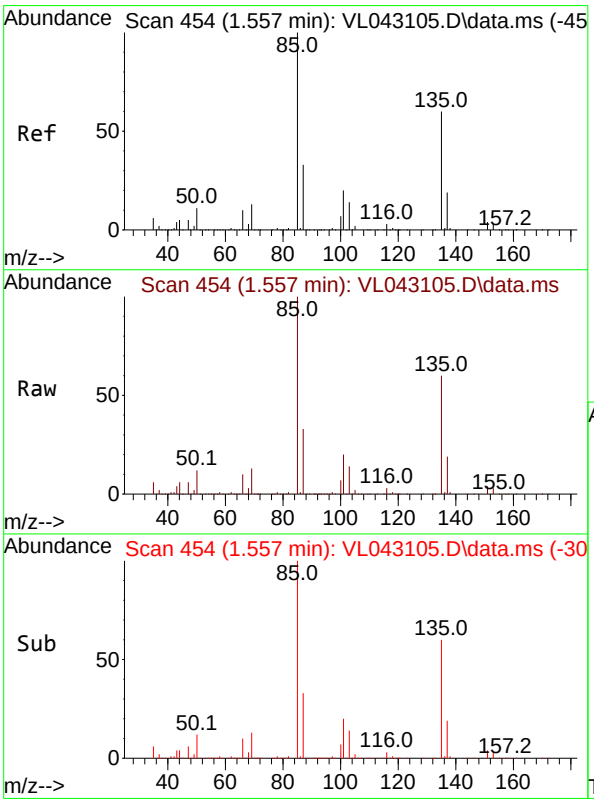
#7
Chloroethane
Concen: 8.492 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 19941

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.0	39.0

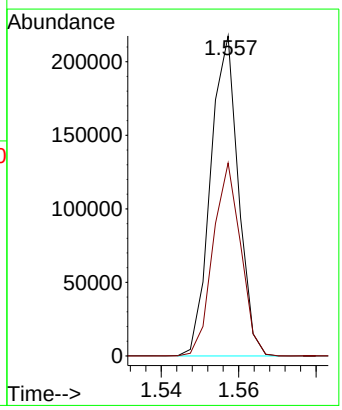


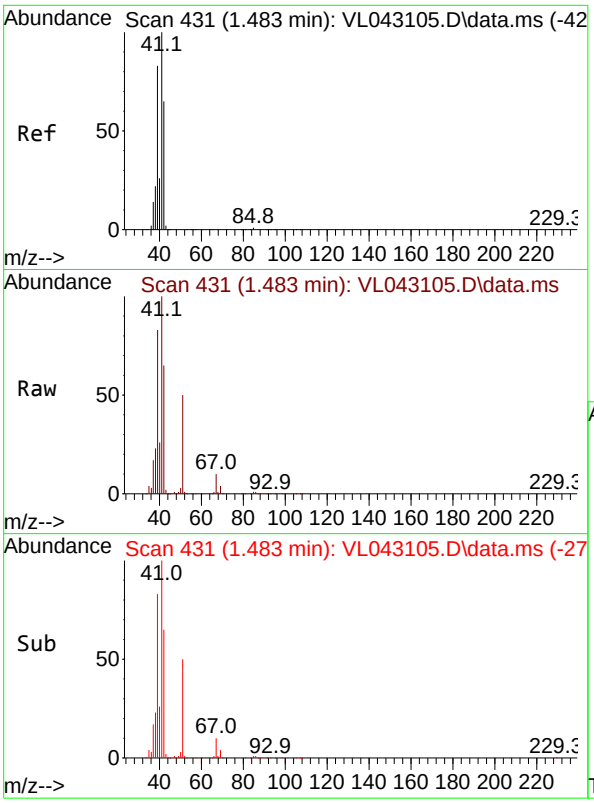


#8
Dichlorotetrafluoroethane
Concen: 9.049 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 85 Resp: 108109

Ion	Ratio	Lower	Upper
85	100		
135	60.3	48.2	72.4



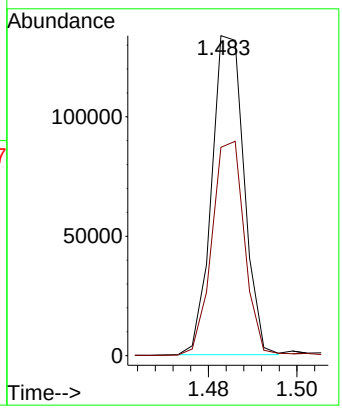


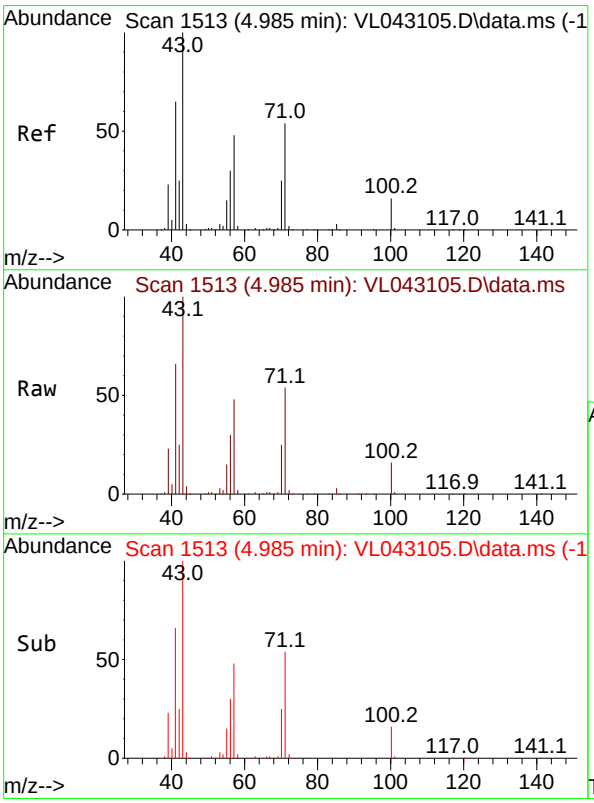
#9
Propene
Concen: 9.602 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 68116

Ion	Ratio	Lower	Upper
41	100		
42	68.9	55.1	82.7

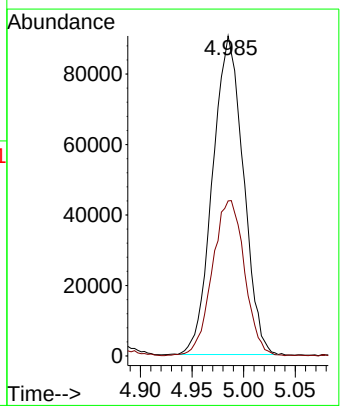


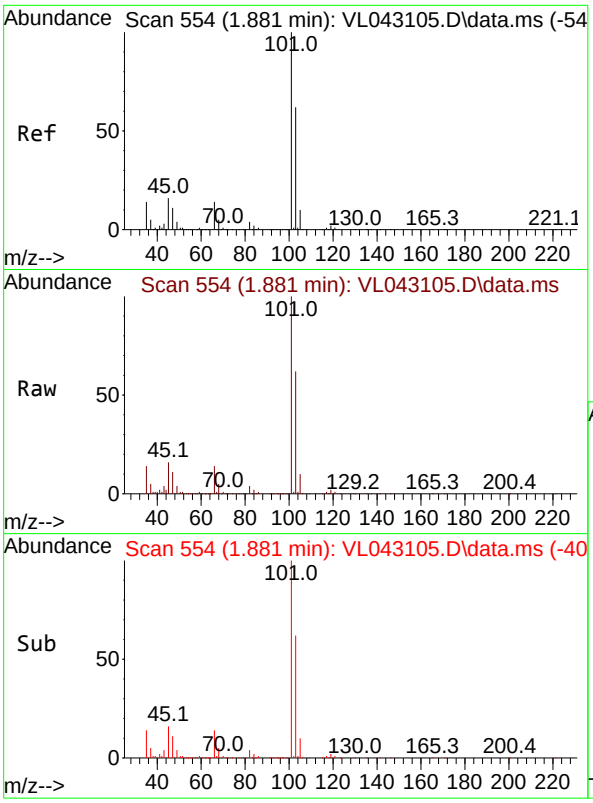


#10
Heptane
Concen: 9.217 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 187423

Ion	Ratio	Lower	Upper
43	100		
57	50.9	40.8	61.2



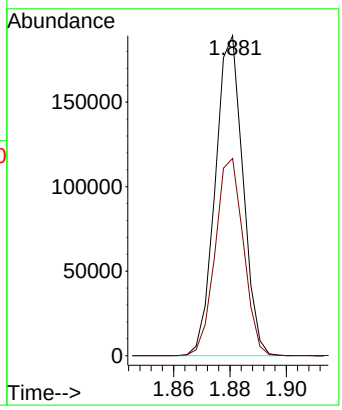


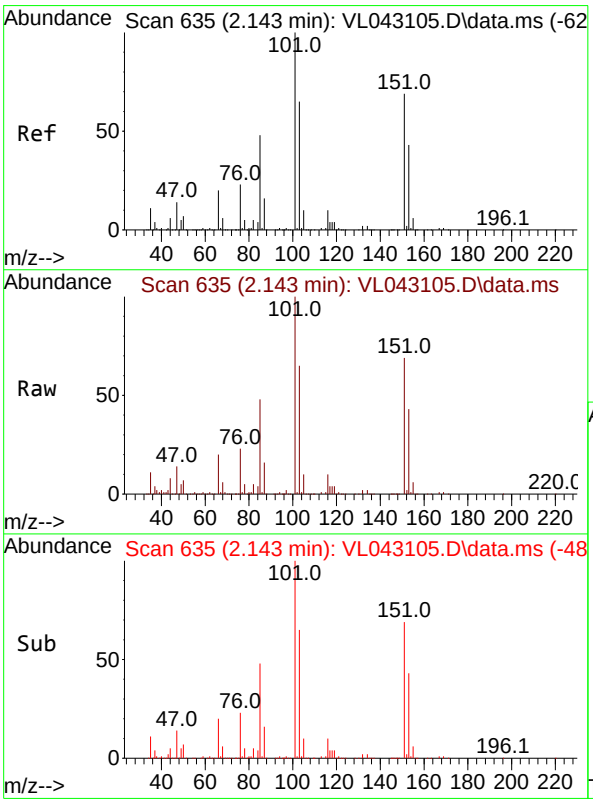
#11
Trichlorofluoromethane
Concen: 8.935 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 129180

Ion	Ratio	Lower	Upper
101	100		
103	61.6	49.3	73.9

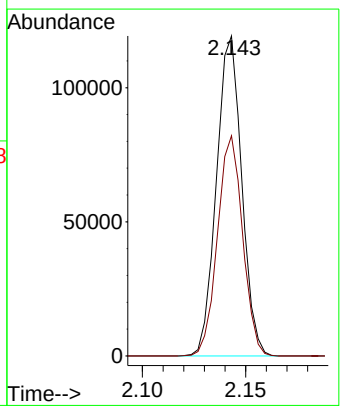


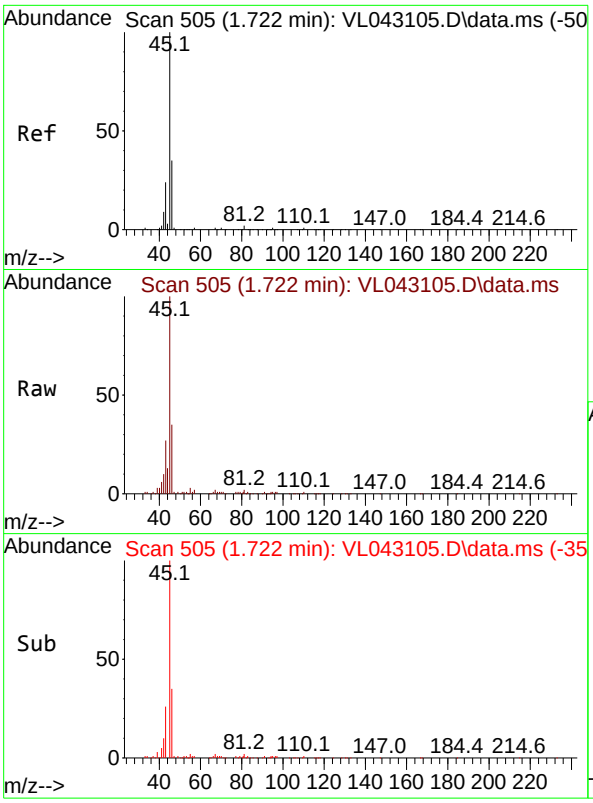


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.715 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:101 Resp: 101442

Ion	Ratio	Lower	Upper
101	100		
151	68.4	54.7	82.1



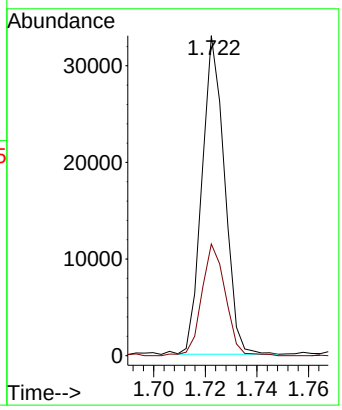


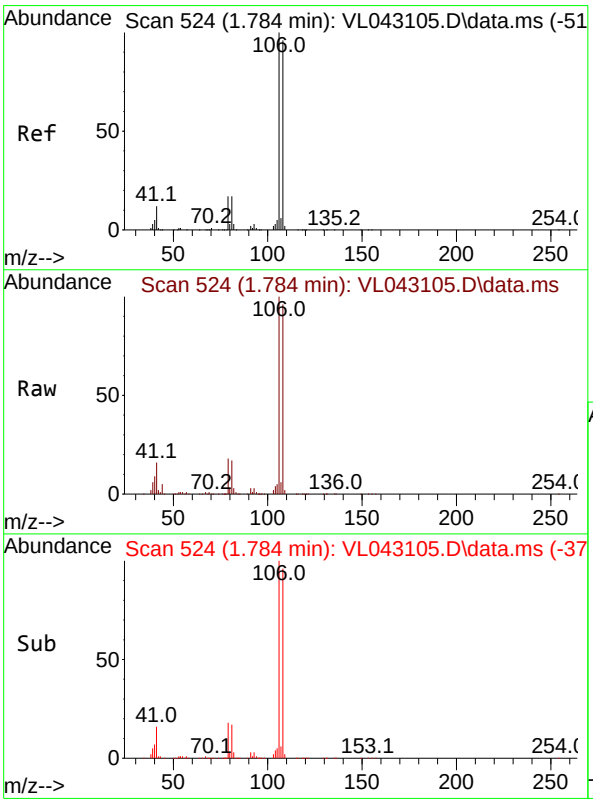
#13
Ethanol
Concen: 7.640 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 20045

Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.7	58.9

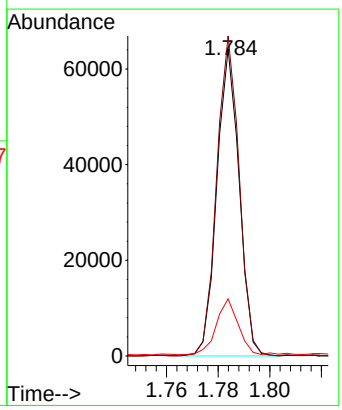


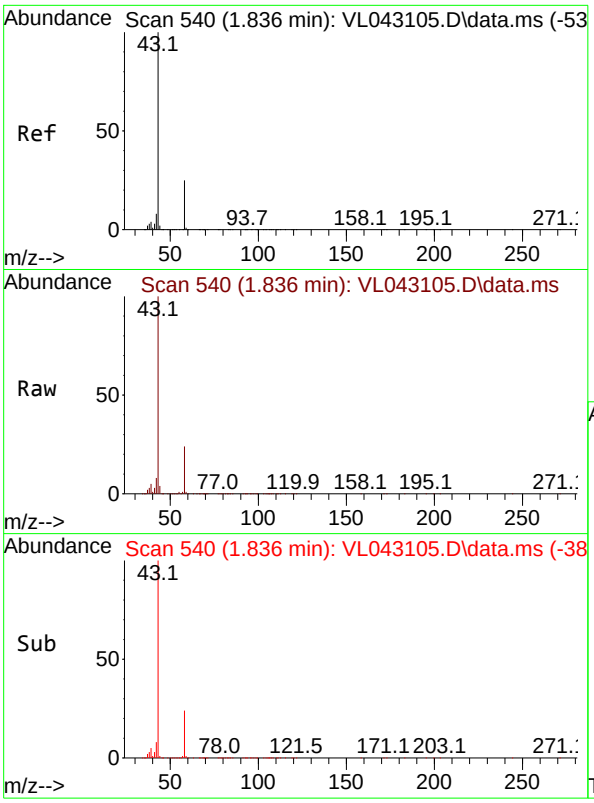


#14
Bromoethene
Concen: 8.916 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:108 Resp: 38553

Ion	Ratio	Lower	Upper
108	100		
106	105.5	84.4	126.6
79	19.1	15.3	22.9



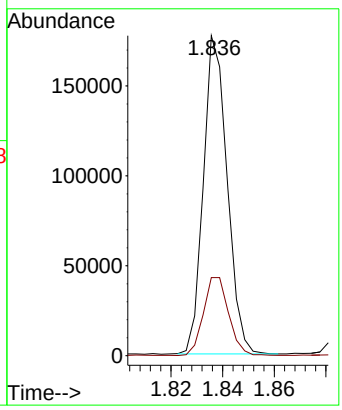


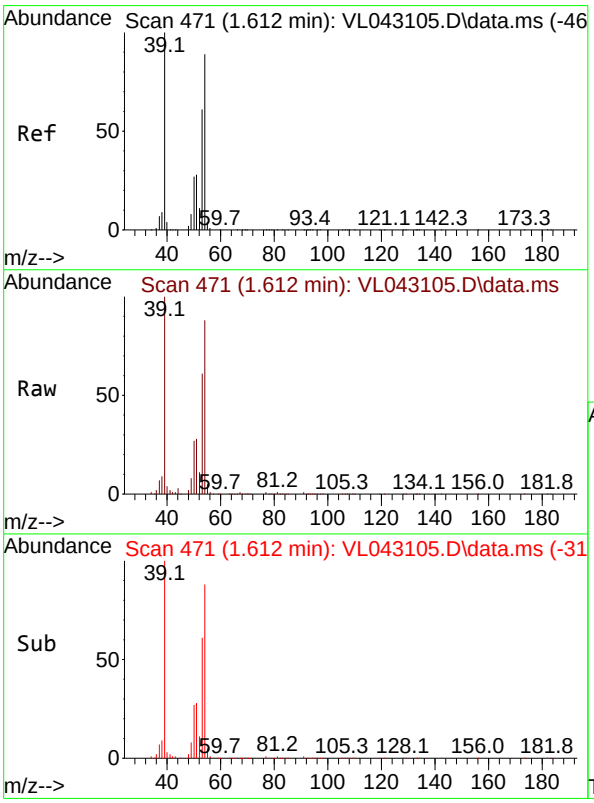
#15
Acetone
Concen: 8.047 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 113399

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.8	31.2

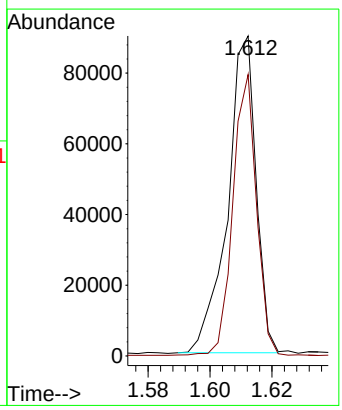


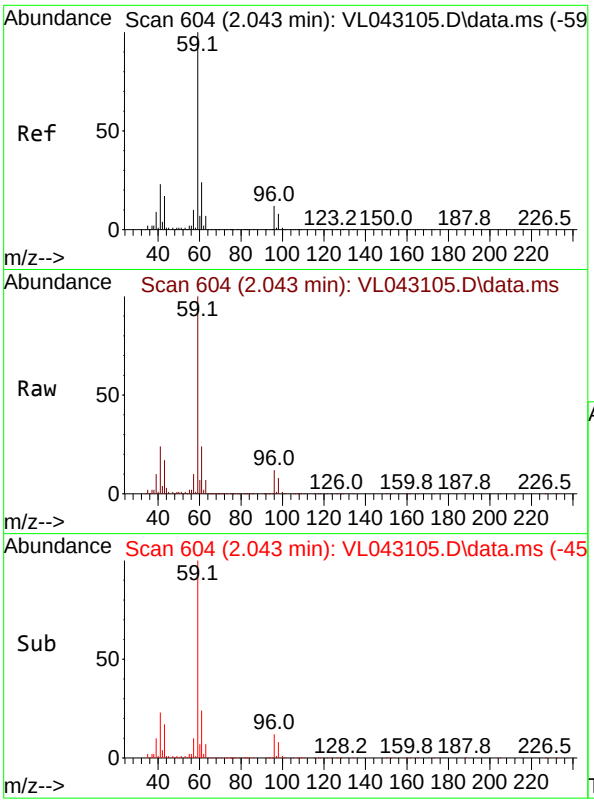


#16
1,3-Butadiene
Concen: 8.596 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 39 Resp: 57406

Ion	Ratio	Lower	Upper
39	100		
54	73.7	59.0	88.4



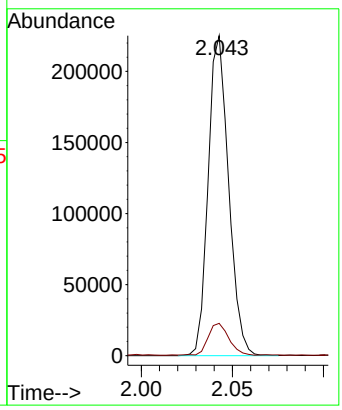


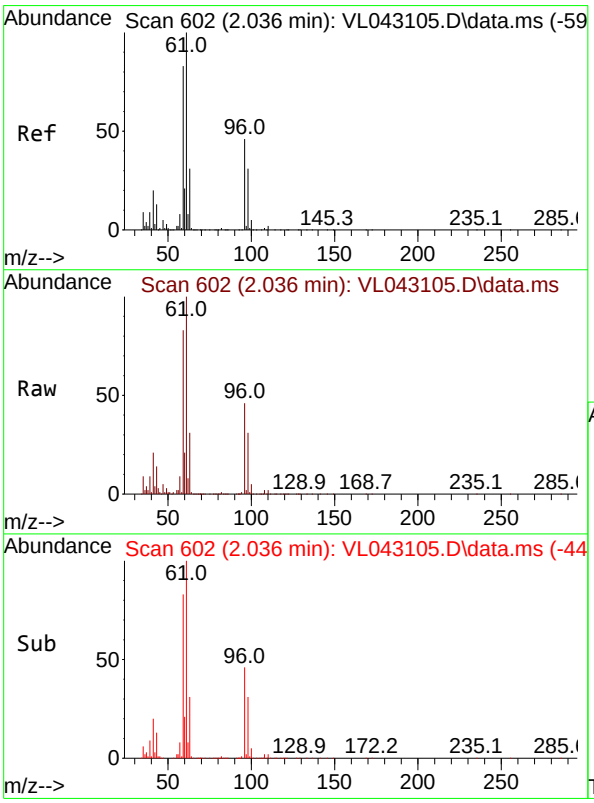
#17
tert-Butyl alcohol
Concen: 9.130 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 175630

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

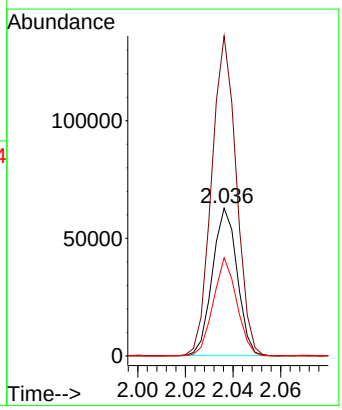


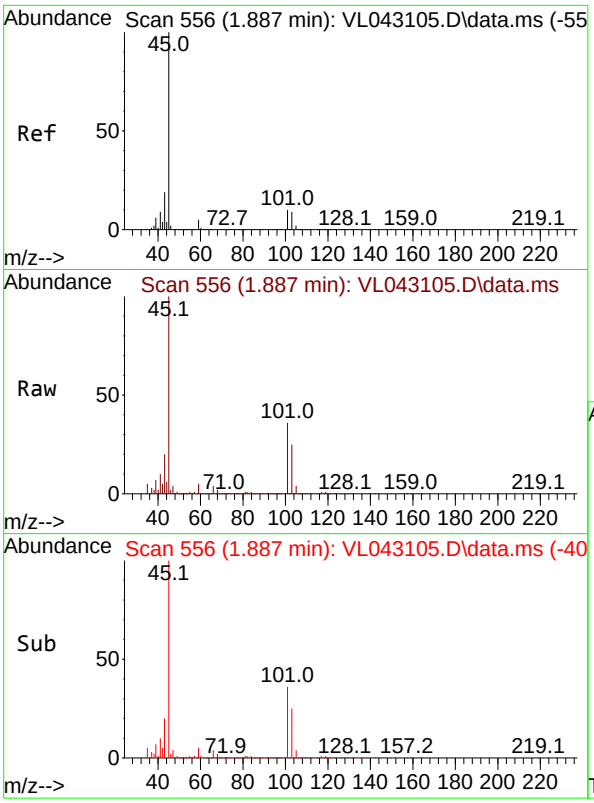


#18
1,1-Dichloroethene
Concen: 8.949 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 96 Resp: 45413

Ion	Ratio	Lower	Upper
96	100		
61	216.7	173.4	260.0
98	66.5	53.2	79.8



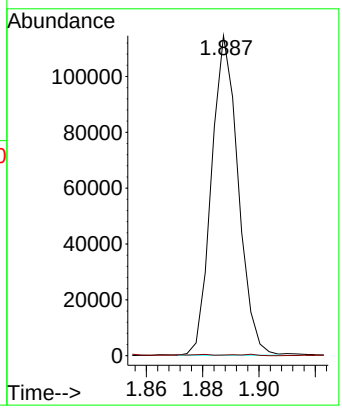


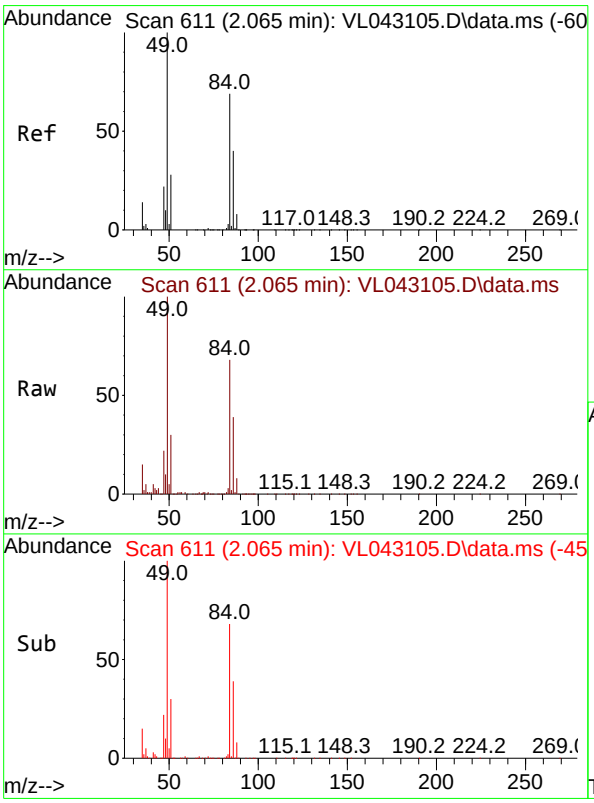
#19
Isopropyl Alcohol
Concen: 8.634 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 75355

Ion	Ratio	Lower	Upper
45	100		
58	41.1	31.3	46.9

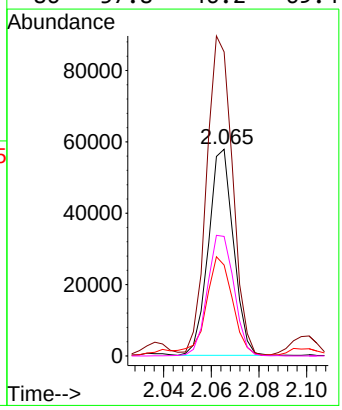


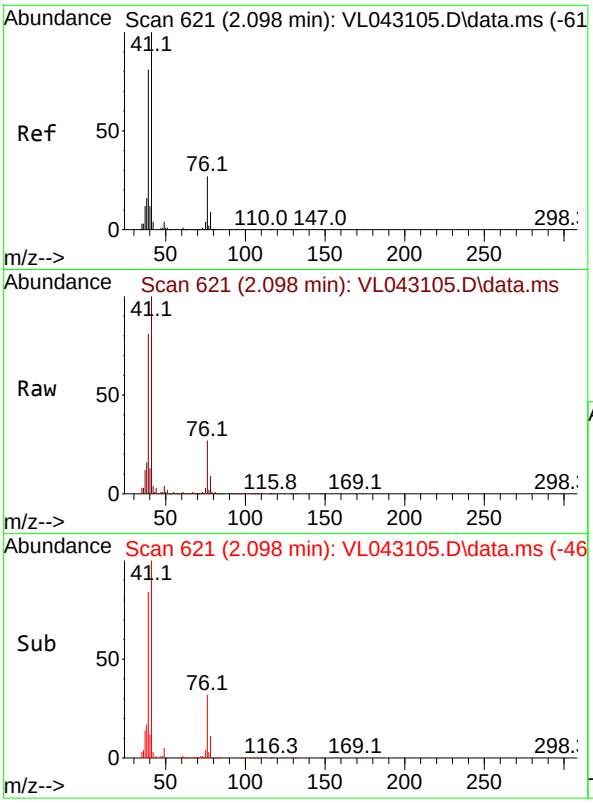


#20
Methylene Chloride
Concen: 7.620 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 84 Resp: 42212

Ion	Ratio	Lower	Upper
84	100		
49	145.8	116.6	175.0
51	43.5	34.8	52.2
86	57.8	46.2	69.4



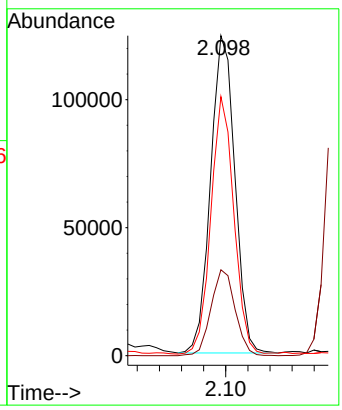


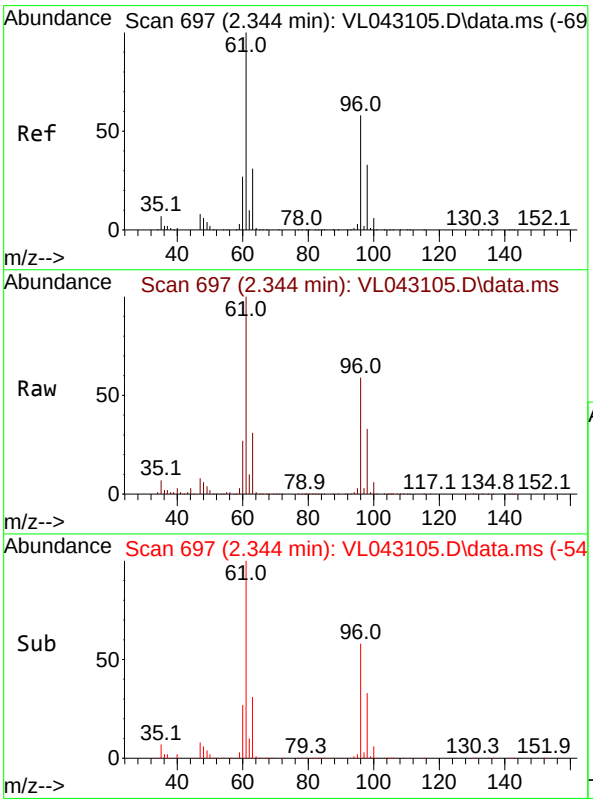
#21
Allyl Chloride
Concen: 9.145 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 94625

Ion	Ratio	Lower	Upper
41	100		
76	26.9	21.5	32.3
39	76.4	60.8	91.2

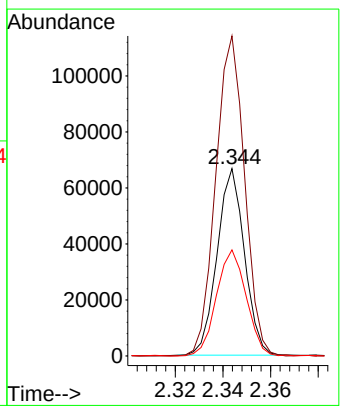


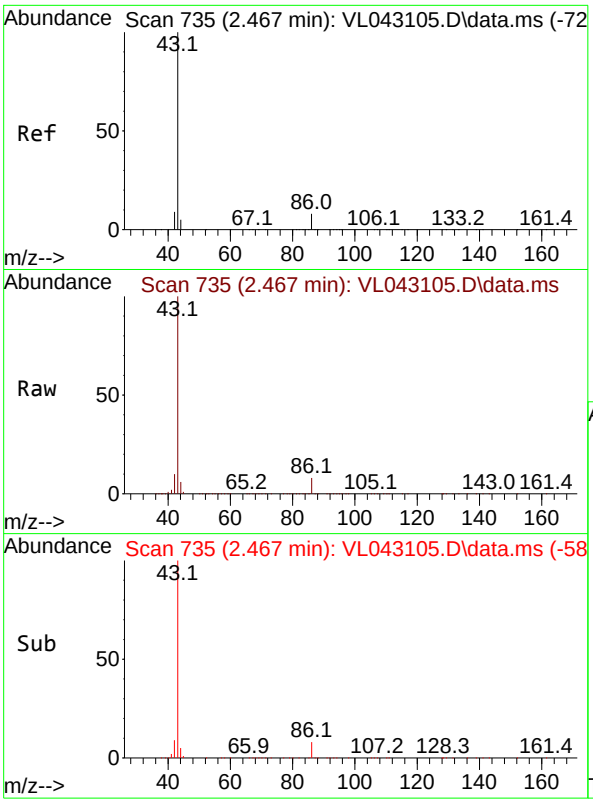


#22
trans-1,2-Dichloroethene
Concen: 8.761 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 96 Resp: 53146

Ion	Ratio	Lower	Upper
96	100		
61	171.3	137.0	205.6
98	56.9	45.5	68.3



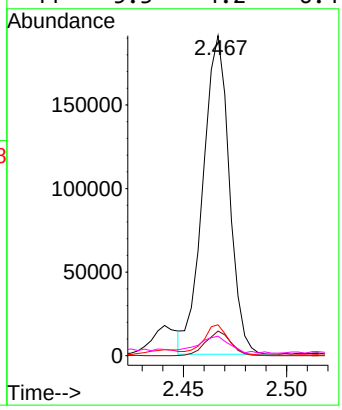


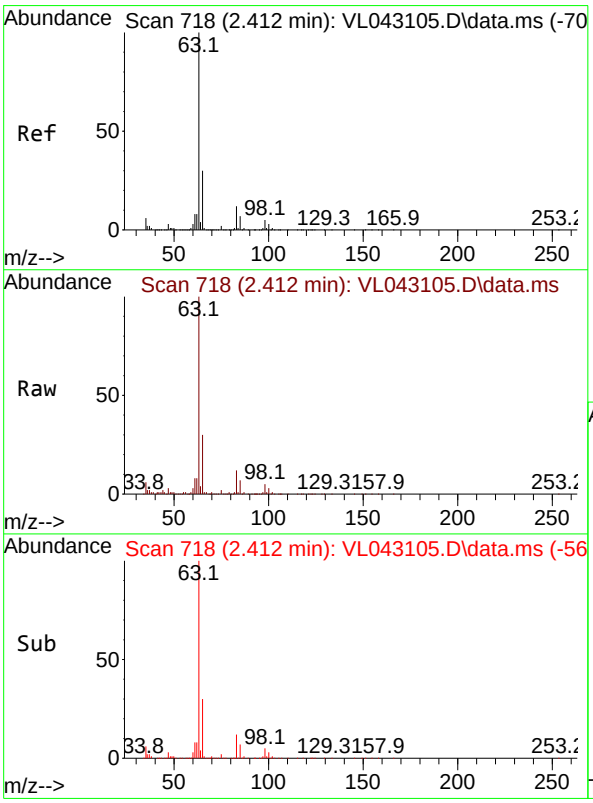
#23
Vinyl Acetate
Concen: 8.218 ppbv
RT: 2.467 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 168706

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	9.5	7.6	11.4
44	5.3	4.2	6.4

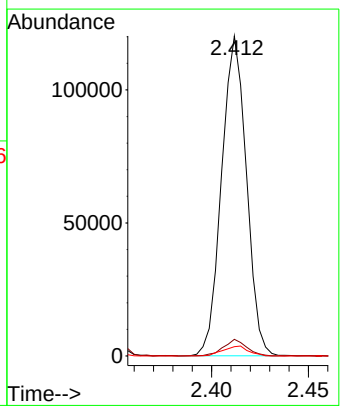


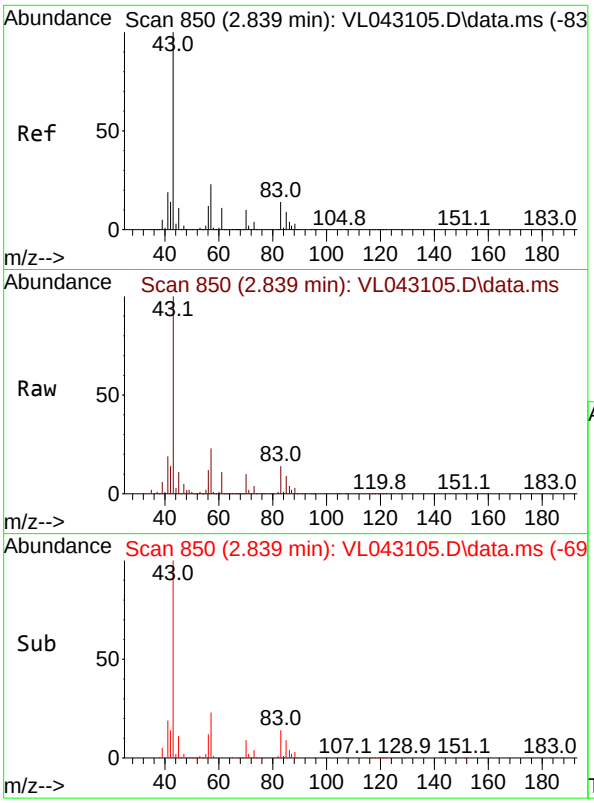


#24
1,1-Dichloroethane
Concen: 9.143 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 63 Resp: 107153

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.6	7.8
100	2.9	1.5	4.4



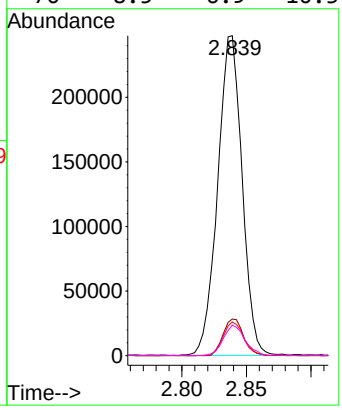


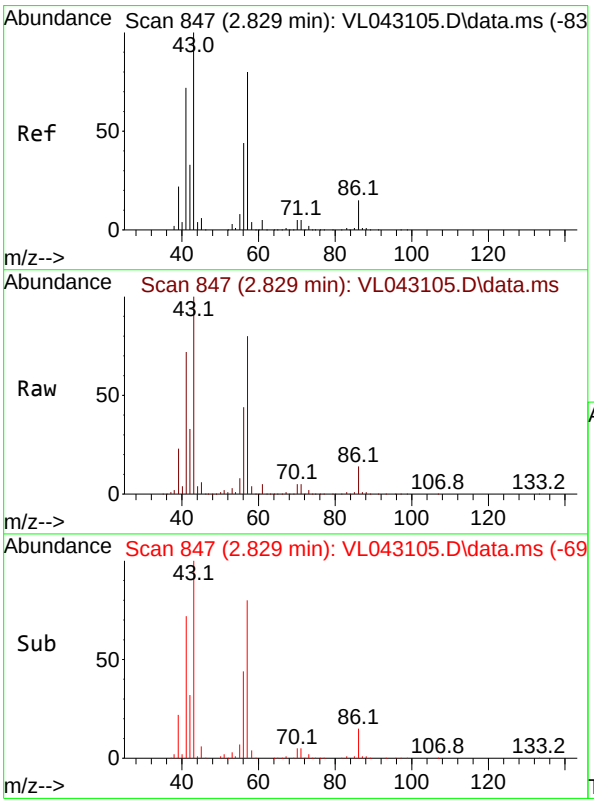
#25
Ethyl Acetate
Concen: 9.371 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 325662

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	8.8	7.0	10.6
70	8.5	6.9	10.3

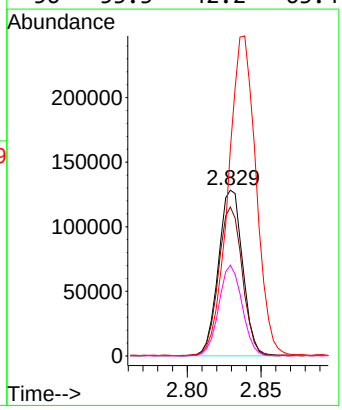


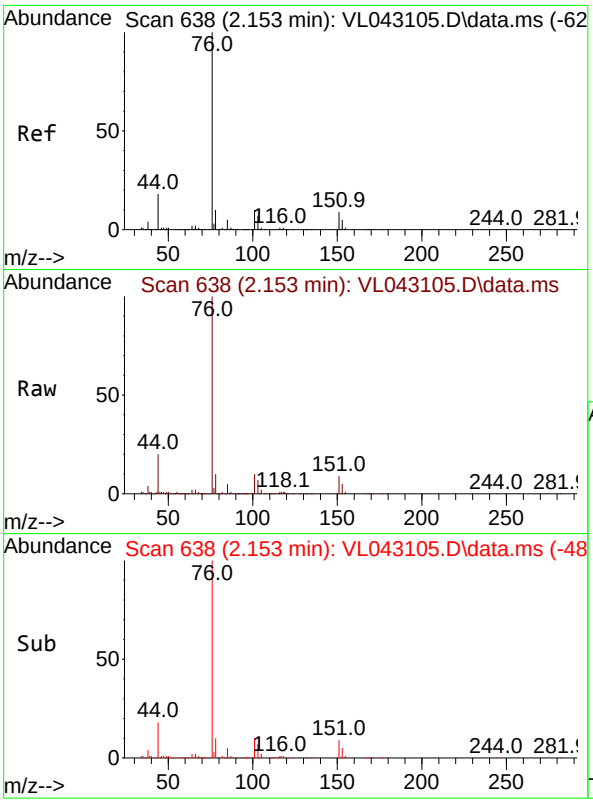


#26
Hexane
Concen: 9.128 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 57 Resp: 146168

Ion	Ratio	Lower	Upper
57	100		
41	90.2	71.4	107.0
43	222.4	178.5	267.7
56	53.3	42.2	63.4



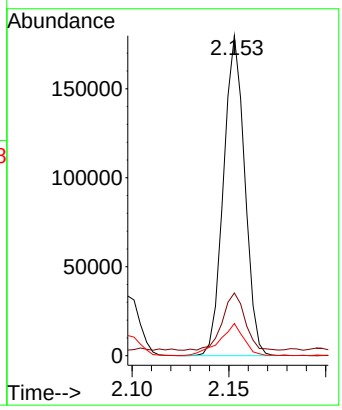


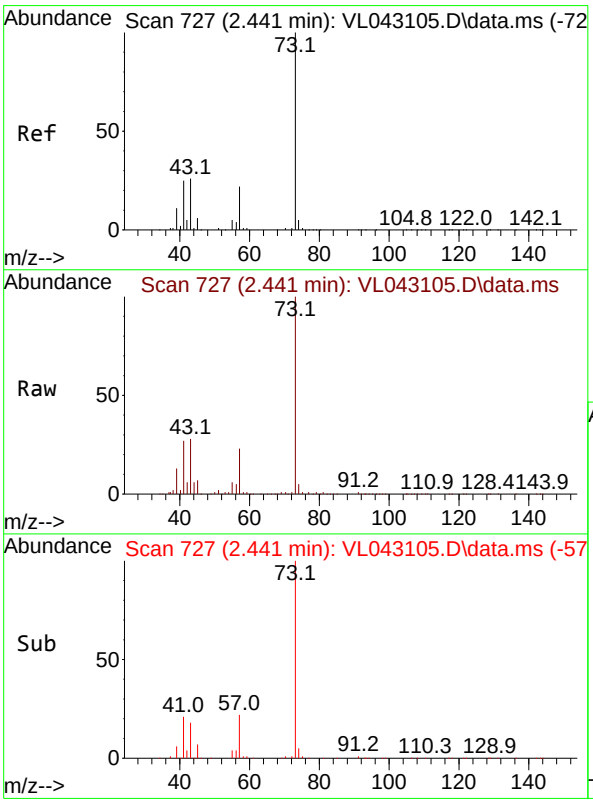
#27
Carbon Disulfide
Concen: 9.319 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 136729

Ion	Ratio	Lower	Upper
76	100		
44	20.1	16.7	25.1
78	11.5	9.3	13.9

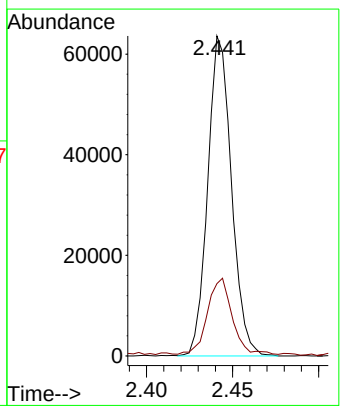


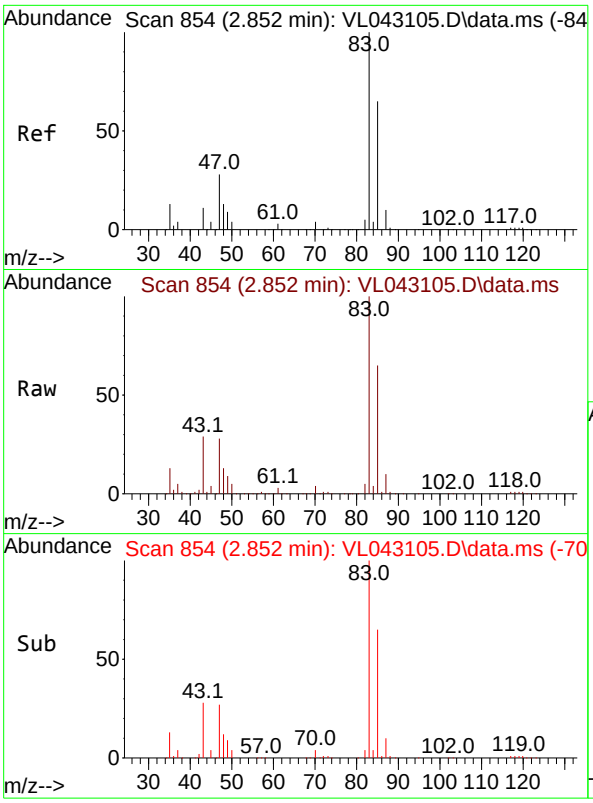


#28
Methyl tert-Butyl Ether
Concen: 8.384 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 73 Resp: 61076

Ion	Ratio	Lower	Upper
73	100		
57	24.8	20.5	30.7



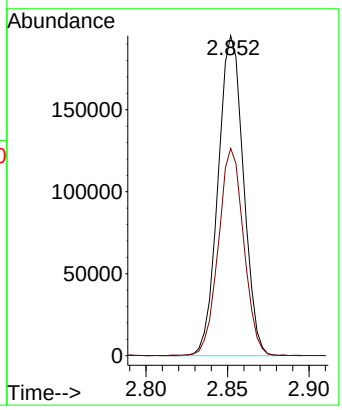


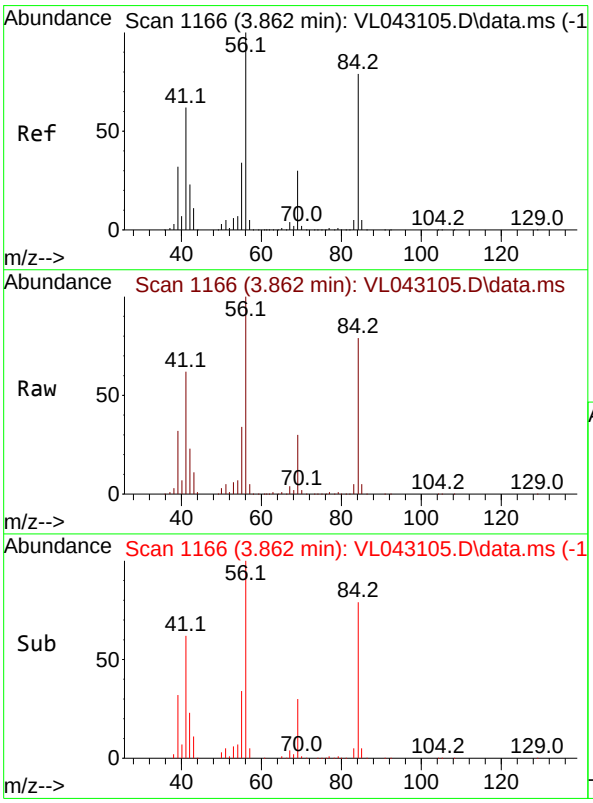
#29
Chloroform
Concen: 9.097 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 211071

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

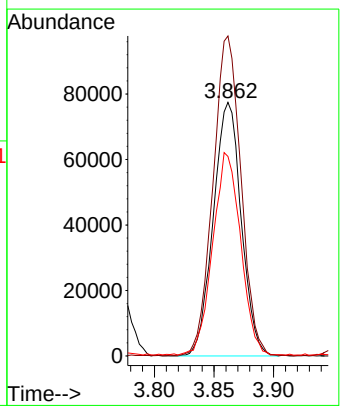


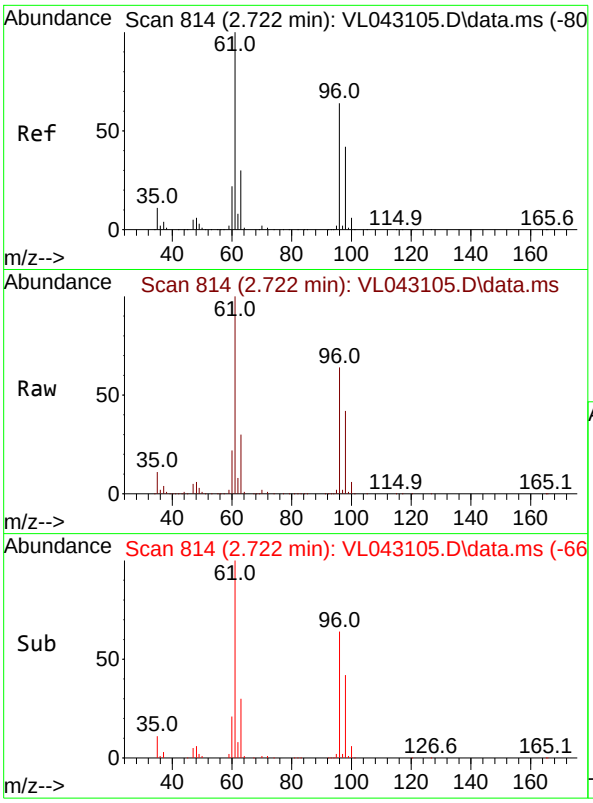


#30
Cyclohexane
Concen: 9.037 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 84 Resp: 126226

Ion	Ratio	Lower	Upper
84	100		
56	126.5	100.9	151.3
41	79.8	63.8	95.6



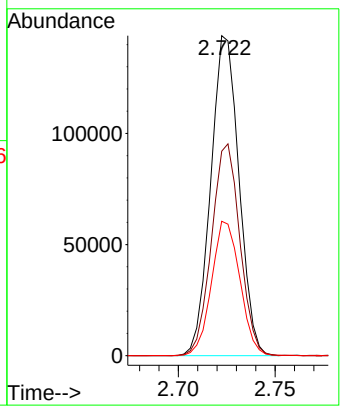


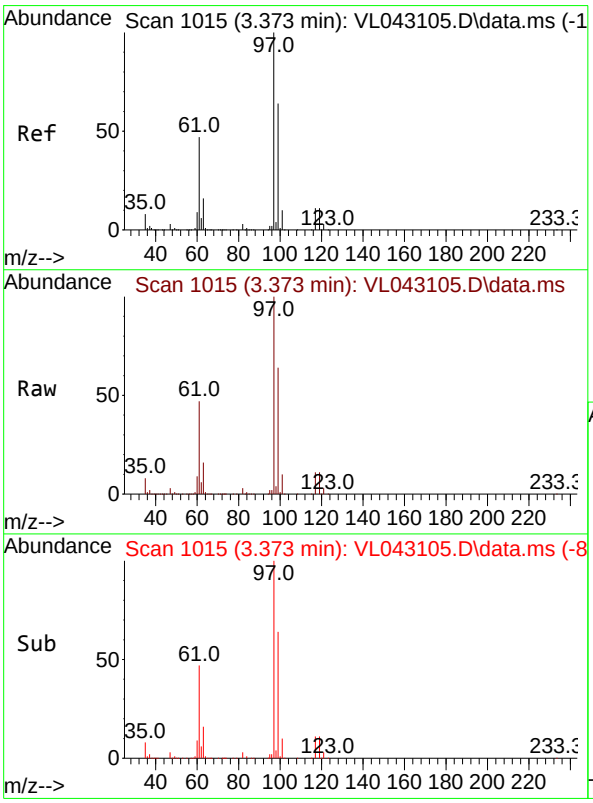
#31
cis-1,2-Dichloroethene
Concen: 9.553 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 146072

Ion	Ratio	Lower	Upper
61	100		
96	63.8	51.0	76.6
98	41.9	33.5	50.3

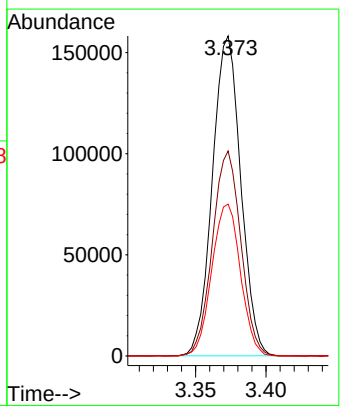


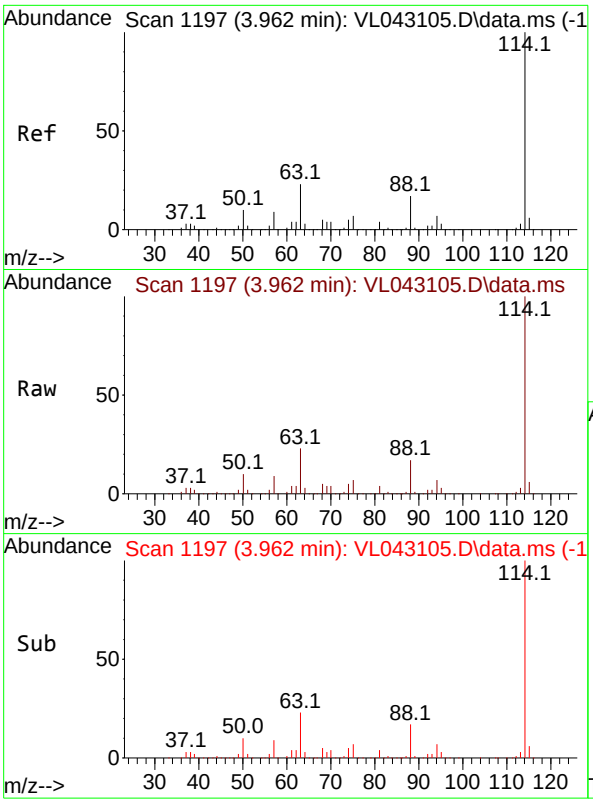


#32
1,1,1-Trichloroethane
Concen: 9.189 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 97 Resp: 222043

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	48.0	38.4	57.6



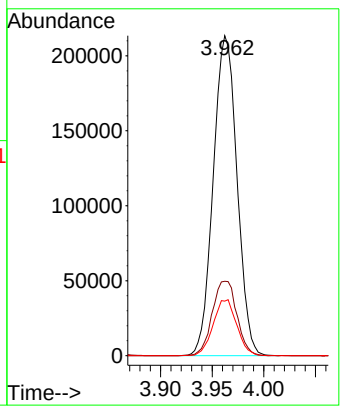


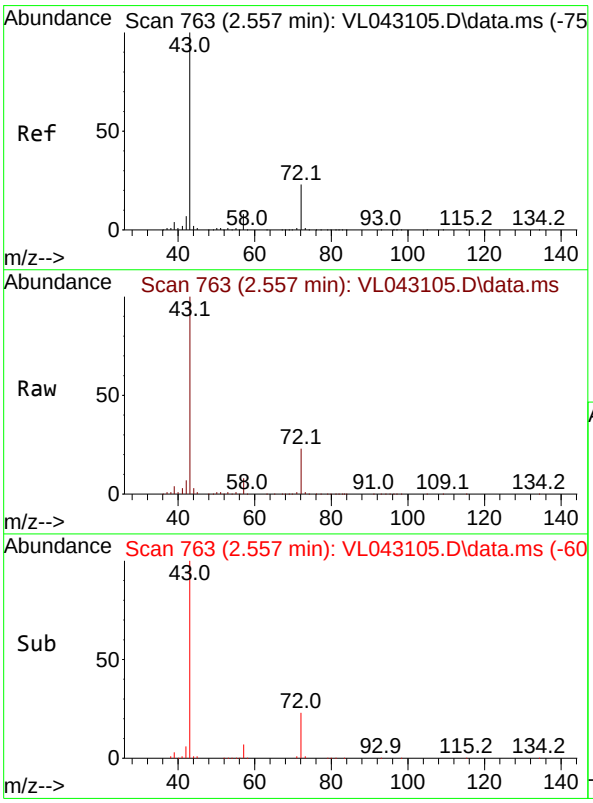
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 341790

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	17.4	13.9	20.9

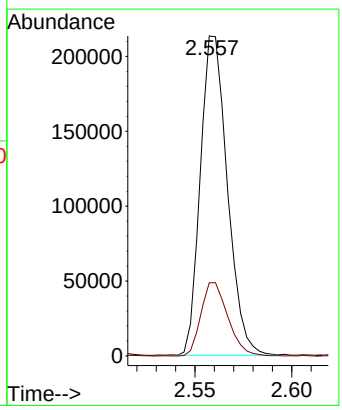


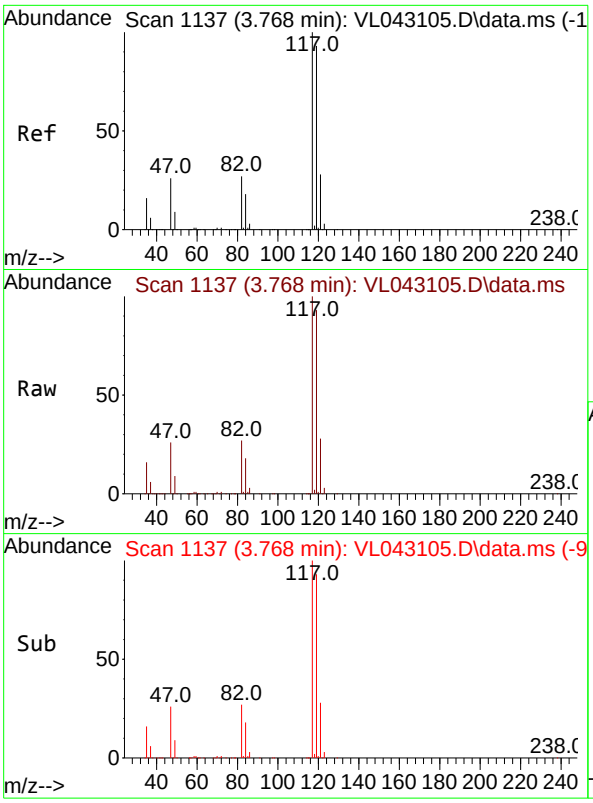


#34
2-Butanone
Concen: 8.971 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 207274

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6



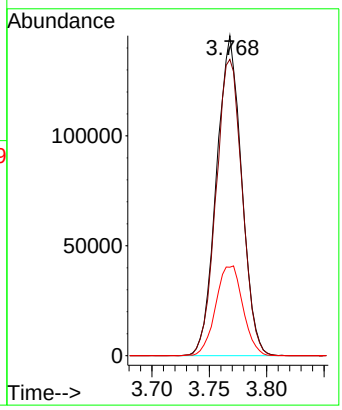


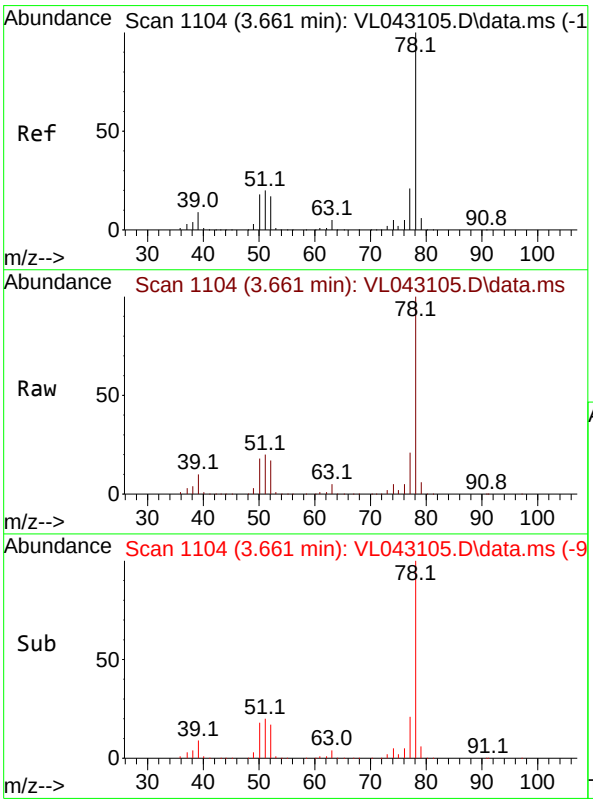
#35
Carbon Tetrachloride
Concen: 9.032 ppbv
RT: 3.768 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 221937

Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.1	111.1
121	27.7	22.2	33.2

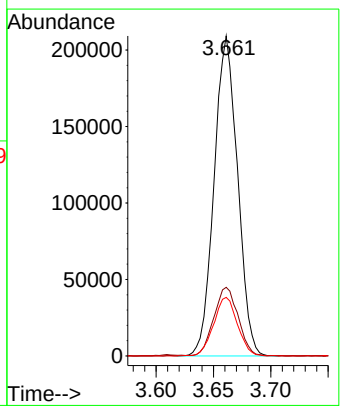


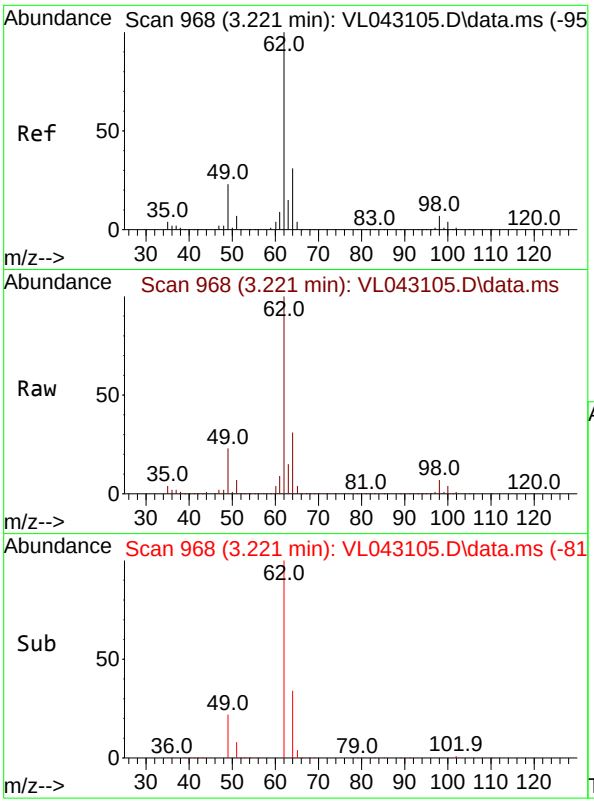


#36
Benzene
Concen: 9.246 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 78 Resp: 297653

Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.0	25.6
50	18.3	14.6	22.0



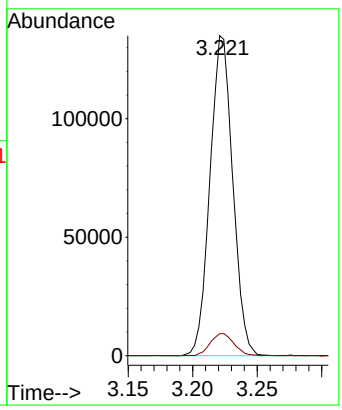


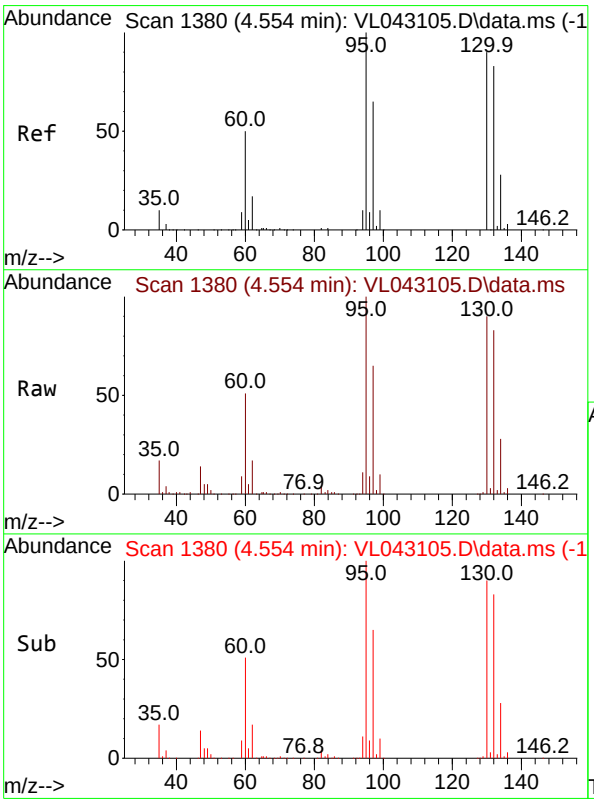
#37
1,2-Dichloroethane
Concen: 8.946 ppbv
RT: 3.221 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 165898

Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.8	8.6

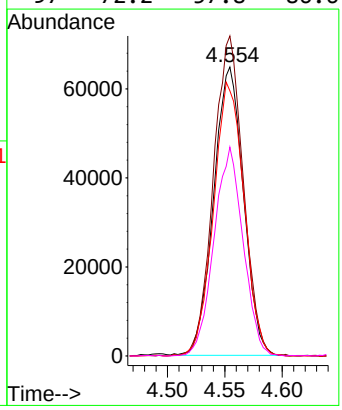


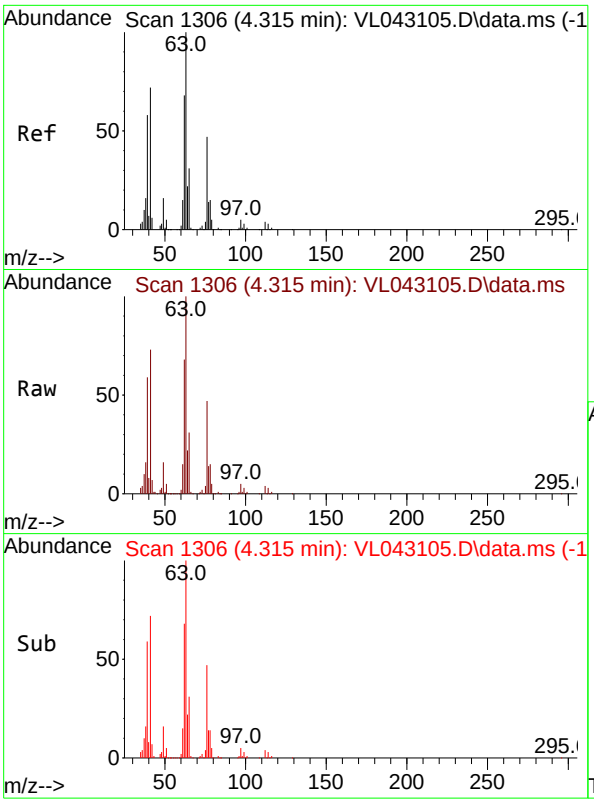


#38
Trichloroethene
Concen: 8.708 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:130 Resp: 116947

Ion	Ratio	Lower	Upper
130	100		
95	110.8	88.6	133.0
132	91.7	73.4	110.0
97	72.2	57.8	86.6



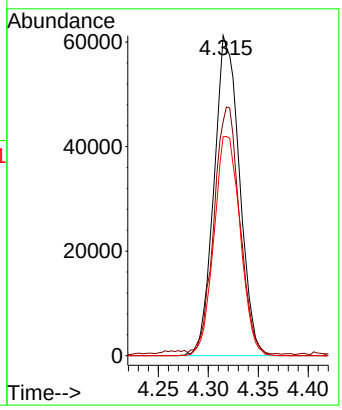


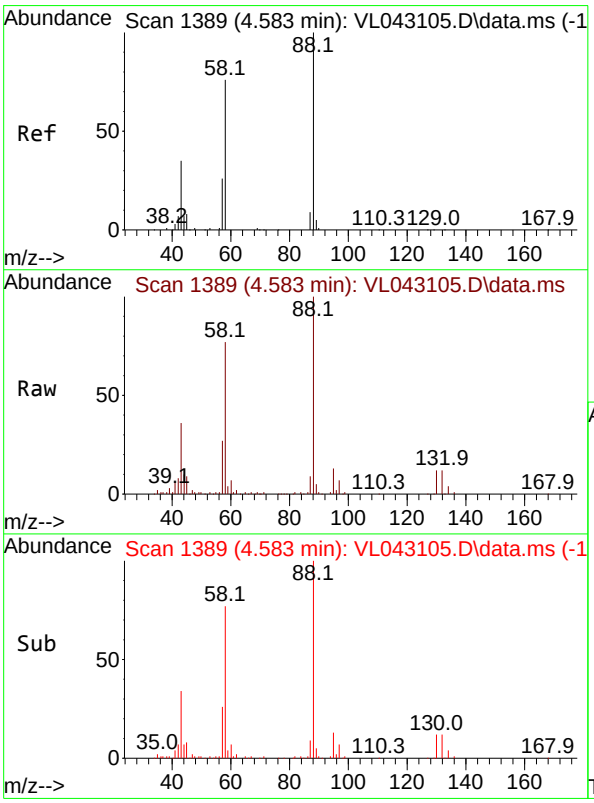
#39
1,2-Dichloropropane
Concen: 9.207 ppbv
RT: 4.315 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 108446

Ion	Ratio	Lower	Upper
63	100		
41	72.5	58.0	87.0
62	68.4	54.7	82.1

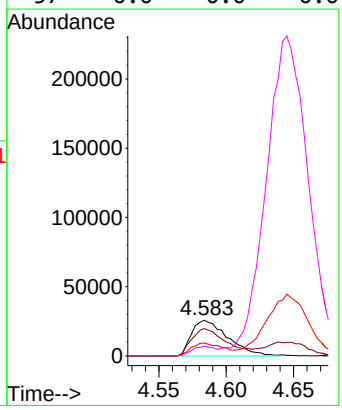


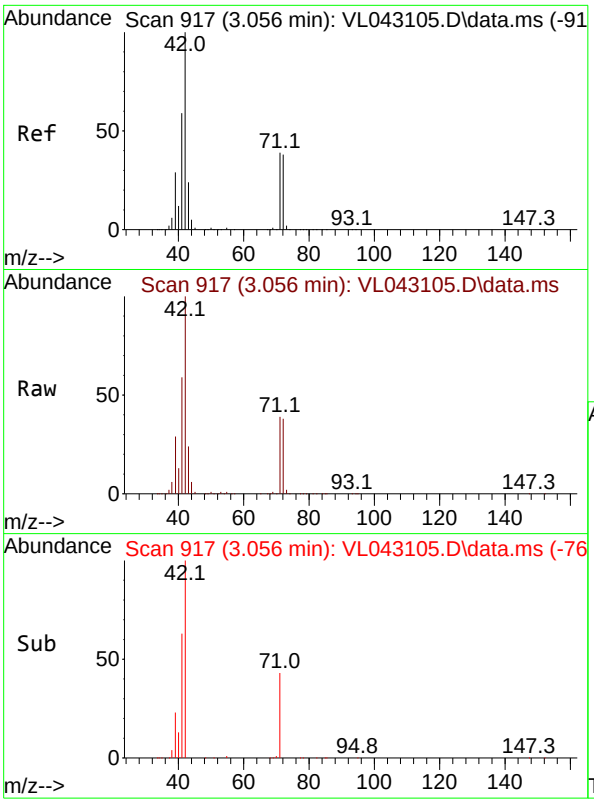


#40
1,4-Dioxane
Concen: 9.153 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 88 Resp: 48201

Ion	Ratio	Lower	Upper
88	100		
58	74.3	61.1	91.7
43	33.3	24.0	36.0
57	0.0	0.0	0.0



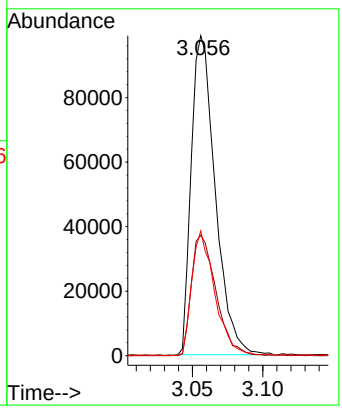


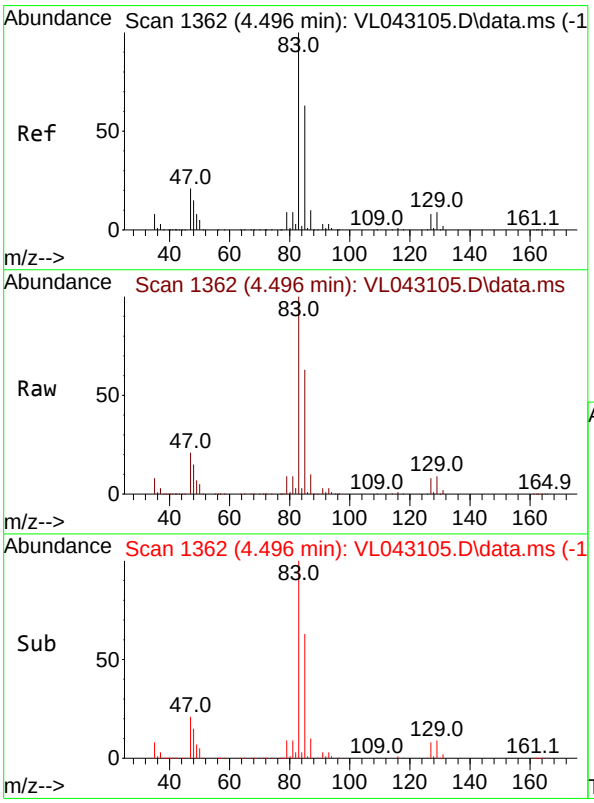
#41
Tetrahydrofuran
Concen: 9.076 ppbv
RT: 3.056 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 117069

Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.3	46.9
71	37.8	30.4	45.6

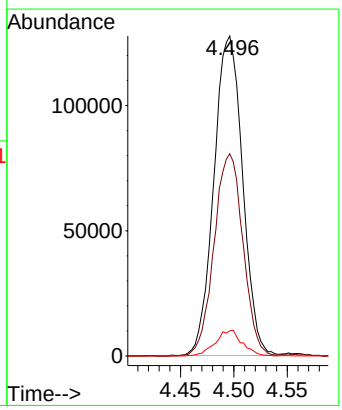


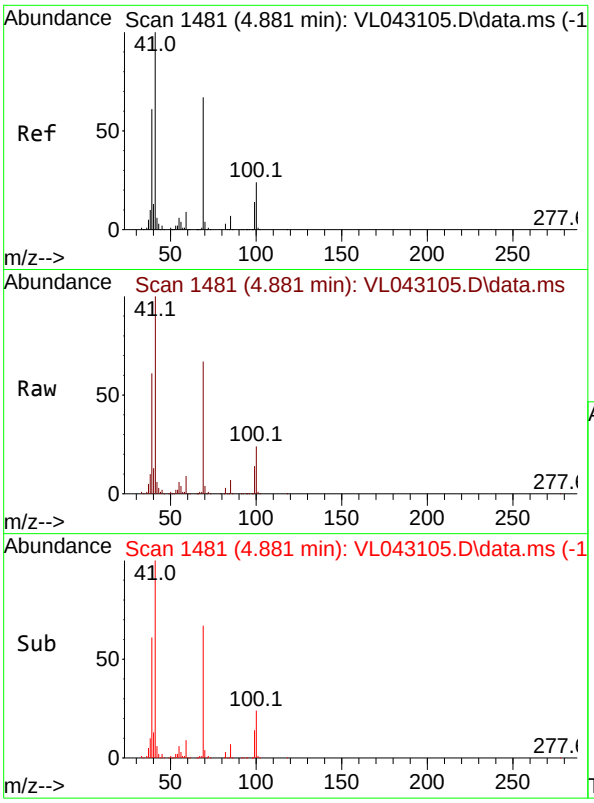


#42
Bromodichloromethane
Concen: 9.286 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 83 Resp: 238353

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	7.9	6.3	9.5



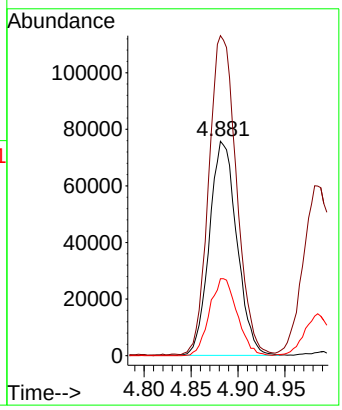


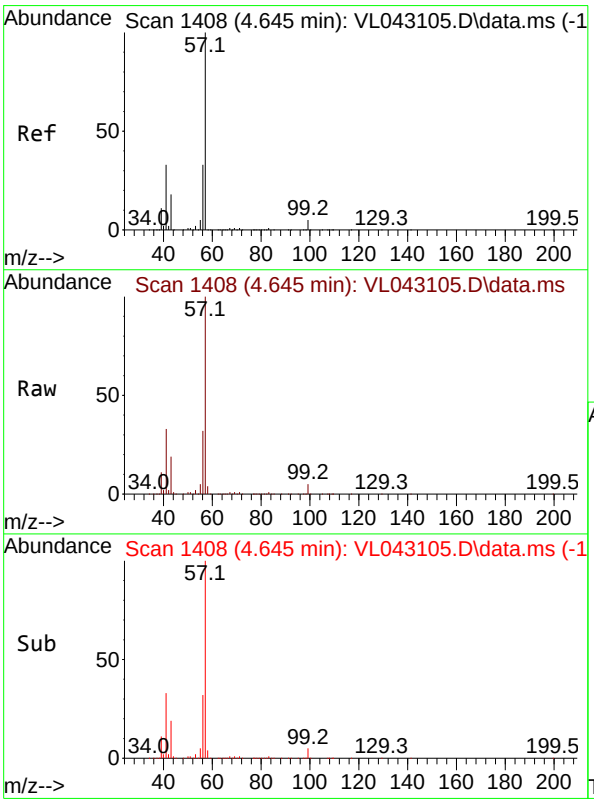
#43
Methyl Methacrylate
Concen: 9.371 ppbv
RT: 4.881 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 153927

Ion	Ratio	Lower	Upper
69	100		
41	149.8	120.5	180.7
100	36.2	29.0	43.4

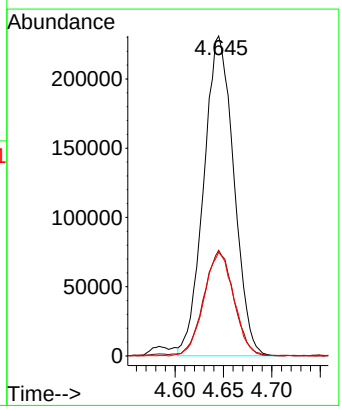


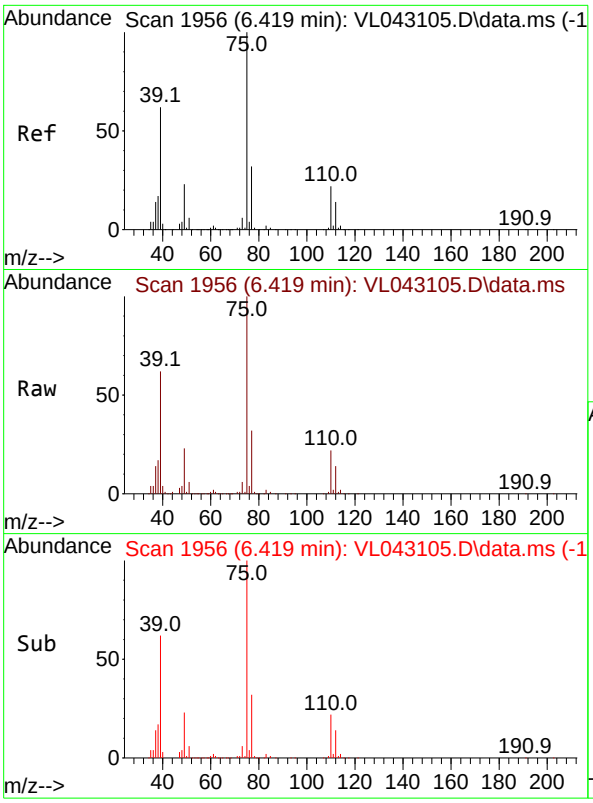


#44
2,2,4-Trimethylpentane
Concen: 9.273 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 57 Resp: 499148

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.3	39.5
56	32.1	25.9	38.9



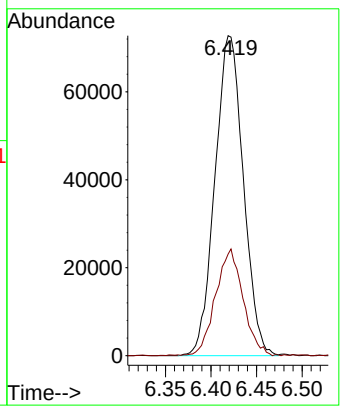


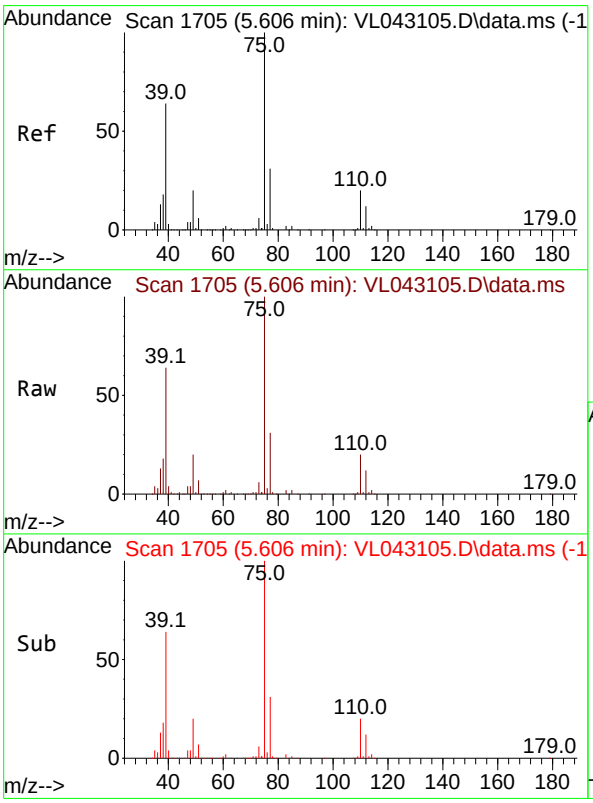
#45
t-1,3-Dichloropropene
Concen: 9.620 ppbv
RT: 6.419 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 157856

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

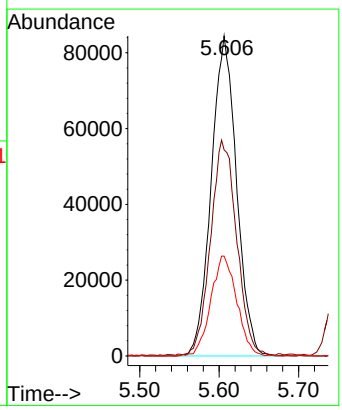


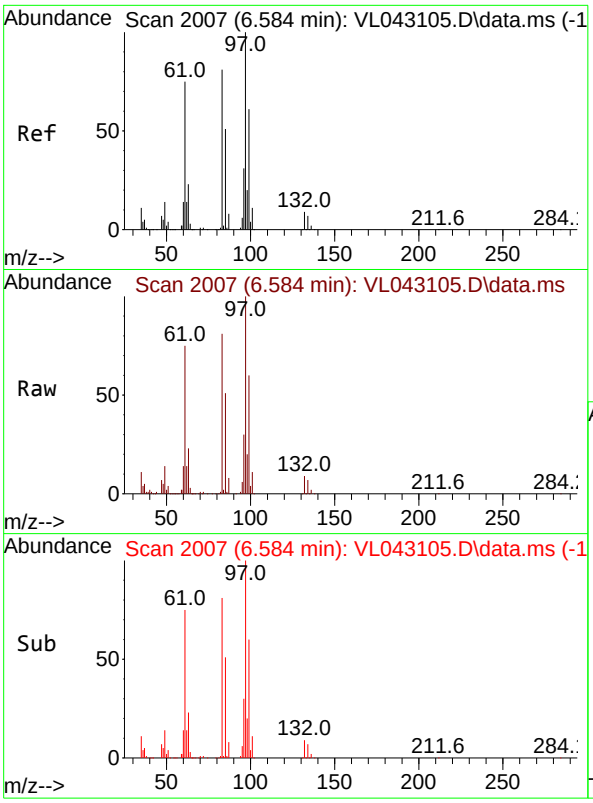


#46
cis-1,3-Dichloropropene
Concen: 9.525 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 75 Resp: 186533

Ion	Ratio	Lower	Upper
75	100		
39	63.8	51.0	76.6
77	31.2	25.0	37.4



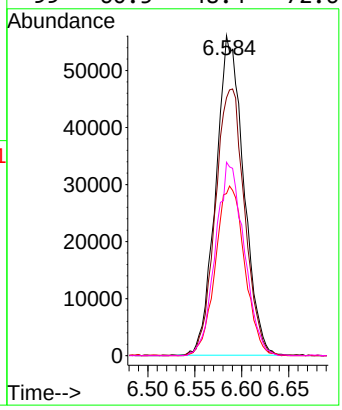


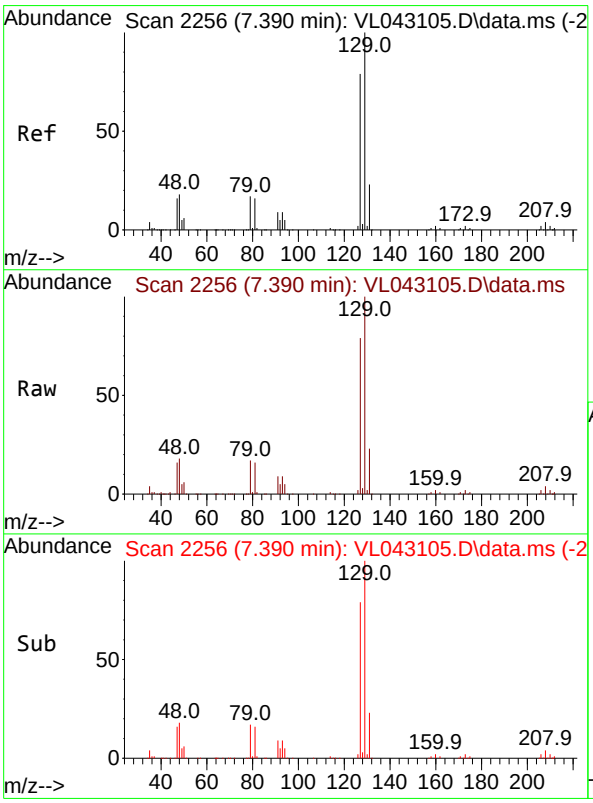
#47
1,1,2-Trichloroethane
Concen: 9.082 ppbv
RT: 6.584 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 115419

Ion	Ratio	Lower	Upper
97	100		
83	80.7	64.6	96.8
85	50.7	40.6	60.8
99	60.5	48.4	72.6

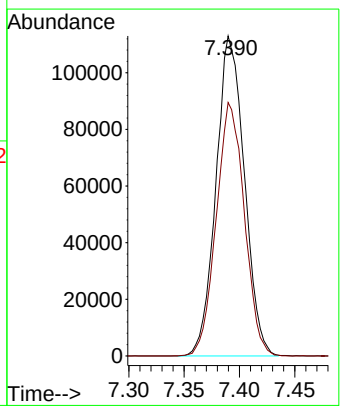


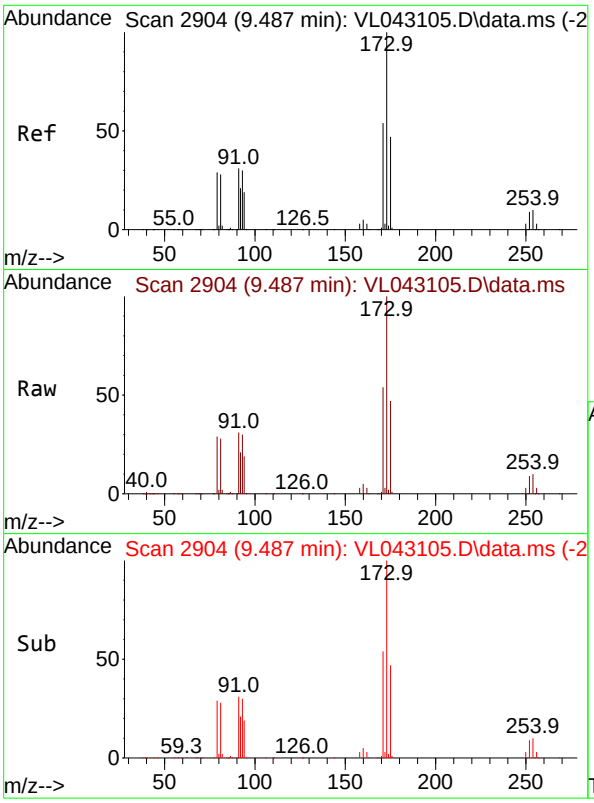


#48
Dibromochloromethane
Concen: 9.476 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:129 Resp: 201349

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9



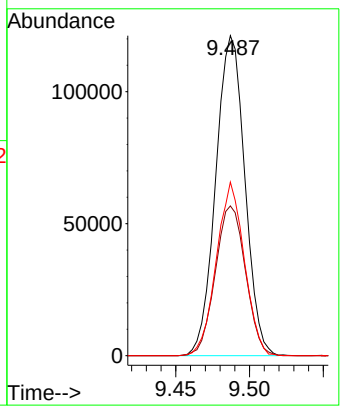


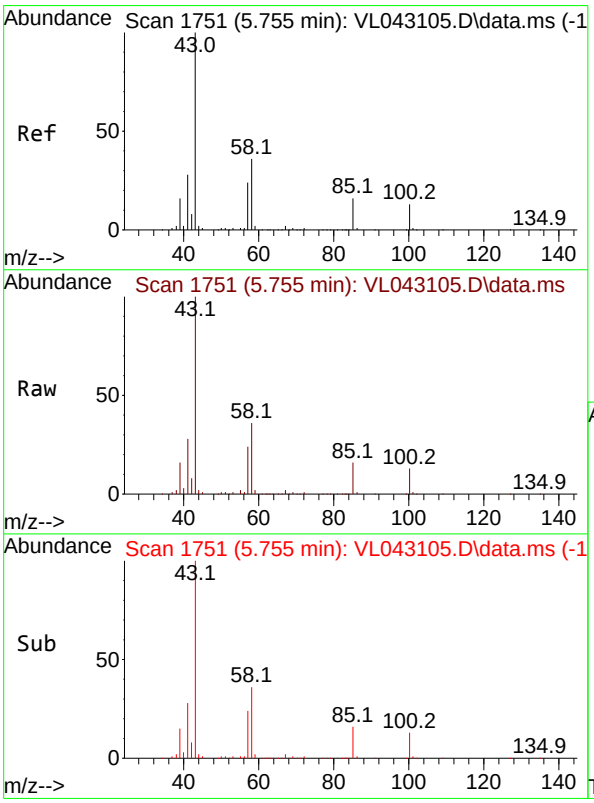
#49
Bromoform
Concen: 9.633 ppbv
RT: 9.487 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 166377

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.8	58.2
171	52.1	41.7	62.5

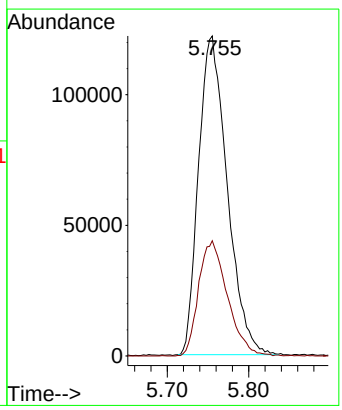


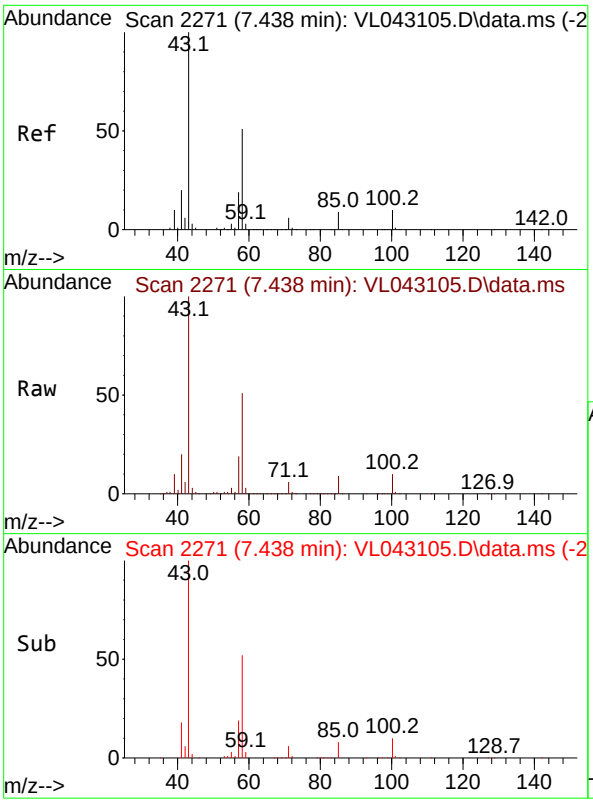


#50
4-Methyl-2-Pentanone
Concen: 9.362 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 43 Resp: 298401

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7



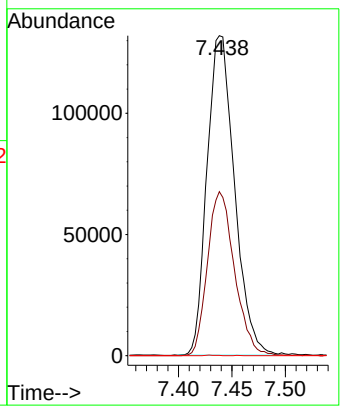


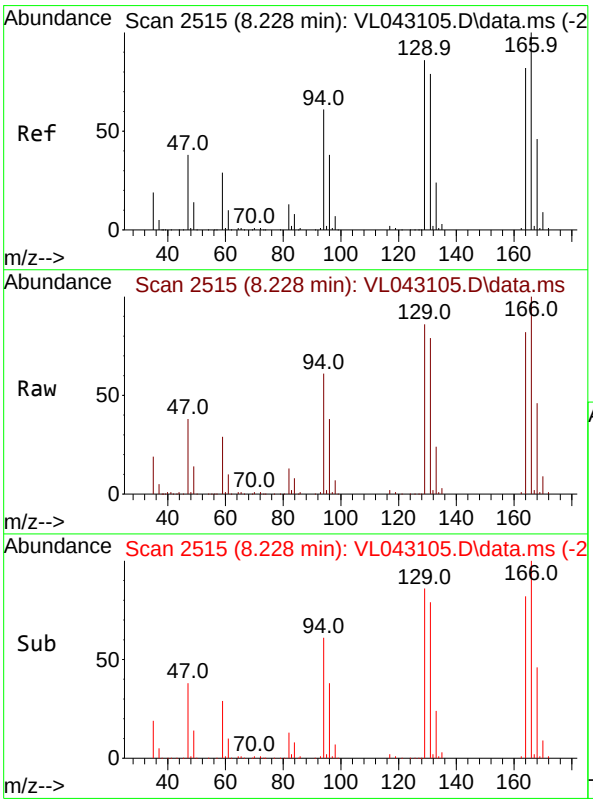
#51
2-Hexanone
Concen: 9.940 ppbv
RT: 7.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 236391

Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.4	60.6
98	0.1	0.1	0.1

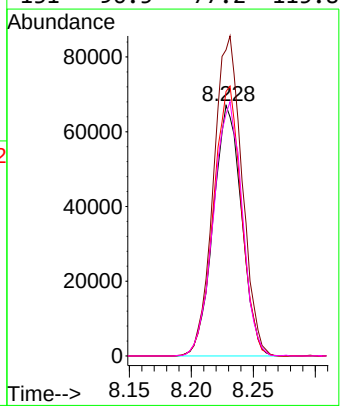


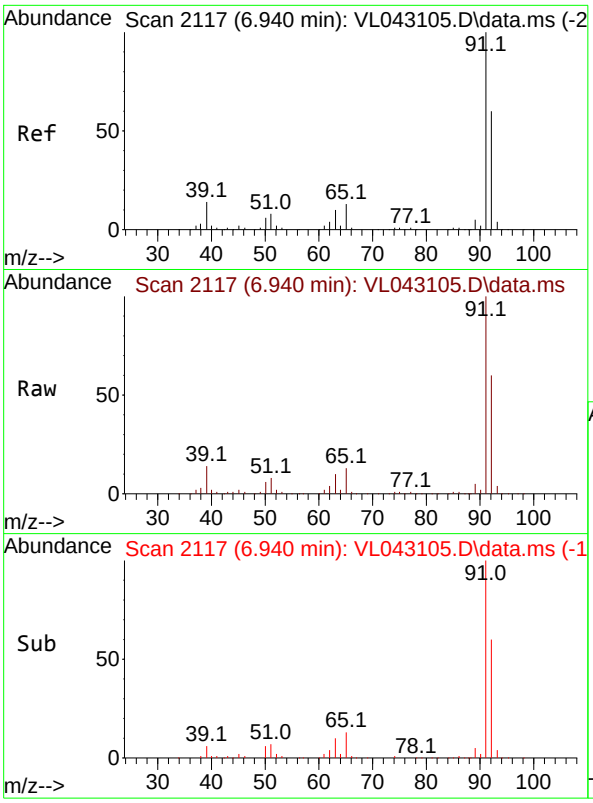


#52
Tetrachloroethene
Concen: 9.192 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:164 Resp: 106710

Ion	Ratio	Lower	Upper
164	100		
166	122.0	97.6	146.4
129	105.6	84.5	126.7
131	96.5	77.2	115.8



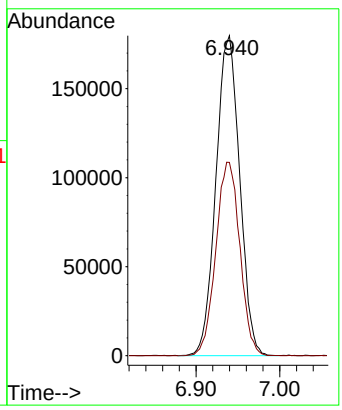


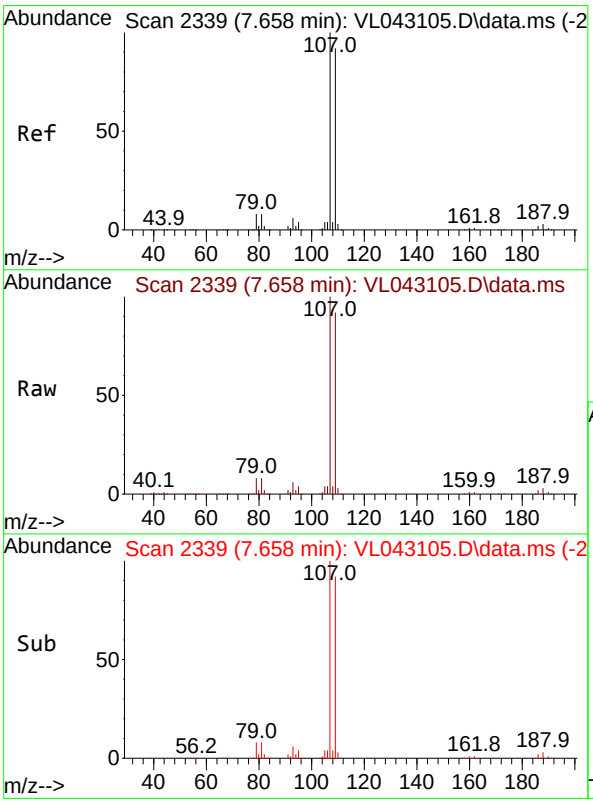
#53
Toluene
Concen: 9.266 ppbv
RT: 6.940 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 354007

Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.8	73.2

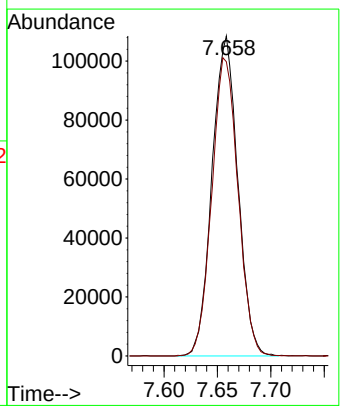


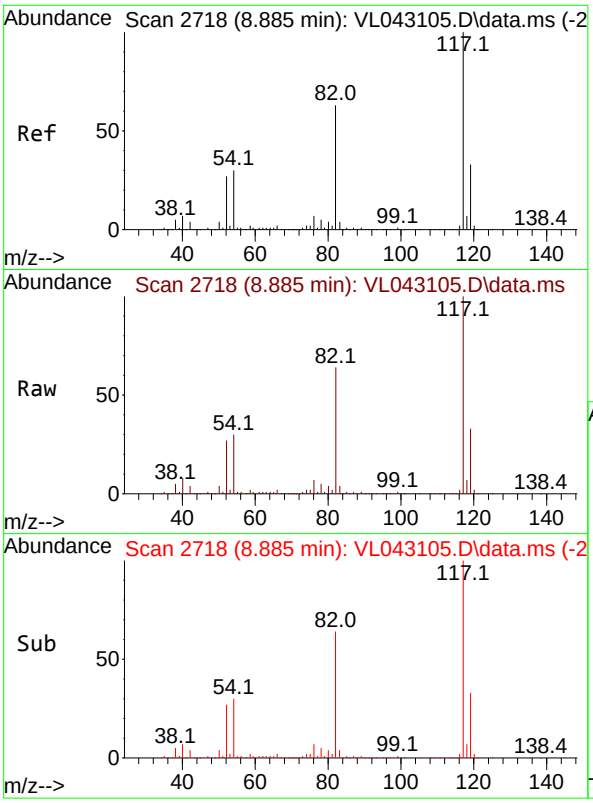


#54
1,2-Dibromoethane
Concen: 9.080 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:107 Resp: 182074

Ion	Ratio	Lower	Upper
107	100		
109	91.8	73.4	110.2



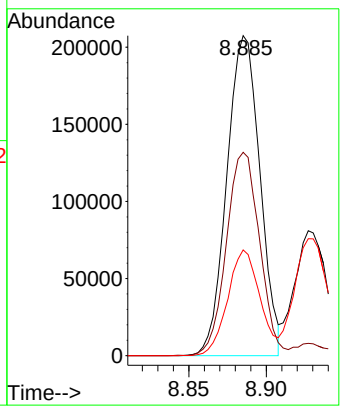


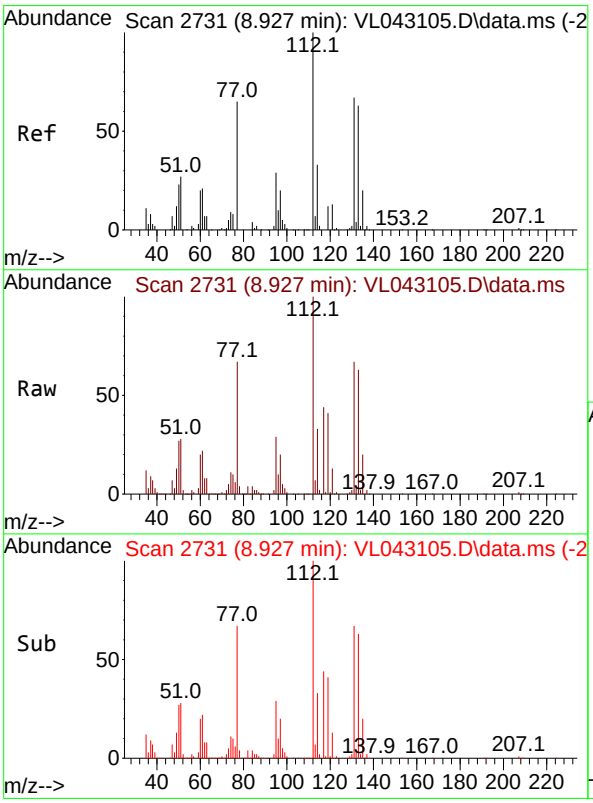
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 309230

Ion	Ratio	Lower	Upper
117	100		
82	67.3	53.8	80.8
119	33.4	25.4	38.0

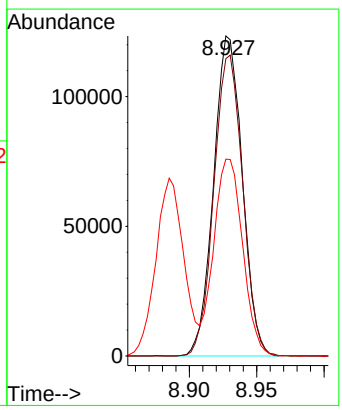


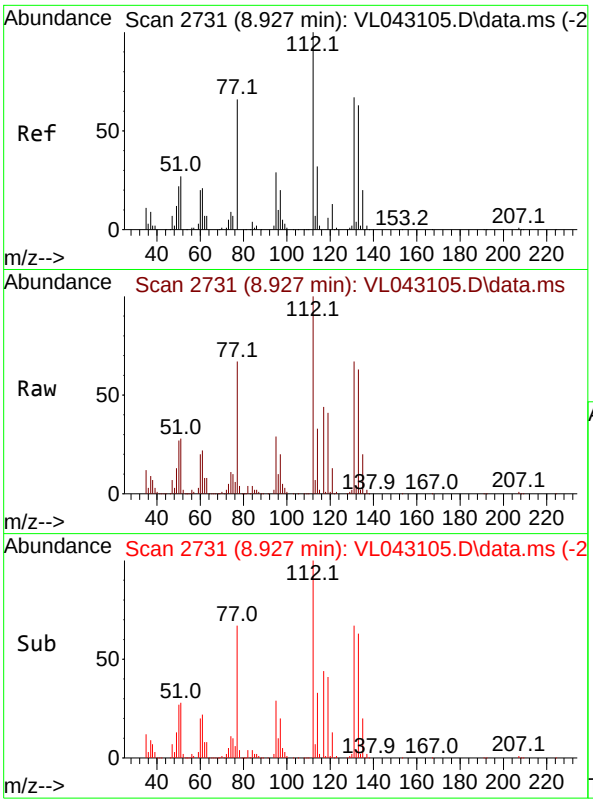


#56
1,1,1,2-Tetrachloroethane
Concen: 9.367 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:131 Resp: 182585

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.7	113.5
119	63.3	50.6	76.0



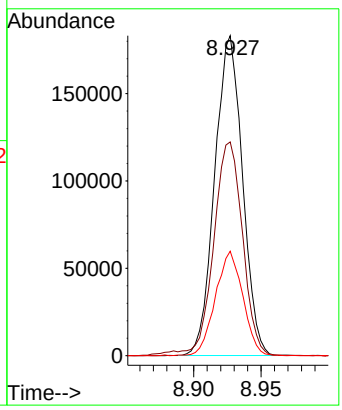


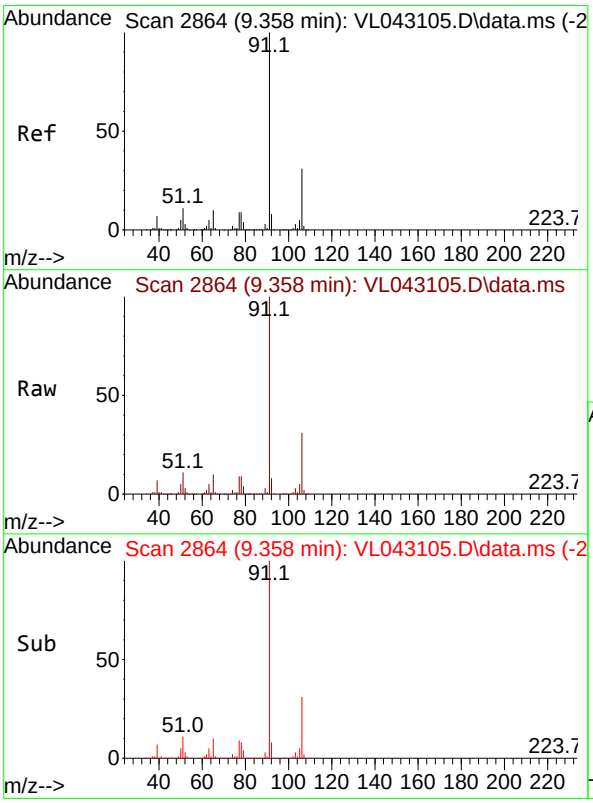
#57
Chlorobenzene
Concen: 9.076 ppbv
RT: 8.927 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 262566

Ion	Ratio	Lower	Upper
112	100		
77	66.6	53.3	79.9
114	32.5	29.3	35.8

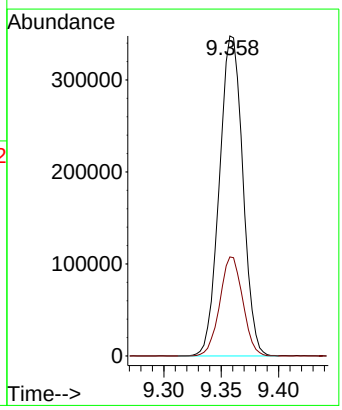


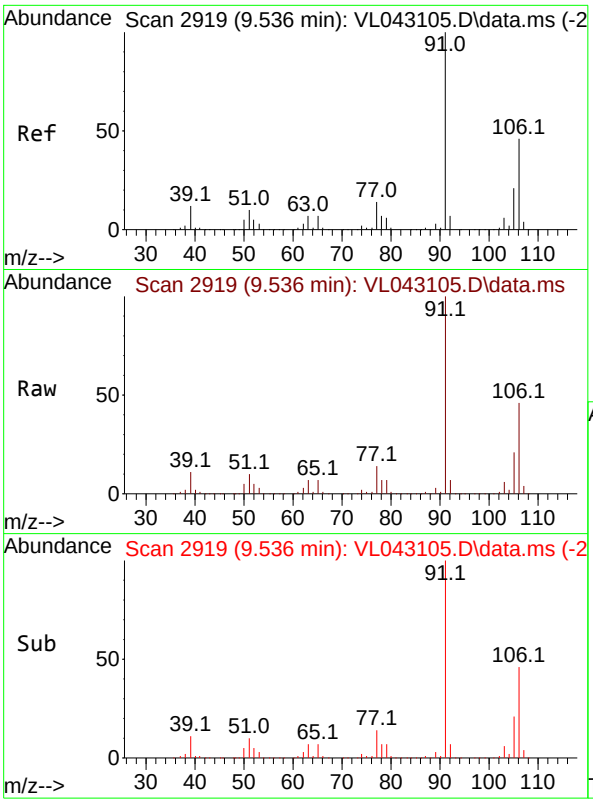


#58
Ethyl Benzene
Concen: 9.241 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 494344

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.8	37.2



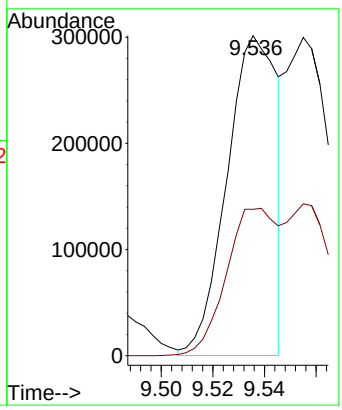


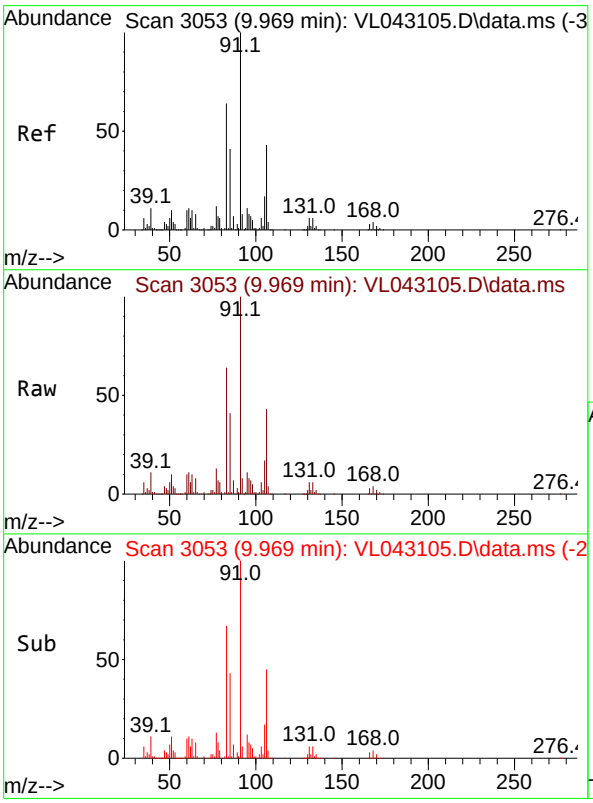
#59
m/p-Xylene
Concen: 9.529 ppbv
RT: 9.536 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 403670

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

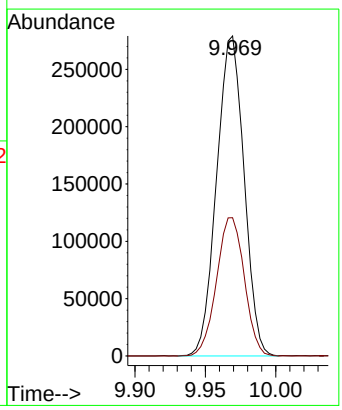


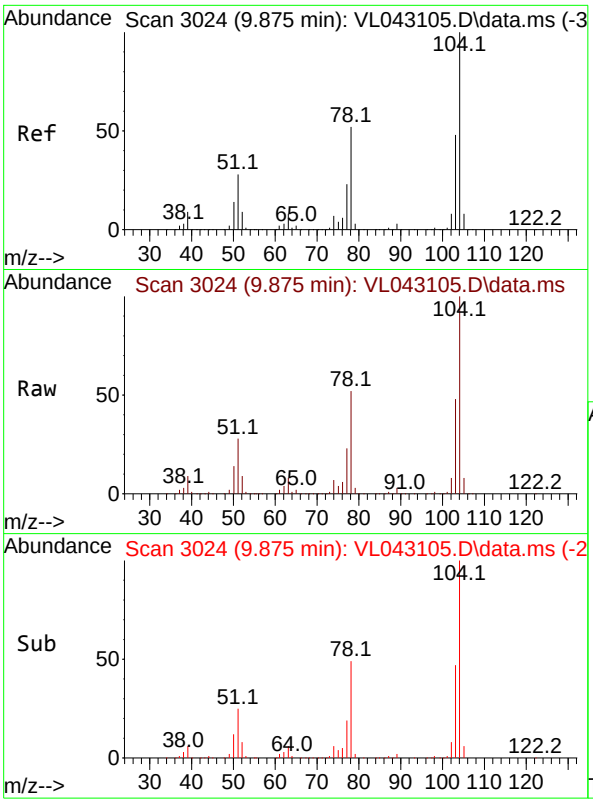


#60
o-Xylene
Concen: 9.053 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 378462

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.9	65.8



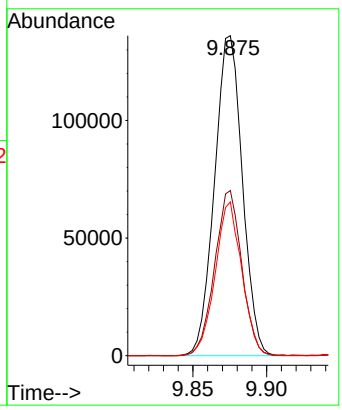


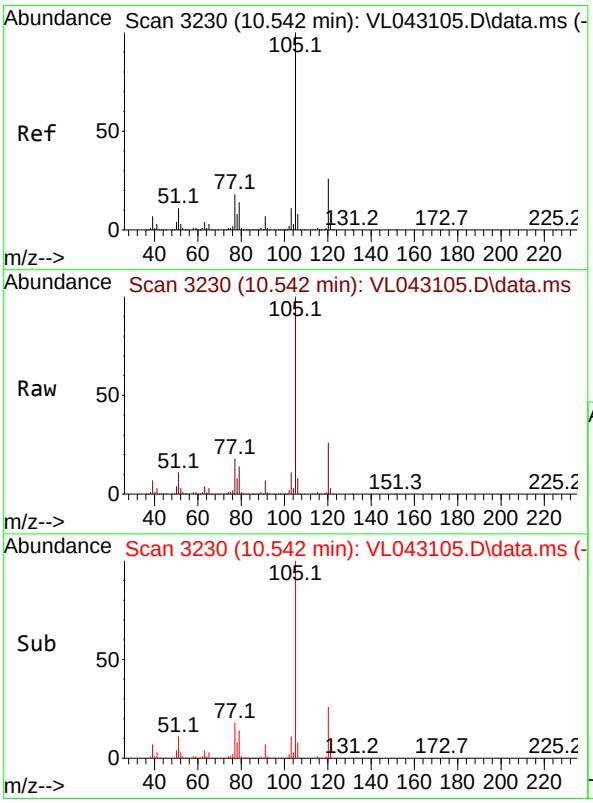
#61
Styrene
Concen: 9.477 ppbv
RT: 9.875 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 178859

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.2	60.2
103	46.1	36.9	55.3

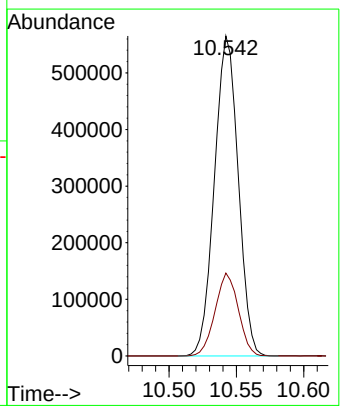


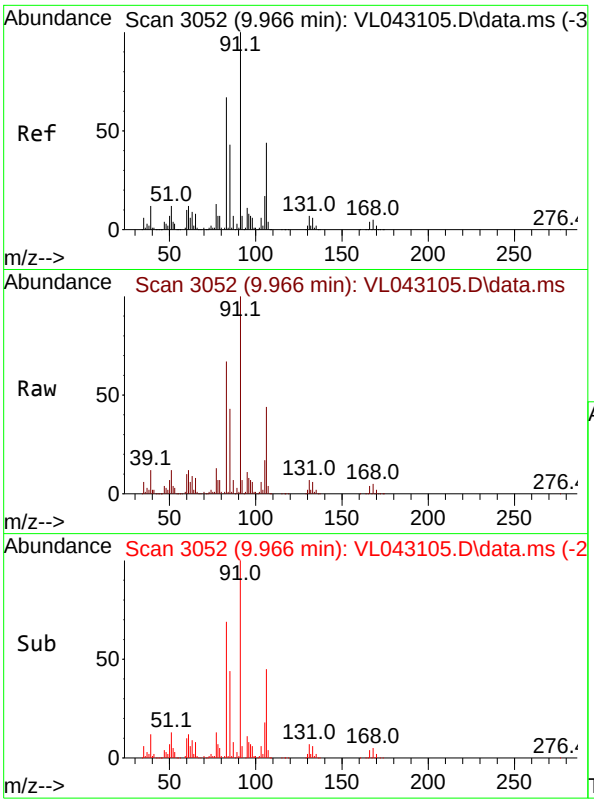


#62
Isopropylbenzene
Concen: 9.173 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 692992

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.4



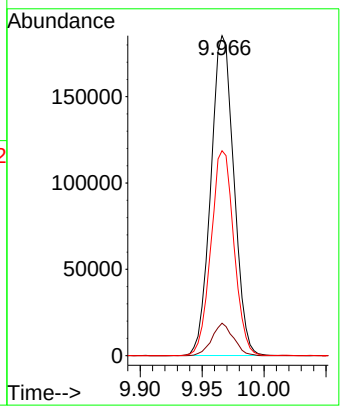


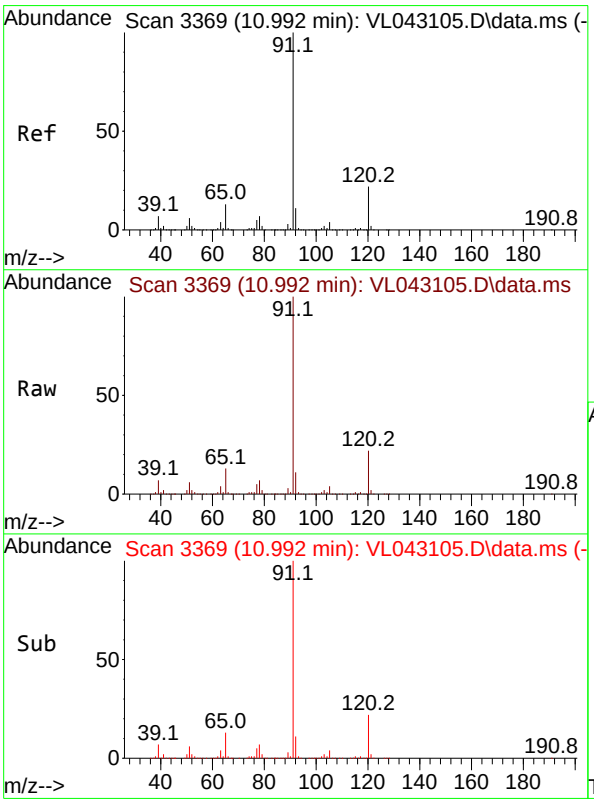
#63
1,1,2,2-Tetrachloroethane
Concen: 8.582 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 240245

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.0	32.0	96.0

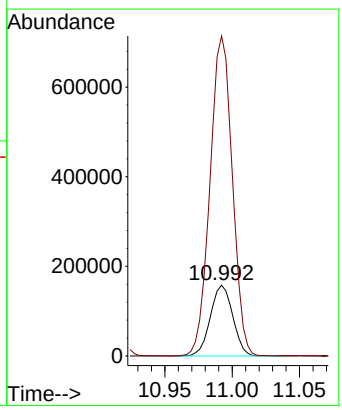


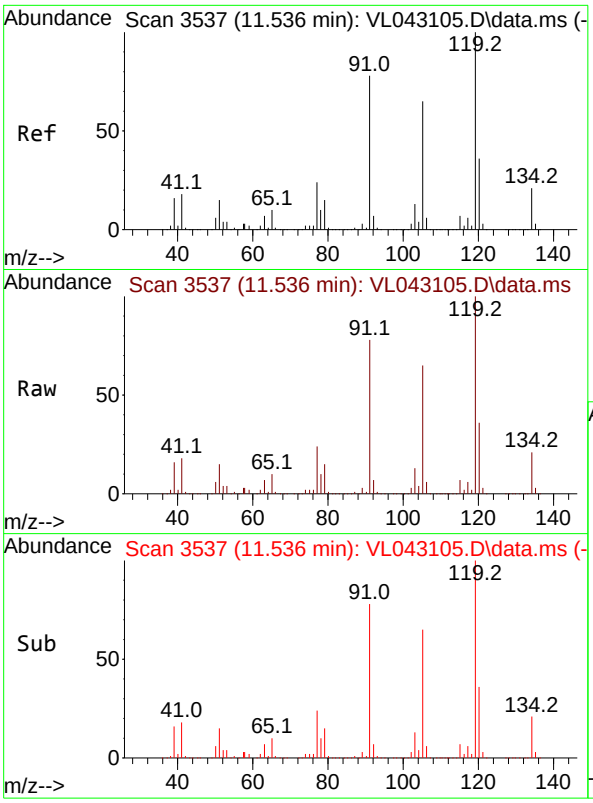


#64
n-propylbenzene
Concen: 9.112 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:120 Resp: 182233

Ion	Ratio	Lower	Upper
120	100		
91	452.0	361.6	542.4



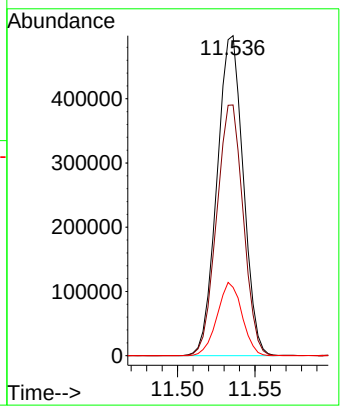


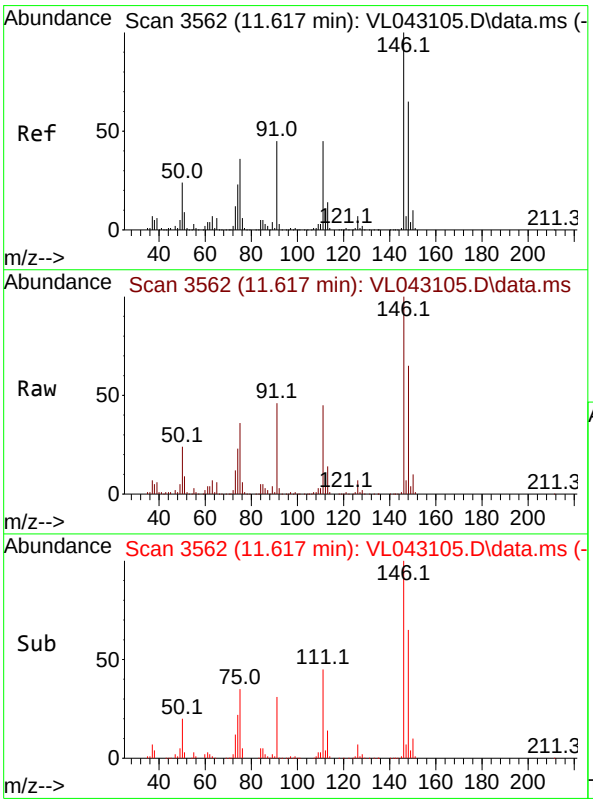
#65
tert-Butylbenzene
Concen: 8.810 ppbv
RT: 11.536 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 587750

Ion	Ratio	Lower	Upper
119	100		
91	79.1	63.4	95.0
134	21.6	17.3	25.9

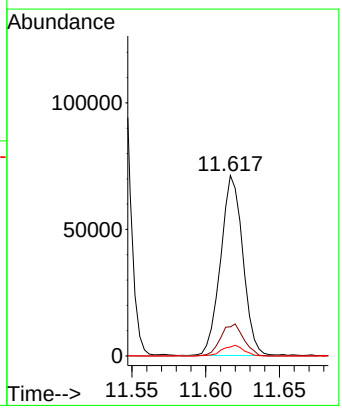


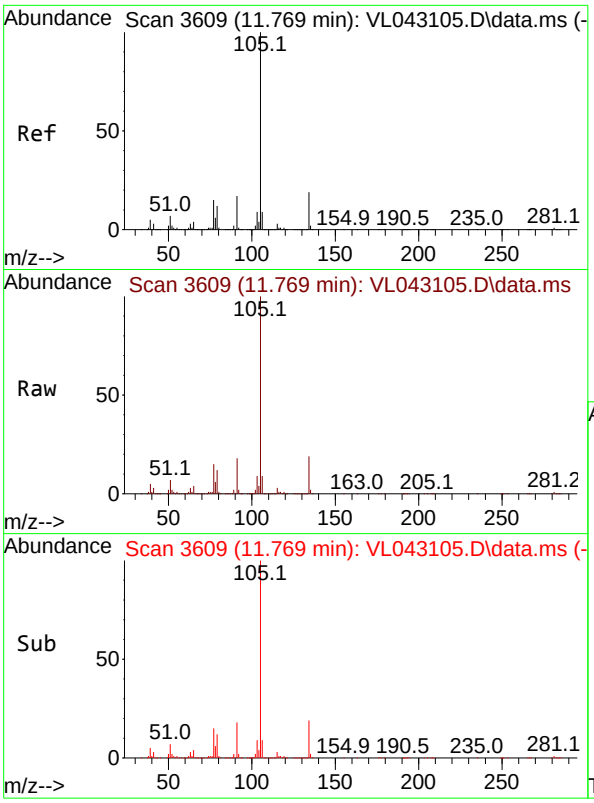


#66
Benzyl Chloride
Concen: 10.009 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 74574

Ion	Ratio	Lower	Upper
91	100		
126	18.3	14.6	22.0
128	5.7	4.6	6.8



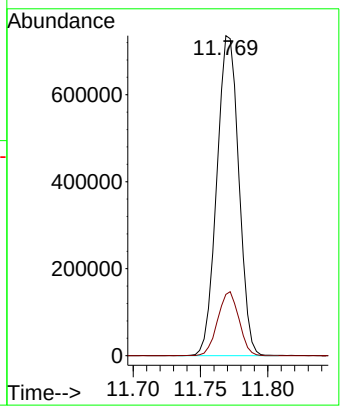


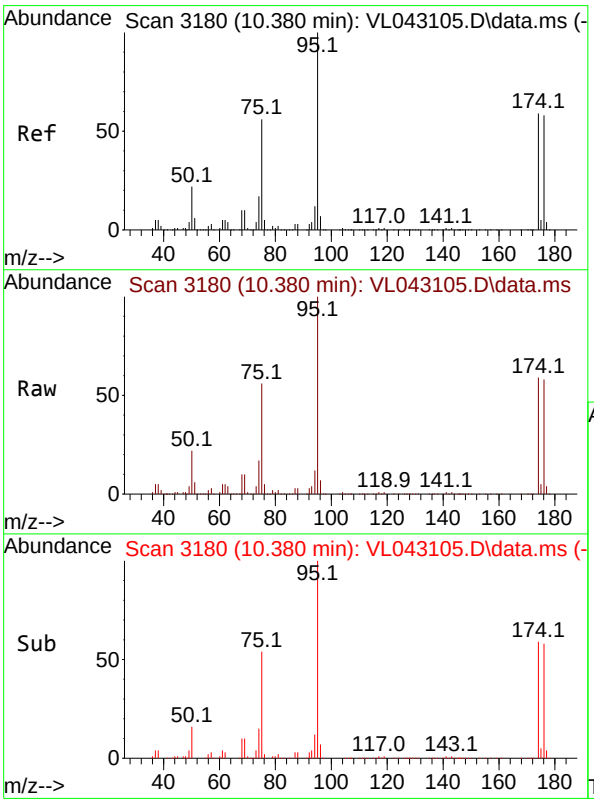
#67
sec-Butylbenzene
Concen: 8.809 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 834052

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

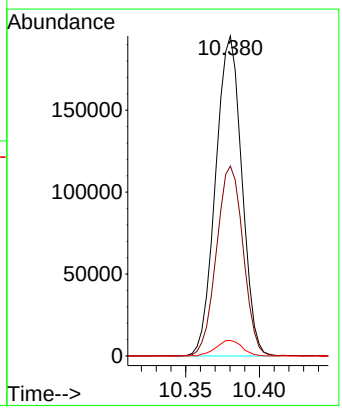


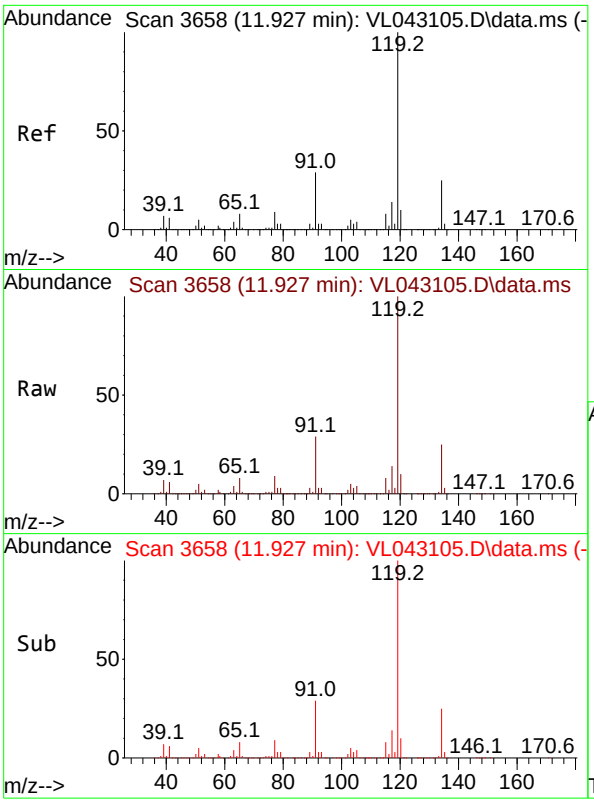


#68
1-Bromo-4-Fluorobenzene
Concen: 10.046 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 95 Resp: 241468

Ion	Ratio	Lower	Upper
95	100		
174	60.4	48.3	72.5
175	4.8	3.8	5.8



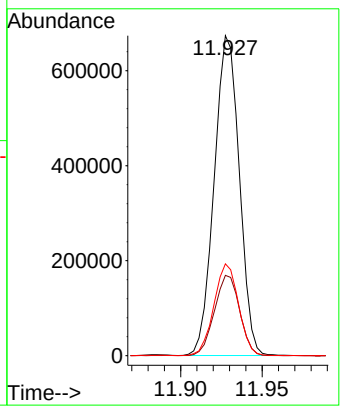


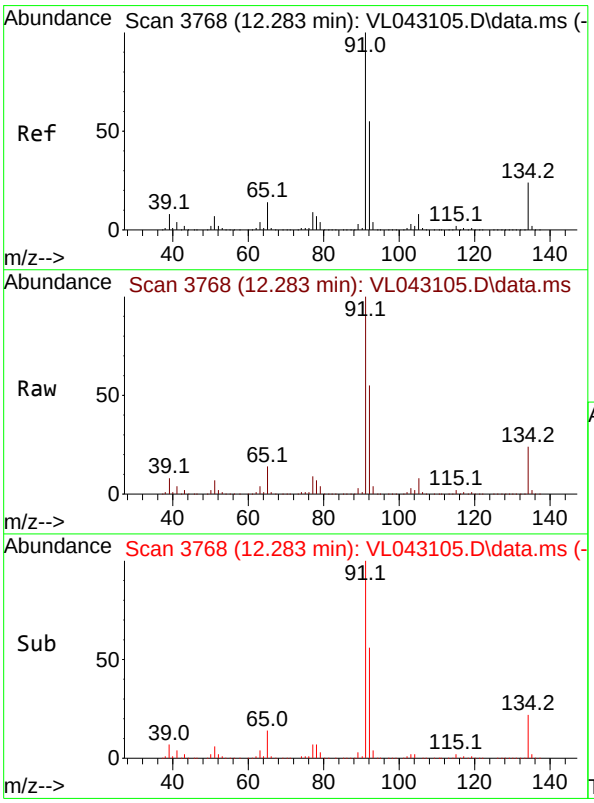
#69
p-Isopropyltoluene
Concen: 8.955 ppbv
RT: 11.927 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 720433

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	28.3	22.6	33.8

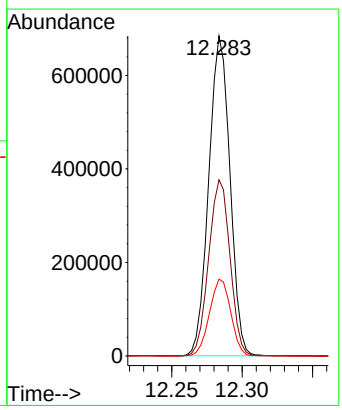


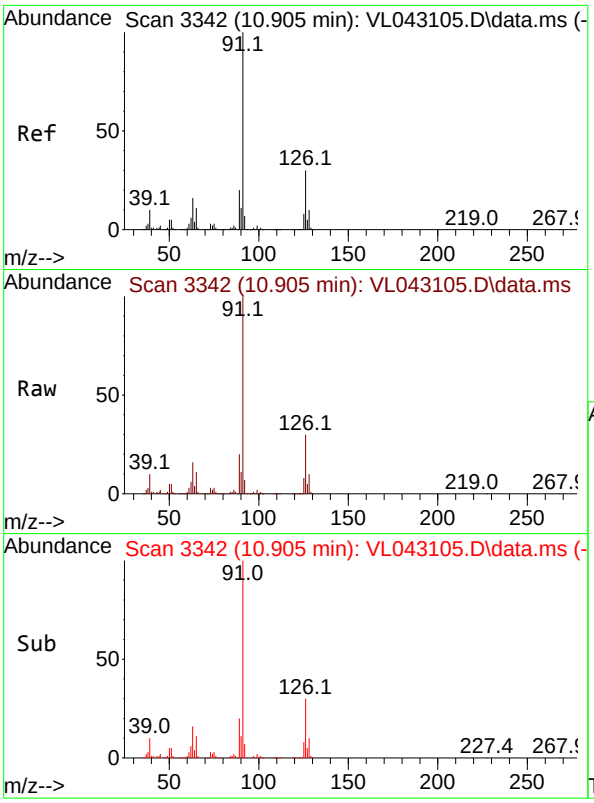


#70
n-Butylbenzene
Concen: 9.053 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion: 91 Resp: 717743

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.5	66.7
134	24.1	19.3	28.9



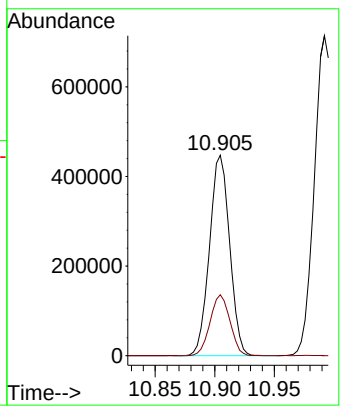


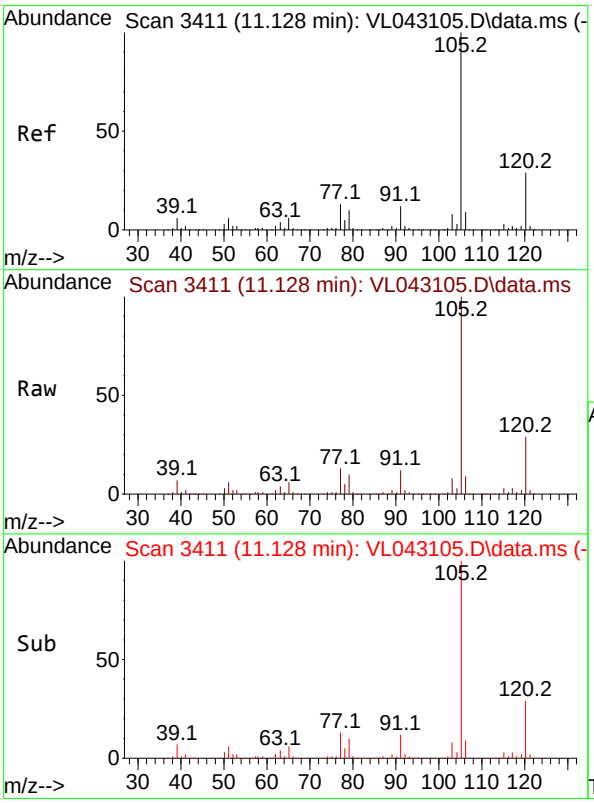
#71
2-Chlorotoluene
Concen: 9.111 ppbv
RT: 10.905 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 524961

Ion	Ratio	Lower	Upper
91	100		
126	30.0	12.0	48.0

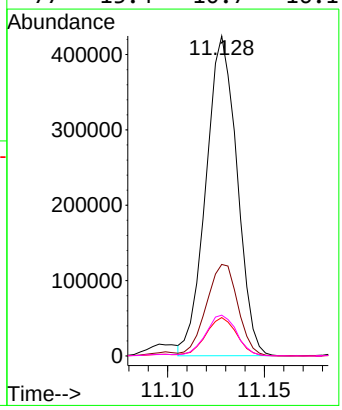


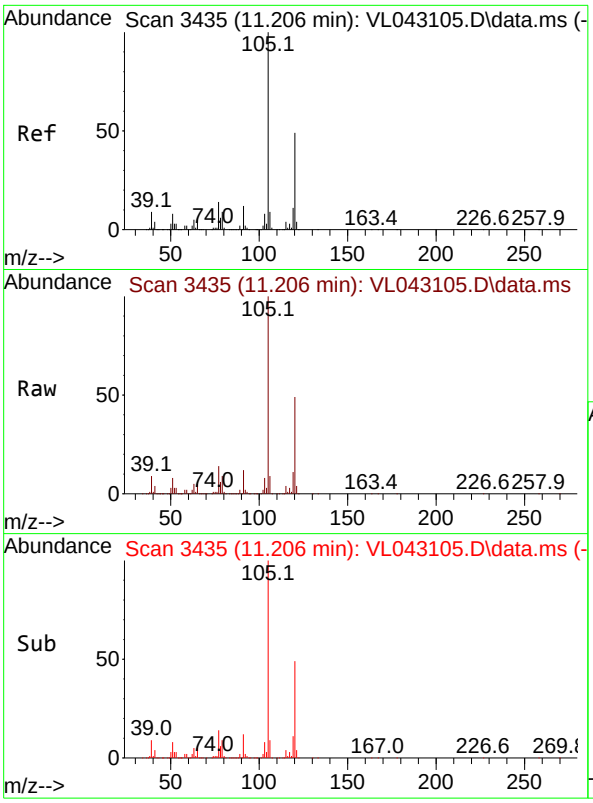


#72
4-Ethyltoluene
Concen: 9.202 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 473042

Ion	Ratio	Lower	Upper
105	100		
120	30.3	24.2	36.4
91	12.5	10.0	15.0
77	13.4	10.7	16.1



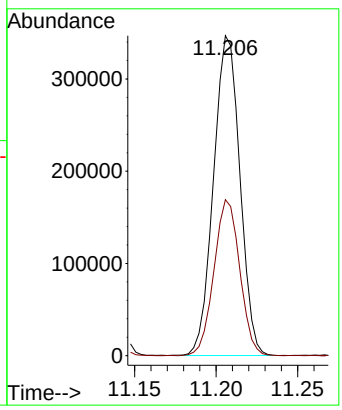


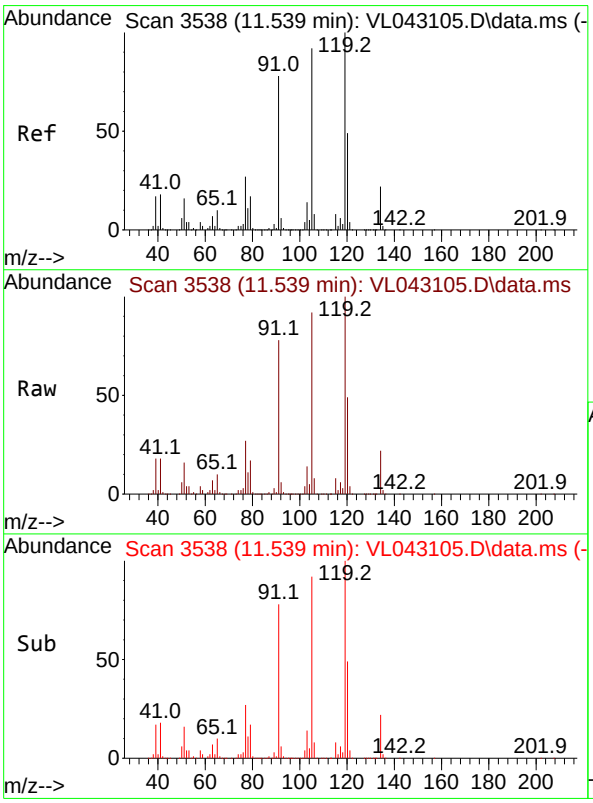
#73
1,3,5-Trimethylbenzene
Concen: 9.195 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 389818

Ion	Ratio	Lower	Upper
105	100		
120	48.8	39.0	58.6

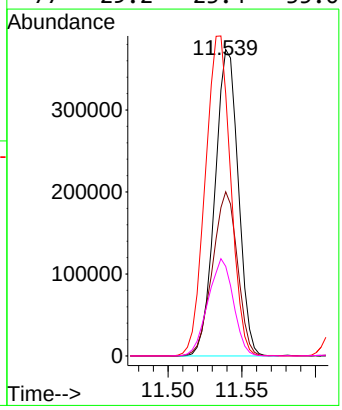


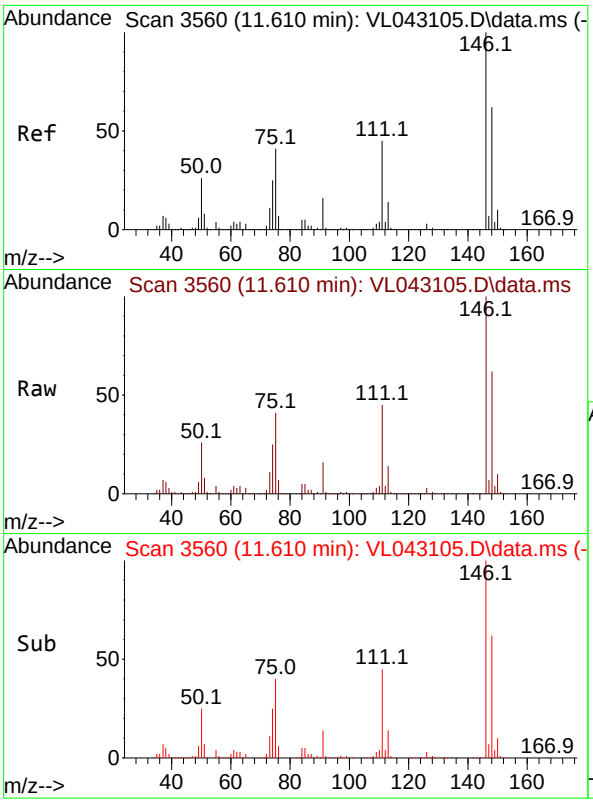


#74
1,2,4-Trimethylbenzene
Concen: 8.676 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:105 Resp: 411619

Ion	Ratio	Lower	Upper
105	100		
120	53.5	42.8	64.2
91	85.4	68.3	102.5
77	29.2	23.4	35.0



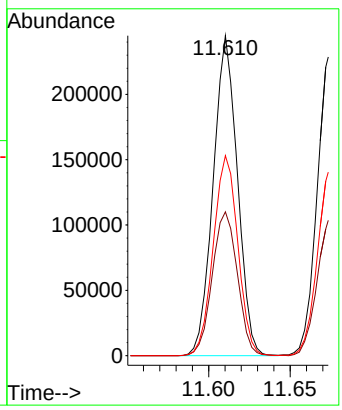


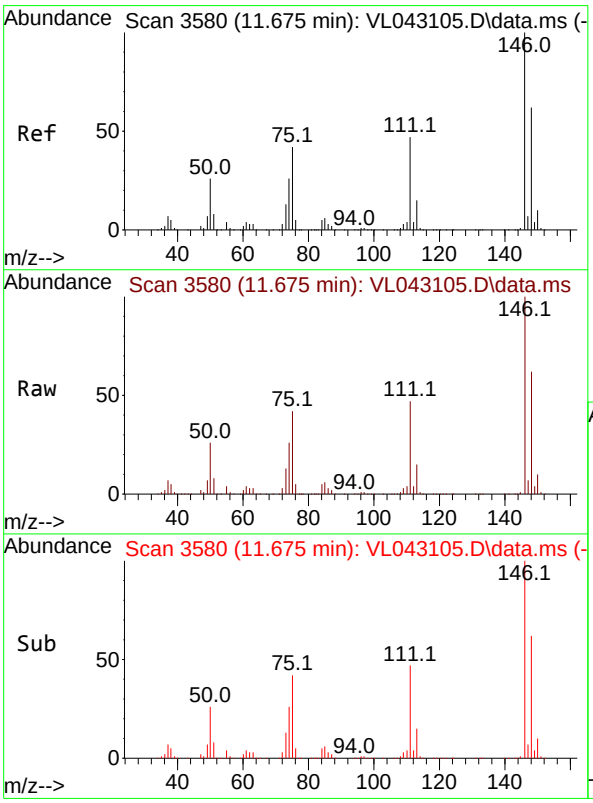
#75
1,3-Dichlorobenzene
Concen: 9.192 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 252926

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.3	69.9
148	63.3	31.6	95.0

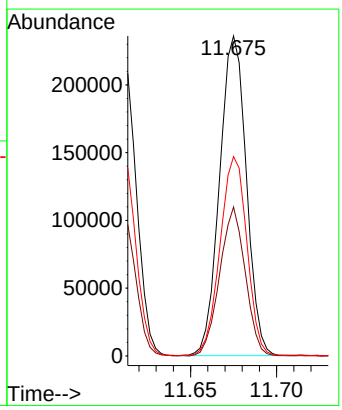


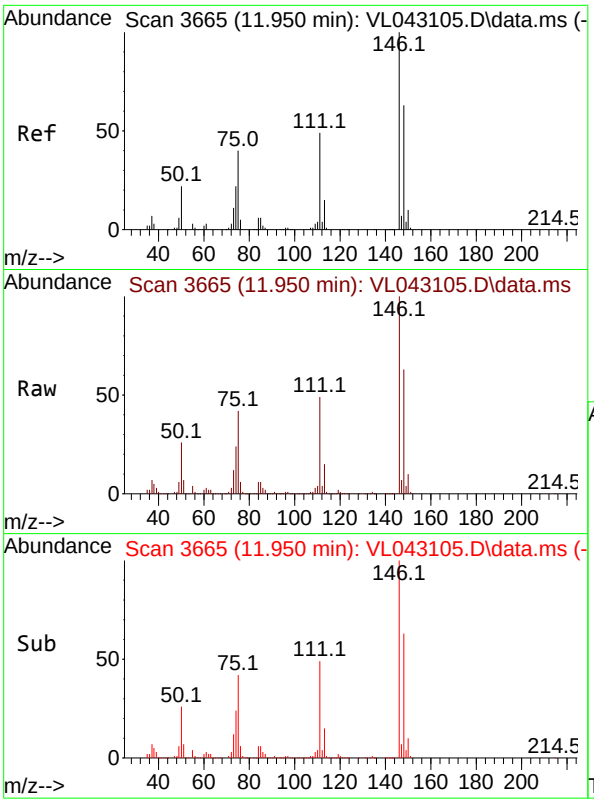


#76
1,4-Dichlorobenzene
Concen: 9.171 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:146 Resp: 254461

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.0
148	63.1	31.6	94.7



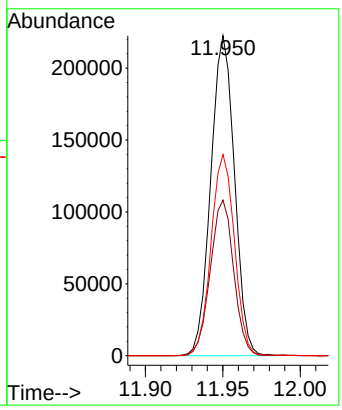


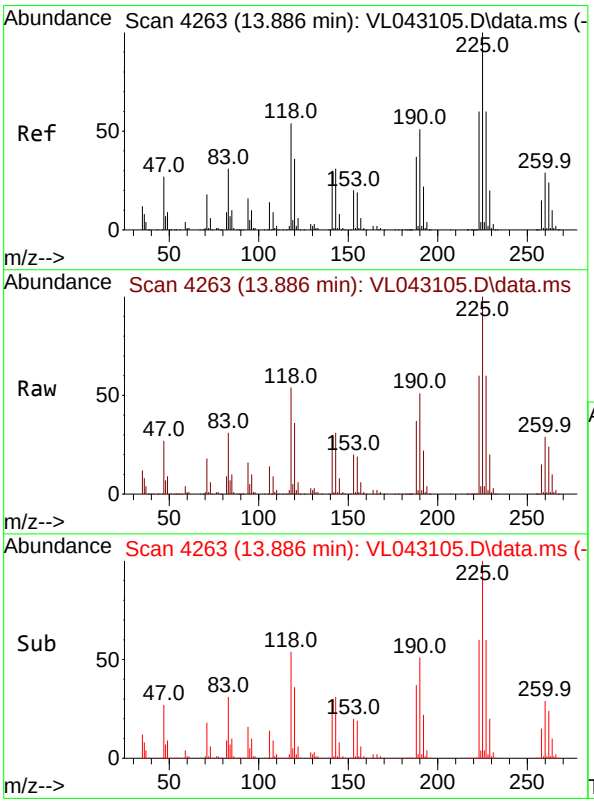
#77
1,2-Dichlorobenzene
Concen: 8.893 ppbv
RT: 11.950 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 236724

Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.0	72.0
148	62.2	31.1	93.3

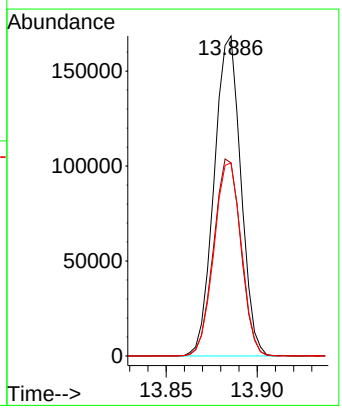


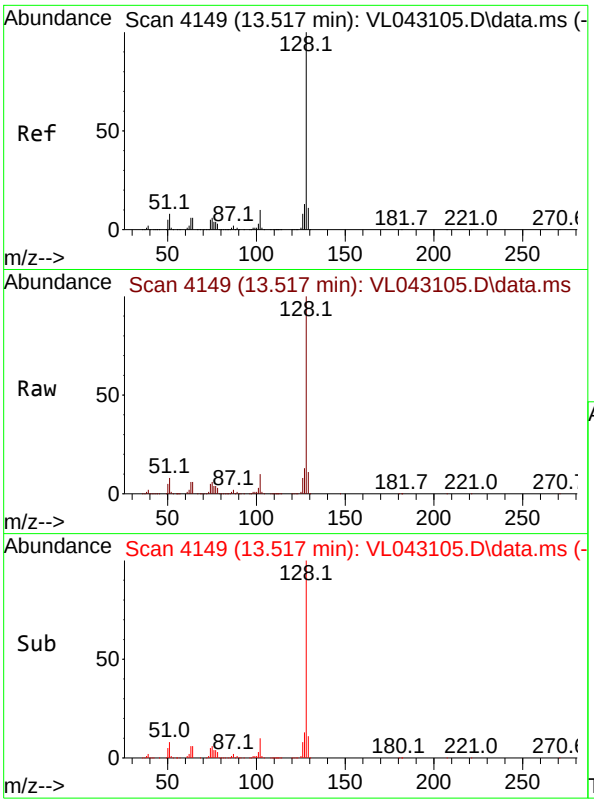


#78
Hexachloro-1,3-Butadiene
Concen: 8.334 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:225 Resp: 171777

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4
227	62.0	49.6	74.4



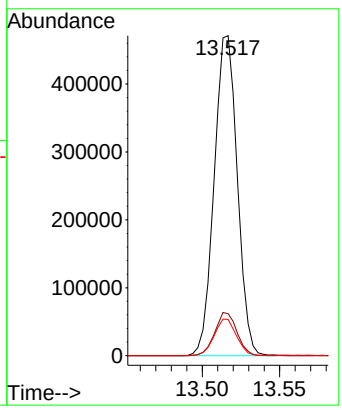


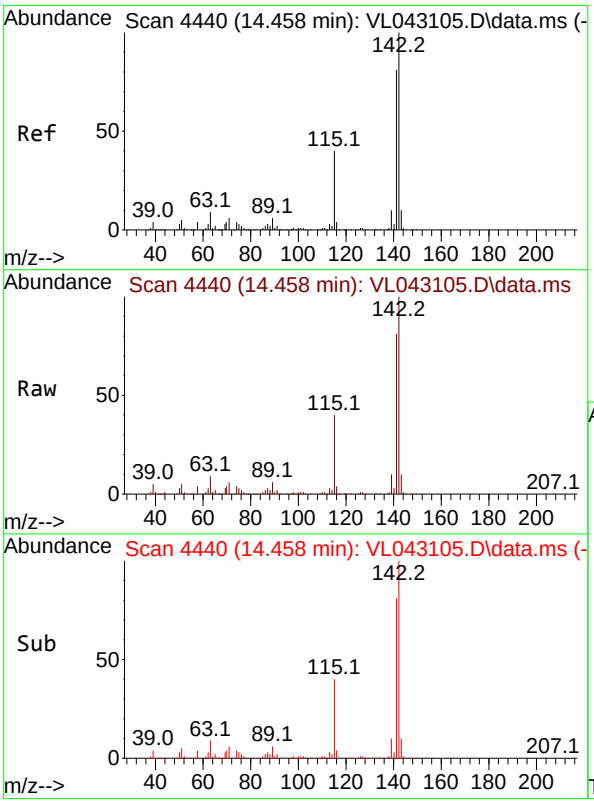
#79
Naphthalene
Concen: 9.972 ppbv
RT: 13.517 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 488672

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.4	9.1	13.7

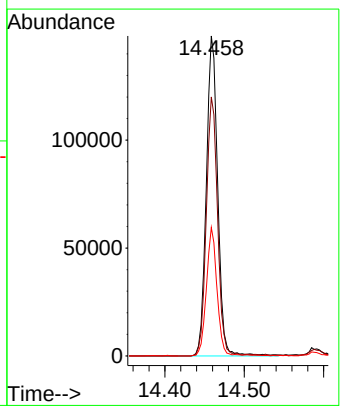


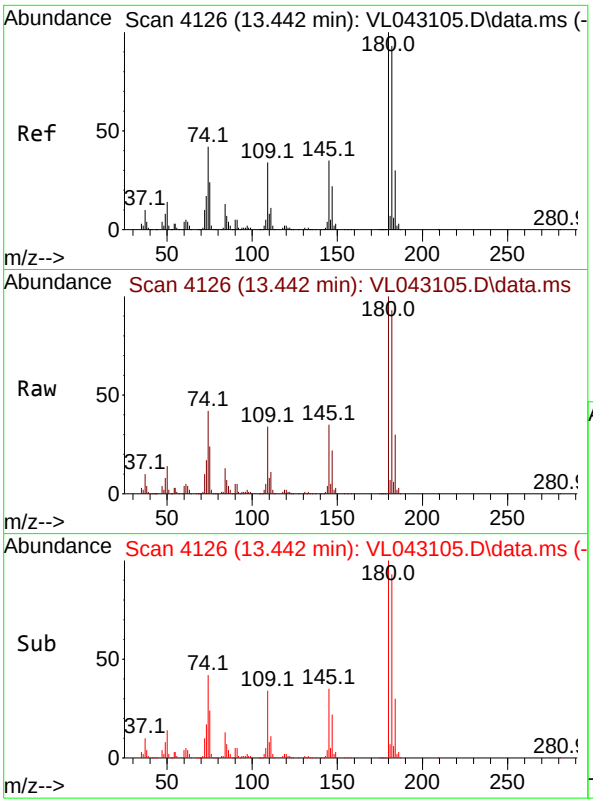


#80
Naphthalene,2-methyl-
Concen: 11.431 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Tgt Ion:142 Resp: 147897

Ion	Ratio	Lower	Upper
142	100		
141	80.8	64.6	97.0
115	37.8	30.2	45.4



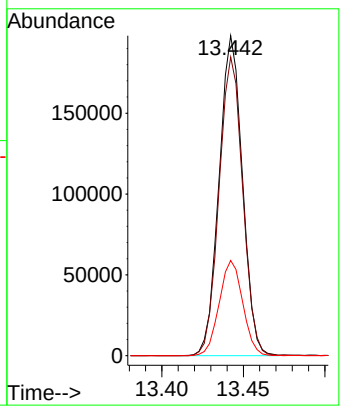


#81
1,2,4-Trichlorobenzene
Concen: 9.582 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043105.D
Acq: 14 Oct 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 197210

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.5	113.3
184	29.9	23.9	35.9



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Oct 15 01:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	105309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	342939	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	313603	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	244329	10.024	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	31189	2.083	ppbv	99
3) Chlorodifluoromethane	1.476	51	33217	2.050	ppbv	96
4) Chloromethane	1.535	50	12185	2.054	ppbv	93
5) Vinyl Chloride	1.583	62	11114	1.911	ppbv	92
6) Bromomethane	1.671	94	6672	2.092	ppbv	95
7) Chloroethane	1.706	64	5008	2.106	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	25897	2.140	ppbv	100
9) Propene	1.486	41	15177	2.112	ppbv	94
10) Heptane	4.982	43	42790	2.078	ppbv	97
11) Trichlorofluoromethane	1.881	101	31114	2.125	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	25091	2.128	ppbv	100
13) Ethanol	1.722	45	6363	2.394	ppbv	95
14) Bromoethene	1.784	108	9087	2.075	ppbv	97
15) Acetone	1.836	43	31756	2.225	ppbv	97
16) 1,3-Butadiene	1.612	39	13668	2.021	ppbv	99
17) tert-Butyl alcohol	2.043	59	40738	2.091	ppbv	96
18) 1,1-Dichloroethene	2.036	96	10794	2.100	ppbv	99
19) Isopropyl Alcohol	1.888	45	18326	2.073	ppbv #	40
20) Methylene Chloride	2.062	84	10694	1.906	ppbv #	82
21) Allyl Chloride	2.098	41	21902	2.090	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	12511	2.036	ppbv	98
23) Vinyl Acetate	2.464	43	48282	2.322	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	25066	2.112	ppbv	99
25) Ethyl Acetate	2.836	43	74929	2.129	ppbv	99
26) Hexane	2.829	57	32595	2.010	ppbv	93
27) Carbon Disulfide	2.153	76	31705	2.134	ppbv	95
28) Methyl tert-Butyl Ether	2.441	73	16207	2.196	ppbv	98
29) Chloroform	2.849	83	48367	2.058	ppbv	99
30) Cyclohexane	3.859	84	29270	2.069	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	31925	2.061	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	51049	2.086	ppbv	98
34) 2-Butanone	2.558	43	48458	2.090	ppbv	99
35) Carbon Tetrachloride	3.765	117	51073	2.071	ppbv	97
36) Benzene	3.658	78	70156	2.172	ppbv	98
37) 1,2-Dichloroethane	3.218	62	38767	2.083	ppbv	100
38) Trichloroethene	4.551	130	27272	2.024	ppbv	96
39) 1,2-Dichloropropane	4.315	63	25427	2.151	ppbv	92
40) 1,4-Dioxane	4.584	88	4954	0.938	ppbv #	21
41) Tetrahydrofuran	3.059	42	26362	2.037	ppbv	98
42) Bromodichloromethane	4.496	83	54224	2.106	ppbv #	93
43) Methyl Methacrylate	4.878	69	33805	2.051	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	115417	2.137	ppbv	99
45) t-1,3-Dichloropropene	6.416	75	34728	2.109	ppbv	90

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Oct 15 01:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

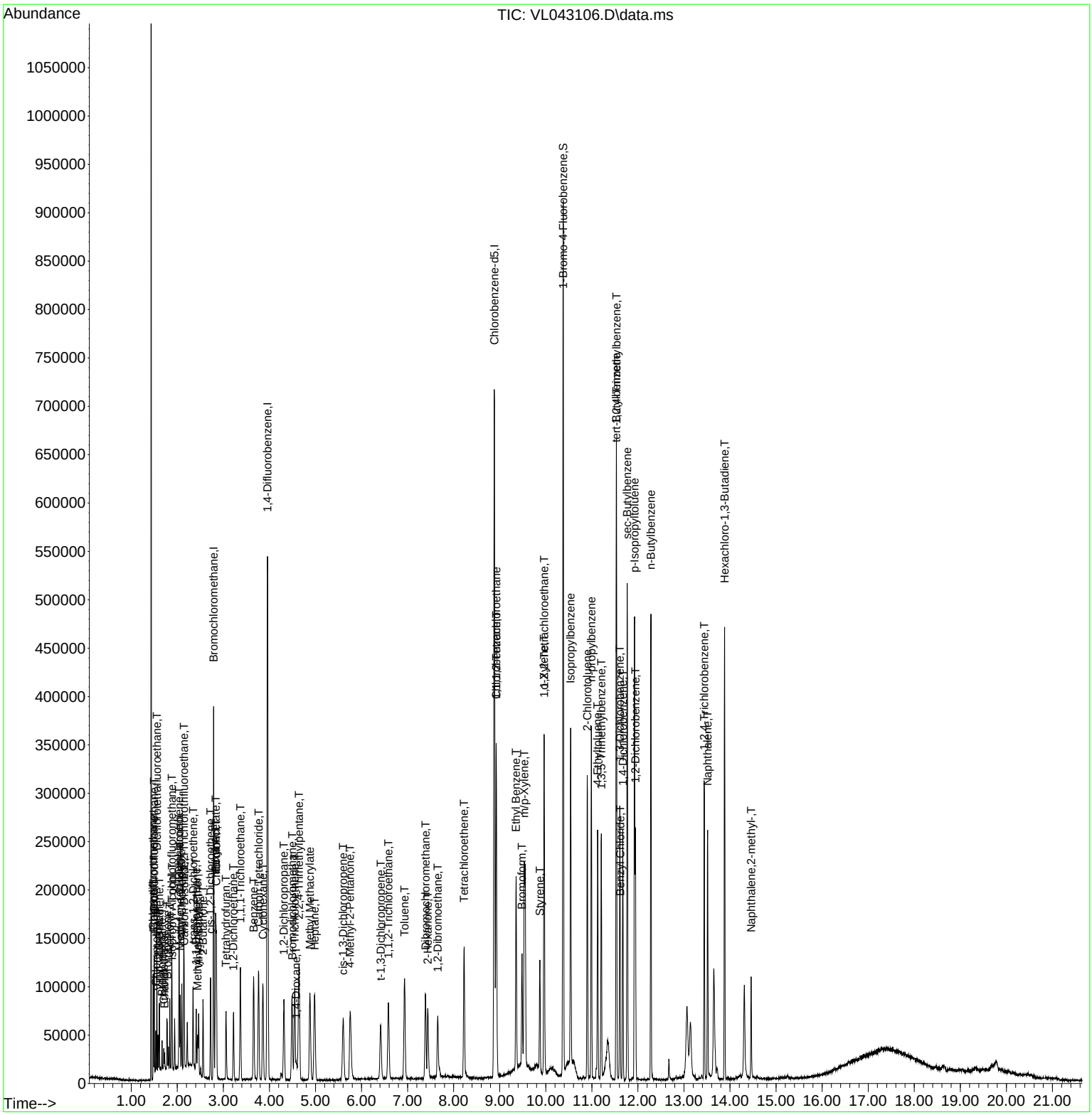
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	23612	1.202	ppbv		98
47) 1,1,2-Trichloroethane	6.584	97	26359	2.067	ppbv		94
48) Dibromochloromethane	7.390	129	45751	2.146	ppbv		99
49) Bromoform	9.484	173	37314	2.153	ppbv		99
50) 4-Methyl-2-Pentanone	5.752	43	66811	2.089	ppbv		99
51) 2-Hexanone	7.438	43	50642	2.122	ppbv	#	99
52) Tetrachloroethene	8.228	164	24183	2.076	ppbv		91
53) Toluene	6.937	91	80660	2.104	ppbv		99
54) 1,2-Dibromoethane	7.655	107	42320	2.103	ppbv		94
56) 1,1,1,2-Tetrachloroethane	8.924	131	41712	2.110	ppbv		94
57) Chlorobenzene	8.924	112	62714	2.138	ppbv		97
58) Ethyl Benzene	9.354	91	114403	2.109	ppbv		99
59) m/p-Xylene	9.532	91	96158	2.238	ppbv	#	29
60) o-Xylene	9.963	91	91223	2.152	ppbv		98
61) Styrene	9.872	104	41631	2.175	ppbv		98
62) Isopropylbenzene	10.539	105	164073	2.142	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.966	83	58510	2.061	ppbv		99
64) n-propylbenzene	10.989	120	43648	2.152	ppbv		96
65) tert-Butylbenzene	11.529	119	148300	2.192	ppbv		99
66) Benzyl Chloride	11.617	91	15656	2.072	ppbv		98
67) sec-Butylbenzene	11.769	105	210525	2.193	ppbv		99
69) p-Isopropyltoluene	11.928	119	180060	2.207	ppbv		99
70) n-Butylbenzene	12.284	91	178676	2.222	ppbv		98
71) 2-Chlorotoluene	10.902	91	126551	2.166	ppbv		99
72) 4-Ethyltoluene	11.125	105	113233	2.172	ppbv		98
73) 1,3,5-Trimethylbenzene	11.206	105	92650	2.155	ppbv		99
74) 1,2,4-Trimethylbenzene	11.536	105	104352	2.169	ppbv		98
75) 1,3-Dichlorobenzene	11.607	146	62709	2.247	ppbv		99
76) 1,4-Dichlorobenzene	11.672	146	60877	2.164	ppbv		100
77) 1,2-Dichlorobenzene	11.947	146	57304	2.123	ppbv		97
78) Hexachloro-1,3-Butadiene	13.883	225	46796	2.239	ppbv		98
79) Naphthalene	13.514	128	123642	2.488	ppbv		99
80) Naphthalene,2-methyl-	14.459	142	32308	2.462	ppbv		98
81) 1,2,4-Trichlorobenzene	13.442	180	50394	2.414	ppbv		99

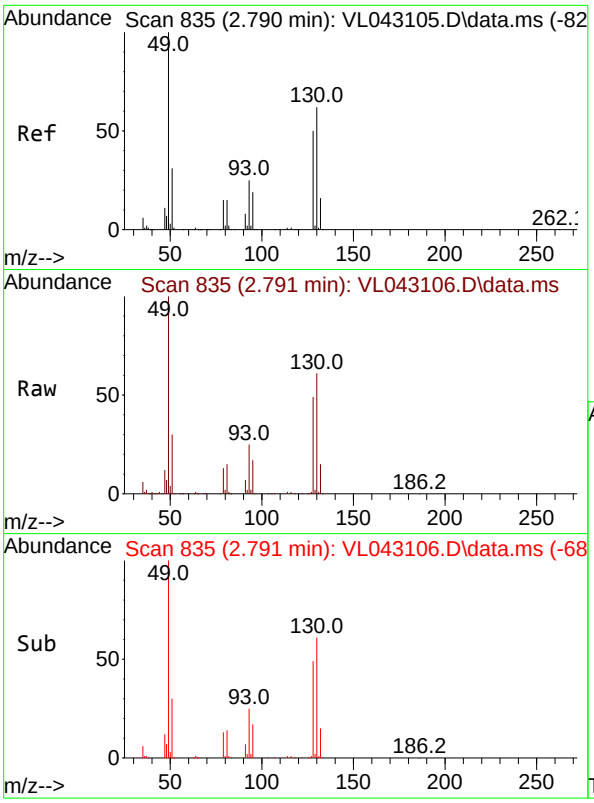
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Oct 15 01:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration



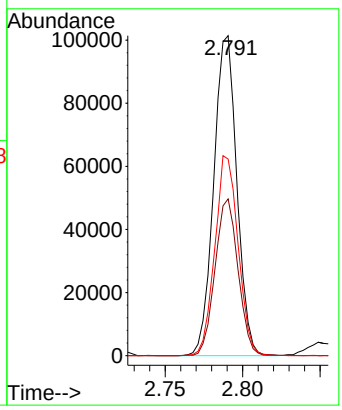


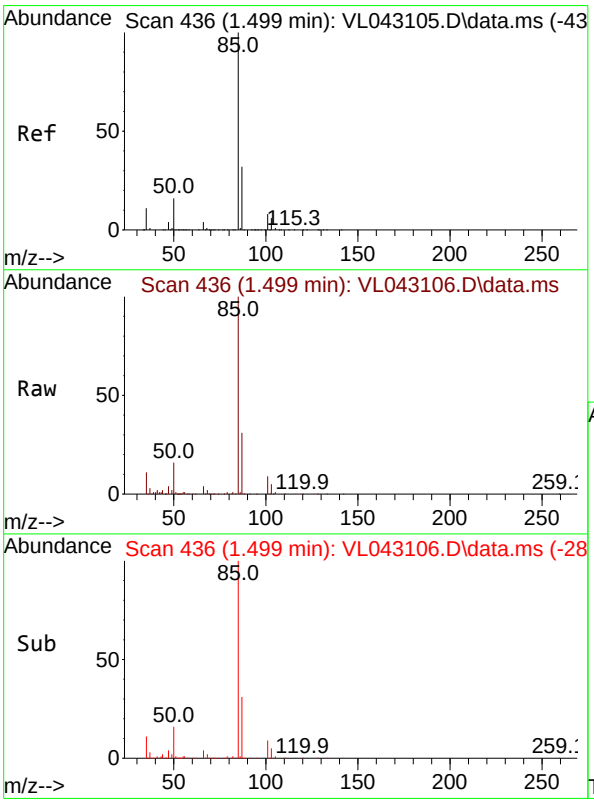
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 8
Delta R.T. 0.001 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 105309

Ion	Ratio	Lower	Upper
49	100		
128	48.8	24.4	73.4
130	62.8	31.0	93.0

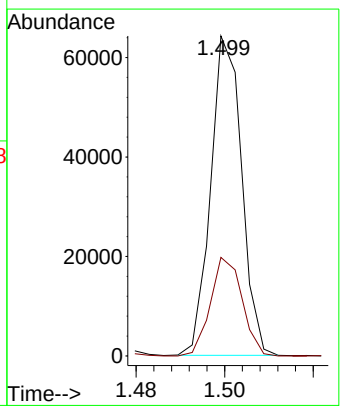


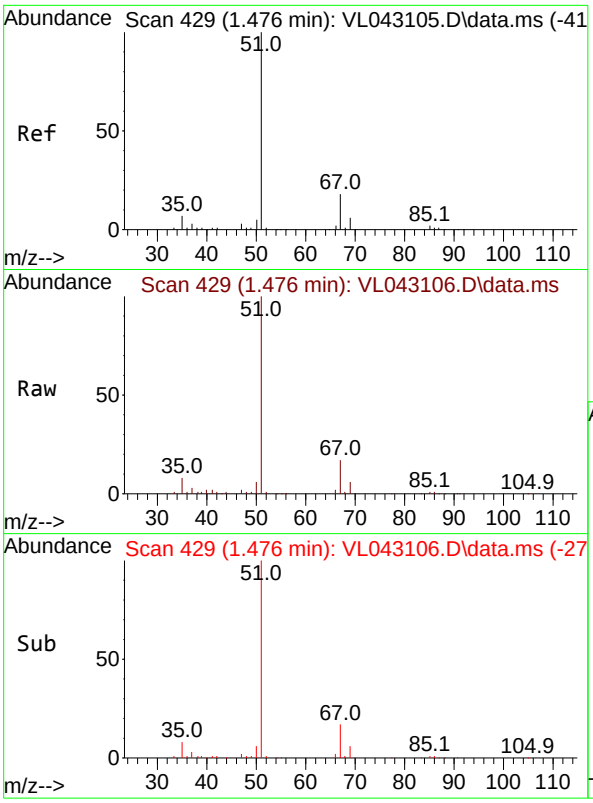


#2
Dichlorodifluoromethane
Concen: 2.083 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 85 Resp: 31189

Ion	Ratio	Lower	Upper
85	100		
87	30.9	25.3	37.9



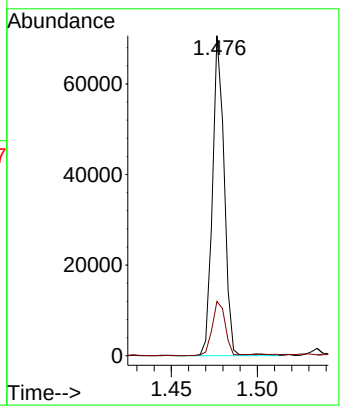


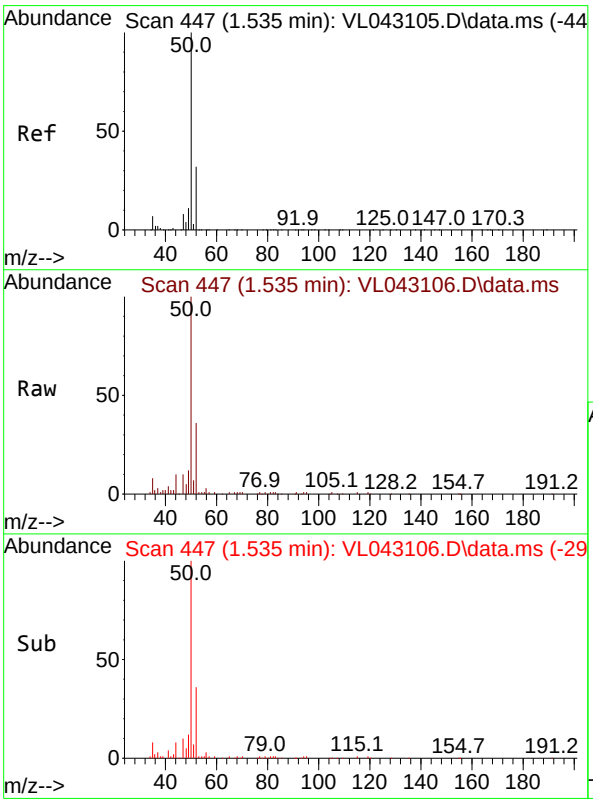
#3
Chlorodifluoromethane
Concen: 2.050 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 33217

Ion	Ratio	Lower	Upper
51	100		
67	20.6	15.1	22.7

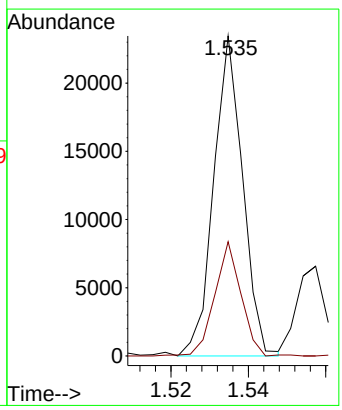


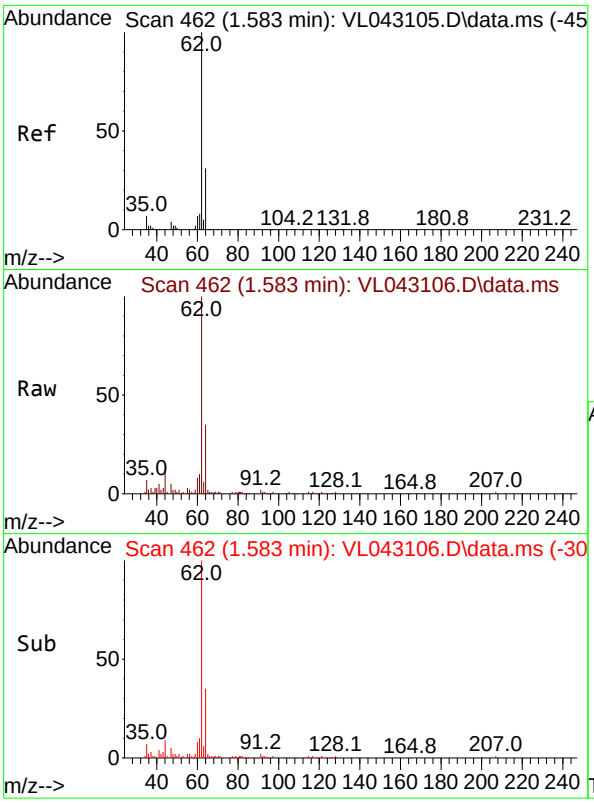


#4
Chloromethane
Concen: 2.054 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 50 Resp: 12185

Ion	Ratio	Lower	Upper
50	100		
52	35.4	25.2	37.8



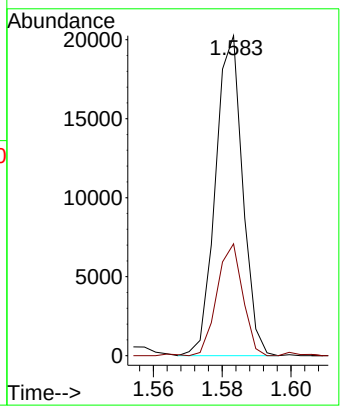


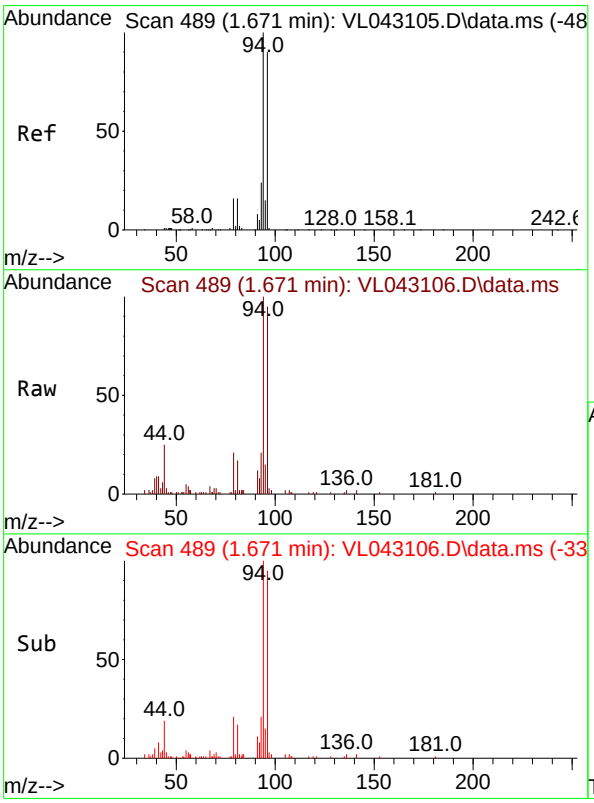
#5
Vinyl Chloride
Concen: 1.911 ppbv
RT: 1.583 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 11114

Ion	Ratio	Lower	Upper
62	100		
64	35.0	24.6	36.8

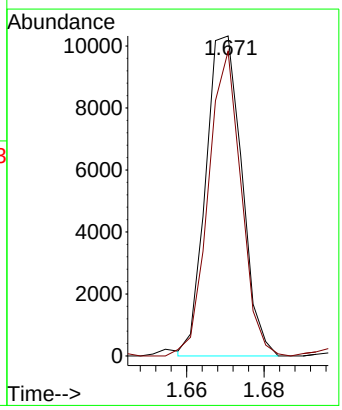


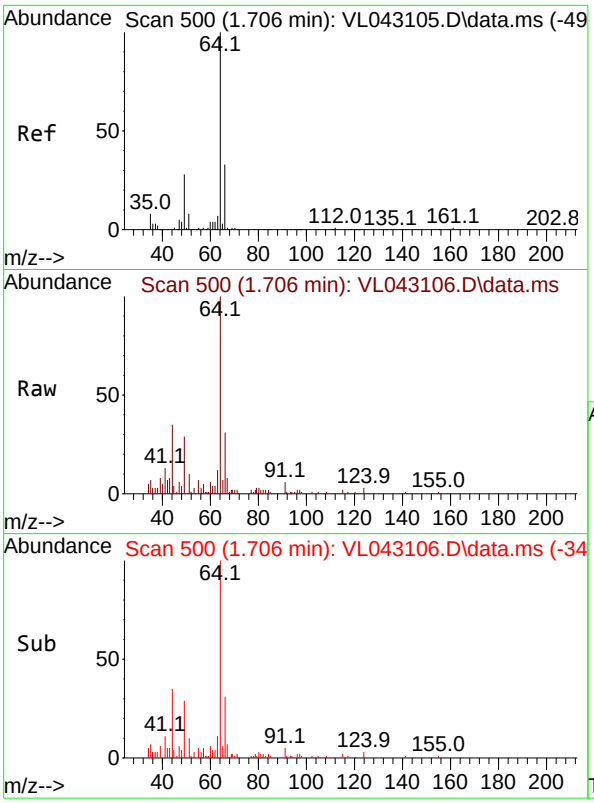


#6
Bromomethane
Concen: 2.092 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 94 Resp: 6672

Ion	Ratio	Lower	Upper
94	100		
96	94.6	72.2	108.4



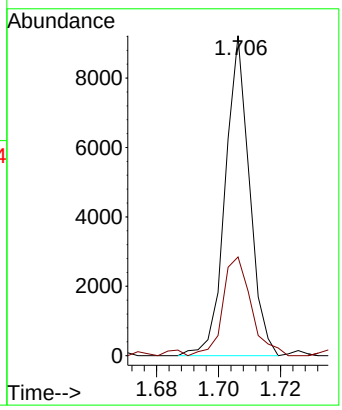


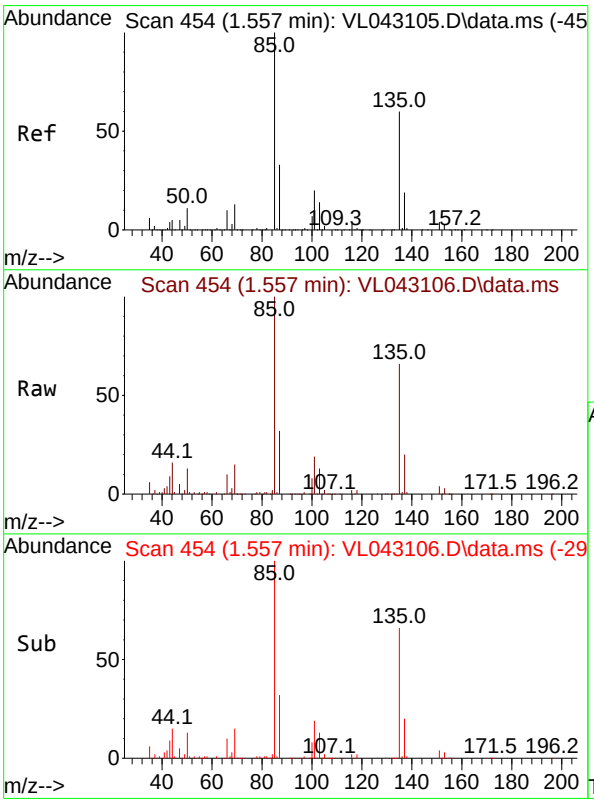
#7
Chloroethane
Concen: 2.106 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 5008

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.0	39.0

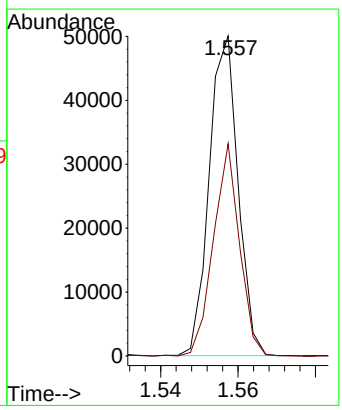


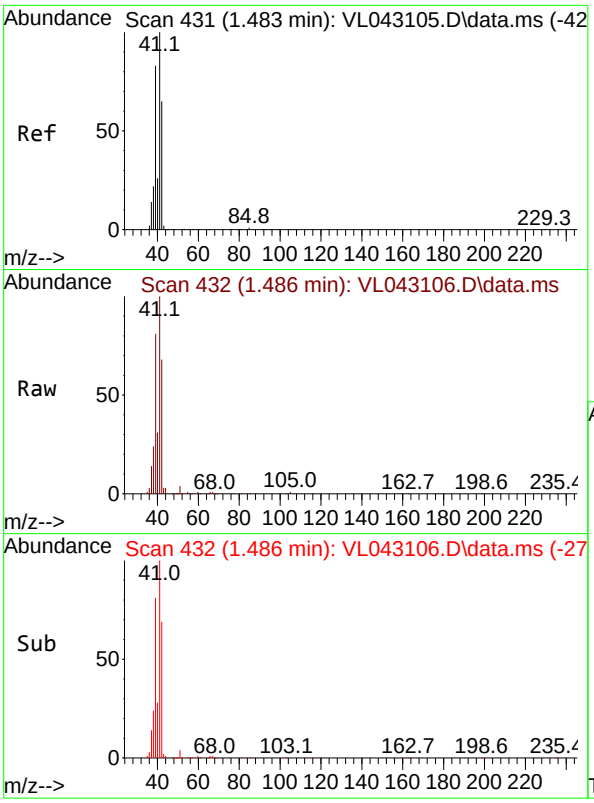


#8
Dichlorotetrafluoroethane
Concen: 2.140 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 85 Resp: 25897

Ion	Ratio	Lower	Upper
85	100		
135	60.1	48.2	72.4



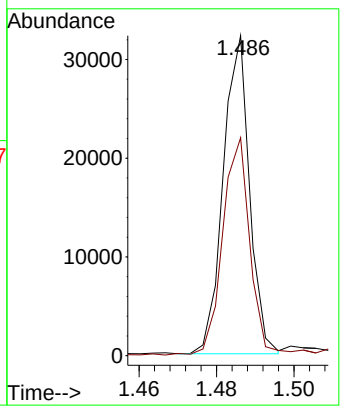


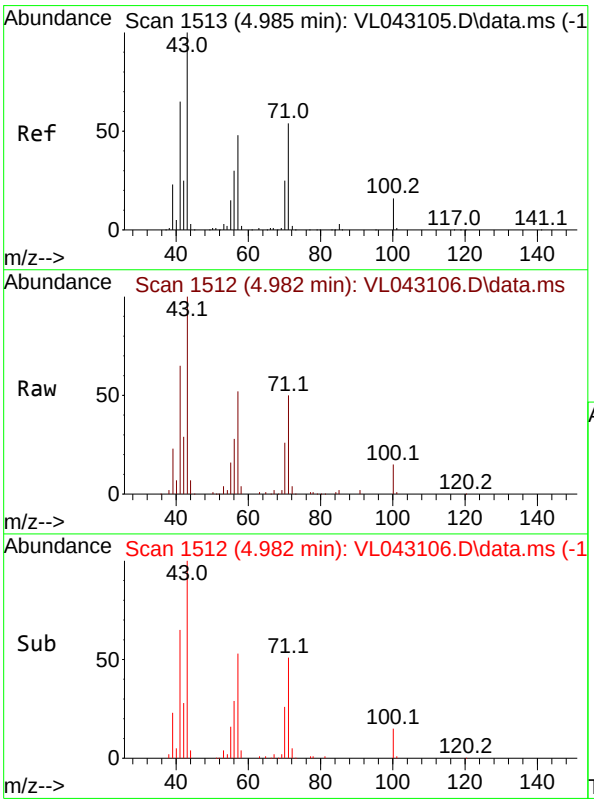
#9
Propene
Concen: 2.112 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 15177

Ion	Ratio	Lower	Upper
41	100		
42	74.0	55.1	82.7

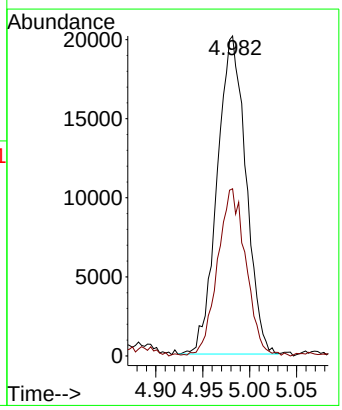


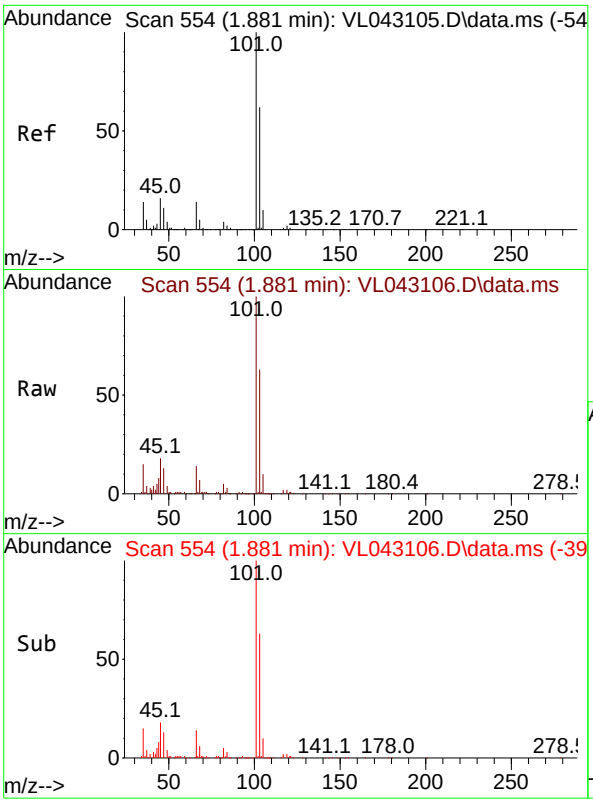


#10
Heptane
Concen: 2.078 ppbv
RT: 4.982 min Scan# 1512
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 43 Resp: 42790

Ion	Ratio	Lower	Upper
43	100		
57	52.8	40.8	61.2



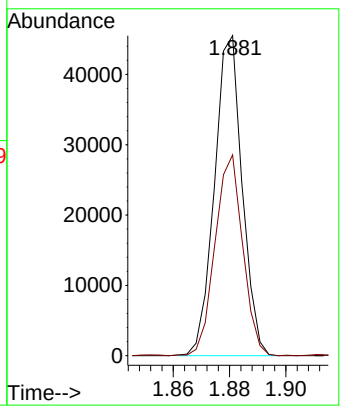


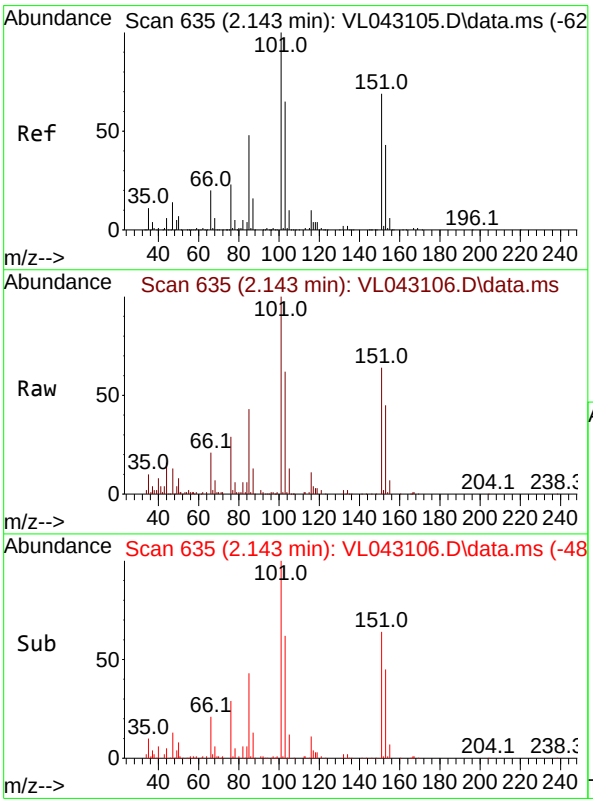
#11
Trichlorofluoromethane
Concen: 2.125 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 31114

Ion	Ratio	Lower	Upper
101	100		
103	62.8	49.3	73.9

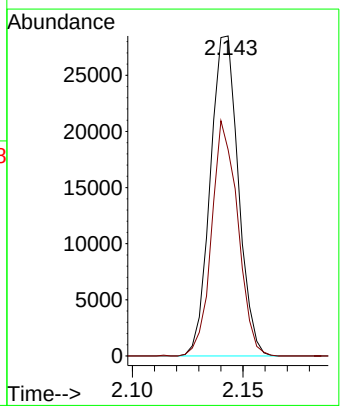


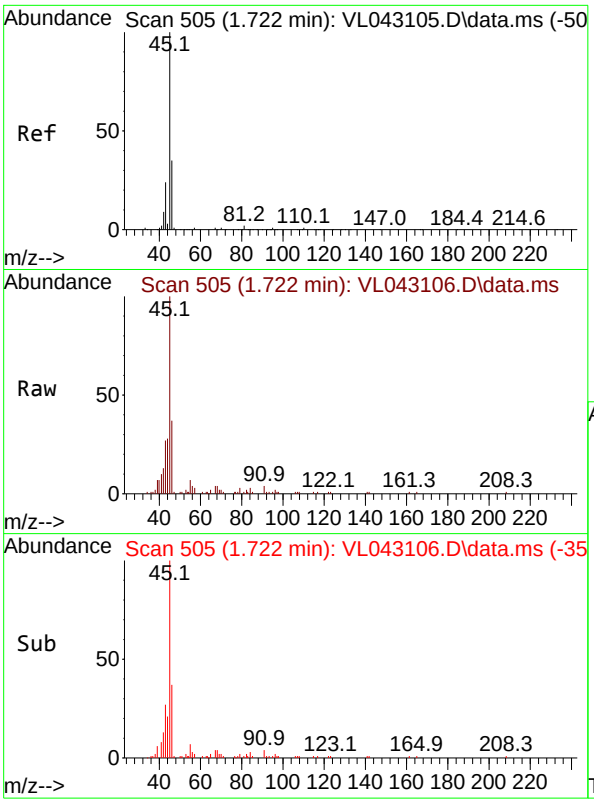


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.128 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:101 Resp: 25091

Ion	Ratio	Lower	Upper
101	100		
151	68.5	54.7	82.1



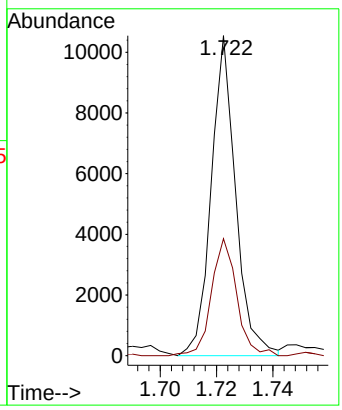


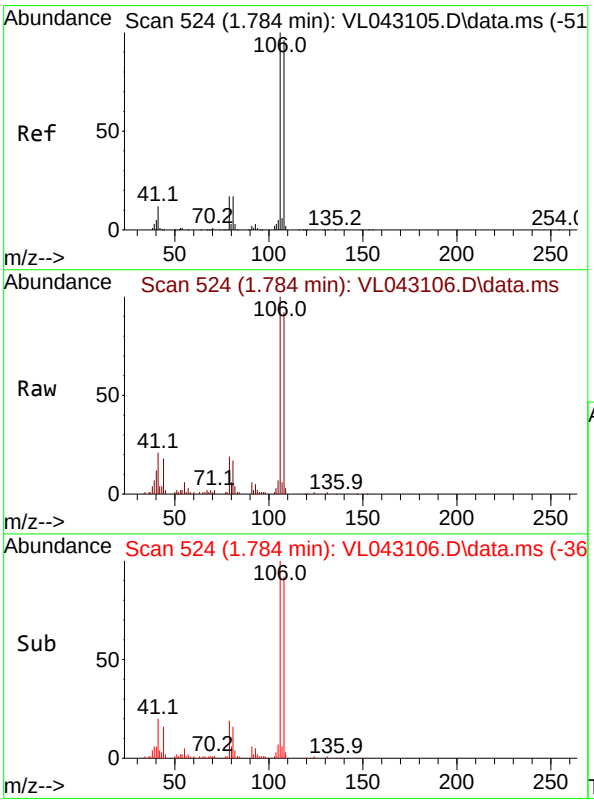
#13
Ethanol
Concen: 2.394 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 6363

Ion	Ratio	Lower	Upper
45	100		
46	39.6	14.7	58.9

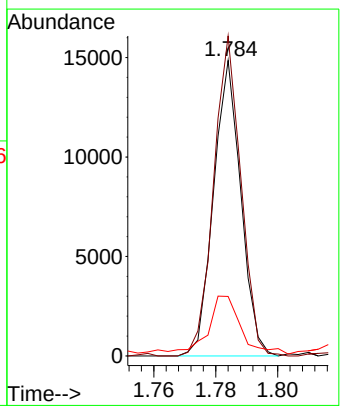


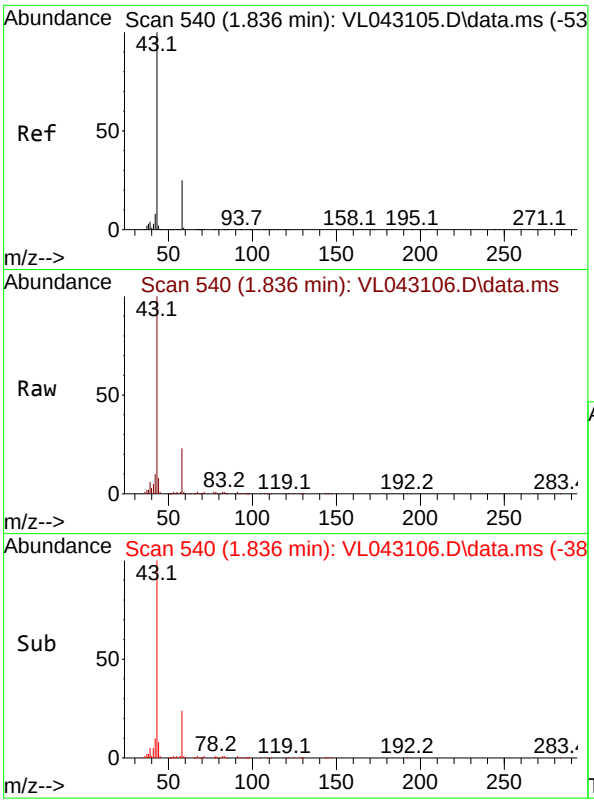


#14
Bromoethene
Concen: 2.075 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:108 Resp: 9087

Ion	Ratio	Lower	Upper
108	100		
106	109.1	84.4	126.6
79	19.1	15.3	22.9



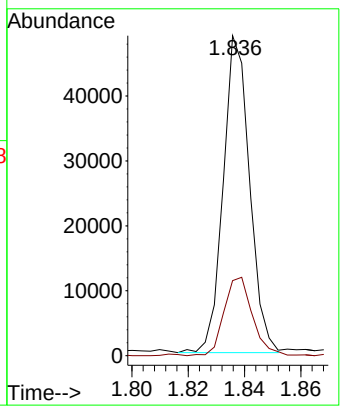


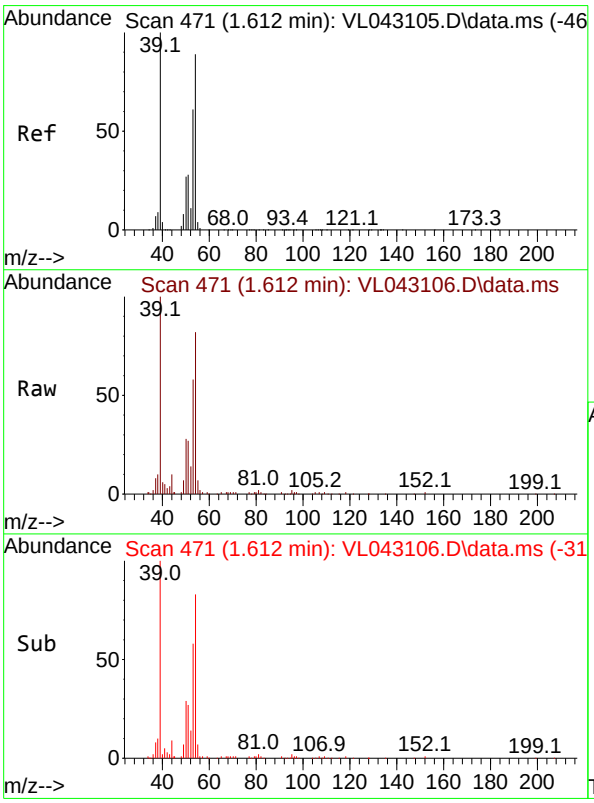
#15
Acetone
Concen: 2.225 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 31756

Ion	Ratio	Lower	Upper
43	100		
58	27.3	20.8	31.2

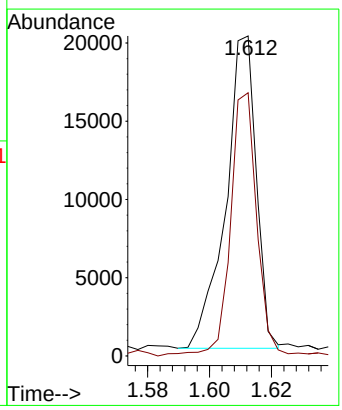


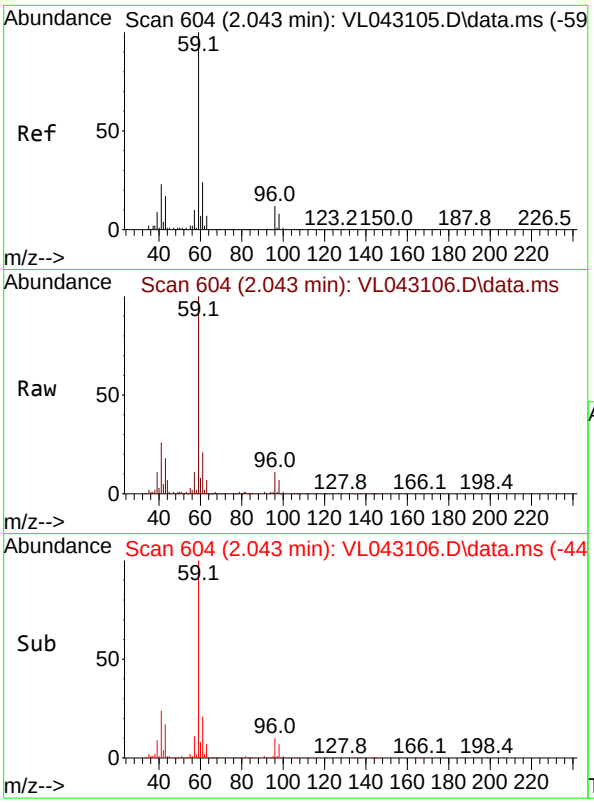


#16
1,3-Butadiene
Concen: 2.021 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 39 Resp: 13668

Ion	Ratio	Lower	Upper
39	100		
54	74.3	59.0	88.4



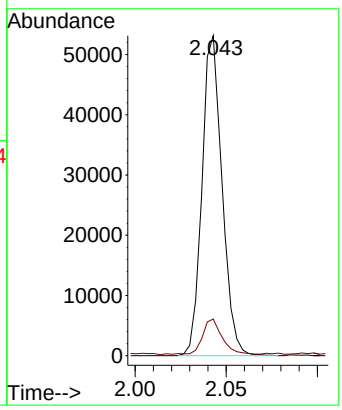


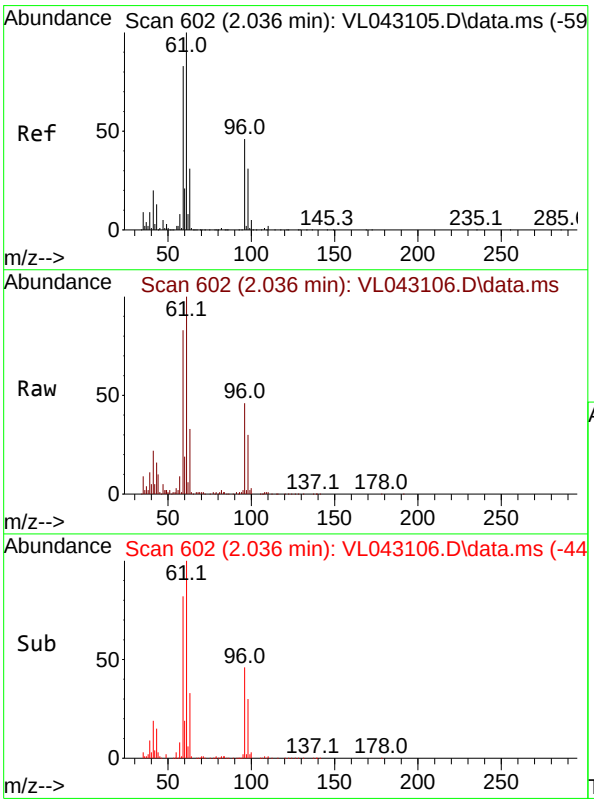
#17
tert-Butyl alcohol
Concen: 2.091 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 40738

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.2	12.4

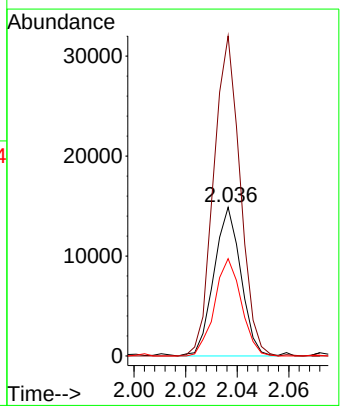


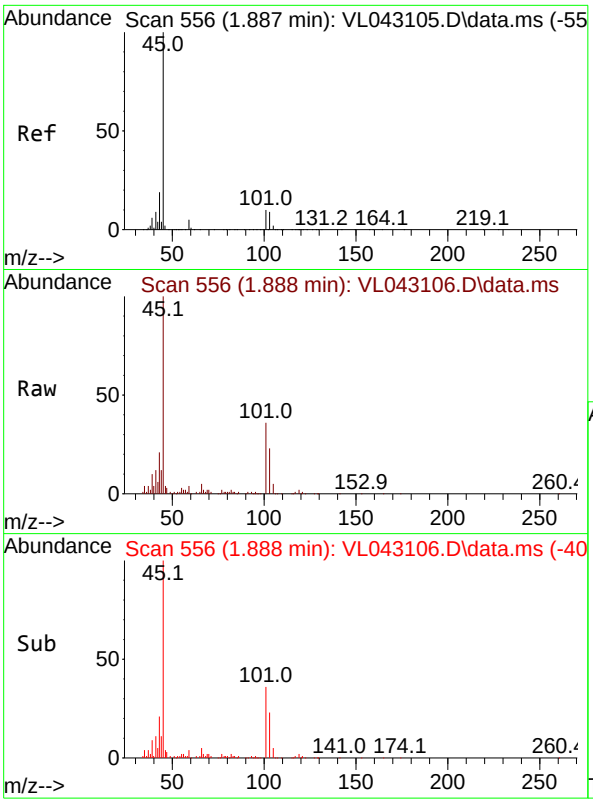


#18
1,1-Dichloroethene
Concen: 2.100 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 96 Resp: 10794

Ion	Ratio	Lower	Upper
96	100		
61	215.2	173.4	260.0
98	65.4	53.2	79.8



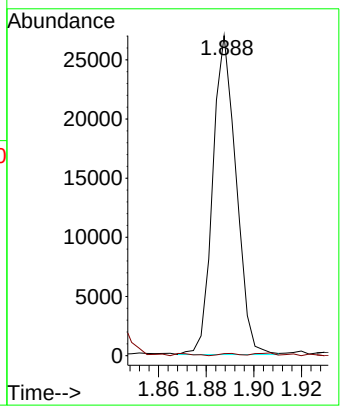


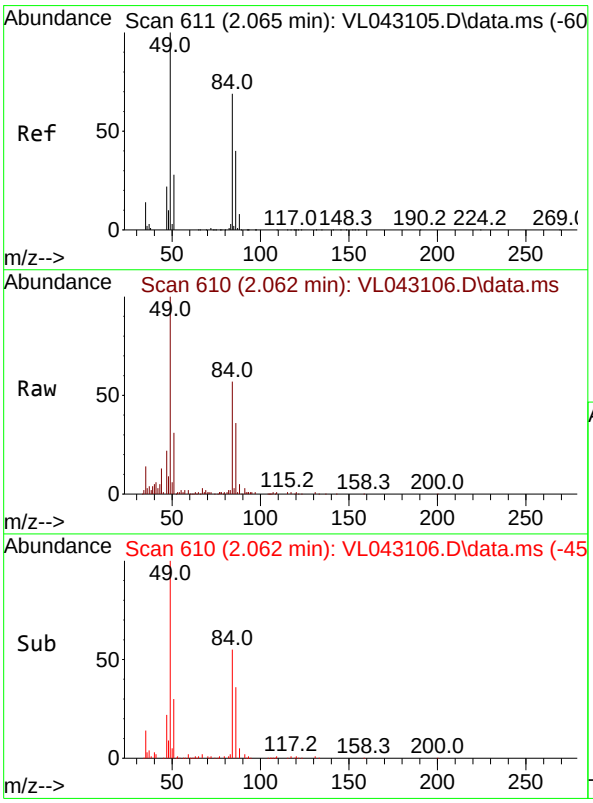
#19
Isopropyl Alcohol
Concen: 2.073 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 18326

Ion	Ratio	Lower	Upper
45	100		
58	2.3	31.3	46.9#

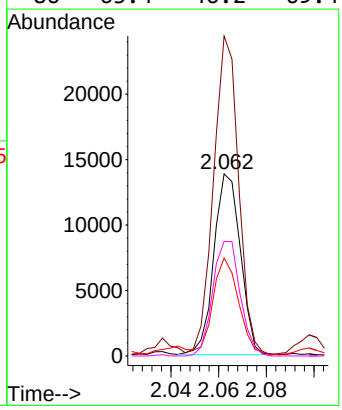


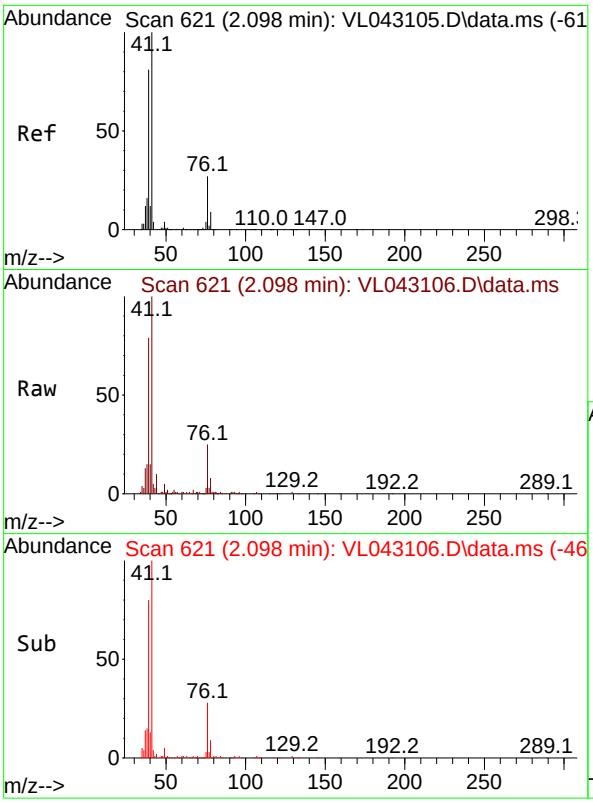


#20
Methylene Chloride
Concen: 1.906 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 84 Resp: 10694

Ion	Ratio	Lower	Upper
84	100		
49	175.6	116.6	175.0#
51	53.2	34.8	52.2#
86	63.4	46.2	69.4



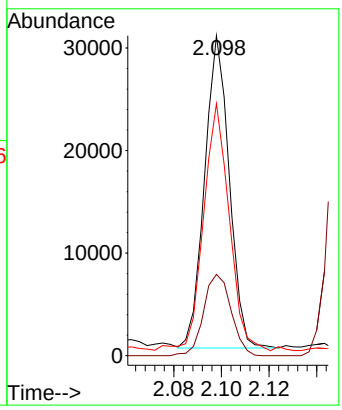


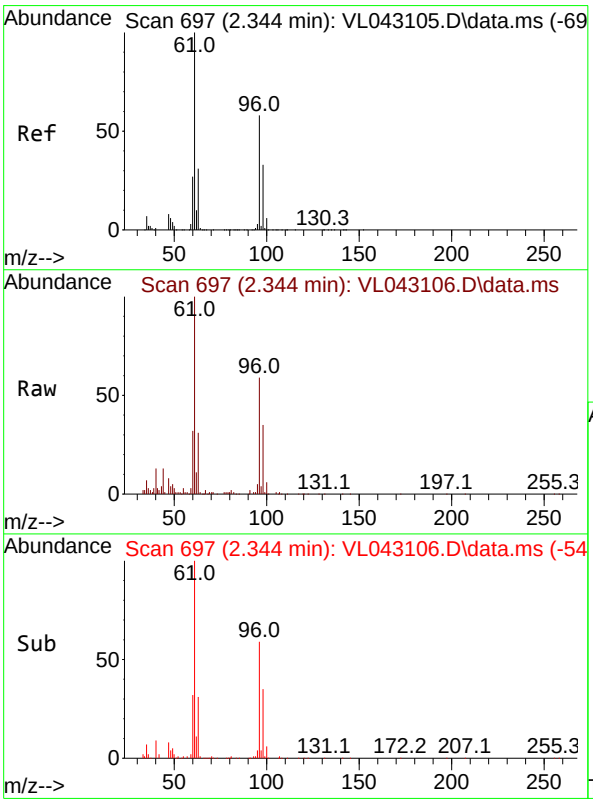
#21
Allyl Chloride
Concen: 2.090 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 21902

Ion	Ratio	Lower	Upper
41	100		
76	28.9	21.5	32.3
39	83.1	60.8	91.2

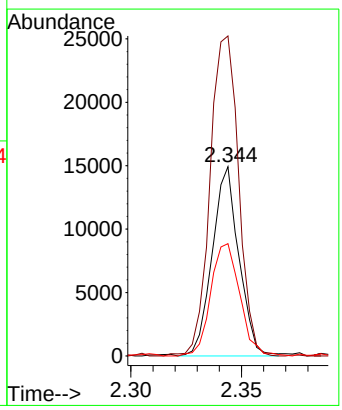


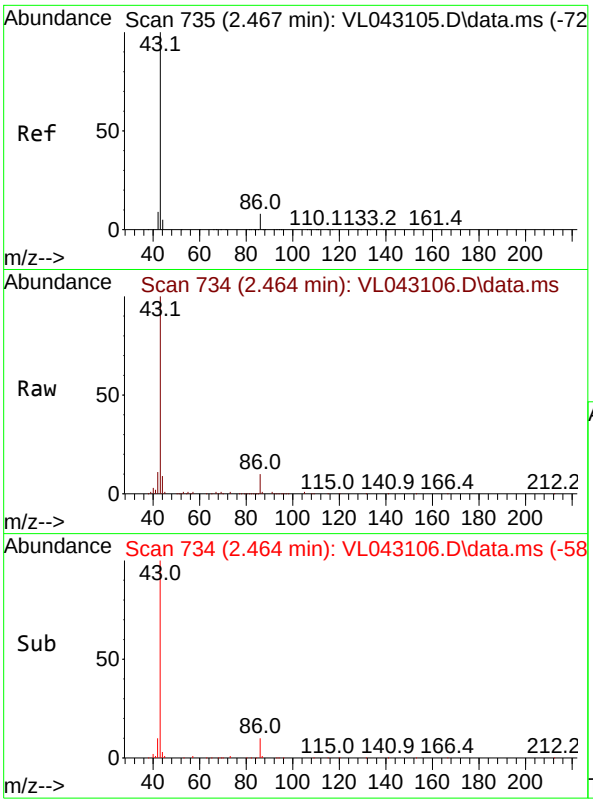


#22
trans-1,2-Dichloroethene
Concen: 2.036 ppbv
RT: 2.344 min Scan# 697
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 96 Resp: 12511

Ion	Ratio	Lower	Upper
96	100		
61	169.0	137.0	205.6
98	59.3	45.5	68.3



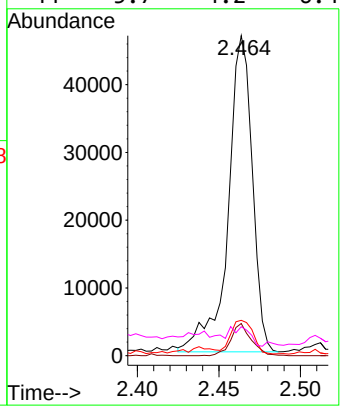


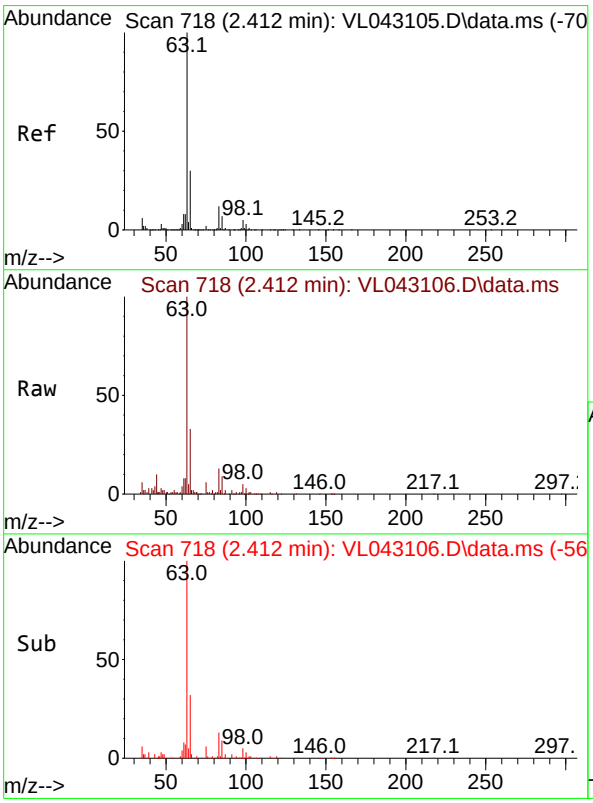
#23
Vinyl Acetate
Concen: 2.322 ppbv
RT: 2.464 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 48282

Ion	Ratio	Lower	Upper
43	100		
86	10.1	6.2	9.2#
42	10.6	7.6	11.4
44	5.7	4.2	6.4

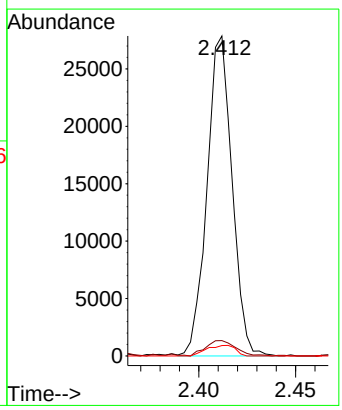


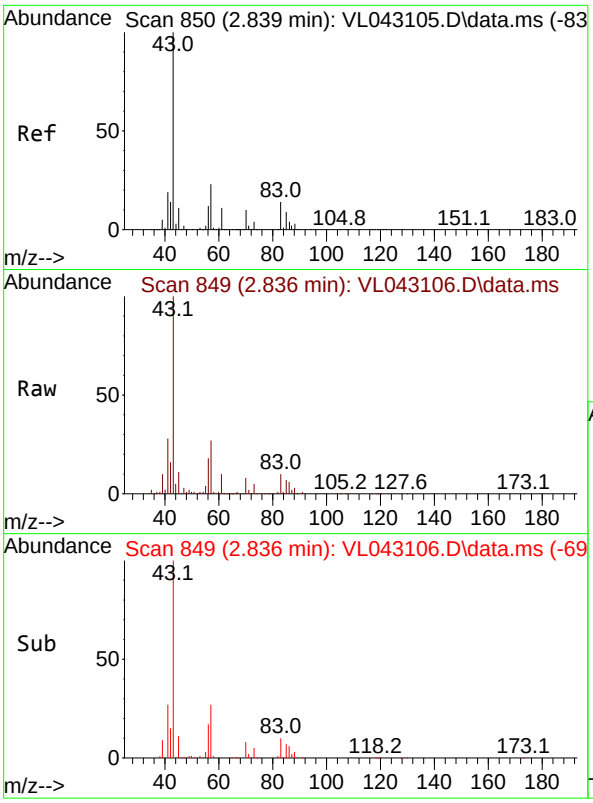


#24
1,1-Dichloroethane
Concen: 2.112 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 63 Resp: 25066

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	3.2	1.5	4.4



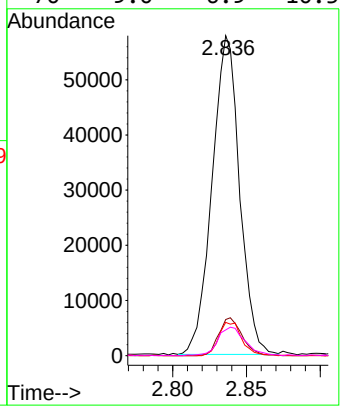


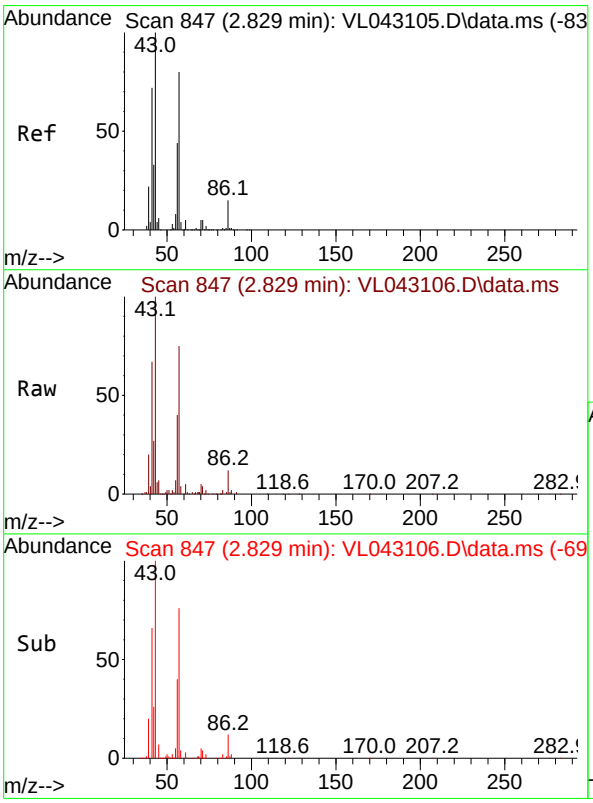
#25
Ethyl Acetate
Concen: 2.129 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 74929

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.8
61	8.9	7.0	10.6
70	9.0	6.9	10.3

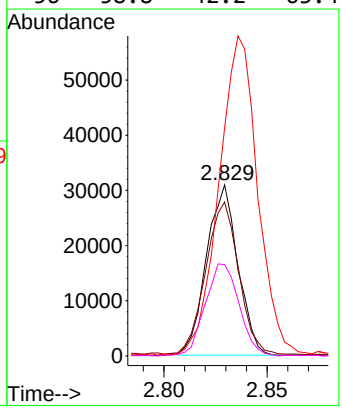


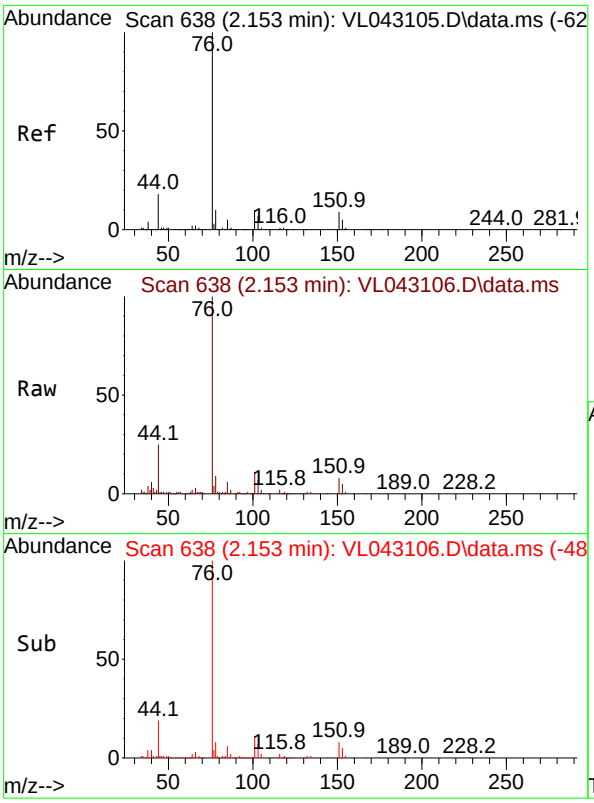


#26
Hexane
Concen: 2.010 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 57 Resp: 32595

Ion	Ratio	Lower	Upper
57	100		
41	96.4	71.4	107.0
43	233.0	178.5	267.7
56	58.8	42.2	63.4



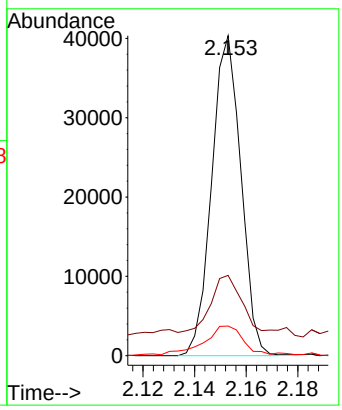


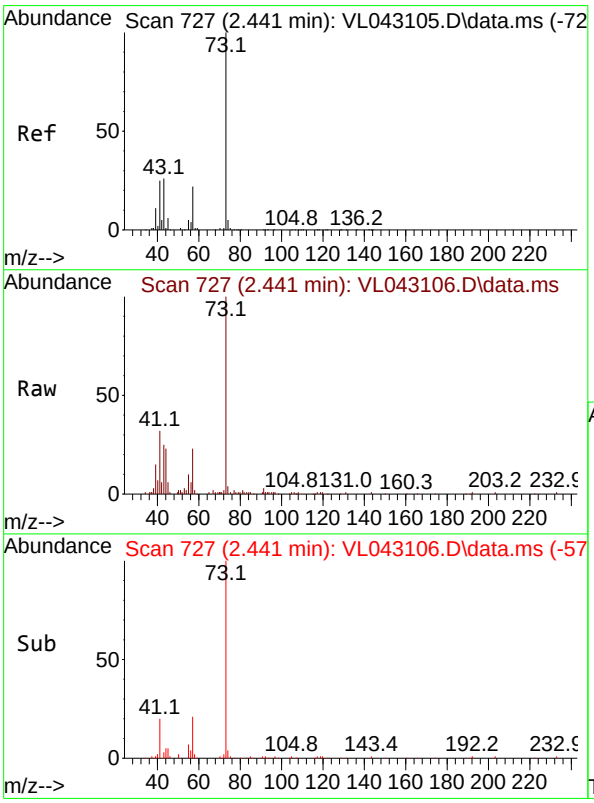
#27
Carbon Disulfide
Concen: 2.134 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 31705

Ion	Ratio	Lower	Upper
76	100		
44	23.1	16.7	25.1
78	13.6	9.3	13.9

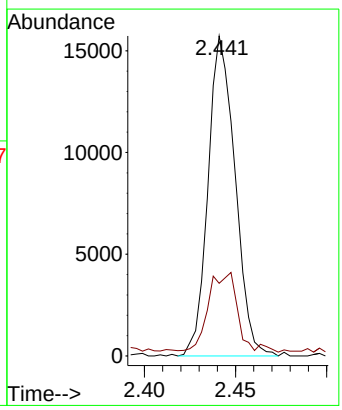


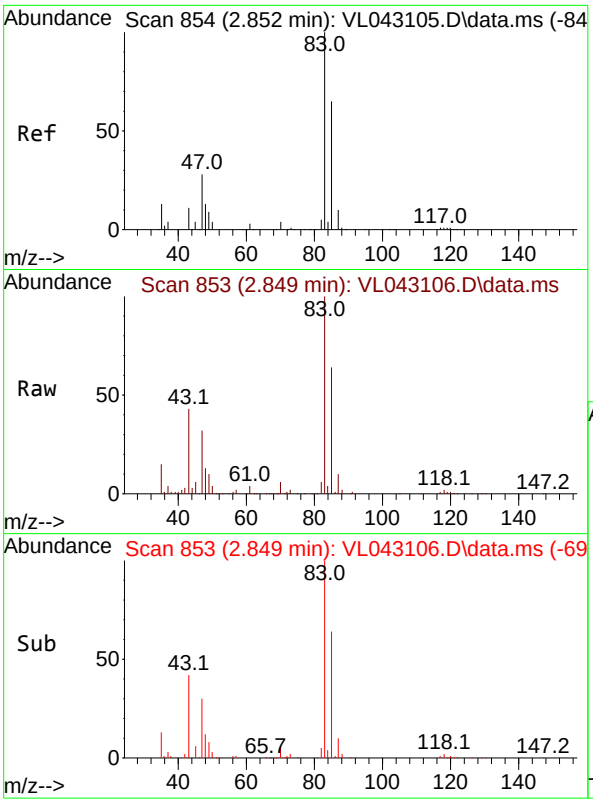


#28
Methyl tert-Butyl Ether
Concen: 2.196 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 73 Resp: 16207

Ion	Ratio	Lower	Upper
73	100		
57	26.6	20.5	30.7



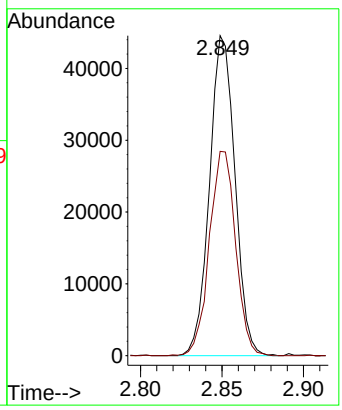


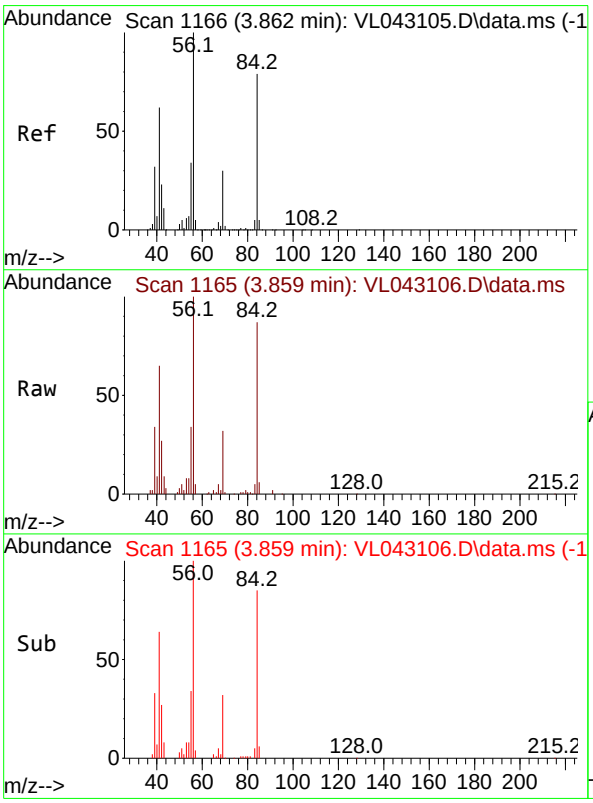
#29
Chloroform
Concen: 2.058 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 48367

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6

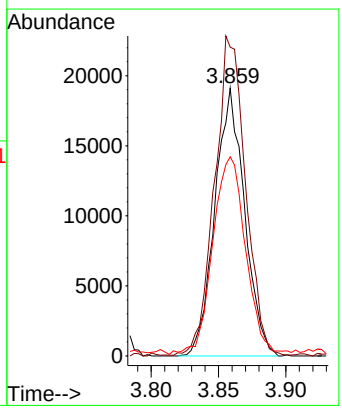


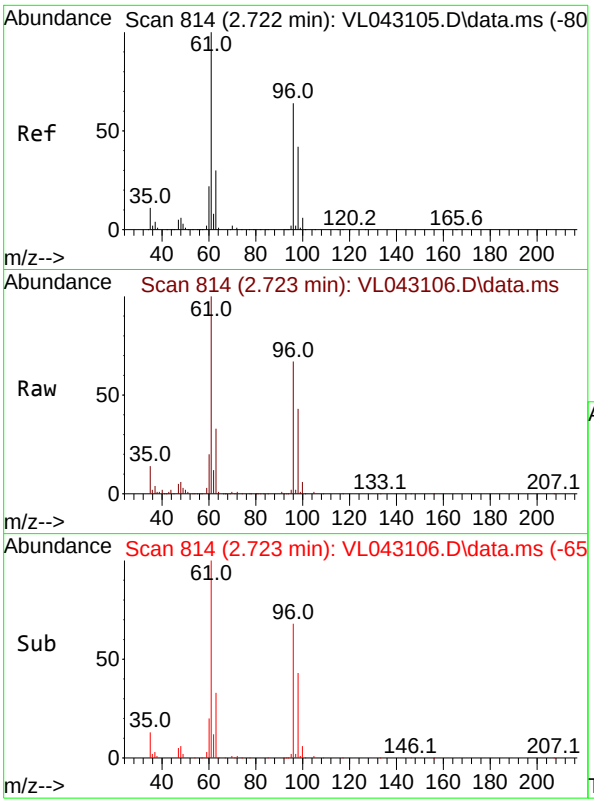


#30
Cyclohexane
Concen: 2.069 ppbv
RT: 3.859 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 84 Resp: 29270

Ion	Ratio	Lower	Upper
84	100		
56	125.6	100.9	151.3
41	79.0	63.8	95.6



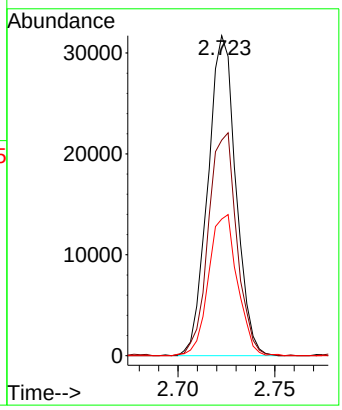


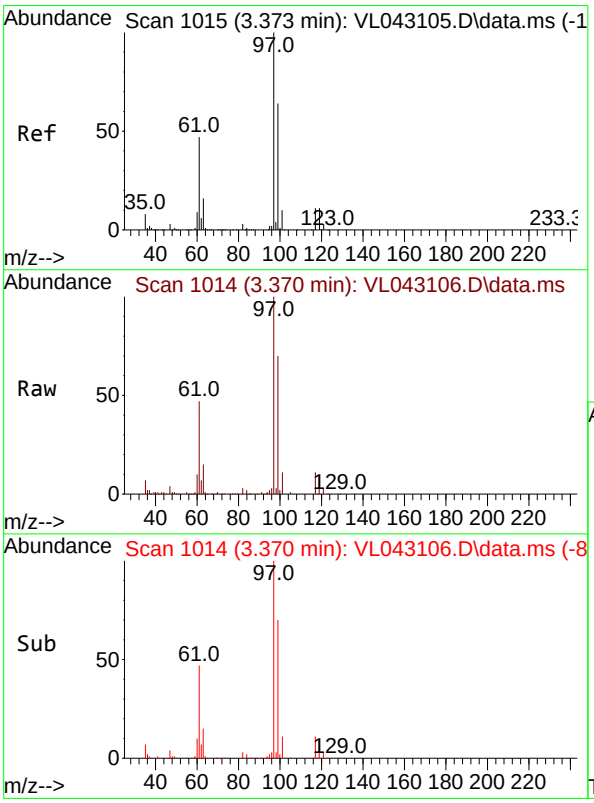
#31
cis-1,2-Dichloroethene
Concen: 2.061 ppbv
RT: 2.723 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 31925

Ion	Ratio	Lower	Upper
61	100		
96	67.3	51.0	76.6
98	42.3	33.5	50.3

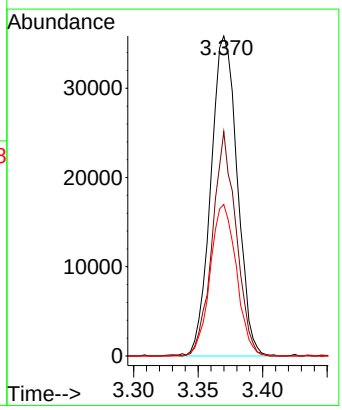


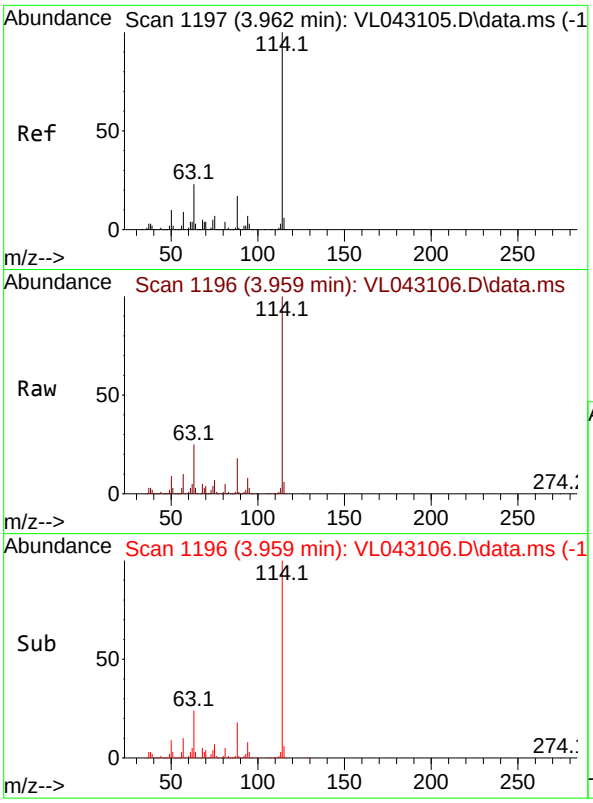


#32
1,1,1-Trichloroethane
Concen: 2.086 ppbv
RT: 3.370 min Scan# 1014
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 97 Resp: 51049

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.3	76.9
61	46.9	38.4	57.6



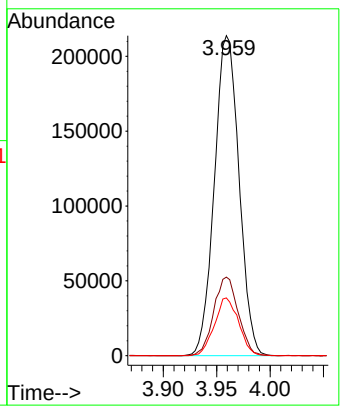


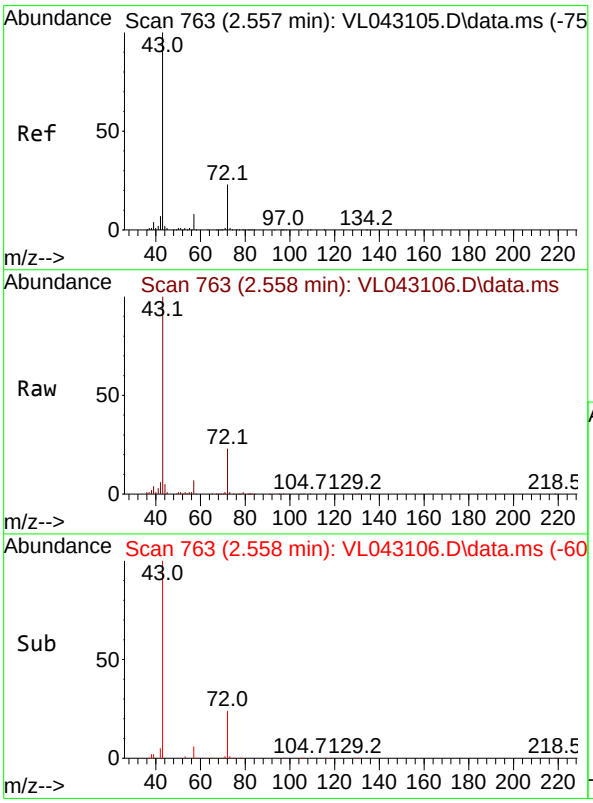
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 342939

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.3	28.9
88	17.8	13.9	20.9

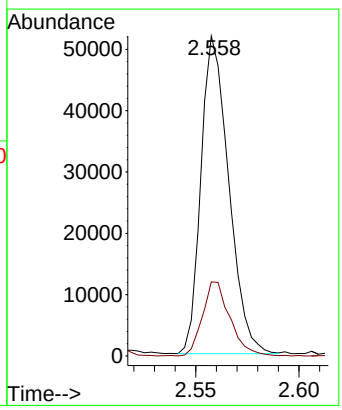


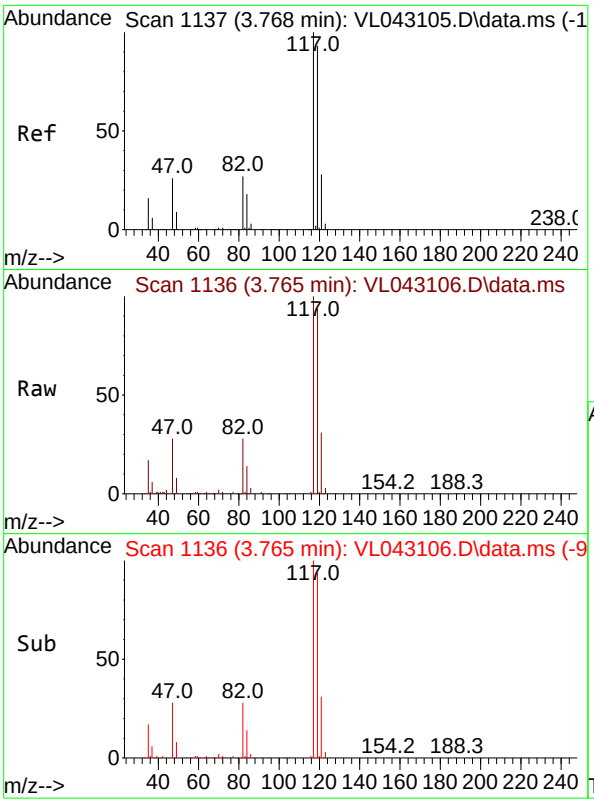


#34
2-Butanone
Concen: 2.090 ppbv
RT: 2.558 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 43 Resp: 48458

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6



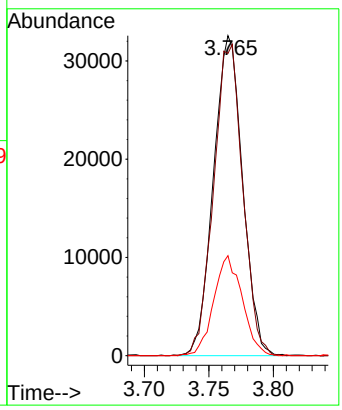


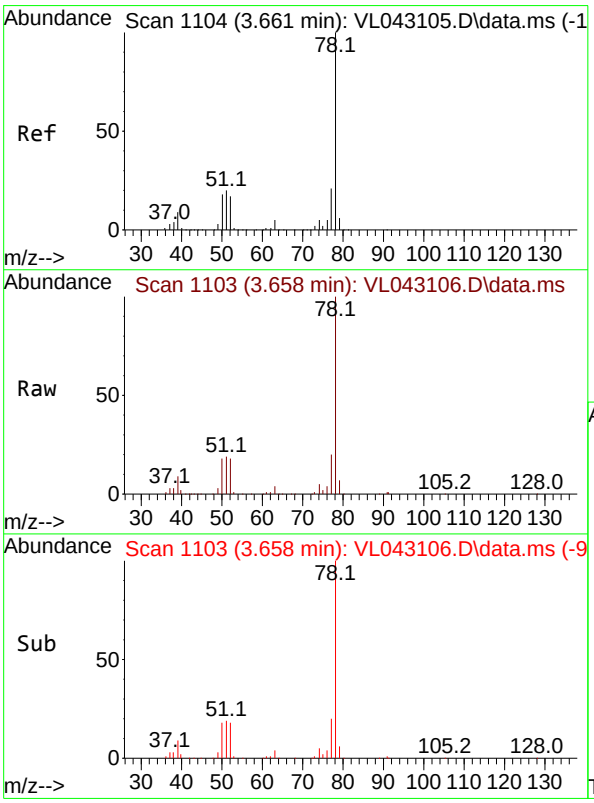
#35
Carbon Tetrachloride
Concen: 2.071 ppbv
RT: 3.765 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 51073

Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.1	111.1
121	31.3	22.2	33.2

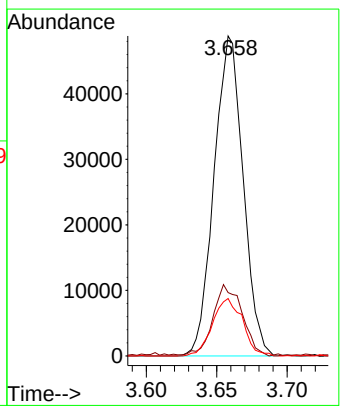


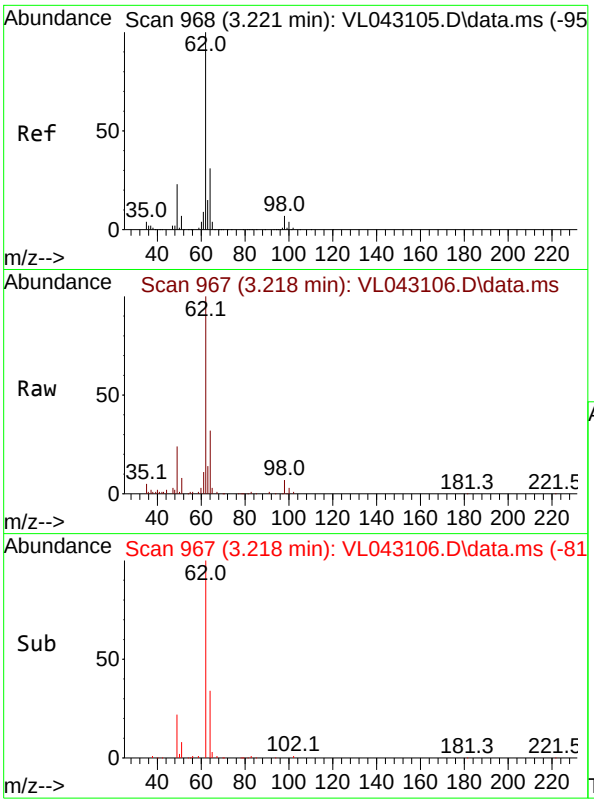


#36
Benzene
Concen: 2.172 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 78 Resp: 70156

Ion	Ratio	Lower	Upper
78	100		
77	19.5	17.0	25.6
50	18.0	14.6	22.0



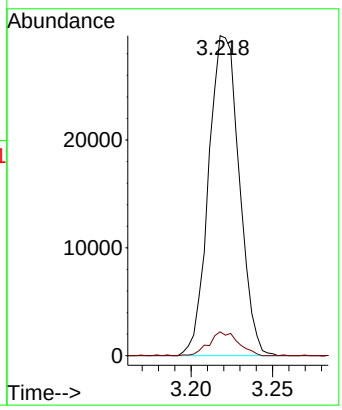


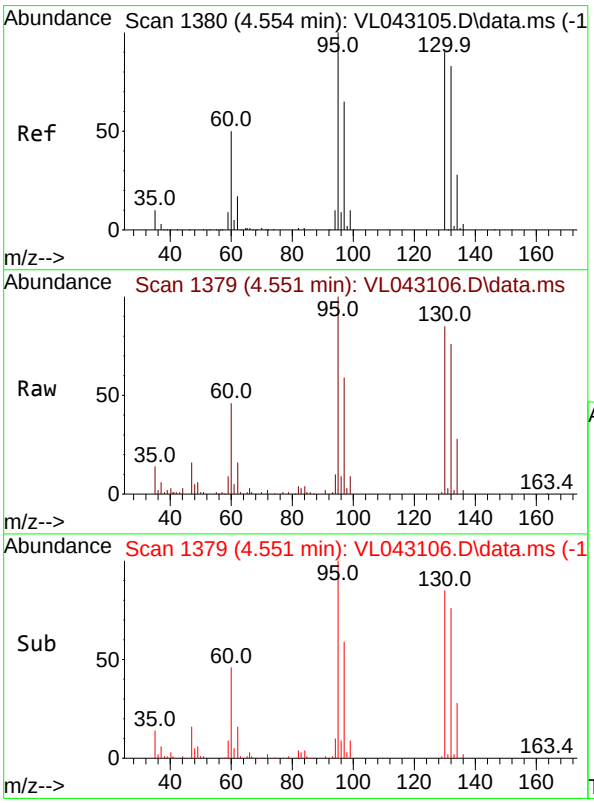
#37
1,2-Dichloroethane
Concen: 2.083 ppbv
RT: 3.218 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 38767

Ion	Ratio	Lower	Upper
62	100		
98	7.3	5.8	8.6

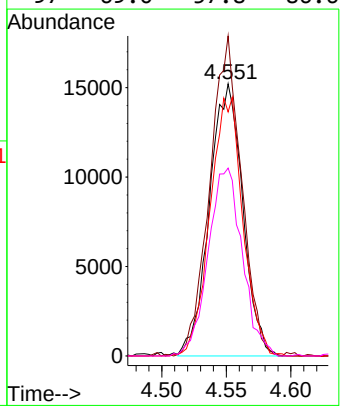


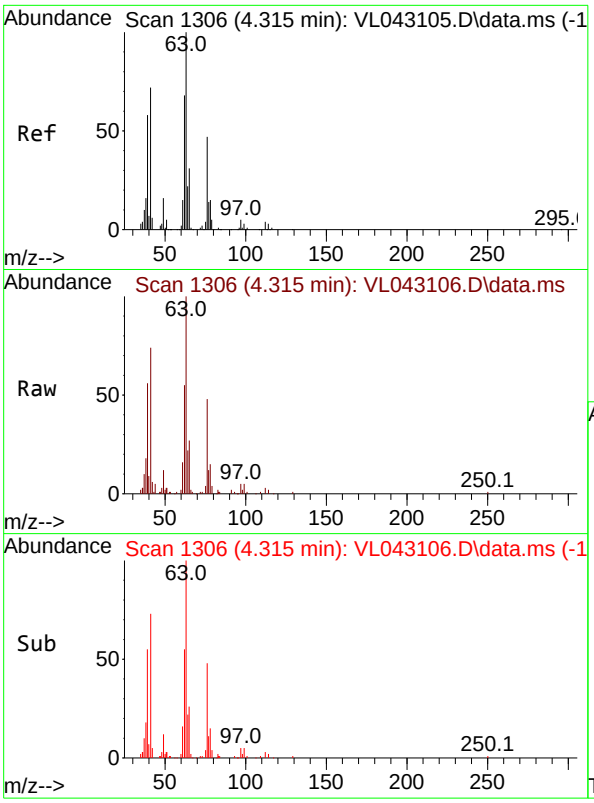


#38
Trichloroethene
Concen: 2.024 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:130 Resp: 27272

Ion	Ratio	Lower	Upper
130	100		
95	117.1	88.6	133.0
132	89.0	73.4	110.0
97	69.0	57.8	86.6



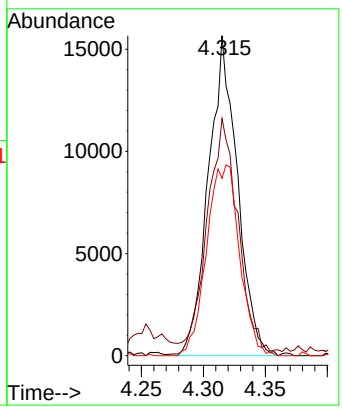


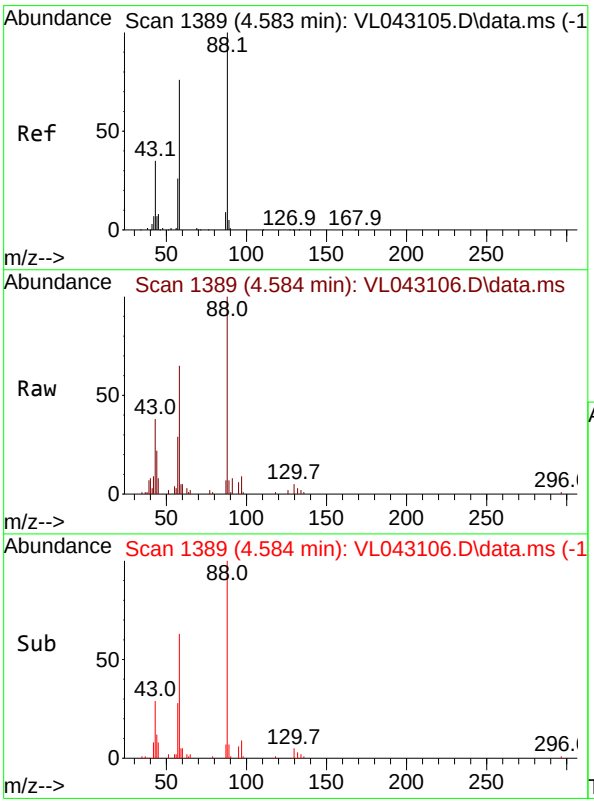
#39
1,2-Dichloropropane
Concen: 2.151 ppbv
RT: 4.315 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 25427

Ion	Ratio	Lower	Upper
63	100		
41	72.3	58.0	87.0
62	55.5	54.7	82.1

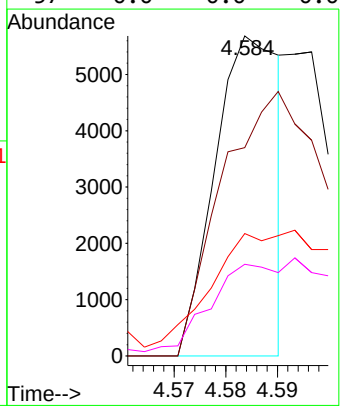


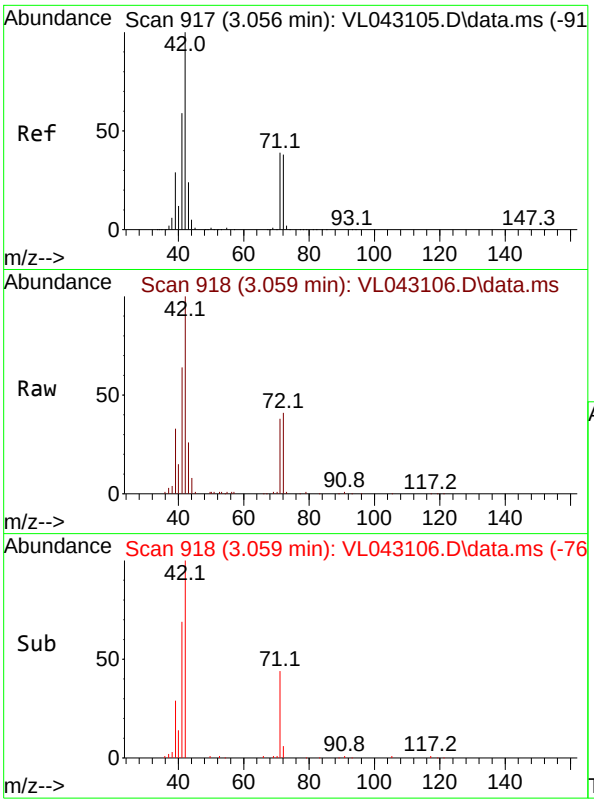


#40
1,4-Dioxane
Concen: 0.938 ppbv
RT: 4.584 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 88 Resp: 4954

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	0.0	24.0	36.0#
57	0.0	0.0	0.0



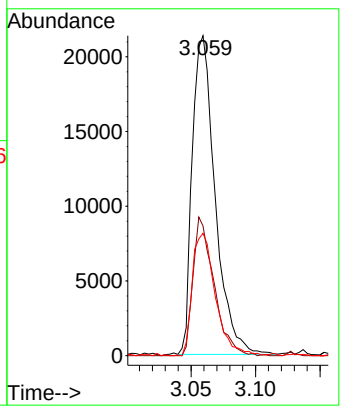


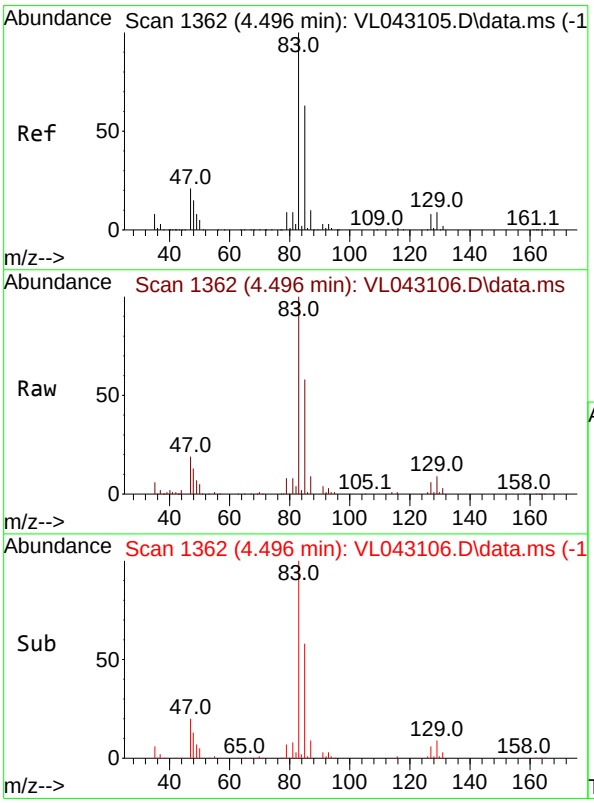
#41
Tetrahydrofuran
Concen: 2.037 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 26362

Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.3	46.9
71	39.4	30.4	45.6

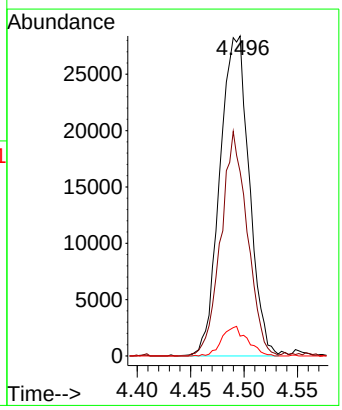


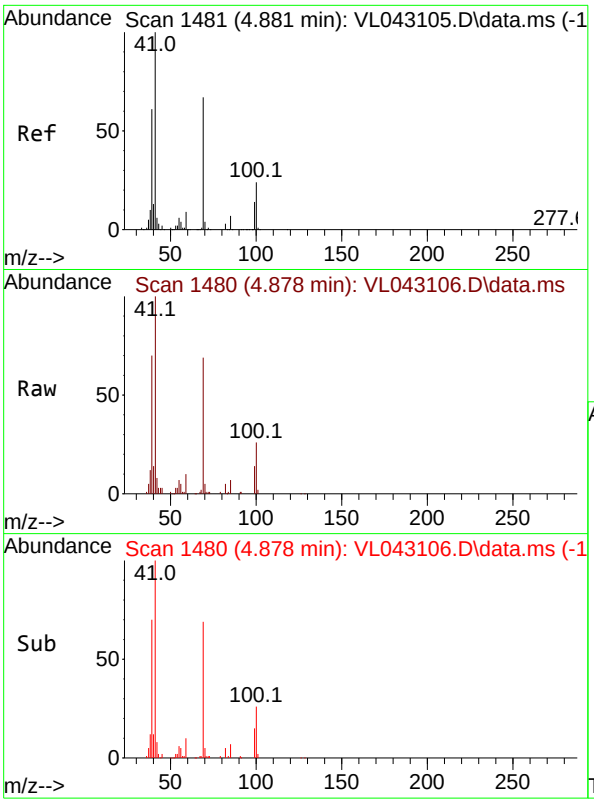


#42
Bromodichloromethane
Concen: 2.106 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 83 Resp: 54224

Ion	Ratio	Lower	Upper
83	100		
85	57.6	50.6	75.8
127	6.2	6.3	9.5#



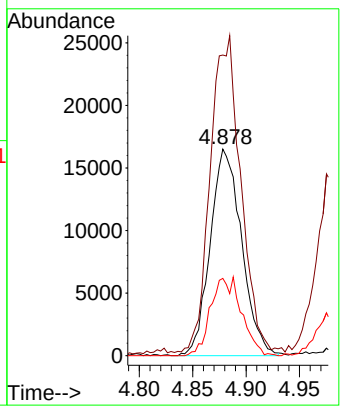


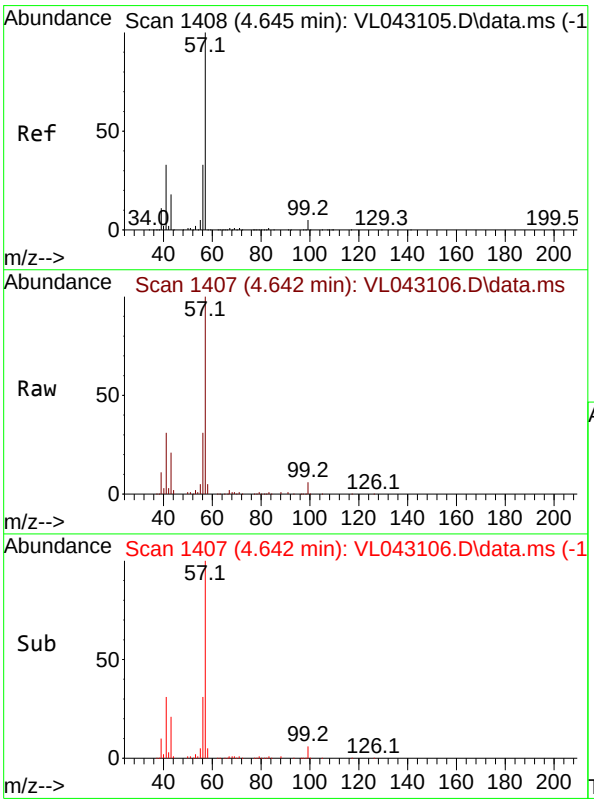
#43
Methyl Methacrylate
Concen: 2.051 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 33805

Ion	Ratio	Lower	Upper
69	100		
41	151.4	120.5	180.7
100	37.3	29.0	43.4

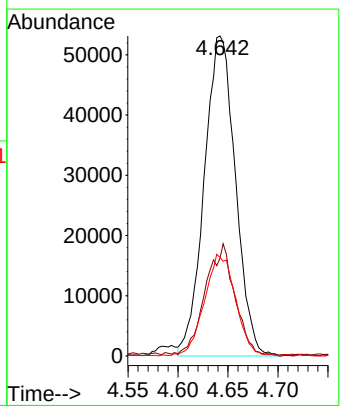


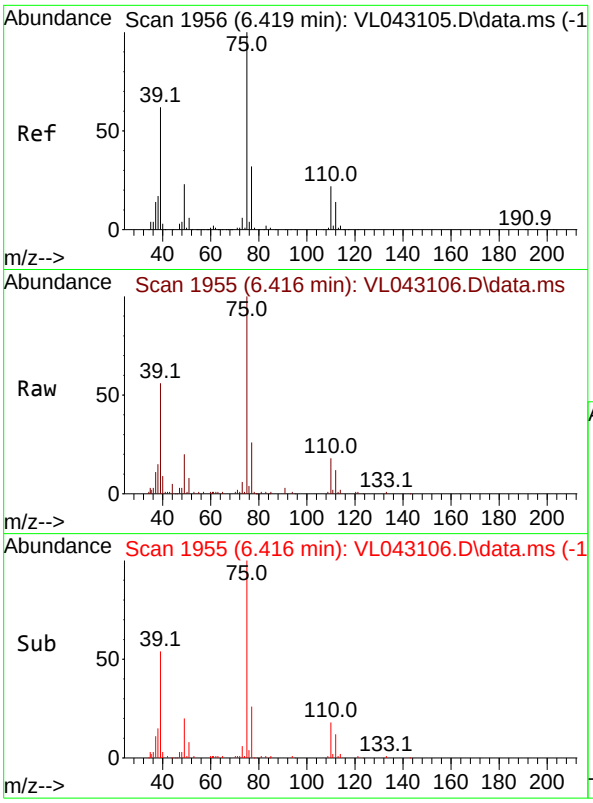


#44
2,2,4-Trimethylpentane
Concen: 2.137 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 57 Resp: 115417

Ion	Ratio	Lower	Upper
57	100		
41	34.0	26.3	39.5
56	31.9	25.9	38.9



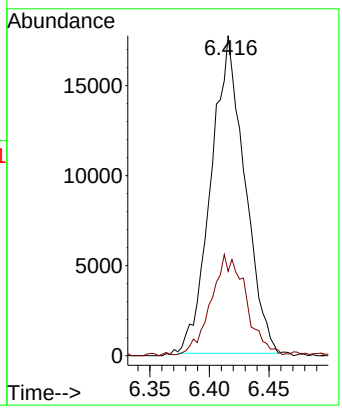


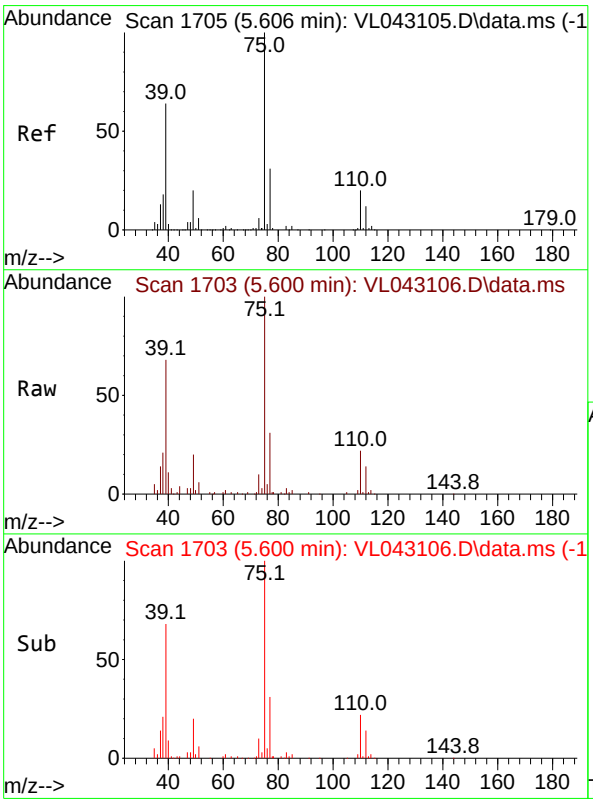
#45
t-1,3-Dichloropropene
Concen: 2.109 ppbv
RT: 6.416 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 34728

Ion	Ratio	Lower	Upper
75	100		
77	26.3	25.4	38.2

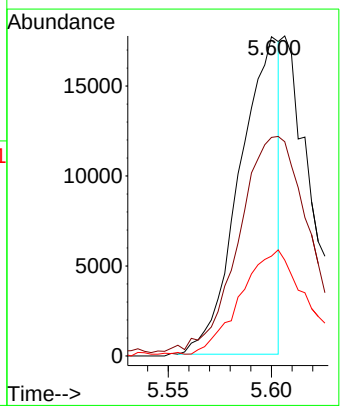


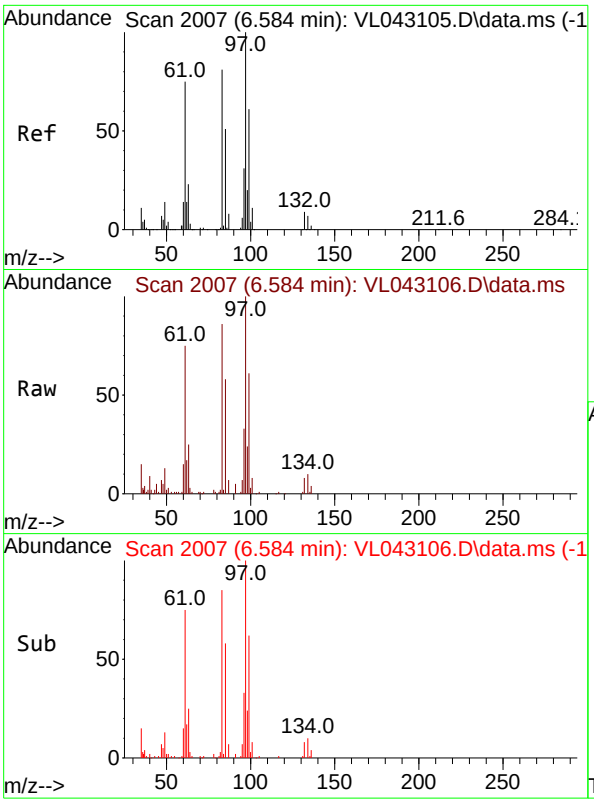


#46
cis-1,3-Dichloropropene
Concen: 1.202 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 75 Resp: 23612

Ion	Ratio	Lower	Upper
75	100		
39	65.4	51.0	76.6
77	30.3	25.0	37.4



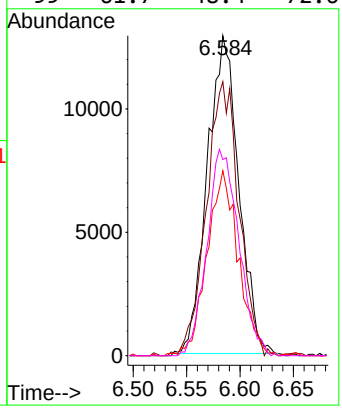


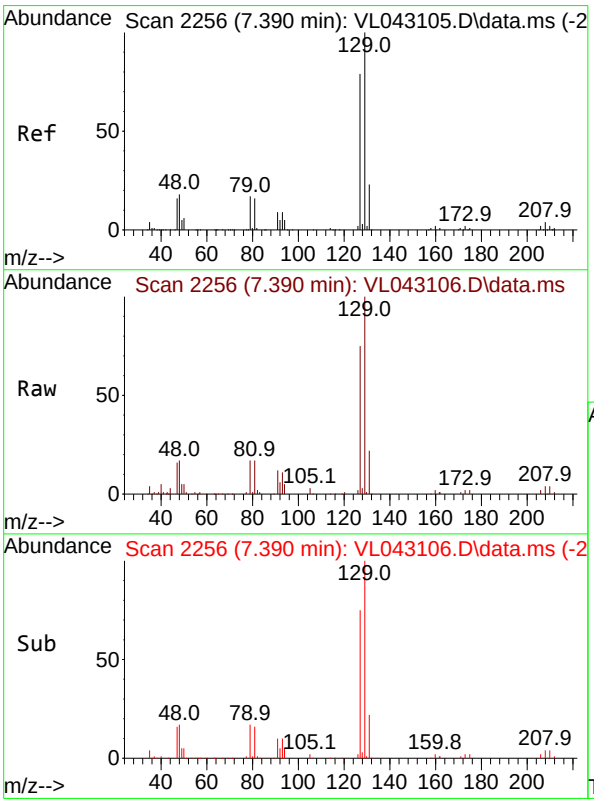
#47
1,1,2-Trichloroethane
Concen: 2.067 ppbv
RT: 6.584 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 26359

Ion	Ratio	Lower	Upper
97	100		
83	86.2	64.6	96.8
85	58.2	40.6	60.8
99	61.7	48.4	72.6

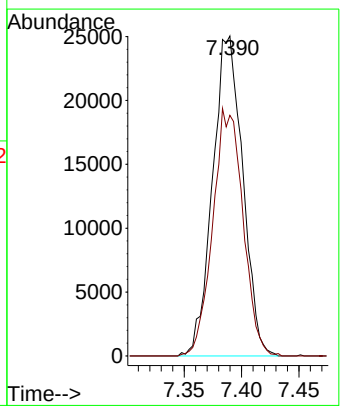


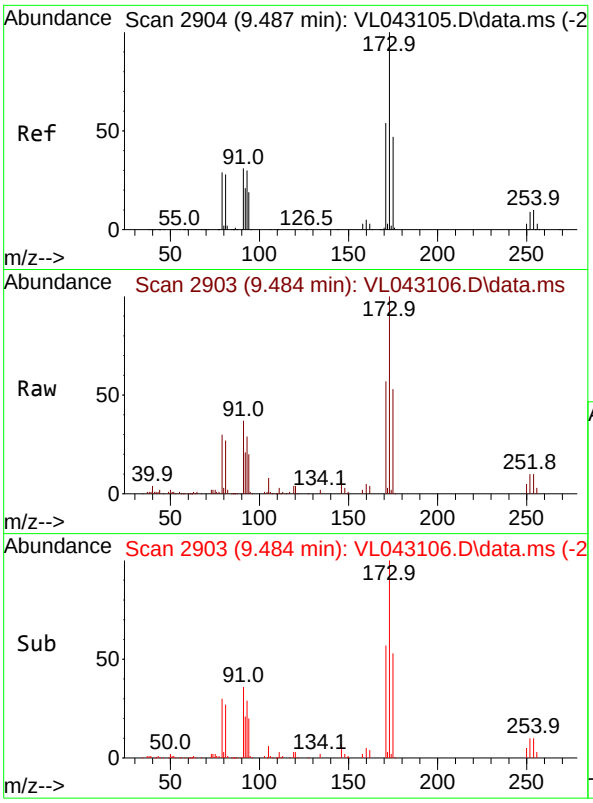


#48
Dibromochloromethane
Concen: 2.146 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:129 Resp: 45751

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.3	117.9



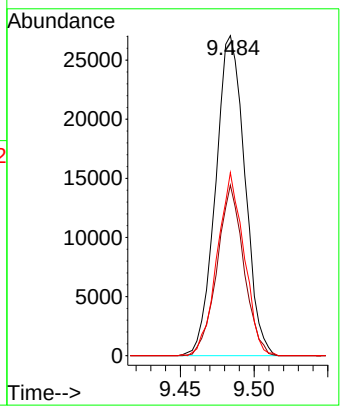


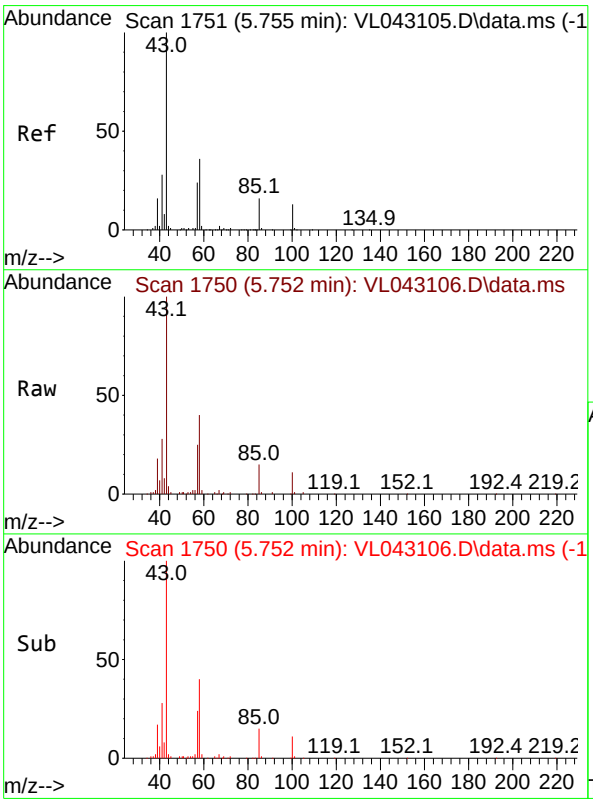
#49
Bromoform
Concen: 2.153 ppbv
RT: 9.484 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 37314

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.8	58.2
171	52.7	41.7	62.5

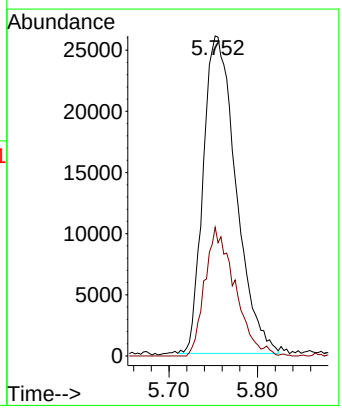


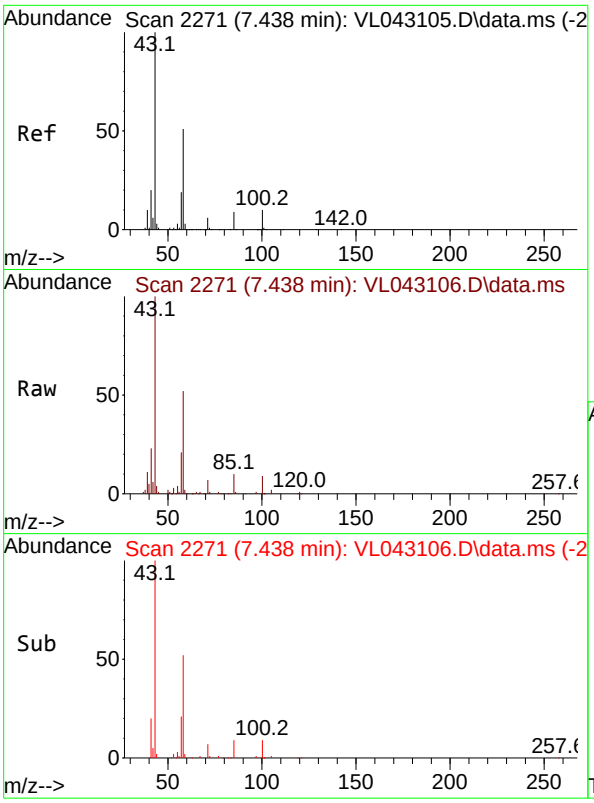


#50
4-Methyl-2-Pentanone
Concen: 2.089 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 43 Resp: 66811

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.1	43.7



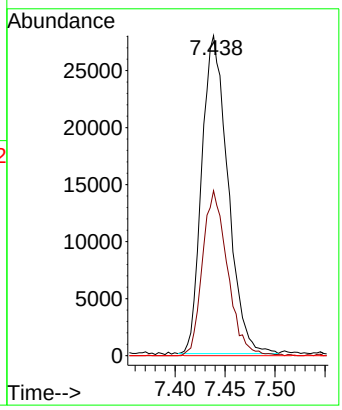


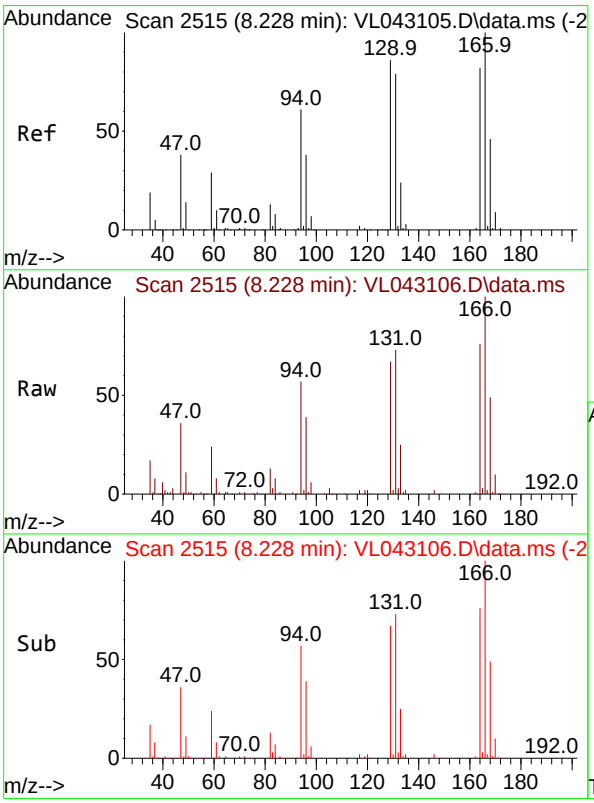
#51
2-Hexanone
Concen: 2.122 ppbv
RT: 7.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 50642

Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.4	60.6
98	0.0	0.1	0.1#

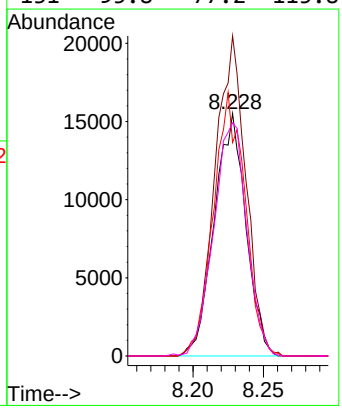


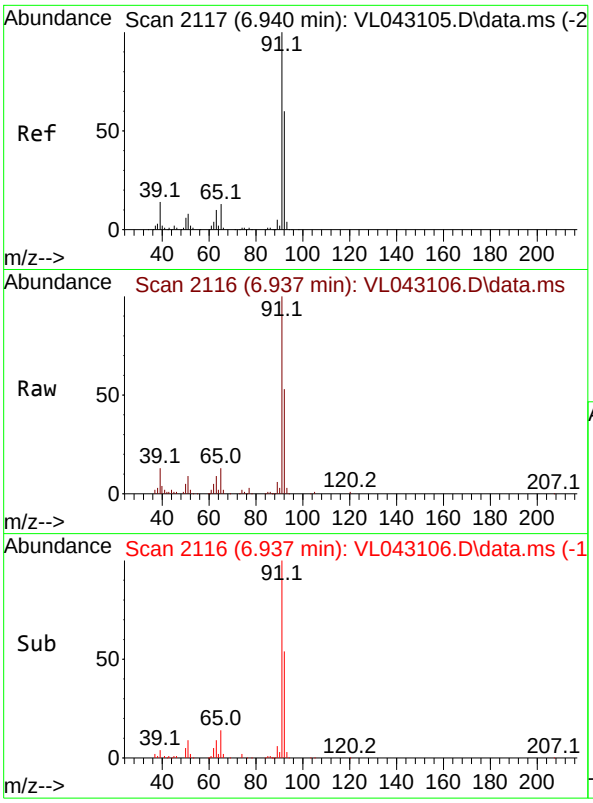


#52
Tetrachloroethene
Concen: 2.076 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:164 Resp: 24183

Ion	Ratio	Lower	Upper
164	100		
166	132.0	97.6	146.4
129	88.0	84.5	126.7
131	95.8	77.2	115.8



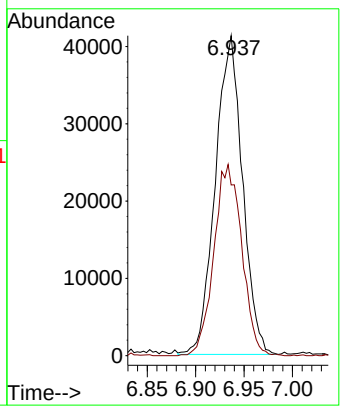


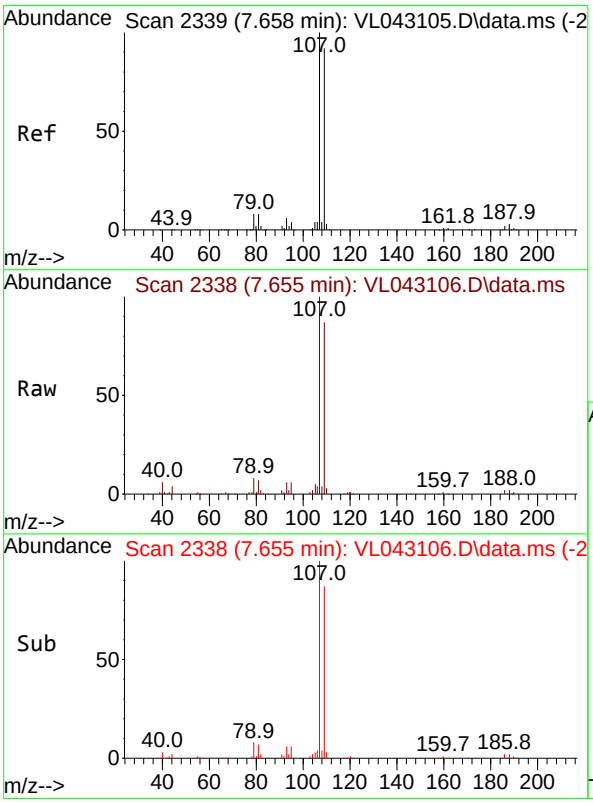
#53
Toluene
Concen: 2.104 ppbv
RT: 6.937 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 80660

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.8	73.2

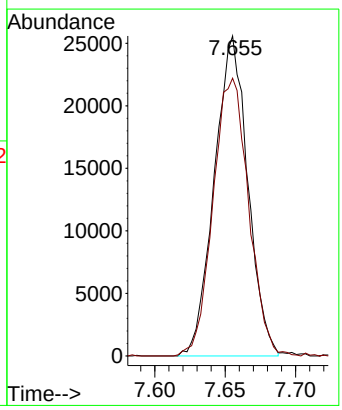


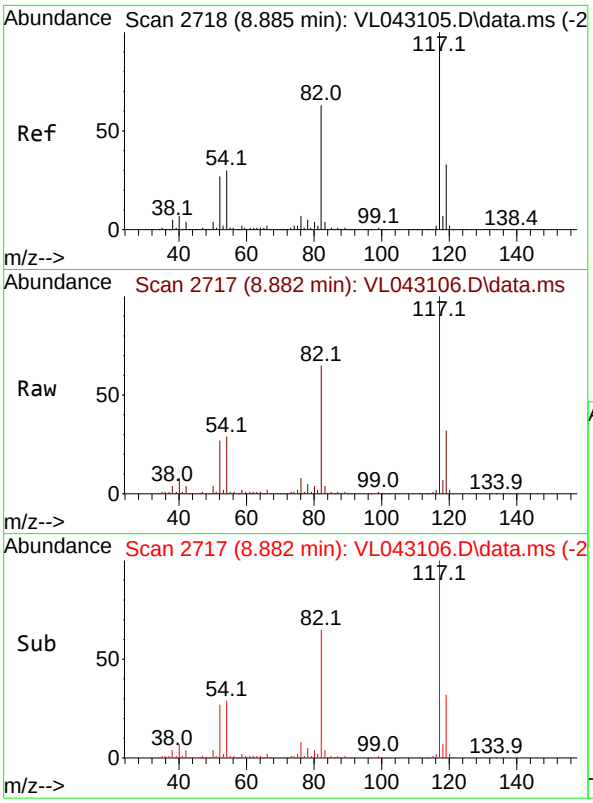


#54
1,2-Dibromoethane
Concen: 2.103 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:107 Resp: 42320

Ion	Ratio	Lower	Upper
107	100		
109	86.5	73.4	110.2



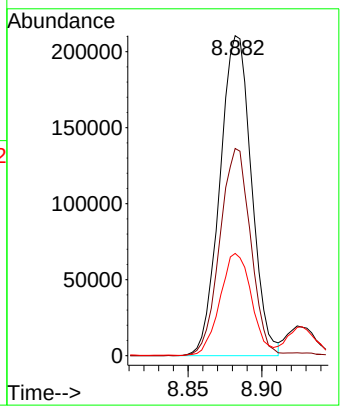


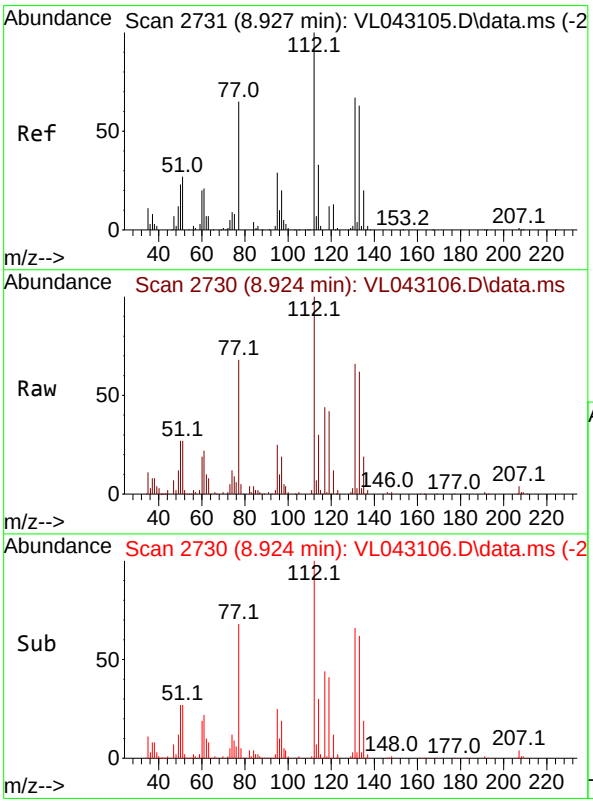
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 313603

Ion	Ratio	Lower	Upper
117	100		
82	63.9	53.8	80.8
119	32.3	25.4	38.0

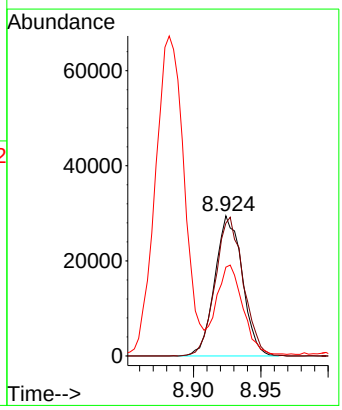


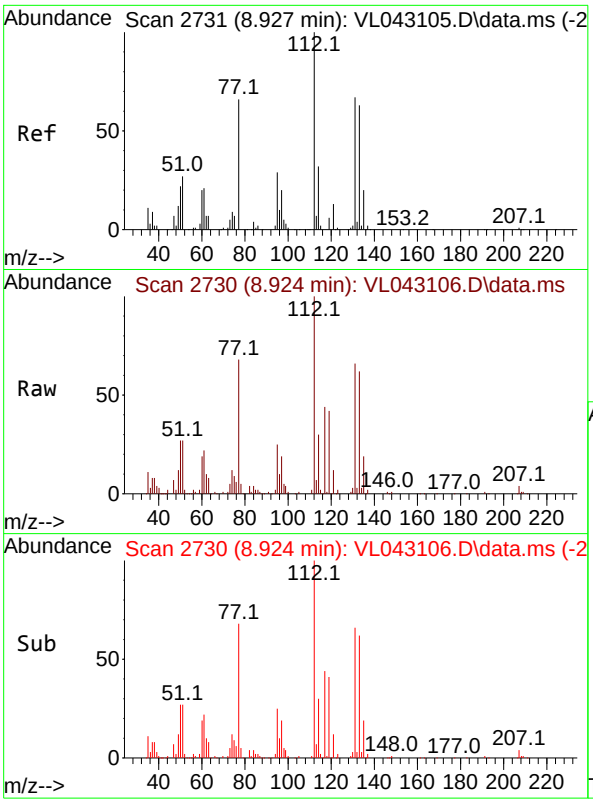


#56
1,1,1,2-Tetrachloroethane
Concen: 2.110 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:131 Resp: 41712

Ion	Ratio	Lower	Upper
131	100		
133	101.2	75.7	113.5
119	59.2	50.6	76.0



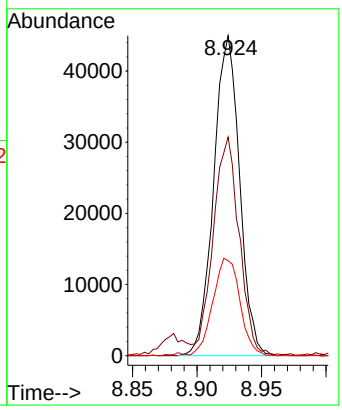


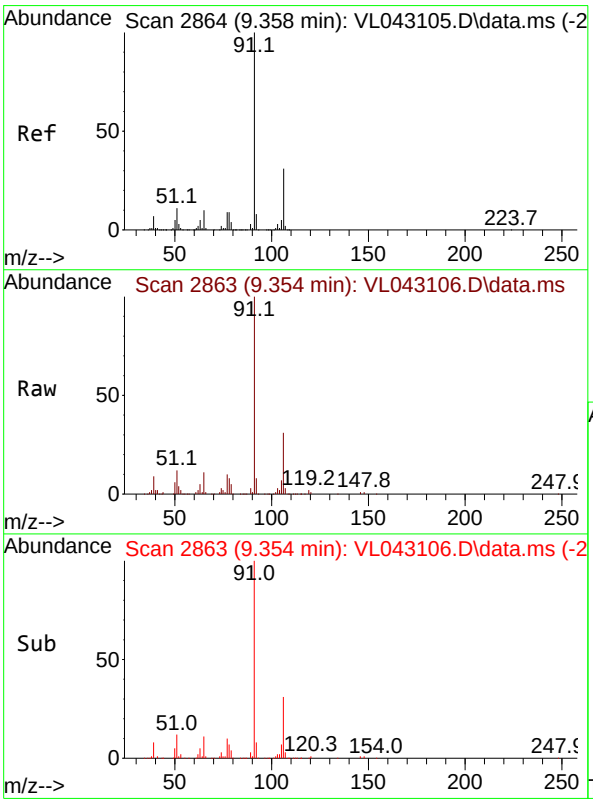
#57
Chlorobenzene
Concen: 2.138 ppbv
RT: 8.924 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 62714

Ion	Ratio	Lower	Upper
112	100		
77	67.8	53.3	79.9
114	29.6	29.3	35.8

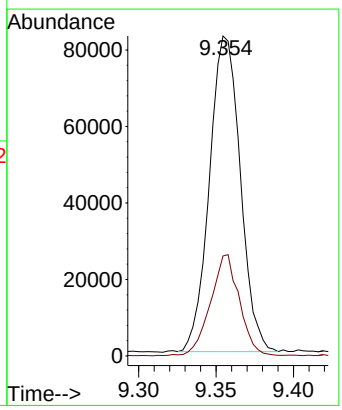


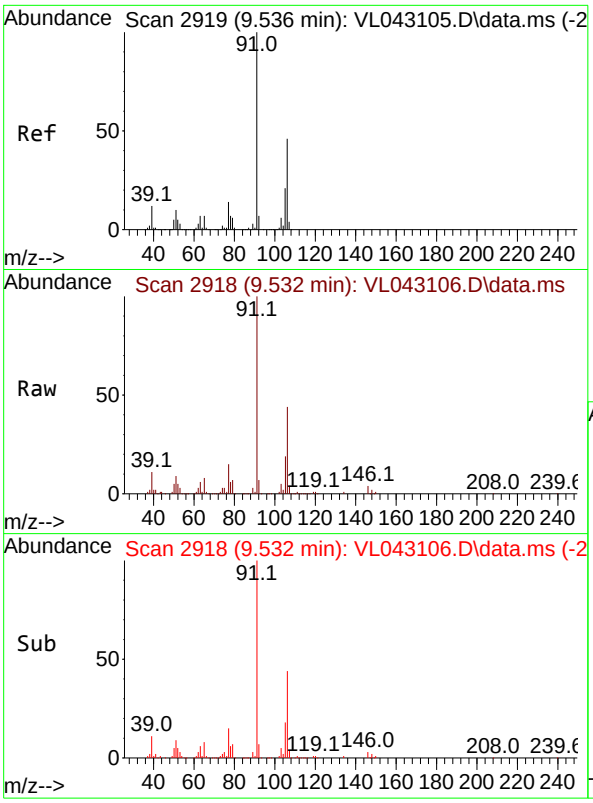


#58
Ethyl Benzene
Concen: 2.109 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 114403

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.8	37.2



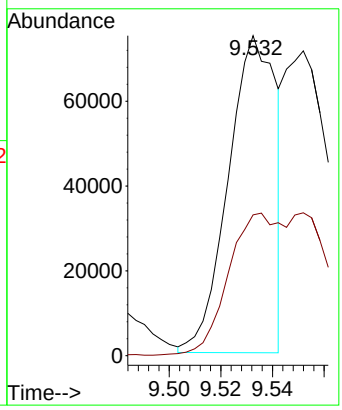


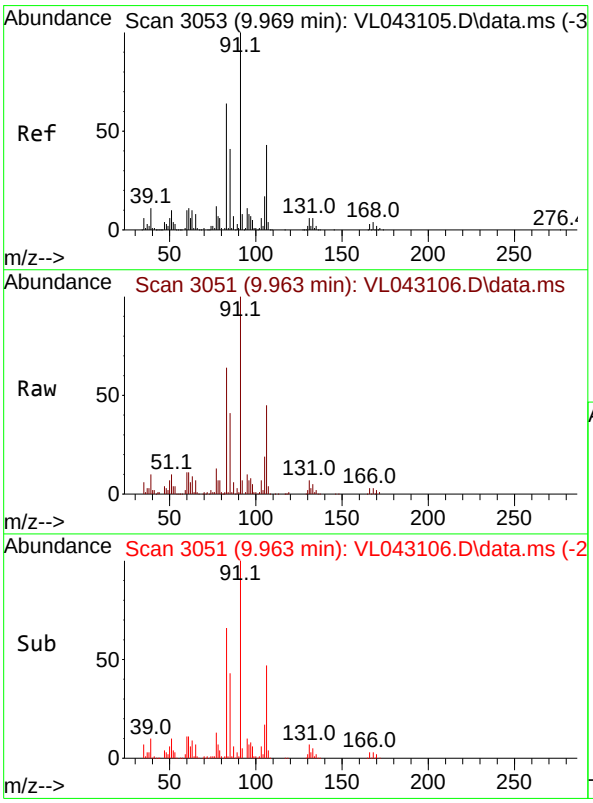
#59
m/p-Xylene
Concen: 2.238 ppbv
RT: 9.532 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 96158

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

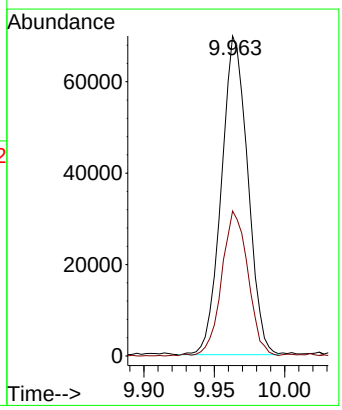


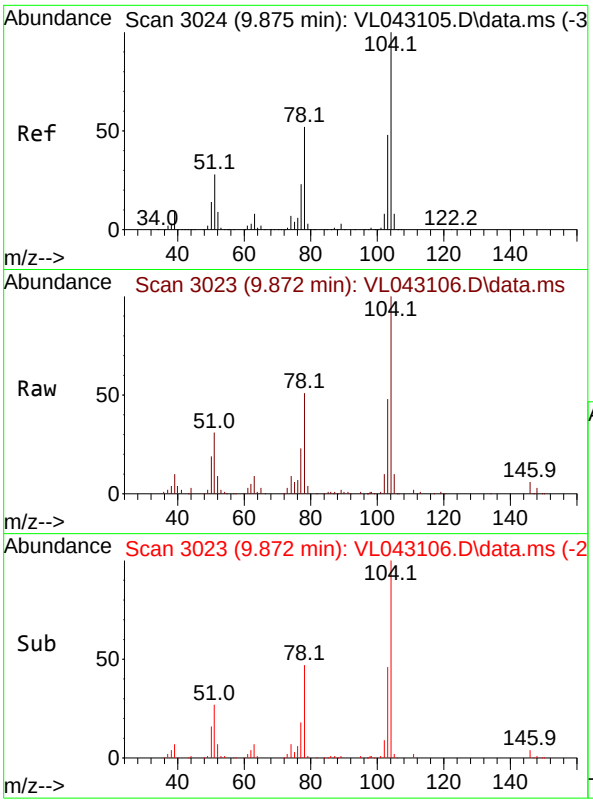


#60
o-Xylene
Concen: 2.152 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 91223

Ion	Ratio	Lower	Upper
91	100		
106	45.2	21.9	65.8



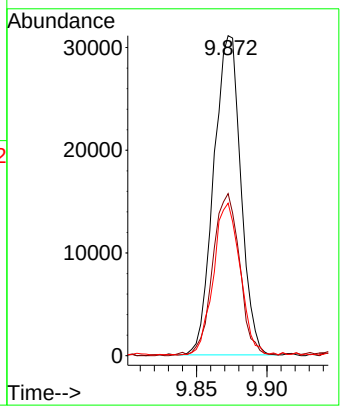


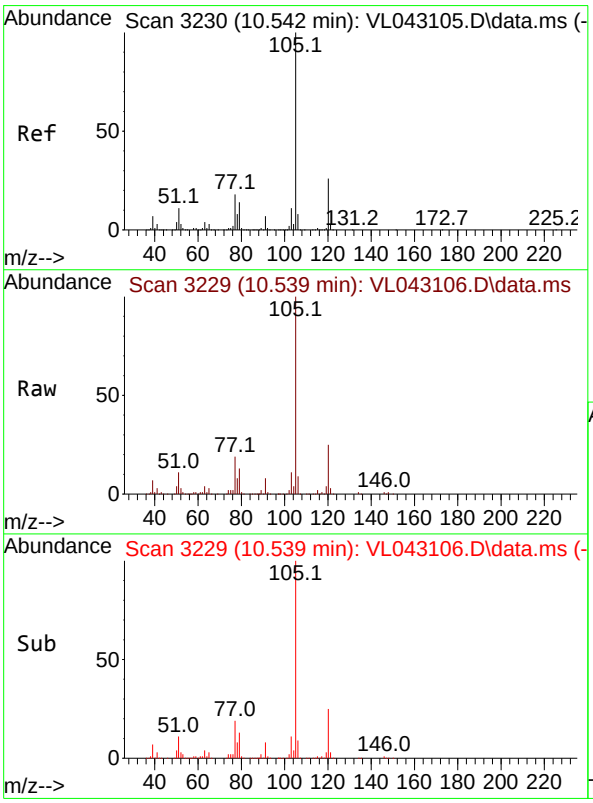
#61
Styrene
Concen: 2.175 ppbv
RT: 9.872 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 41631

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.2	60.2
103	47.4	36.9	55.3

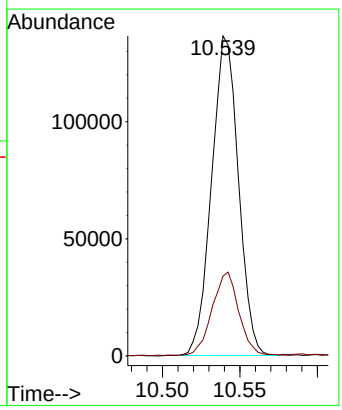


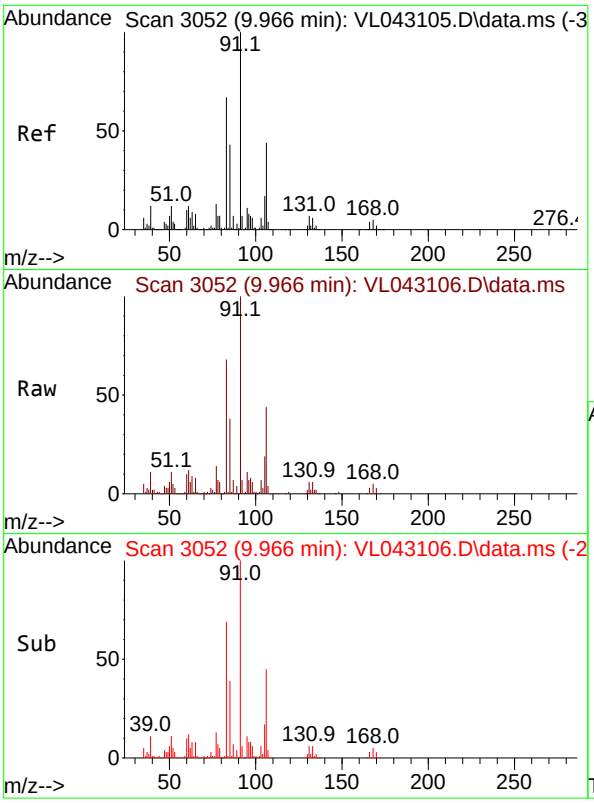


#62
Isopropylbenzene
Concen: 2.142 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:105 Resp: 164073

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.2	30.4



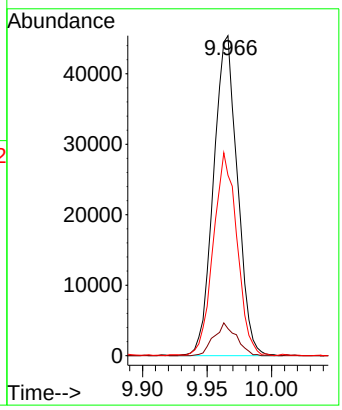


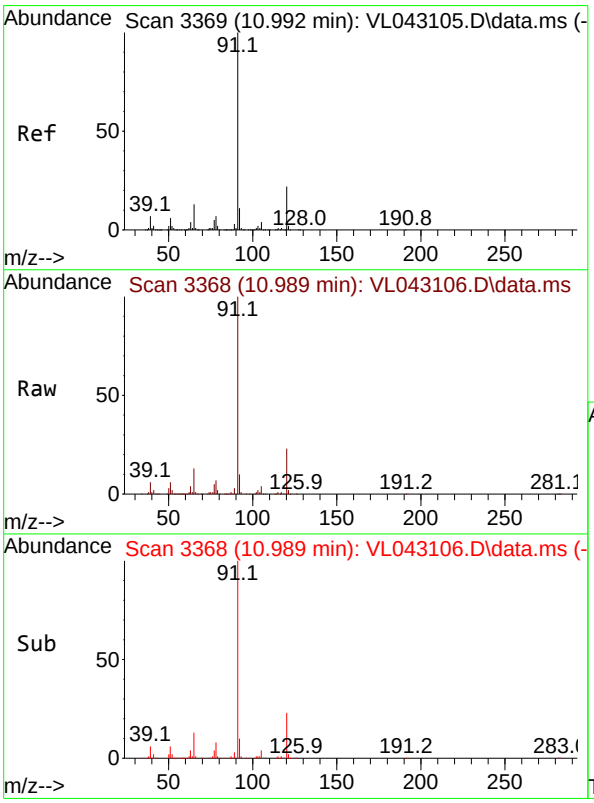
#63
1,1,2,2-Tetrachloroethane
Concen: 2.061 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 58510

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	63.2	32.0	96.0

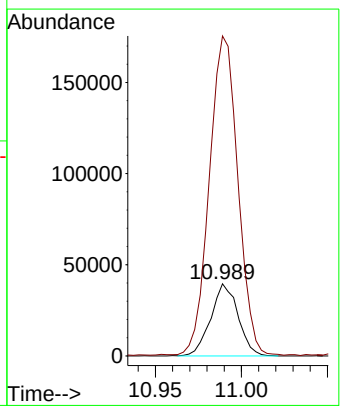


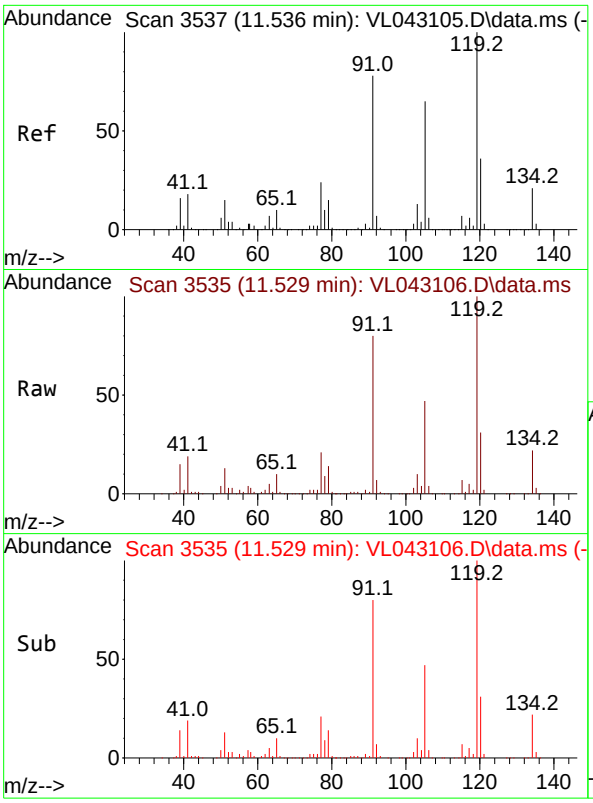


#64
n-propylbenzene
Concen: 2.152 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:120 Resp: 43648

Ion	Ratio	Lower	Upper
120	100		
91	462.4	361.6	542.4



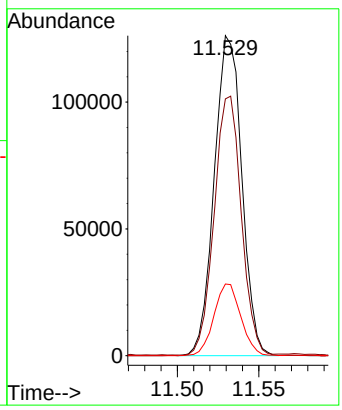


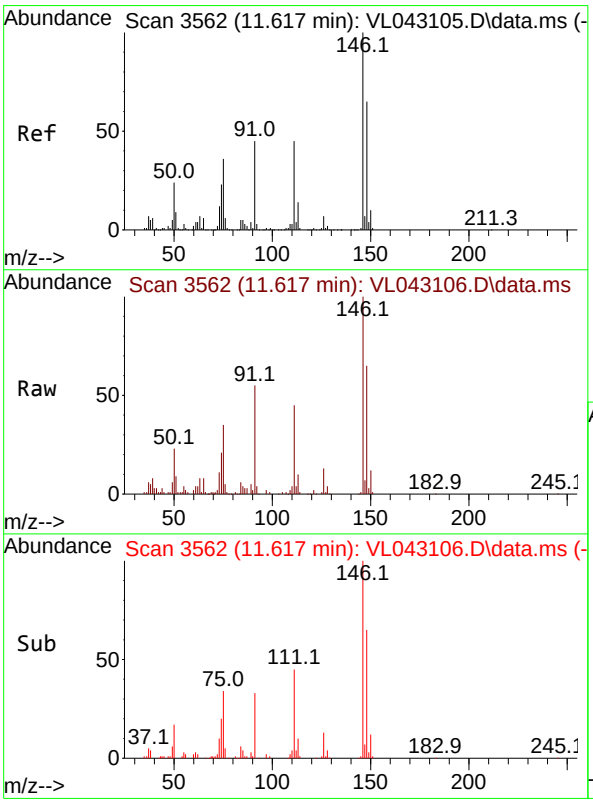
#65
tert-Butylbenzene
Concen: 2.192 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 148300

Ion	Ratio	Lower	Upper
119	100		
91	80.2	63.4	95.0
134	22.0	17.3	25.9

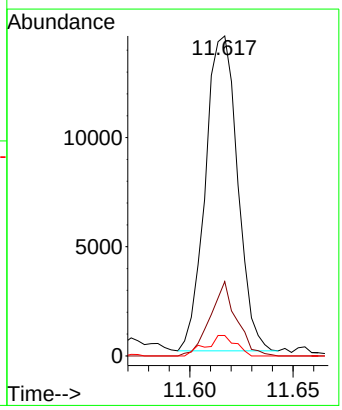


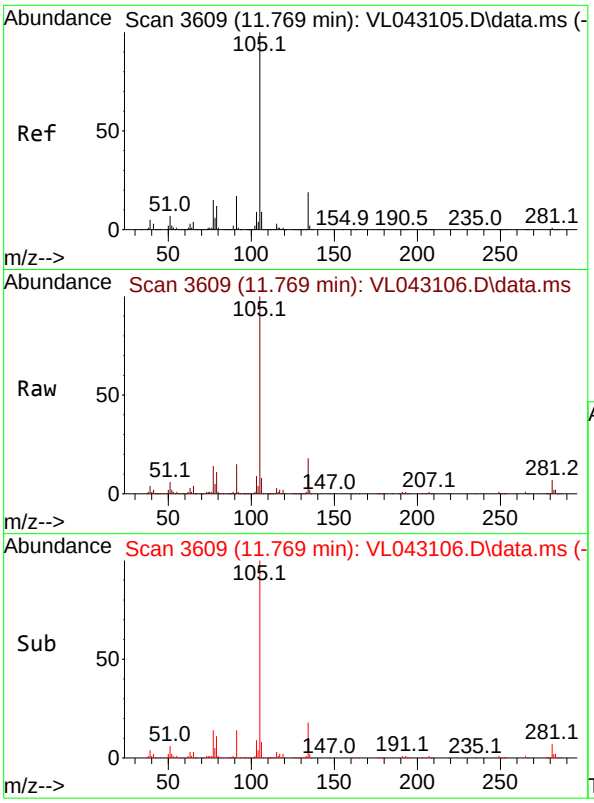


#66
Benzyl Chloride
Concen: 2.072 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 15656

Ion	Ratio	Lower	Upper
91	100		
126	19.2	14.6	22.0
128	5.9	4.6	6.8



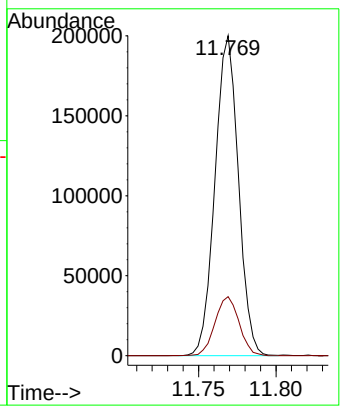


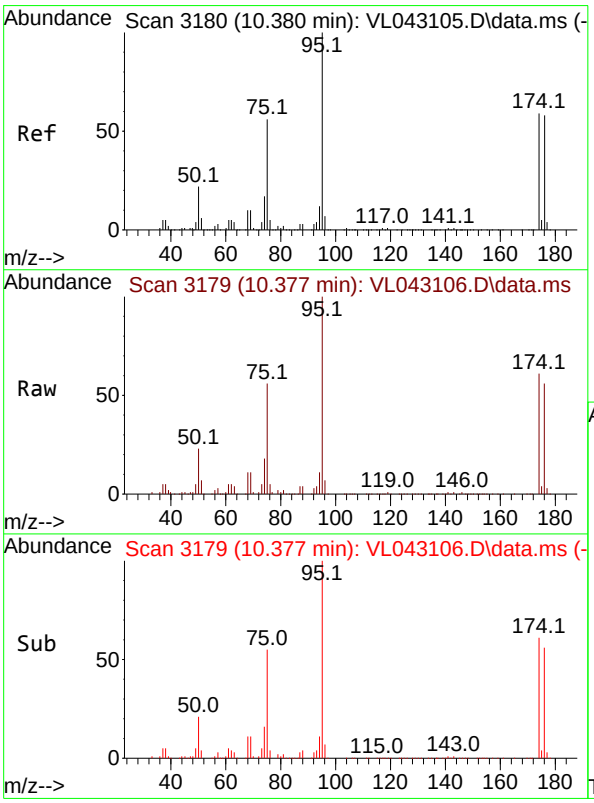
#67
sec-Butylbenzene
Concen: 2.193 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 210525

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.5	23.3

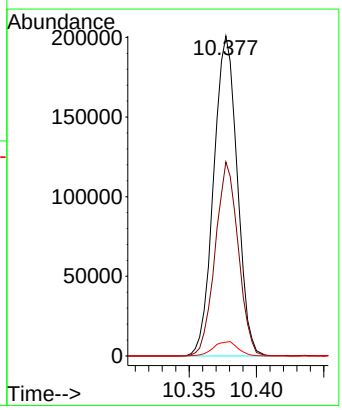


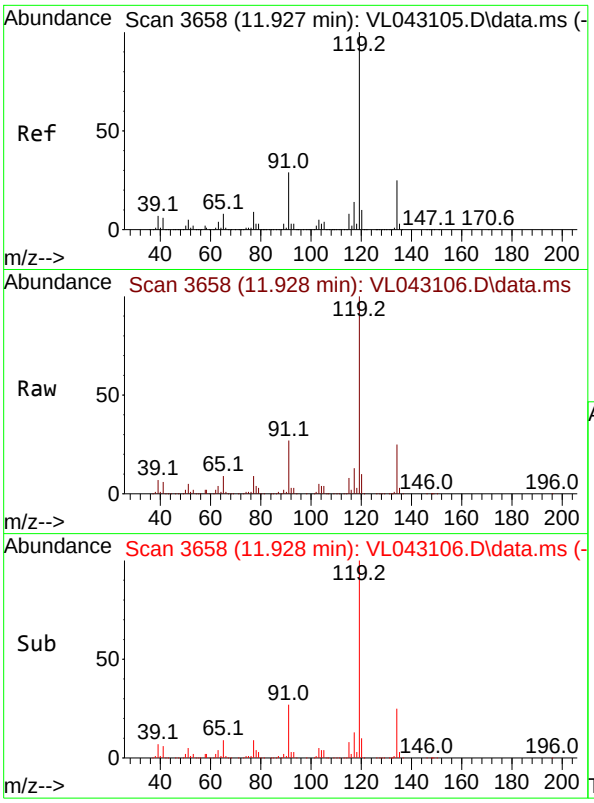


#68
1-Bromo-4-Fluorobenzene
Concen: 10.024 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 95 Resp: 244329

Ion	Ratio	Lower	Upper
95	100		
174	59.2	48.3	72.5
175	4.7	3.8	5.8



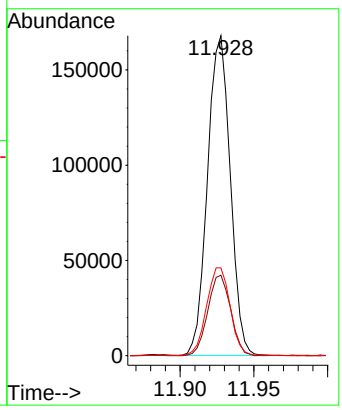


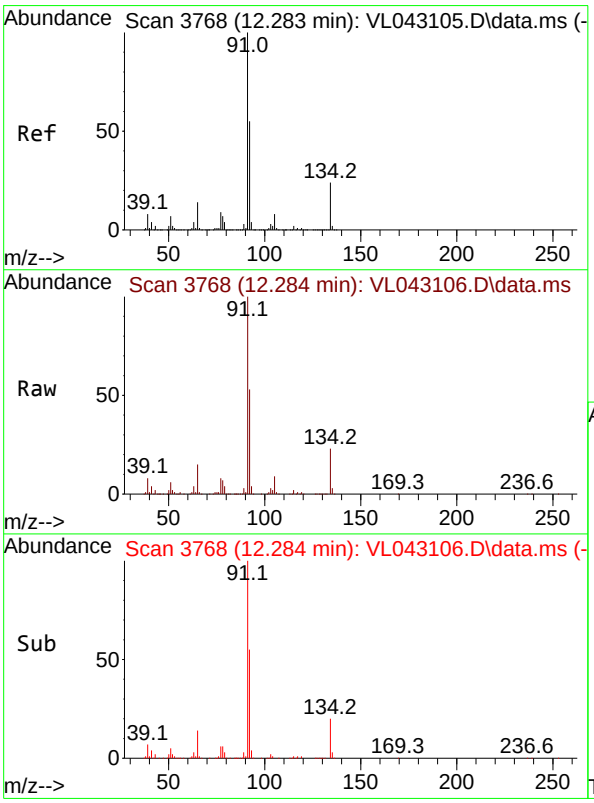
#69
p-Isopropyltoluene
Concen: 2.207 ppbv
RT: 11.928 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 180060

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	29.0	22.6	33.8

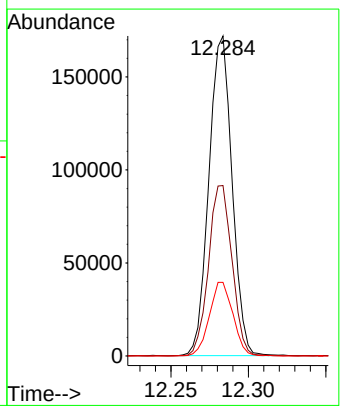


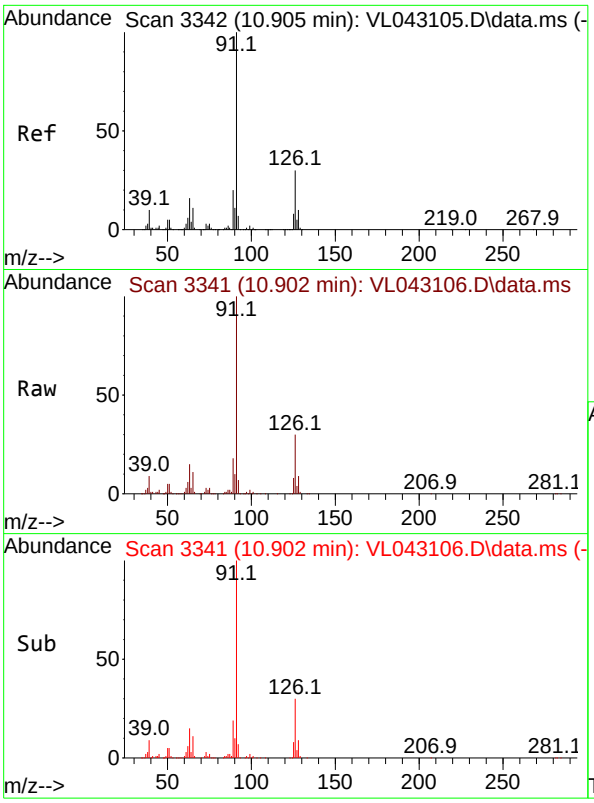


#70
n-Butylbenzene
Concen: 2.222 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 178676

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.5	66.7
134	23.4	19.3	28.9



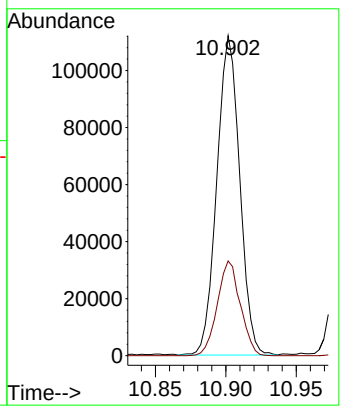


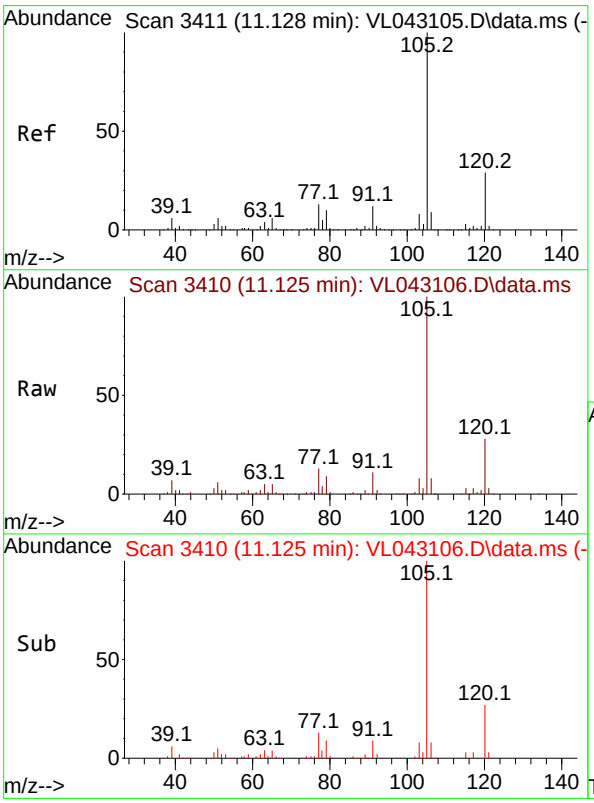
#71
2-Chlorotoluene
Concen: 2.166 ppbv
RT: 10.902 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 126551

Ion	Ratio	Lower	Upper
91	100		
126	29.7	12.0	48.0

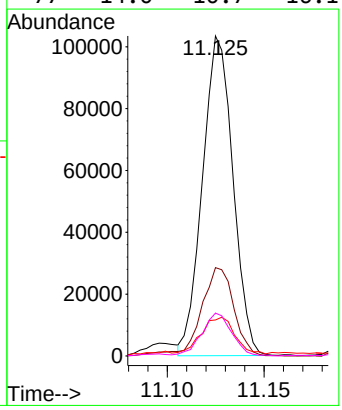


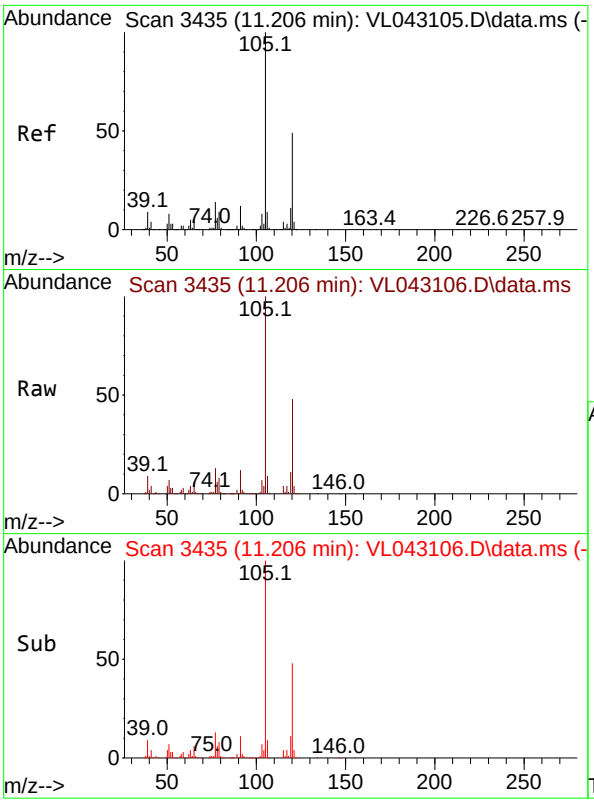


#72
4-Ethyltoluene
Concen: 2.172 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:105 Resp: 113233

Ion	Ratio	Lower	Upper
105	100		
120	29.8	24.2	36.4
91	14.8	10.0	15.0
77	14.0	10.7	16.1



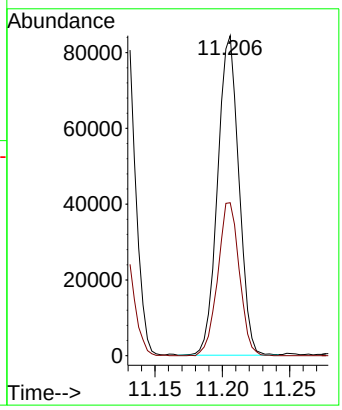


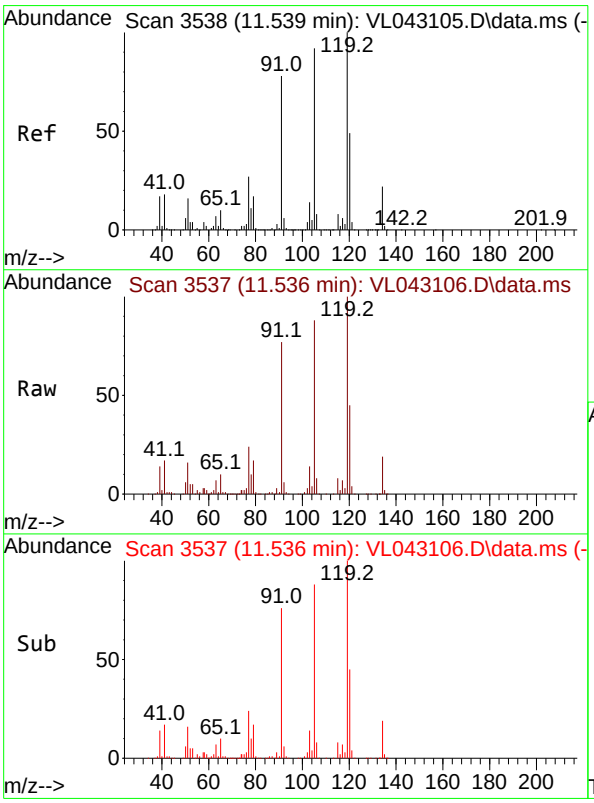
#73
1,3,5-Trimethylbenzene
Concen: 2.155 ppbv
RT: 11.206 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 92650

Ion	Ratio	Lower	Upper
105	100		
120	47.9	39.0	58.6

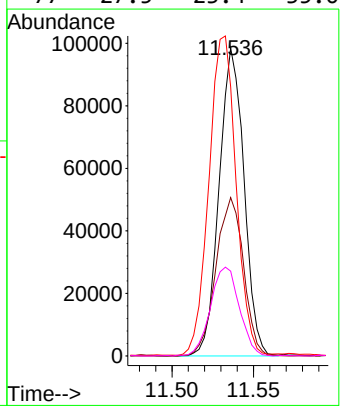


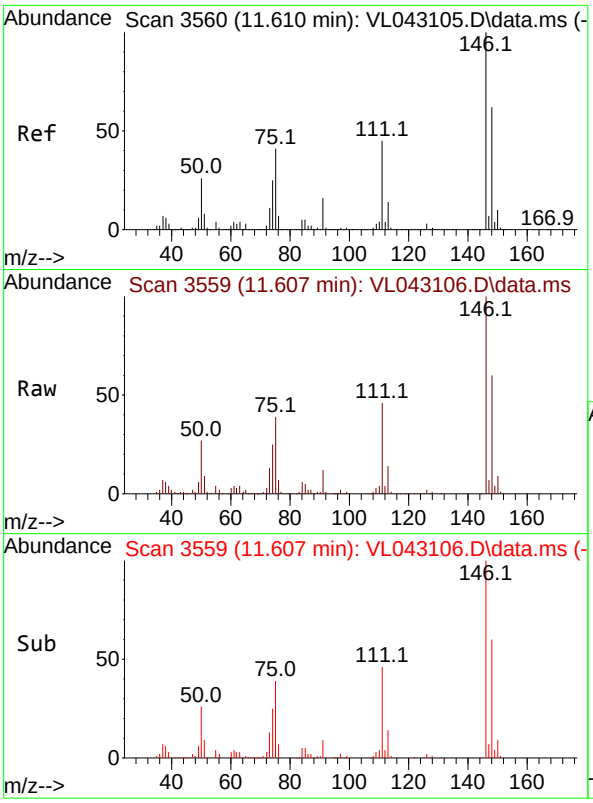


#74
1,2,4-Trimethylbenzene
Concen: 2.169 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:105 Resp: 104352

Ion	Ratio	Lower	Upper
105	100		
120	51.4	42.8	64.2
91	87.0	68.3	102.5
77	27.5	23.4	35.0



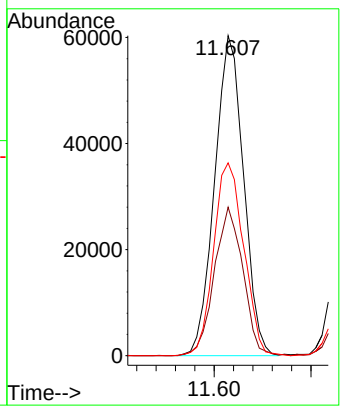


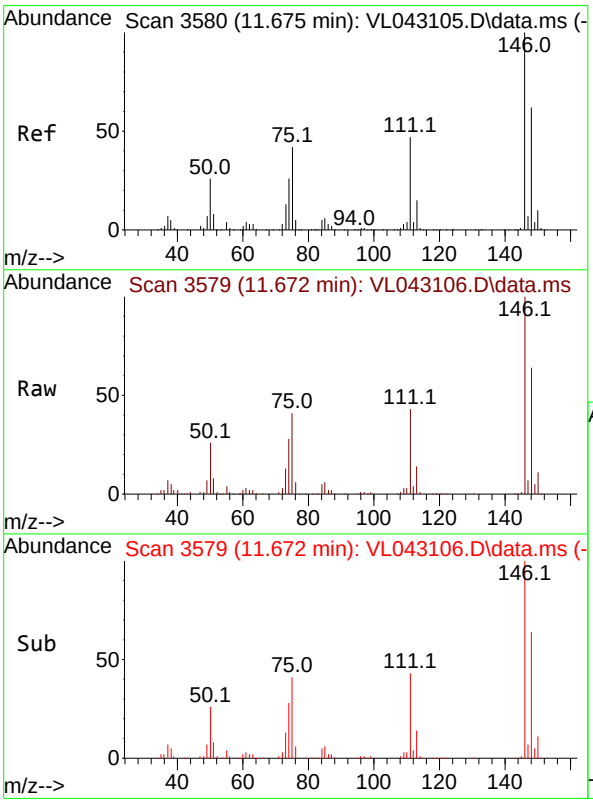
#75
1,3-Dichlorobenzene
Concen: 2.247 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 62709

Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.3	69.9
148	62.6	31.6	95.0

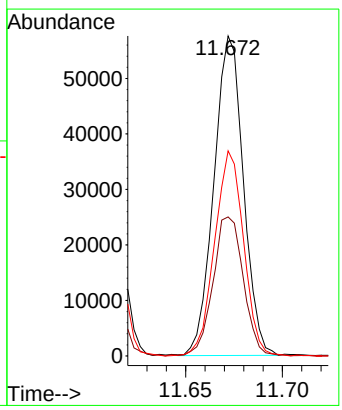


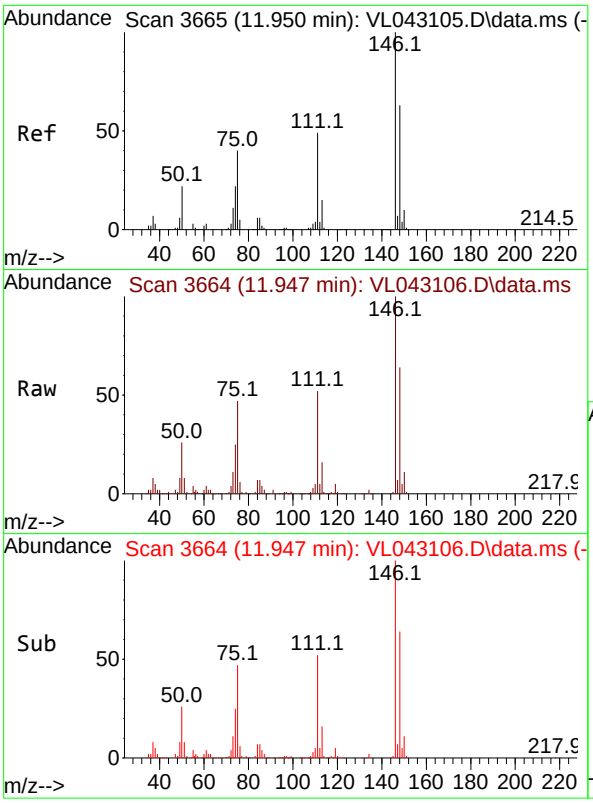


#76
1,4-Dichlorobenzene
Concen: 2.164 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:146 Resp: 60877

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.0
148	63.3	31.6	94.7



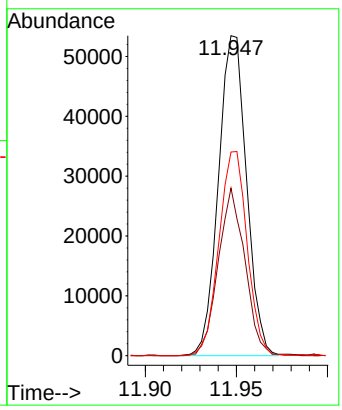


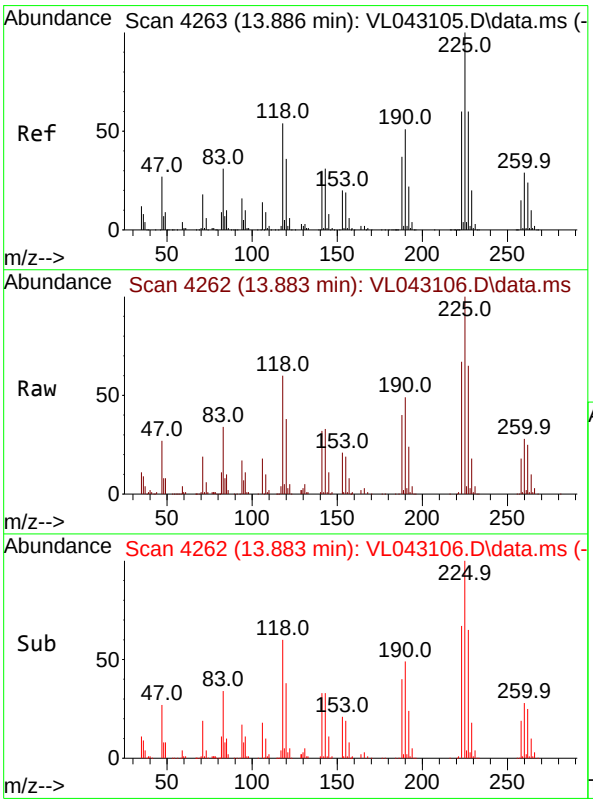
#77
1,2-Dichlorobenzene
Concen: 2.123 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 57304

Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.0	72.0
148	64.3	31.1	93.3

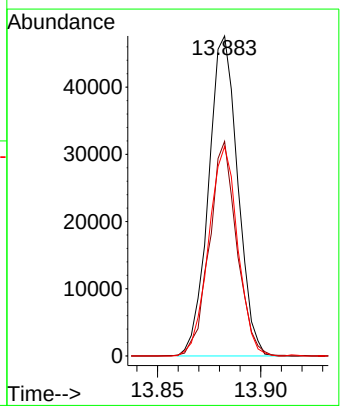


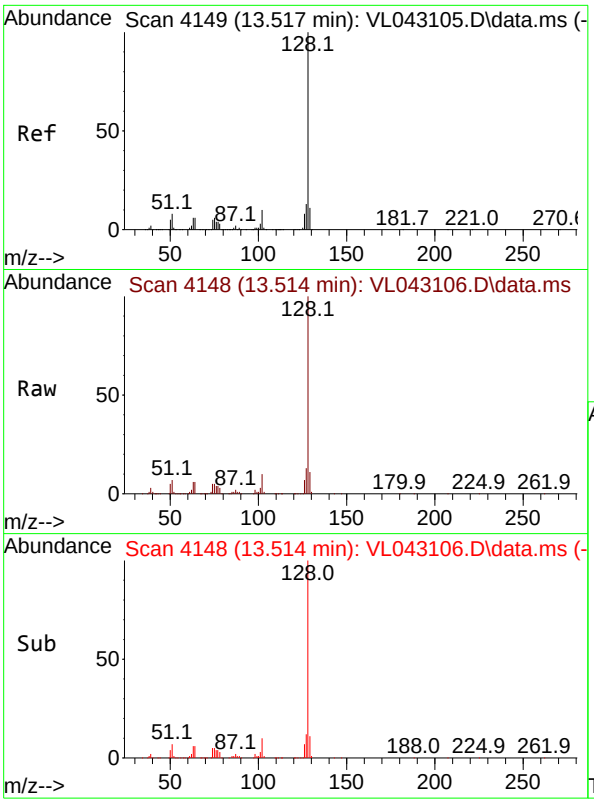


#78
Hexachloro-1,3-Butadiene
Concen: 2.239 ppbv
RT: 13.883 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:225 Resp: 46796

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.4
227	65.2	49.6	74.4



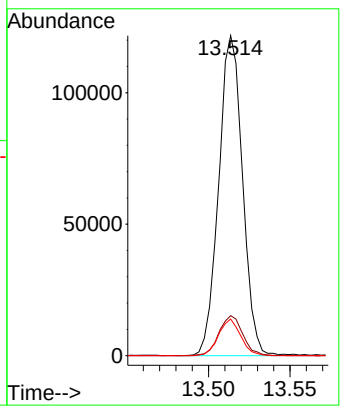


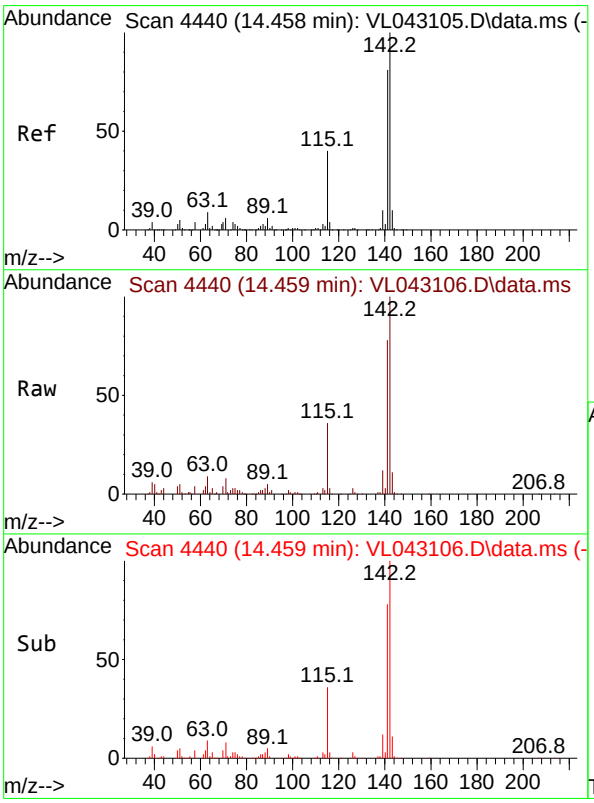
#79
Naphthalene
Concen: 2.488 ppbv
RT: 13.514 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 123642

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	11.4	9.1	13.7

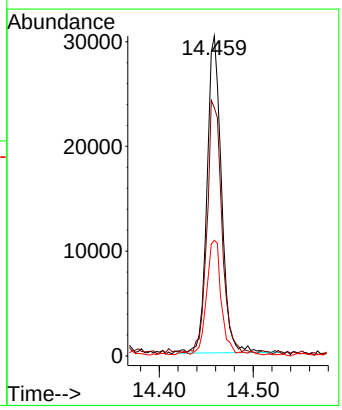


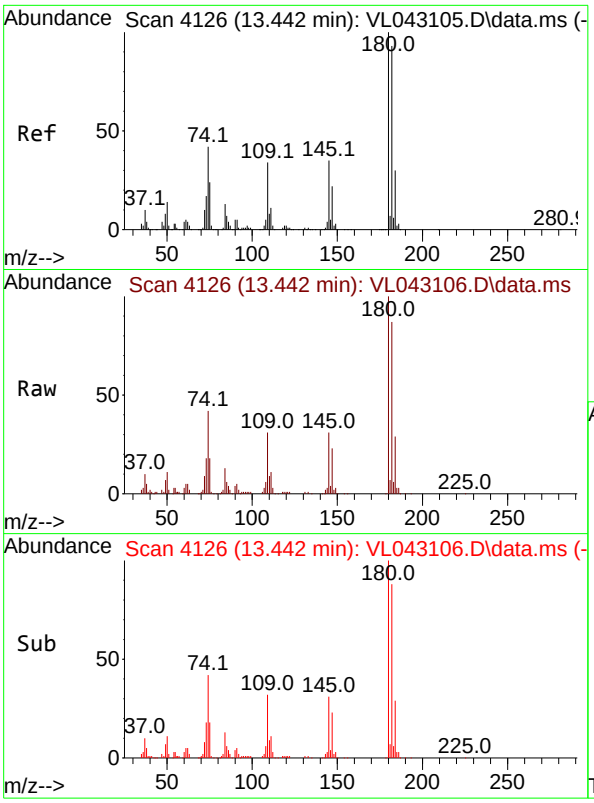


#80
Naphthalene,2-methyl-
Concen: 2.462 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:142 Resp: 32308

Ion	Ratio	Lower	Upper
142	100		
141	82.6	64.6	97.0
115	39.7	30.2	45.4



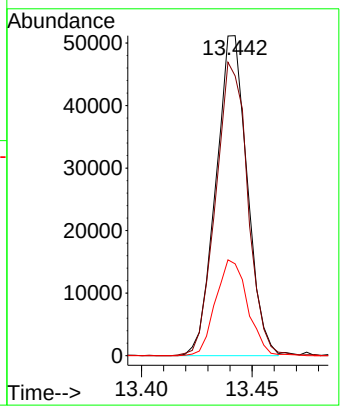


#81
1,2,4-Trichlorobenzene
Concen: 2.414 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 50394

Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.5	113.3
184	30.6	23.9	35.9



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Oct 15 01:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	102307	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	336268	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	305409	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	235307	9.912	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	15620	1.074	ppbv	99
3) Chlorodifluoromethane	1.476	51	16692	1.061	ppbv #	91
4) Chloromethane	1.534	50	6353	1.103	ppbv	93
5) Vinyl Chloride	1.580	62	5694	1.008	ppbv	96
6) Bromomethane	1.667	94	3462	1.117	ppbv	98
7) Chloroethane	1.706	64	2615	1.132	ppbv #	82
8) Dichlorotetrafluoroethane	1.554	85	12940	1.101	ppbv	98
9) Propene	1.483	41	7291	1.045	ppbv	100
10) Heptane	4.978	43	22011	1.100	ppbv	99
11) Trichlorofluoromethane	1.877	101	14927	1.049	ppbv	85
12) 1,1,2-Trichlorotrifluo...	2.140	101	12484	1.090	ppbv	99
13) Ethanol	1.722	45	3143	1.217	ppbv	83
14) Bromoethene	1.780	108	4440	1.043	ppbv #	90
15) Acetone	1.835	43	15572	1.123	ppbv	90
16) 1,3-Butadiene	1.609	39	7157	1.089	ppbv	97
17) tert-Butyl alcohol	2.043	59	20941	1.106	ppbv #	90
18) 1,1-Dichloroethene	2.036	96	5510	1.103	ppbv	88
19) Isopropyl Alcohol	1.887	45	9796	1.141	ppbv #	85
20) Methylene Chloride	2.062	84	6261	1.149	ppbv	96
21) Allyl Chloride	2.094	41	10737	1.055	ppbv #	82
22) trans-1,2-Dichloroethene	2.340	96	7119	1.193	ppbv	92
23) Vinyl Acetate	2.463	43	19477	0.964	ppbv	99
24) 1,1-Dichloroethane	2.405	63	12656	1.097	ppbv #	94
25) Ethyl Acetate	2.832	43	37093	1.085	ppbv	98
26) Hexane	2.826	57	17152	1.089	ppbv	98
27) Carbon Disulfide	2.149	76	15760	1.092	ppbv #	60
28) Methyl tert-Butyl Ether	2.441	73	7847	1.095	ppbv #	87
29) Chloroform	2.845	83	24527	1.074	ppbv	90
30) Cyclohexane	3.855	84	14819	1.078	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	16311	1.084	ppbv	93
32) 1,1,1-Trichloroethane	3.366	97	24948	1.049	ppbv	98
34) 2-Butanone	2.557	43	23811	1.047	ppbv	100
35) Carbon Tetrachloride	3.761	117	24969	1.033	ppbv	93
36) Benzene	3.651	78	32940	1.040	ppbv	99
37) 1,2-Dichloroethane	3.217	62	19213	1.053	ppbv	100
38) Trichloroethene	4.544	130	13512	1.023	ppbv	96
39) 1,2-Dichloropropane	4.311	63	12435	1.073	ppbv	92
40) 1,4-Dioxane	4.593	88	3225	0.622	ppbv #	21
41) Tetrahydrofuran	3.056	42	13251	1.044	ppbv	99
42) Bromodichloromethane	4.486	83	26069	1.032	ppbv #	94
43) Methyl Methacrylate	4.878	69	17195	1.064	ppbv	97
44) 2,2,4-Trimethylpentane	4.638	57	57382	1.084	ppbv	96
45) t-1,3-Dichloropropene	6.415	75	7304	0.452	ppbv	97

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Oct 15 01:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

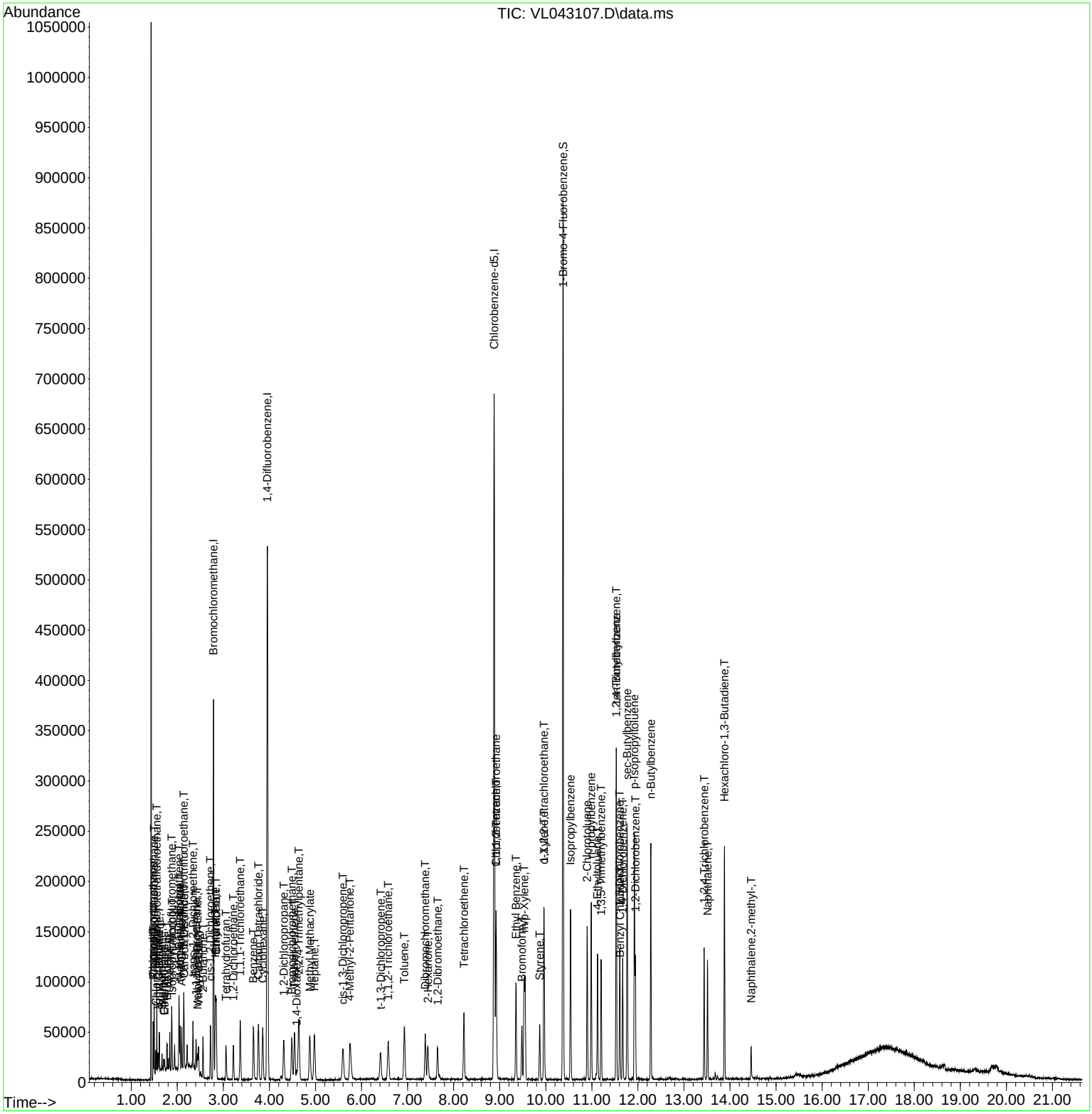
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	19830	1.029	ppbv		94
47) 1,1,2-Trichloroethane	6.577	97	12876	1.030	ppbv		98
48) Dibromochloromethane	7.383	129	21874	1.046	ppbv		97
49) Bromoform	9.480	173	17320	1.019	ppbv		96
50) 4-Methyl-2-Pentanone	5.745	43	11642	0.371	ppbv	#	38
51) 2-Hexanone	7.441	43	23817	1.018	ppbv	#	95
52) Tetrachloroethene	8.224	164	12319	1.079	ppbv		91
53) Toluene	6.930	91	39079	1.040	ppbv		98
54) 1,2-Dibromoethane	7.652	107	19711	0.999	ppbv		88
56) 1,1,1,2-Tetrachloroethane	8.920	131	20279	1.053	ppbv		96
57) Chlorobenzene	8.920	112	30824	1.079	ppbv		97
58) Ethyl Benzene	9.351	91	55420	1.049	ppbv		96
59) m/p-Xylene	9.532	91	45483	1.087	ppbv	#	29
60) o-Xylene	9.963	91	44925	1.088	ppbv		100
61) Styrene	9.869	104	19809	1.063	ppbv		98
62) Isopropylbenzene	10.535	105	81579	1.093	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	28230	1.021	ppbv		100
64) n-propylbenzene	10.985	120	21685	1.098	ppbv		98
65) tert-Butylbenzene	11.529	119	72781	1.105	ppbv		99
66) Benzyl Chloride	11.613	91	7918	1.076	ppbv		97
67) sec-Butylbenzene	11.765	105	103152	1.103	ppbv		100
69) p-Isopropyltoluene	11.924	119	88443	1.113	ppbv		99
70) n-Butylbenzene	12.280	91	86120	1.100	ppbv		98
71) 2-Chlorotoluene	10.898	91	60994	1.072	ppbv		99
72) 4-Ethyltoluene	11.121	105	53788	1.059	ppbv		98
73) 1,3,5-Trimethylbenzene	11.202	105	44786	1.070	ppbv		98
74) 1,2,4-Trimethylbenzene	11.532	105	52118	1.112	ppbv		95
75) 1,3-Dichlorobenzene	11.604	146	29186	1.074	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	29225	1.066	ppbv		98
77) 1,2-Dichlorobenzene	11.947	146	29146	1.109	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	23330	1.146	ppbv		99
79) Naphthalene	13.510	128	53930	1.114	ppbv		98
80) Naphthalene,2-methyl-	14.458	142	10851	0.849	ppbv		94
81) 1,2,4-Trichlorobenzene	13.439	180	22161	1.090	ppbv		98

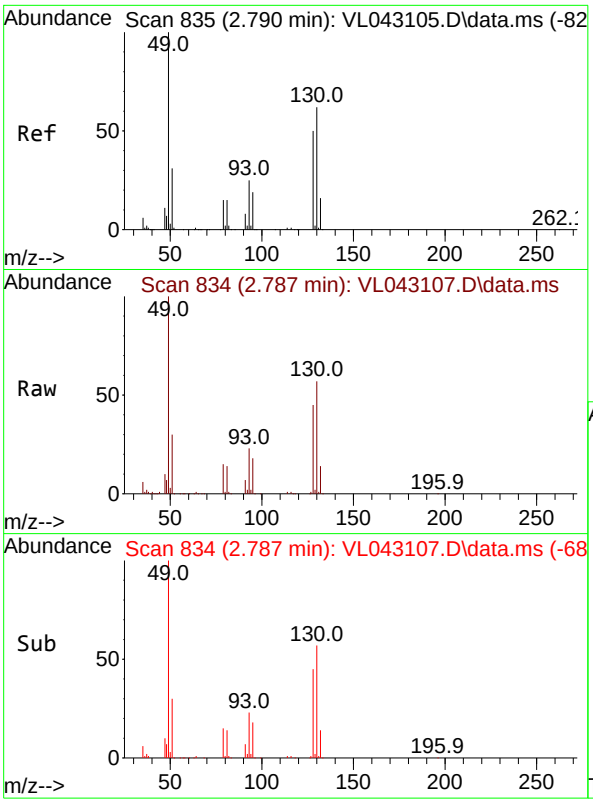
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Oct 15 01:52:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration



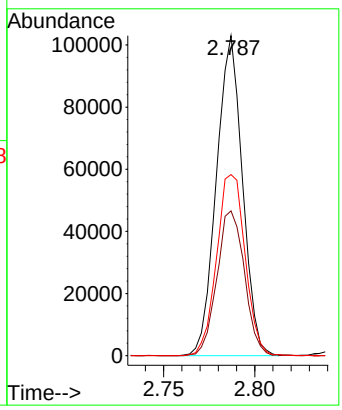


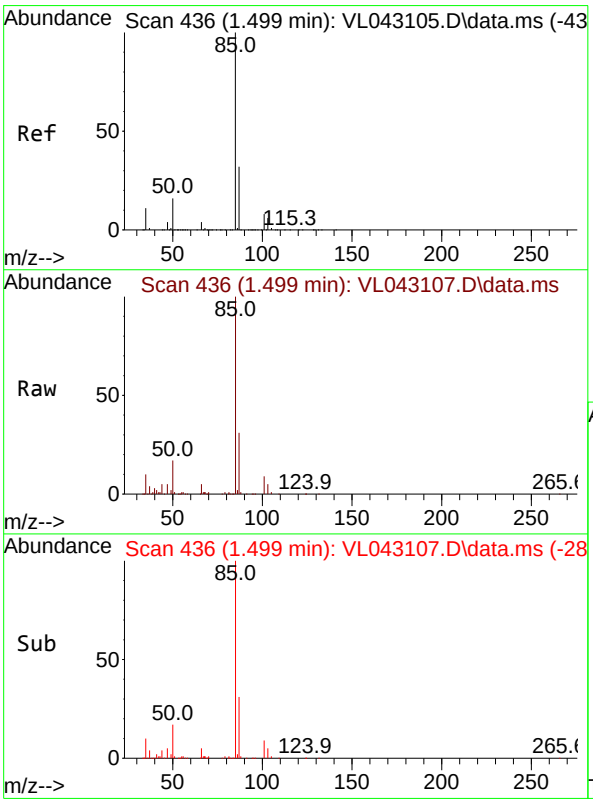
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 102307

Ion	Ratio	Lower	Upper
49	100		
128	48.0	24.4	73.4
130	62.0	31.0	93.0

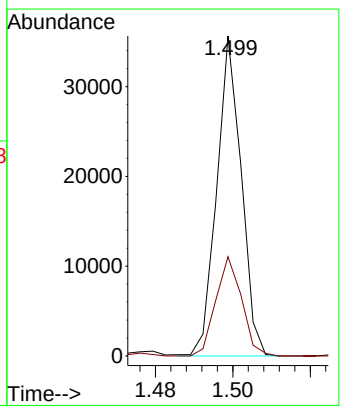


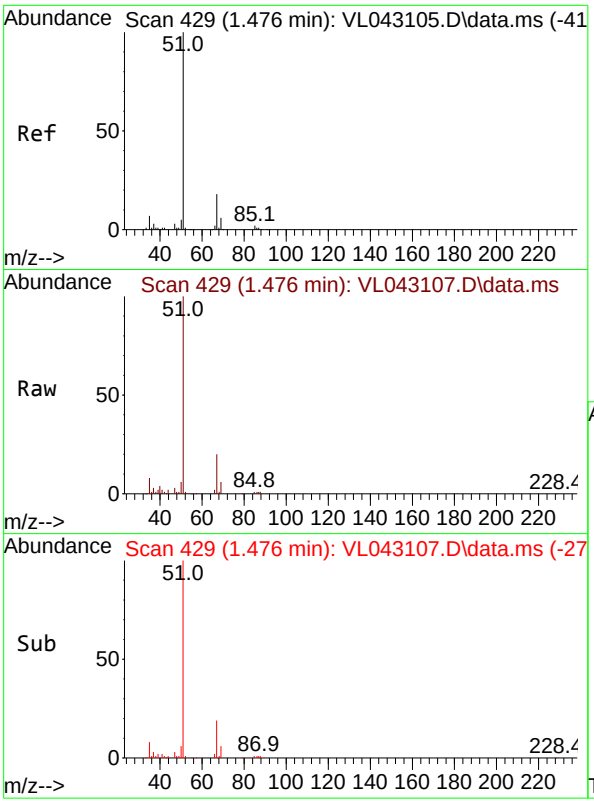


#2
Dichlorodifluoromethane
Concen: 1.074 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 85 Resp: 15620

Ion	Ratio	Lower	Upper
85	100		
87	31.0	25.3	37.9



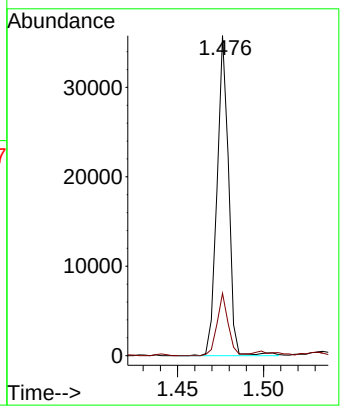


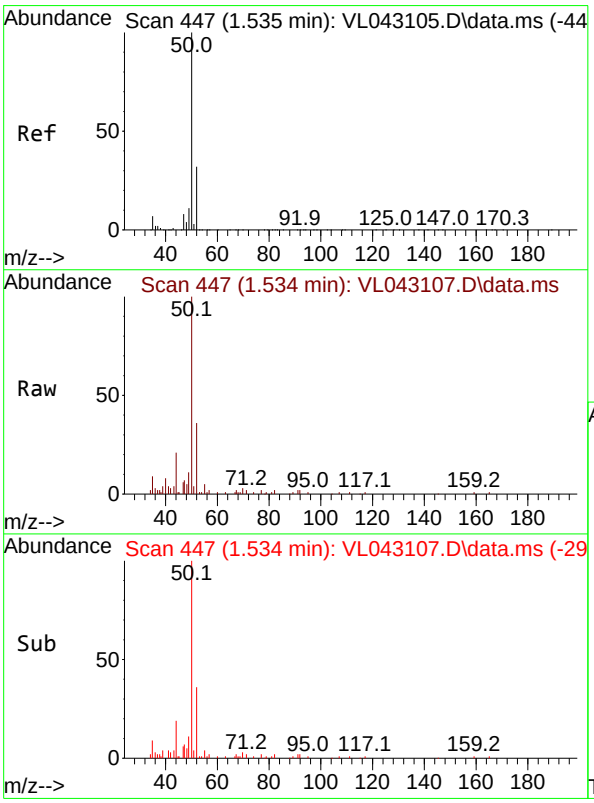
#3
Chlorodifluoromethane
Concen: 1.061 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 16692

Ion	Ratio	Lower	Upper
51	100		
67	22.8	15.1	22.7#

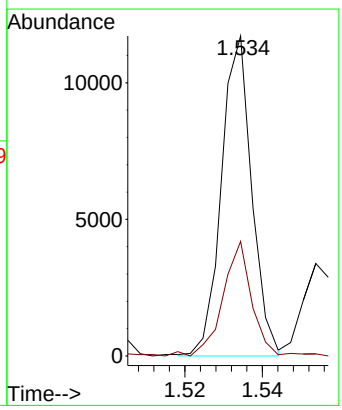


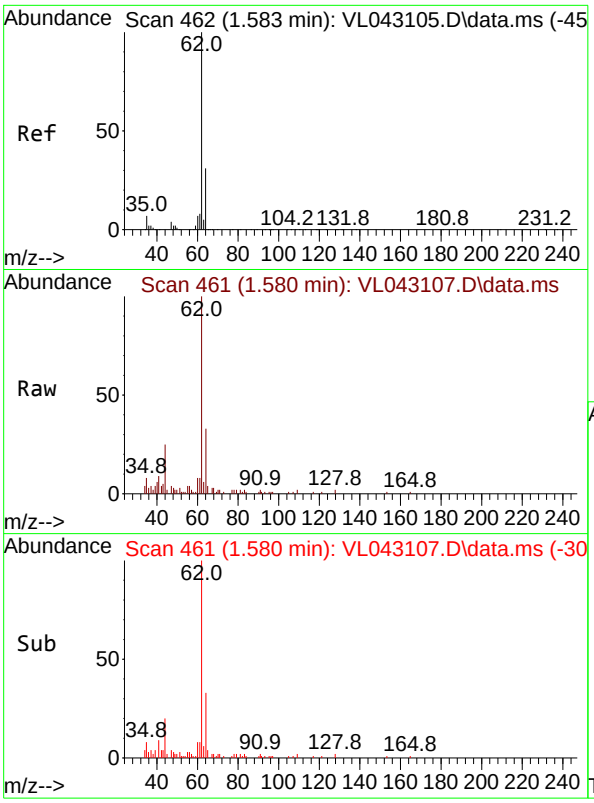


#4
Chloromethane
Concen: 1.103 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 50 Resp: 6353

Ion	Ratio	Lower	Upper
50	100		
52	35.6	25.2	37.8



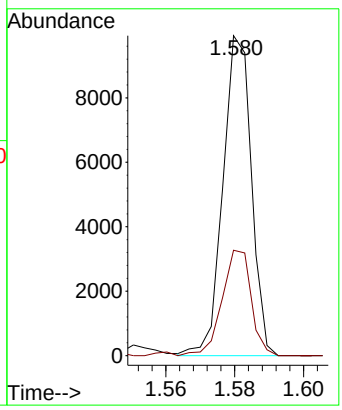


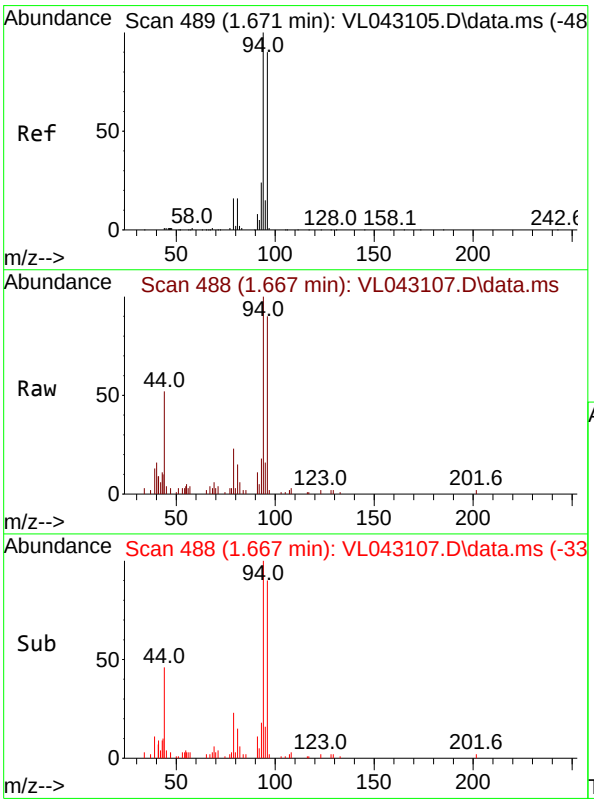
#5
Vinyl Chloride
Concen: 1.008 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 5694

Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.6	36.8

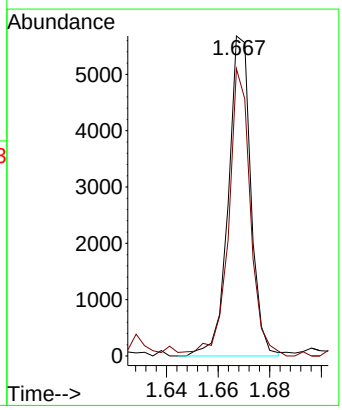


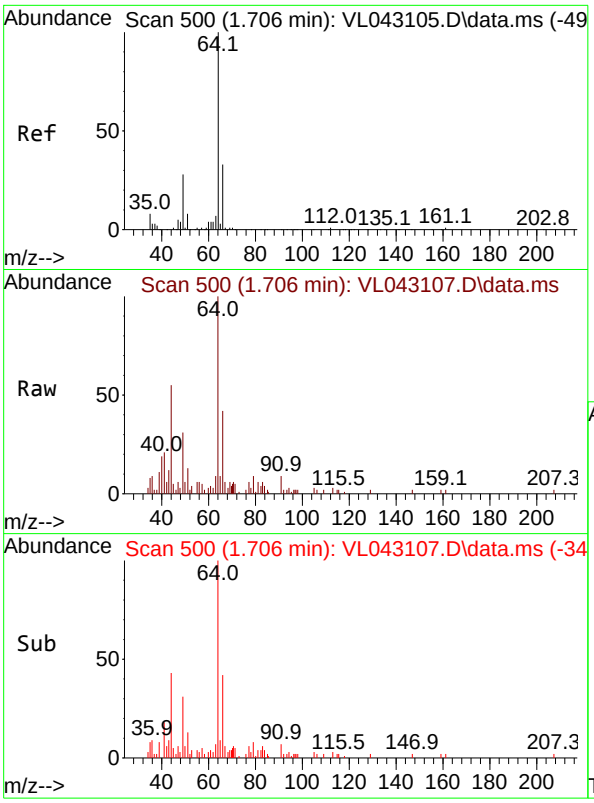


#6
Bromomethane
Concen: 1.117 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 94 Resp: 3462

Ion	Ratio	Lower	Upper
94	100		
96	88.6	72.2	108.4



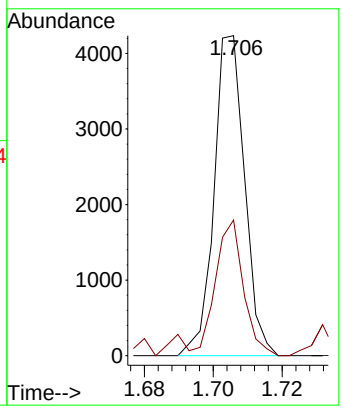


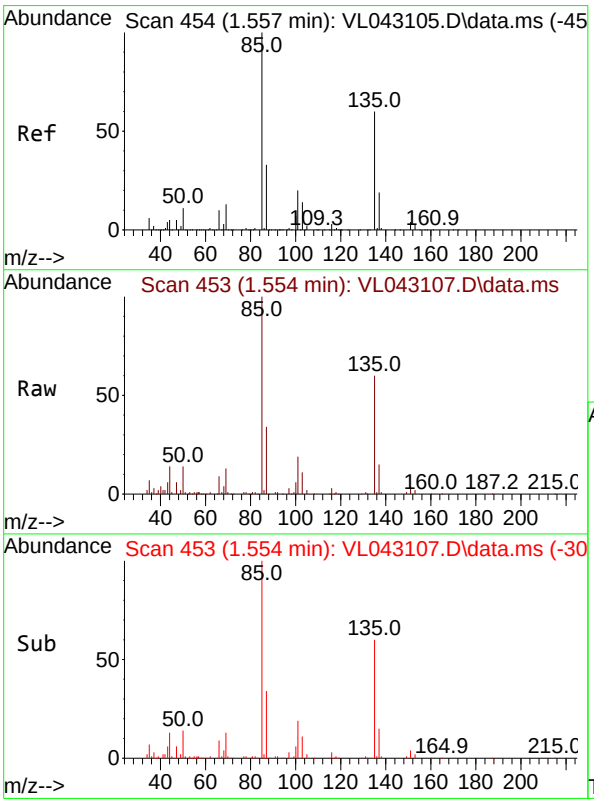
#7
Chloroethane
Concen: 1.132 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 2615

Ion	Ratio	Lower	Upper
64	100		
66	42.4	26.0	39.0#

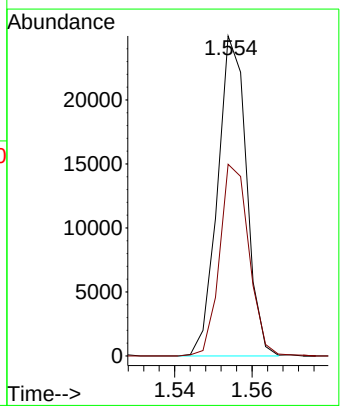


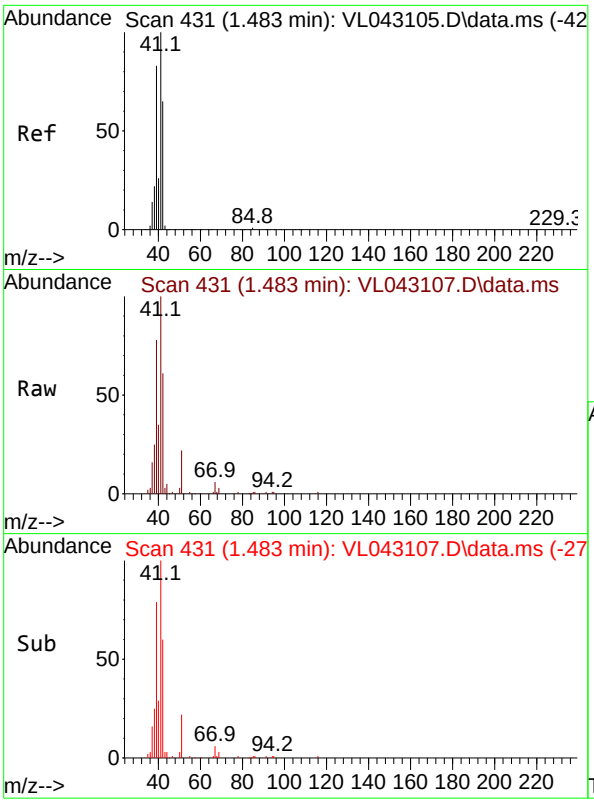


#8
Dichlorotetrafluoroethane
Concen: 1.101 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 85 Resp: 12940

Ion	Ratio	Lower	Upper
85	100		
135	61.5	48.2	72.4



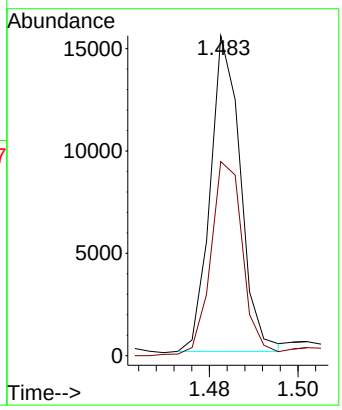


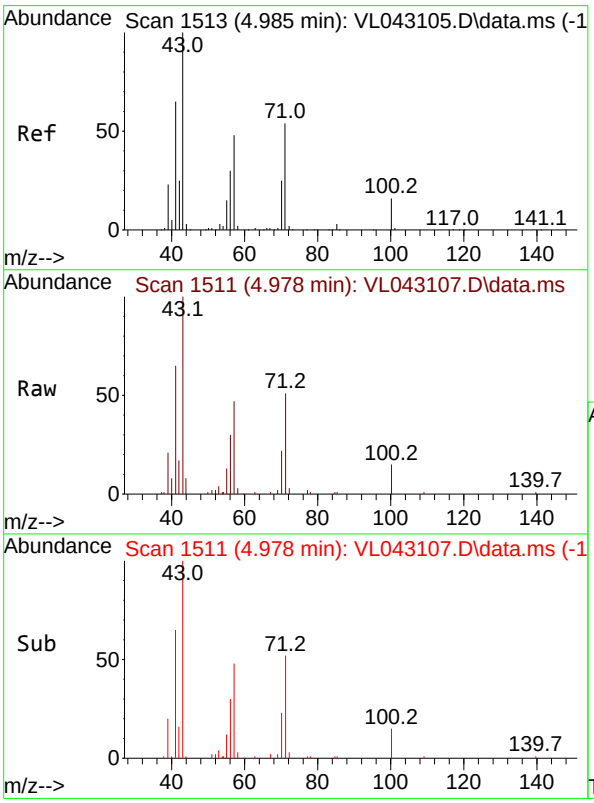
#9
Propene
Concen: 1.045 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 7291

Ion	Ratio	Lower	Upper
41	100		
42	68.5	55.1	82.7

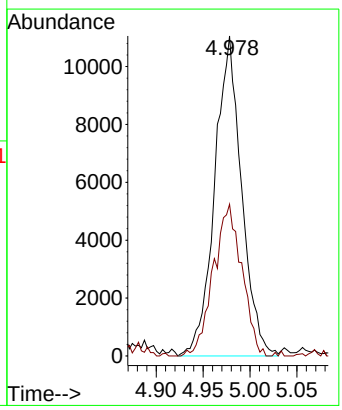


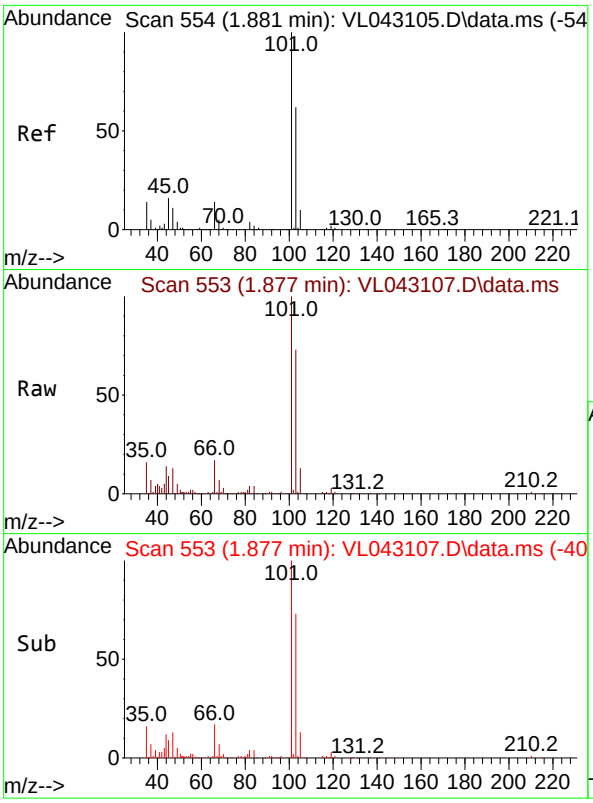


#10
Heptane
Concen: 1.100 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 22011

Ion	Ratio	Lower	Upper
43	100		
57	50.4	40.8	61.2



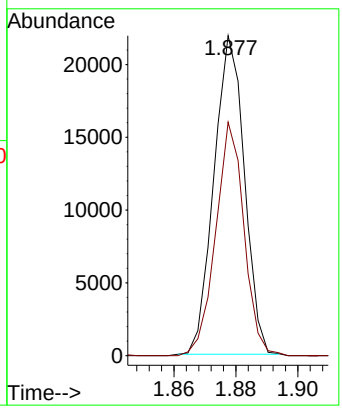


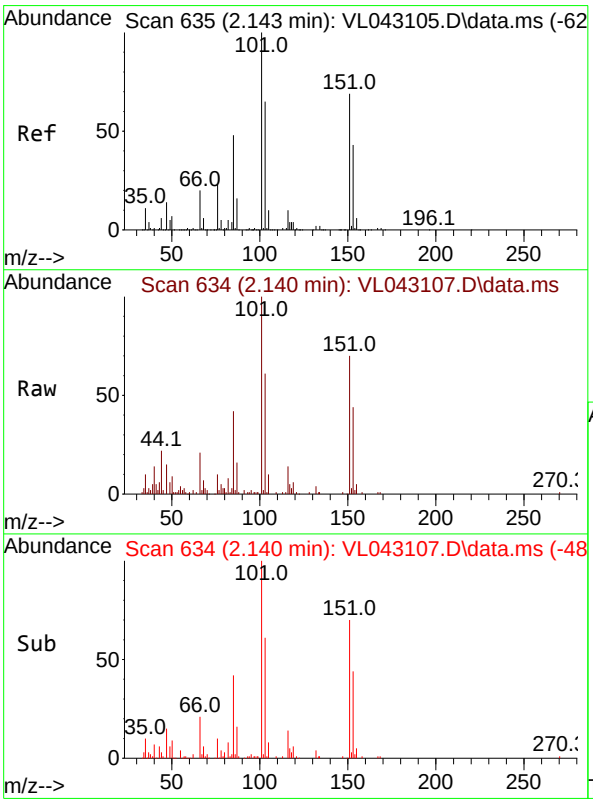
#11
Trichlorofluoromethane
Concen: 1.049 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 14927

Ion	Ratio	Lower	Upper
101	100		
103	73.3	49.3	73.9

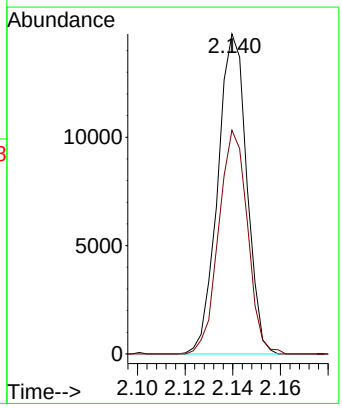


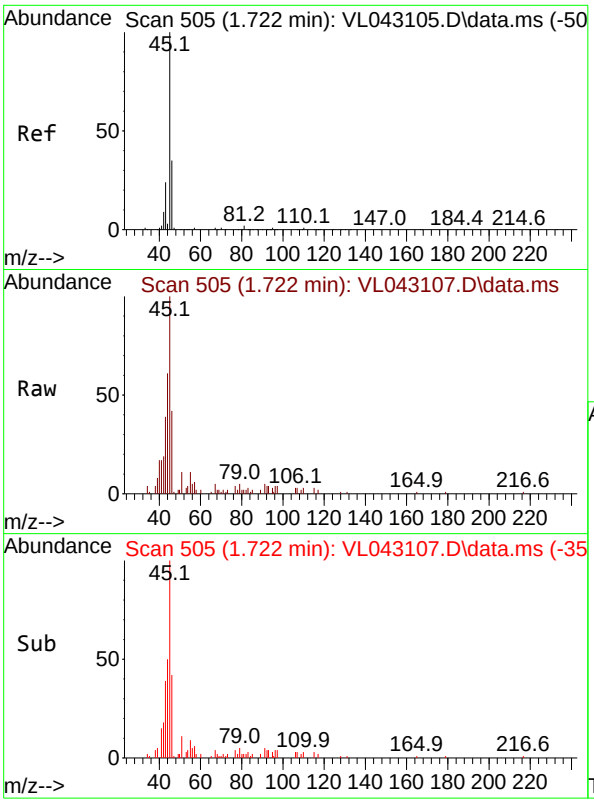


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.090 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:101 Resp: 12484

Ion	Ratio	Lower	Upper
101	100		
151	69.5	54.7	82.1



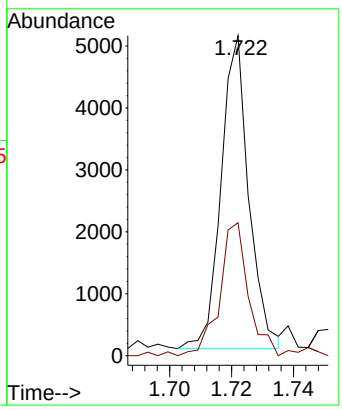


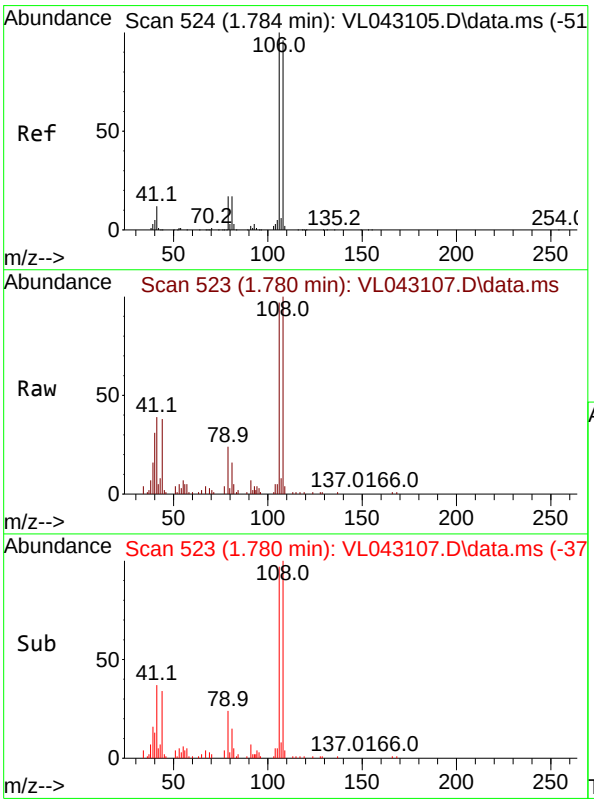
#13
Ethanol
Concen: 1.217 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 3143

Ion	Ratio	Lower	Upper
45	100		
46	46.7	14.7	58.9

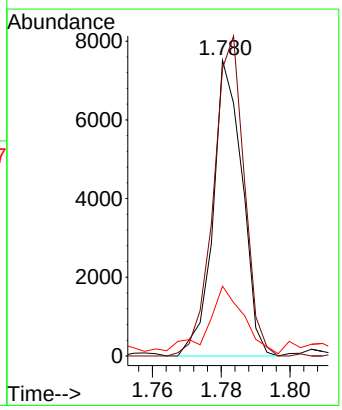


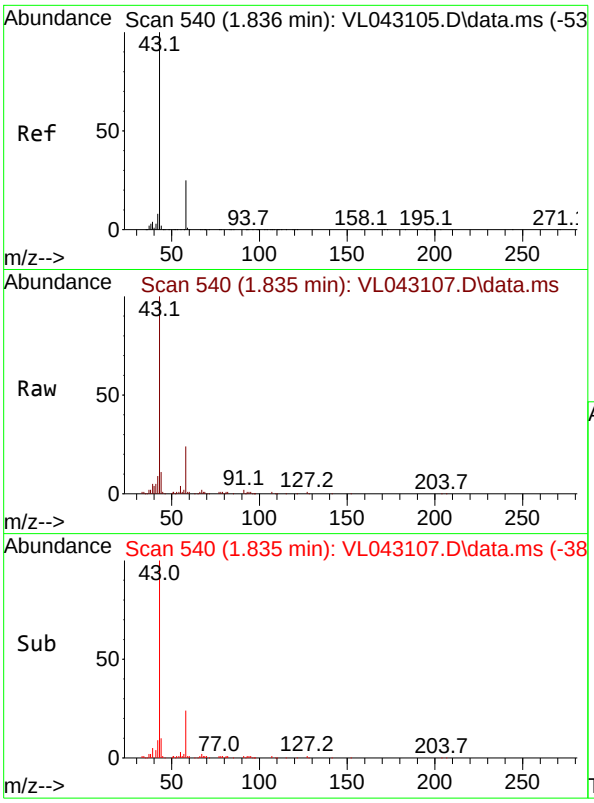


#14
Bromoethene
Concen: 1.043 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:108 Resp: 4440

Ion	Ratio	Lower	Upper
108	100		
106	113.7	84.4	126.6
79	28.9	15.3	22.9#



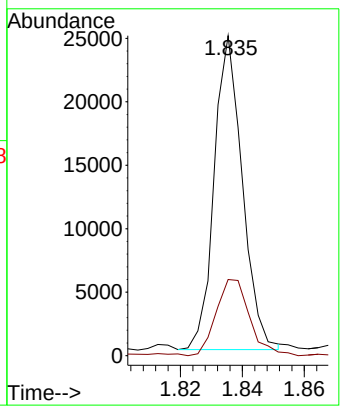


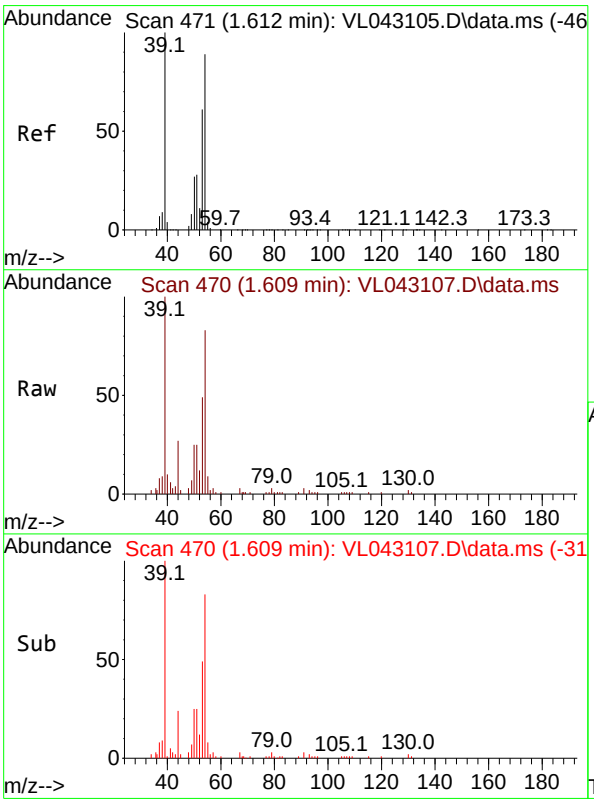
#15
Acetone
Concen: 1.123 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15572

Ion	Ratio	Lower	Upper
43	100		
58	31.0	20.8	31.2

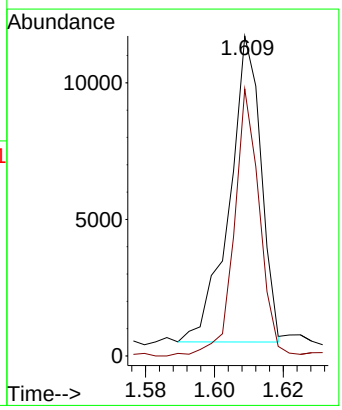


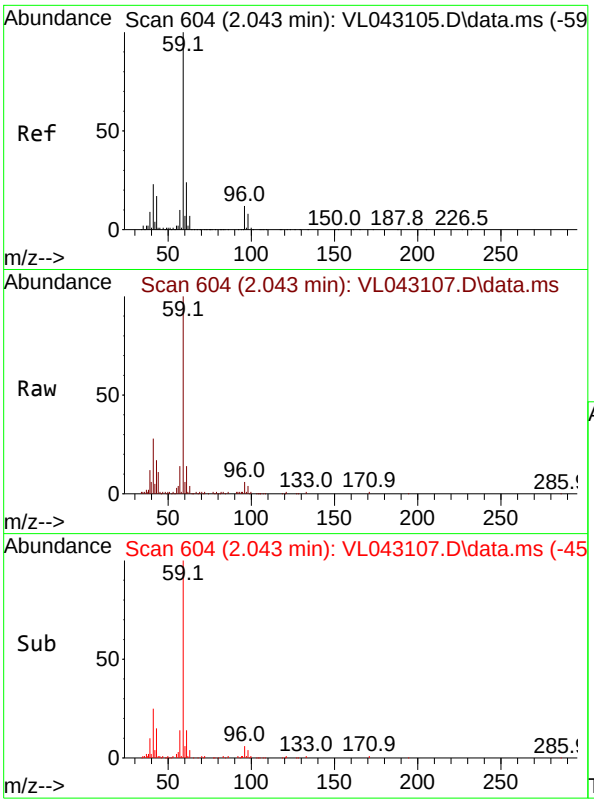


#16
1,3-Butadiene
Concen: 1.089 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 39 Resp: 7157

Ion	Ratio	Lower	Upper
39	100		
54	70.8	59.0	88.4



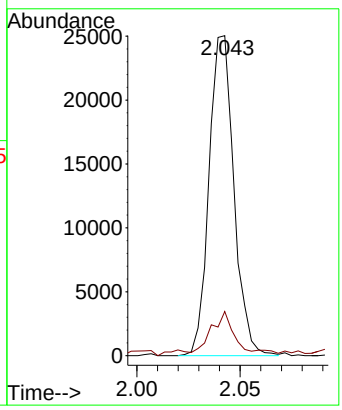


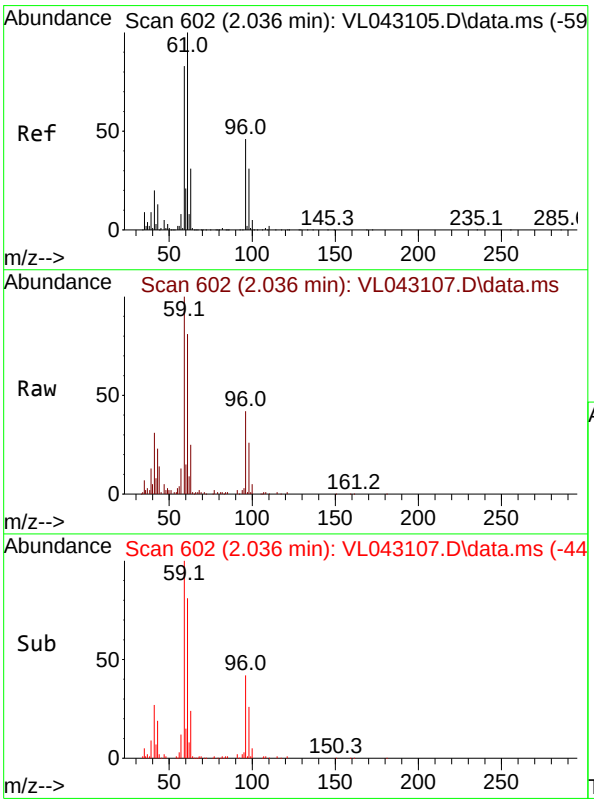
#17
tert-Butyl alcohol
Concen: 1.106 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 20941

Ion	Ratio	Lower	Upper
59	100		
57	14.0	8.2	12.4#

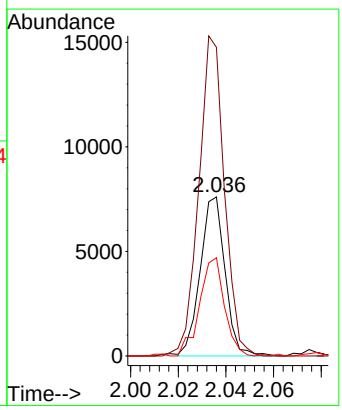


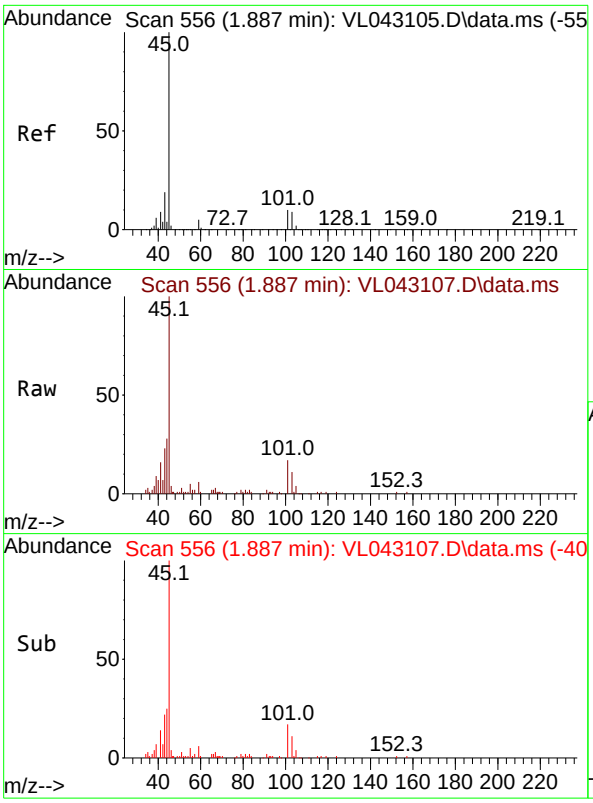


#18
1,1-Dichloroethene
Concen: 1.103 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 96 Resp: 5510

Ion	Ratio	Lower	Upper
96	100		
61	194.0	173.4	260.0
98	61.7	53.2	79.8



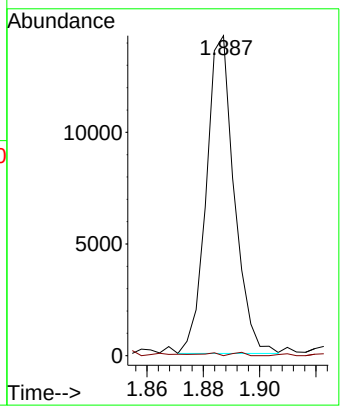


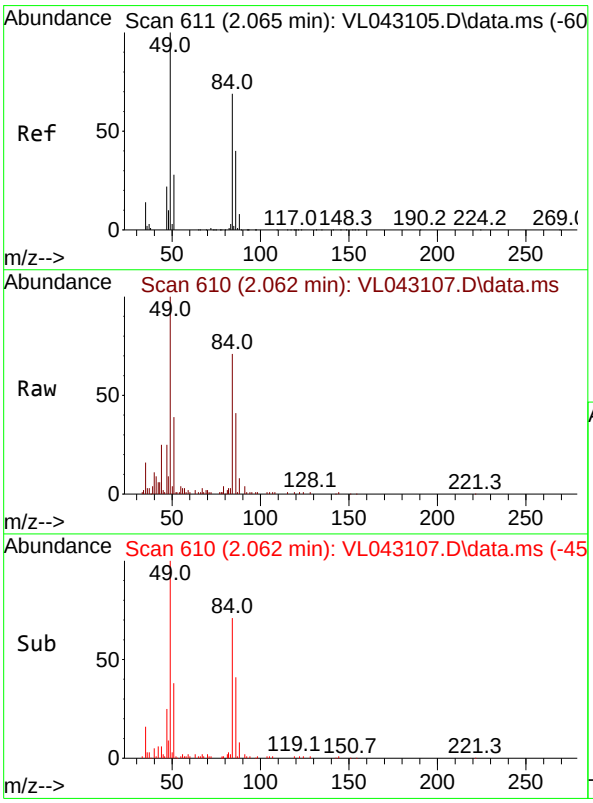
#19
Isopropyl Alcohol
Concen: 1.141 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 9796

Ion	Ratio	Lower	Upper
45	100		
58	48.1	31.3	46.9#

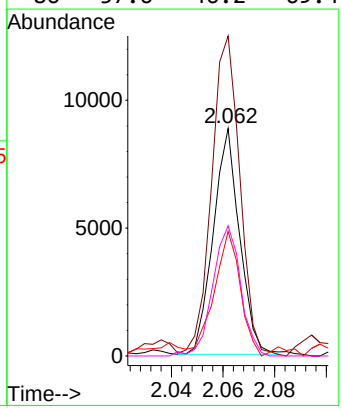


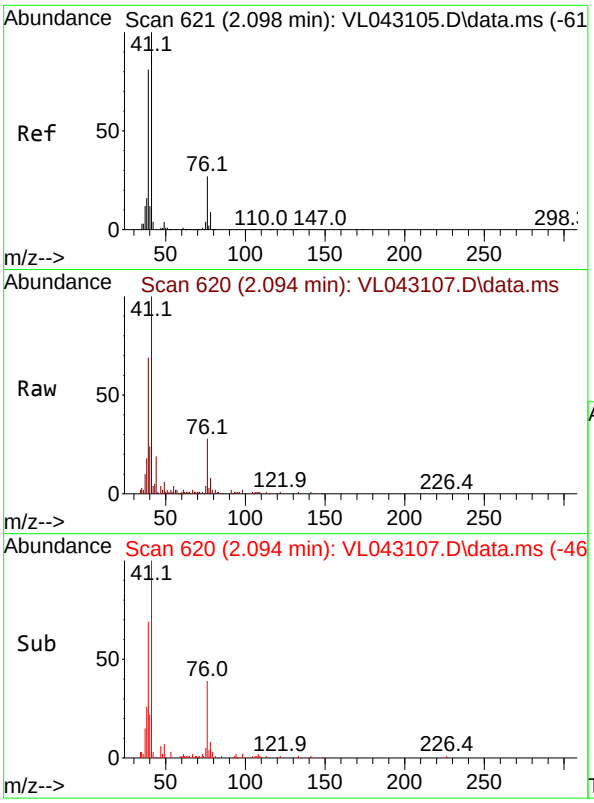


#20
Methylene Chloride
Concen: 1.149 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 84 Resp: 6261

Ion	Ratio	Lower	Upper
84	100		
49	140.9	116.6	175.0
51	51.2	34.8	52.2
86	57.6	46.2	69.4



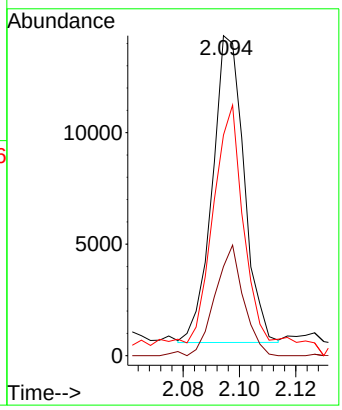


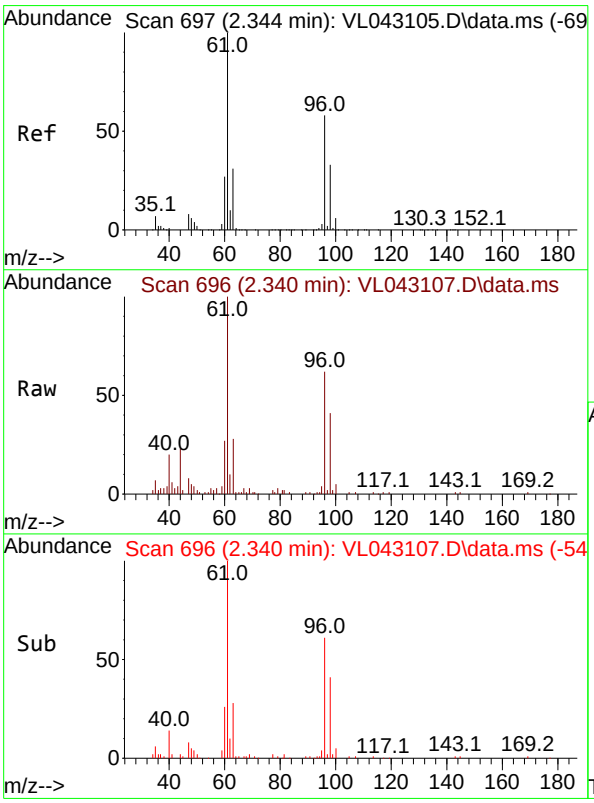
#21
Allyl Chloride
Concen: 1.055 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 10737

Ion	Ratio	Lower	Upper
41	100		
76	32.6	21.5	32.3#
39	94.1	60.8	91.2#

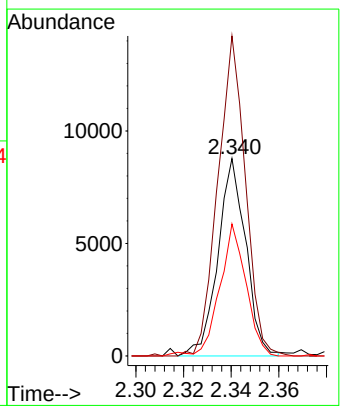


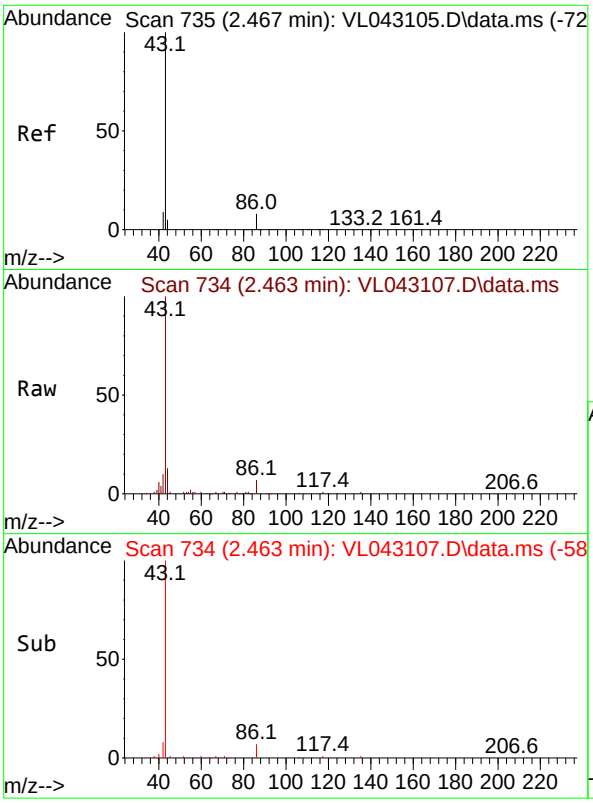


#22
trans-1,2-Dichloroethene
Concen: 1.193 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 96 Resp: 7119

Ion	Ratio	Lower	Upper
96	100		
61	162.1	137.0	205.6
98	66.9	45.5	68.3



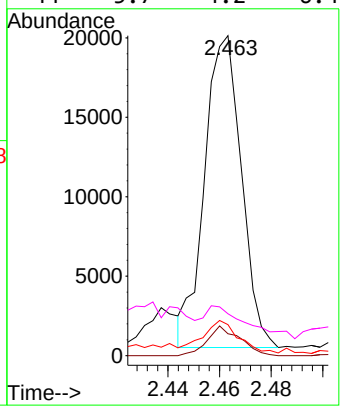


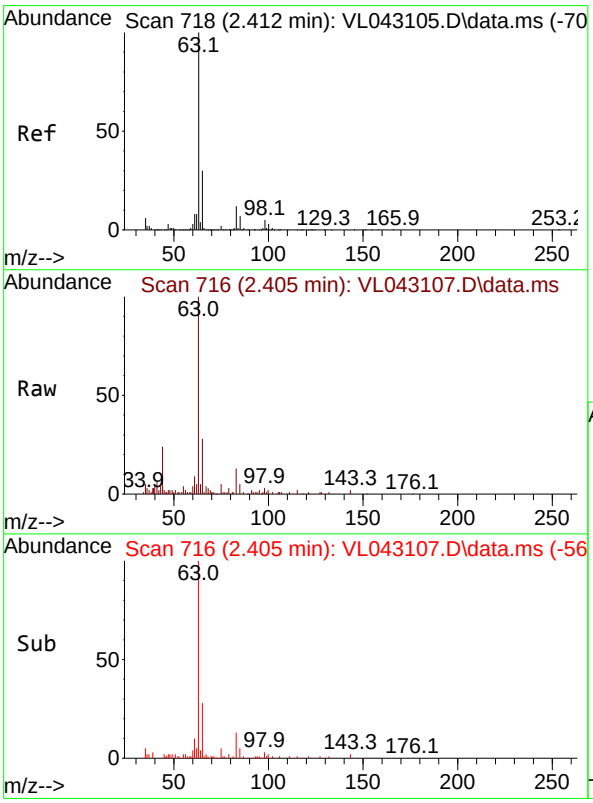
#23
Vinyl Acetate
Concen: 0.964 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 19477

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.2
42	9.1	7.6	11.4
44	5.7	4.2	6.4

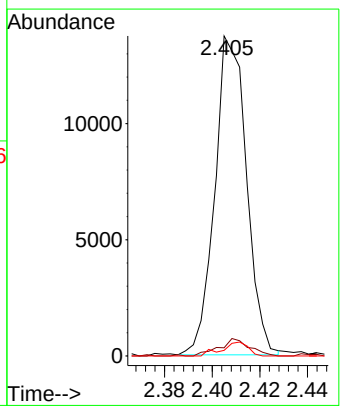


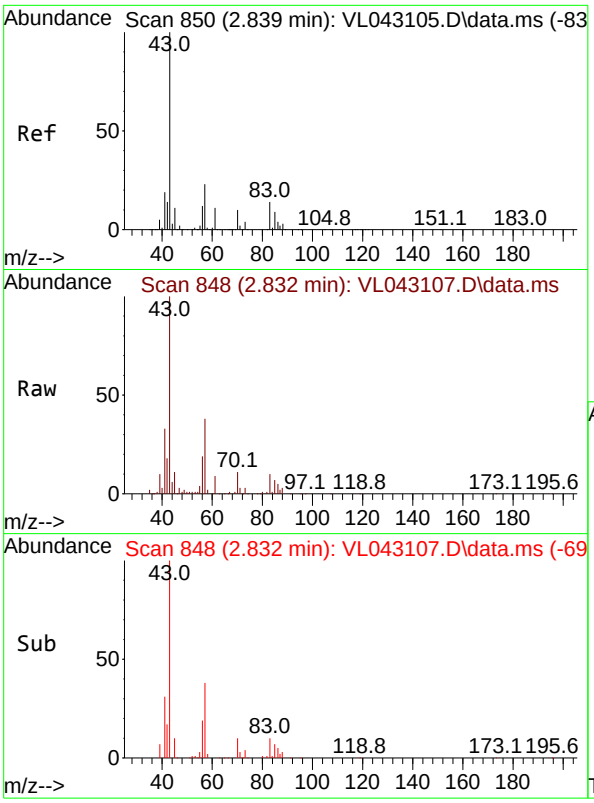


#24
1,1-Dichloroethane
Concen: 1.097 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 63 Resp: 12656

Ion	Ratio	Lower	Upper
63	100		
98	2.6	2.6	7.8#
100	1.7	1.5	4.4



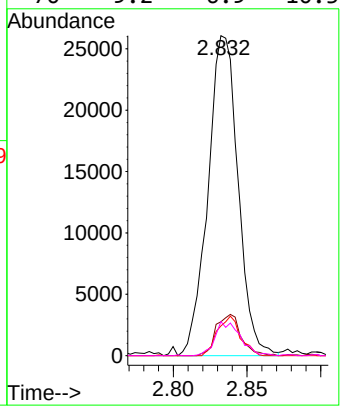


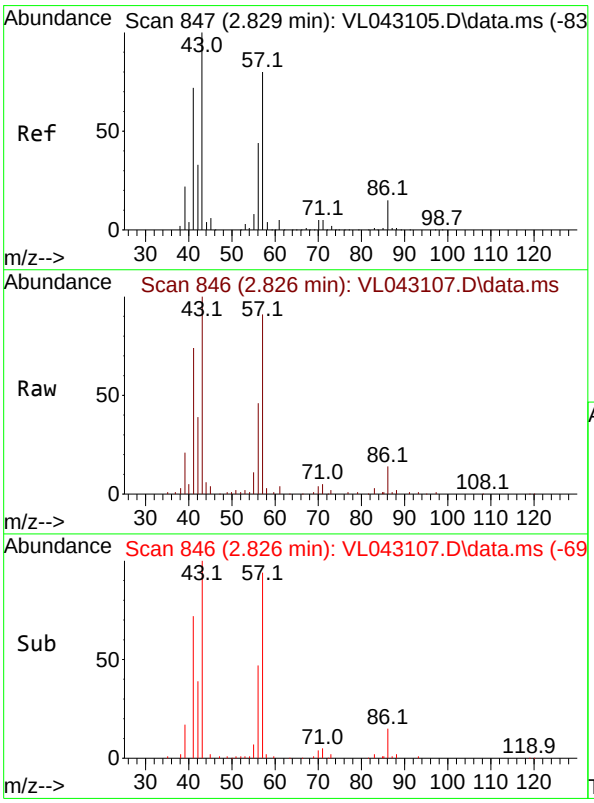
#25
Ethyl Acetate
Concen: 1.085 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 37093

Ion	Ratio	Lower	Upper
43	100		
45	10.8	7.8	11.8
61	9.4	7.0	10.6
70	9.2	6.9	10.3

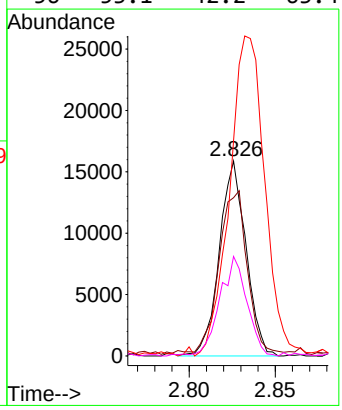


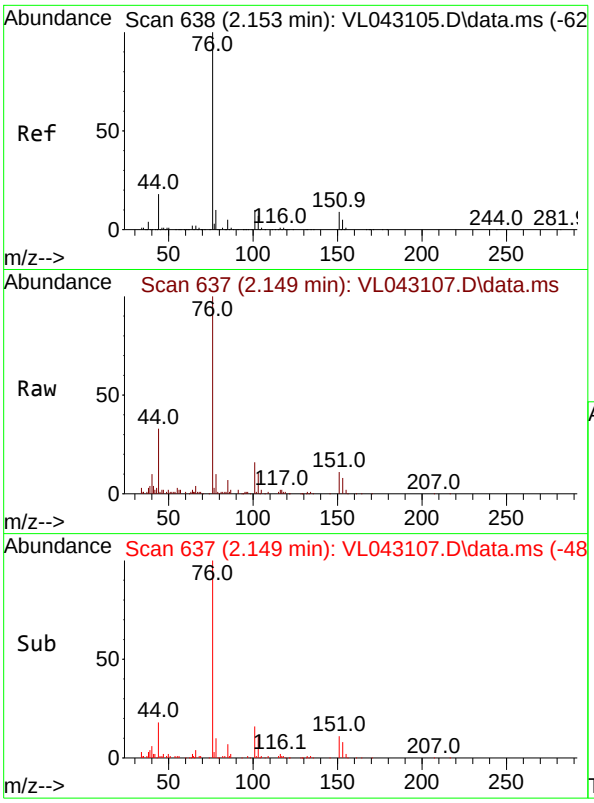


#26
Hexane
Concen: 1.089 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 57 Resp: 17152

Ion	Ratio	Lower	Upper
57	100		
41	91.8	71.4	107.0
43	219.3	178.5	267.7
56	53.1	42.2	63.4



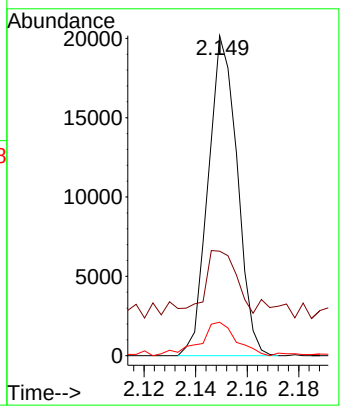


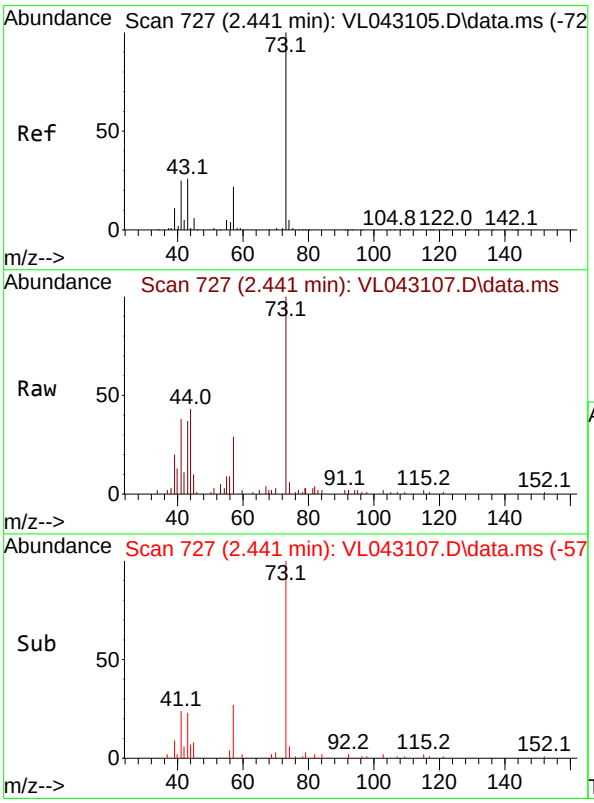
#27
Carbon Disulfide
Concen: 1.092 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 15760

Ion	Ratio	Lower	Upper
76	100		
44	47.9	16.7	25.1#
78	14.2	9.3	13.9#

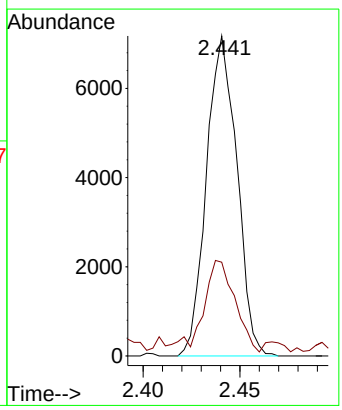


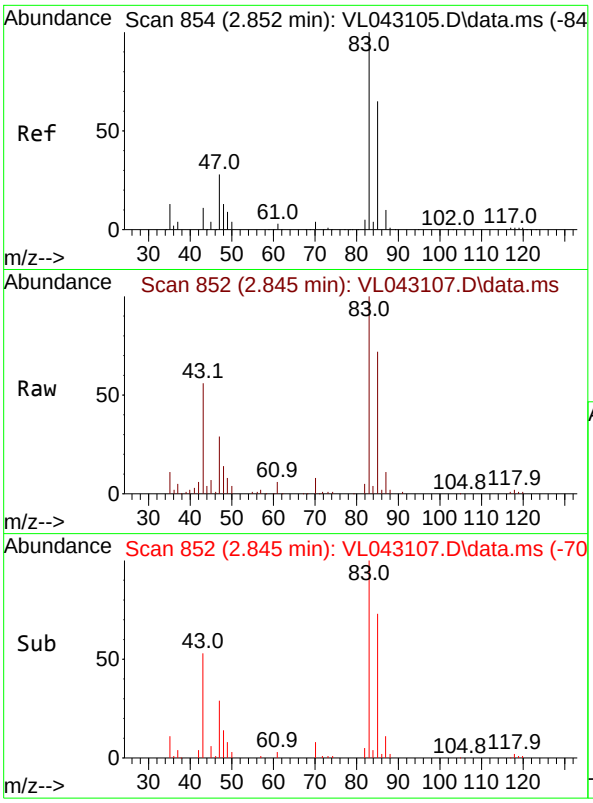


#28
Methyl tert-Butyl Ether
Concen: 1.095 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 73 Resp: 7847

Ion	Ratio	Lower	Upper
73	100		
57	32.3	20.5	30.7#



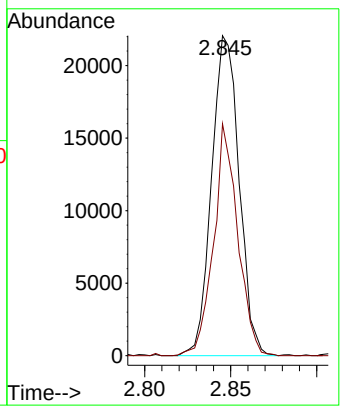


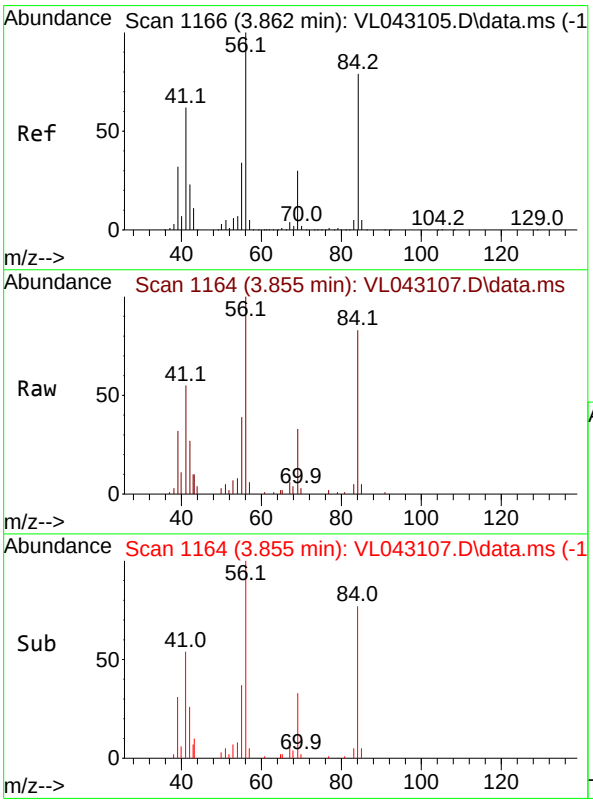
#29
Chloroform
Concen: 1.074 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 24527

Ion	Ratio	Lower	Upper
83	100		
85	72.4	51.8	77.6

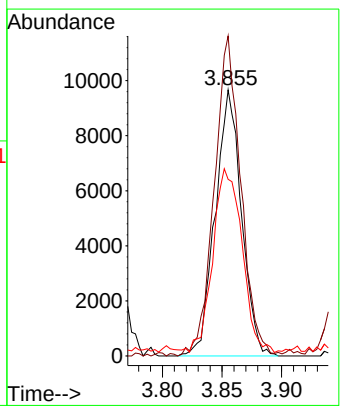


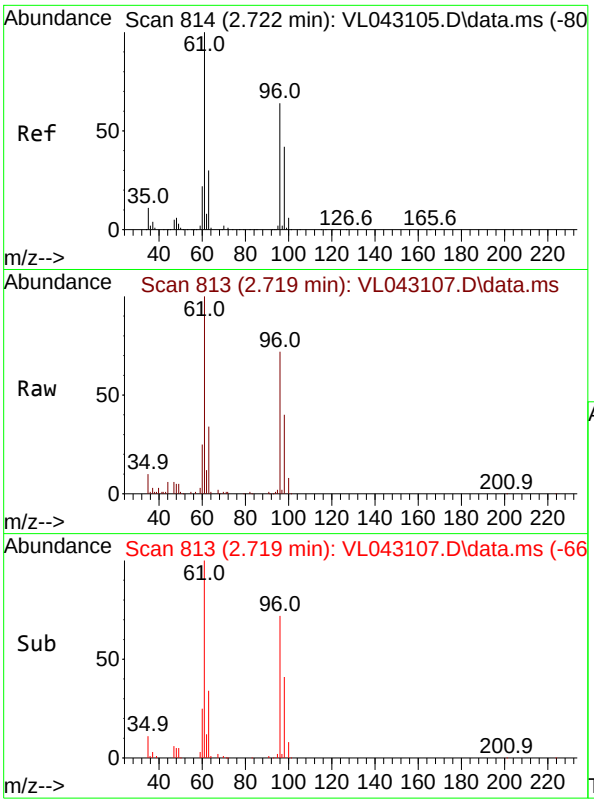


#30
Cyclohexane
Concen: 1.078 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 84 Resp: 14819

Ion	Ratio	Lower	Upper
84	100		
56	122.3	100.9	151.3
41	78.1	63.8	95.6



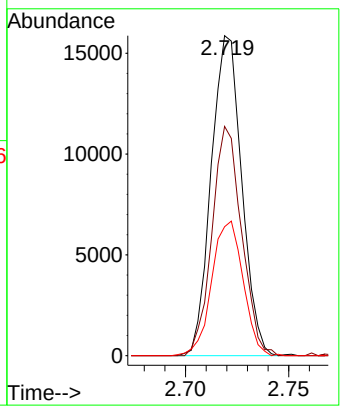


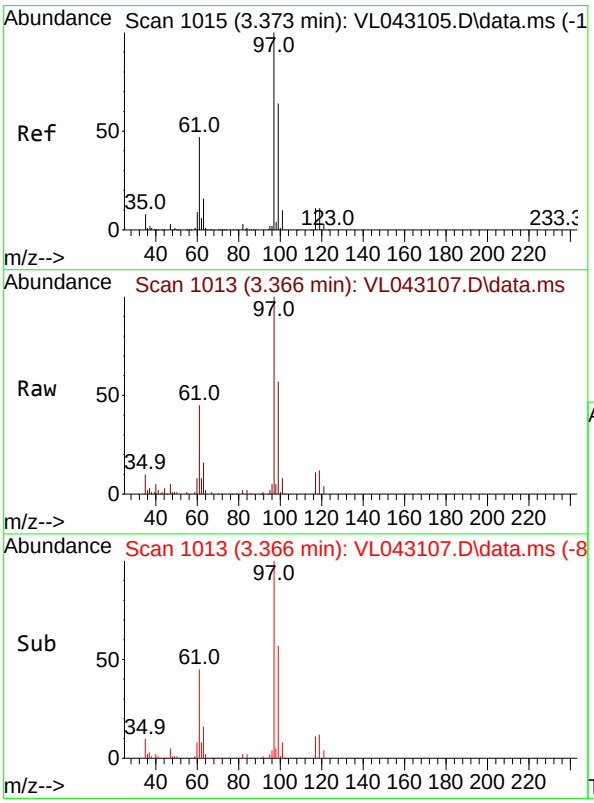
#31
cis-1,2-Dichloroethene
Concen: 1.084 ppbv
RT: 2.719 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 16311

Ion	Ratio	Lower	Upper
61	100		
96	71.6	51.0	76.6
98	39.9	33.5	50.3

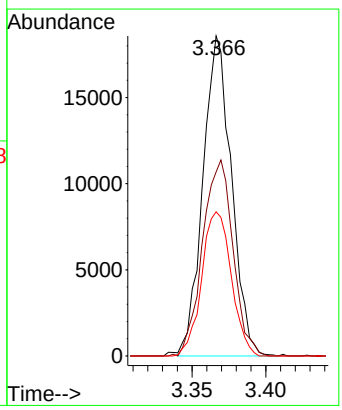


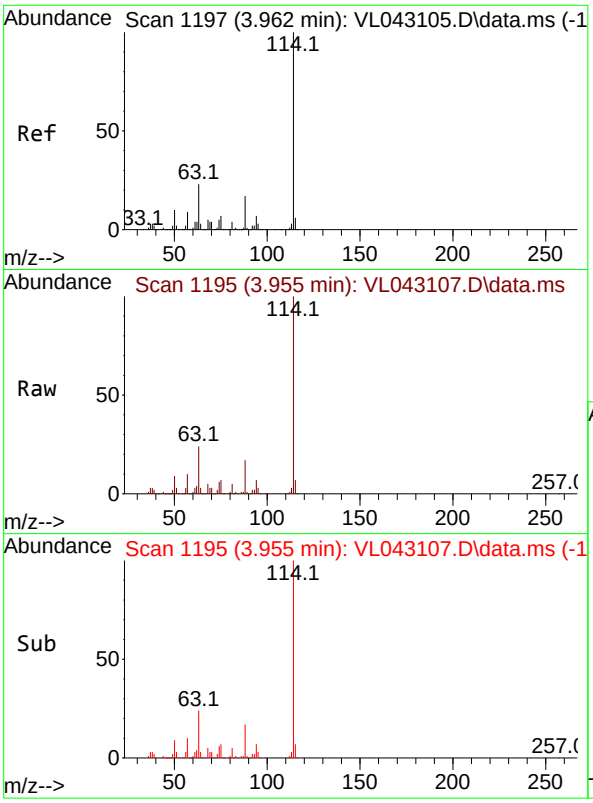


#32
1,1,1-Trichloroethane
Concen: 1.049 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 97 Resp: 24948

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.3	76.9
61	46.8	38.4	57.6



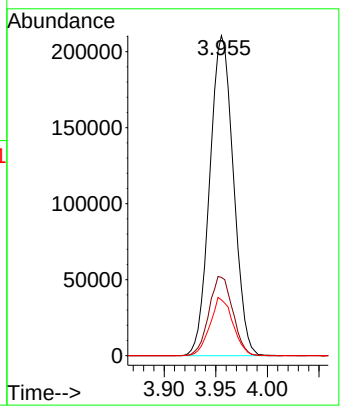


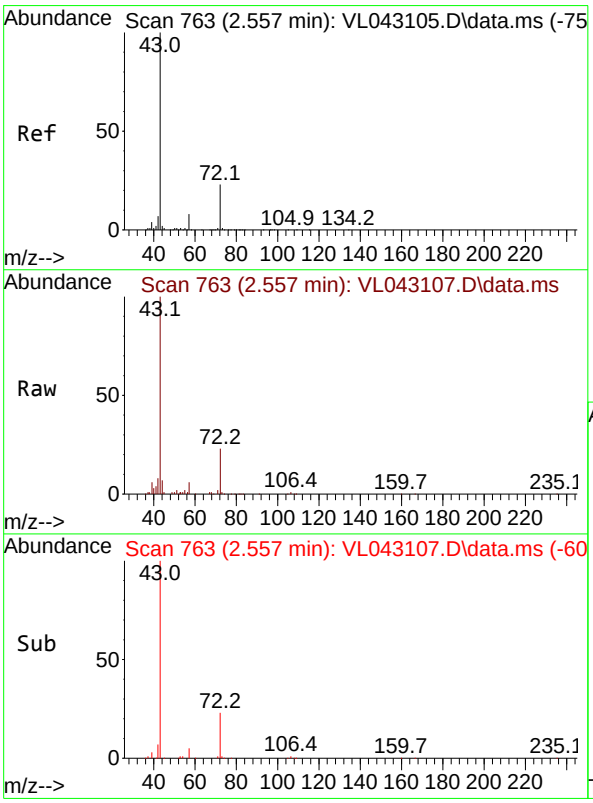
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 336268

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.3	28.9
88	17.6	13.9	20.9

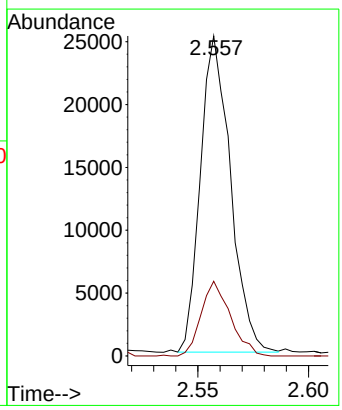


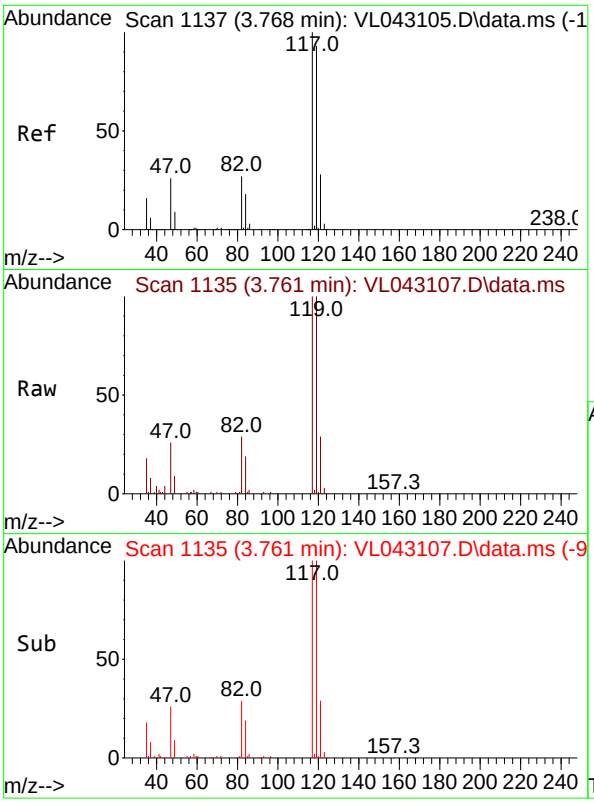


#34
2-Butanone
Concen: 1.047 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 23811

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6



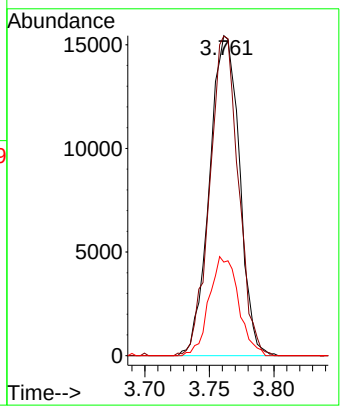


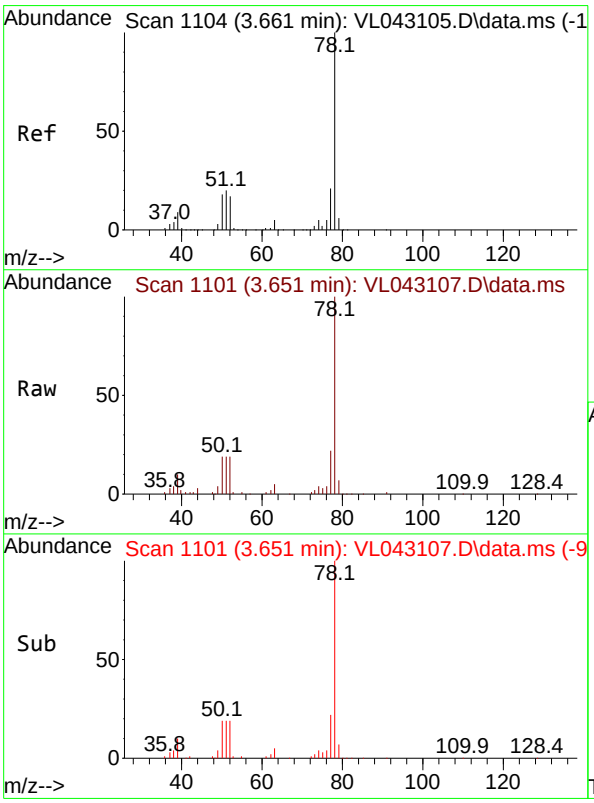
#35
Carbon Tetrachloride
Concen: 1.033 ppbv
RT: 3.761 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 24969

Ion	Ratio	Lower	Upper
117	100		
119	99.8	74.1	111.1
121	29.3	22.2	33.2

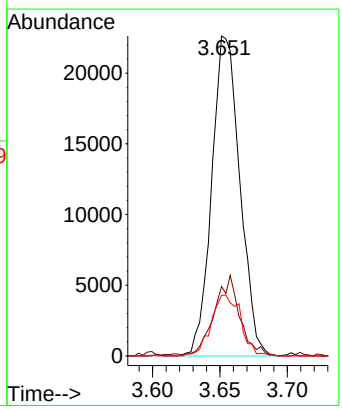


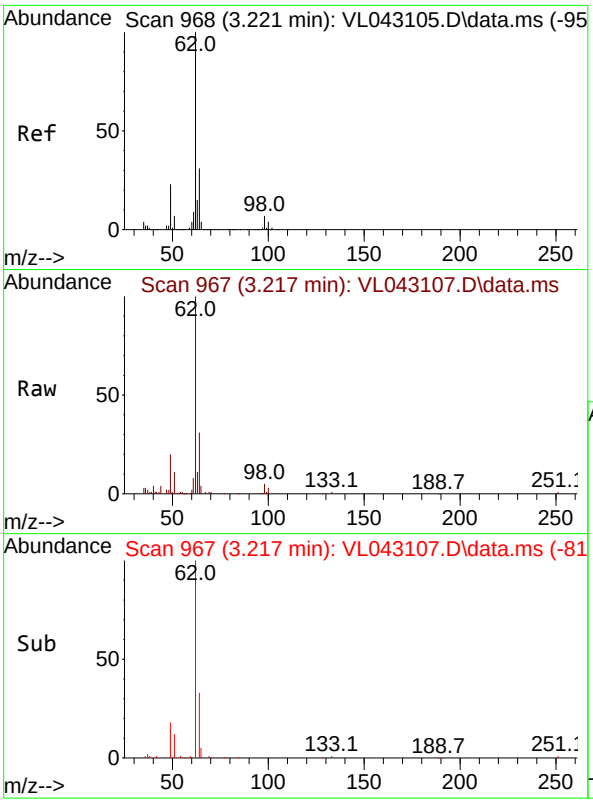


#36
Benzene
Concen: 1.040 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 78 Resp: 32940

Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.0	25.6
50	18.9	14.6	22.0



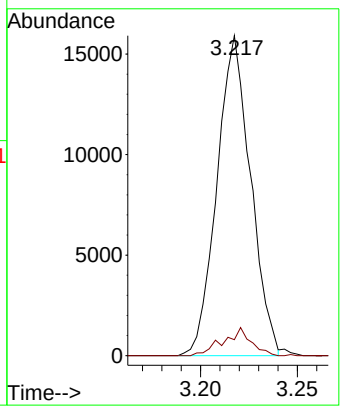


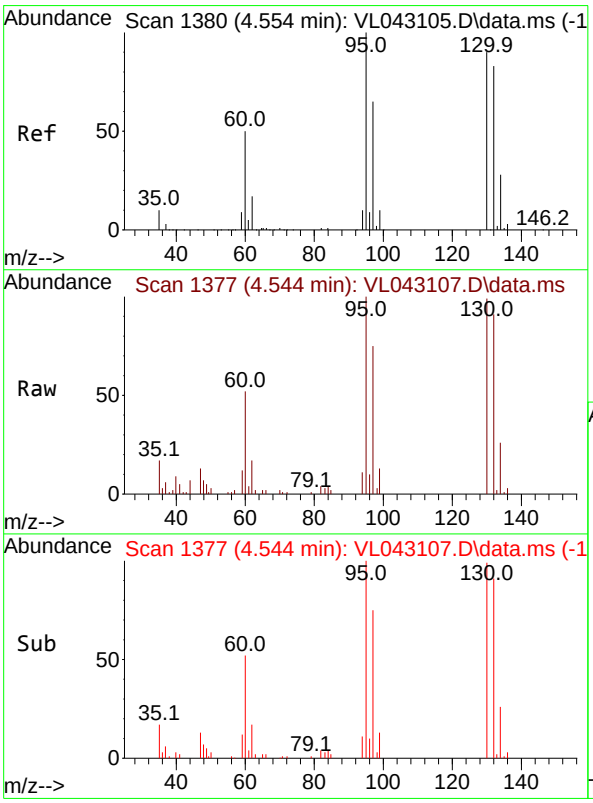
#37
1,2-Dichloroethane
Concen: 1.053 ppbv
RT: 3.217 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 19213

Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.8	8.6

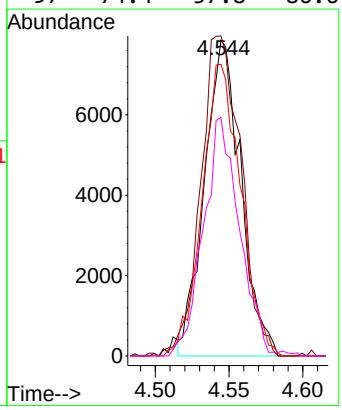


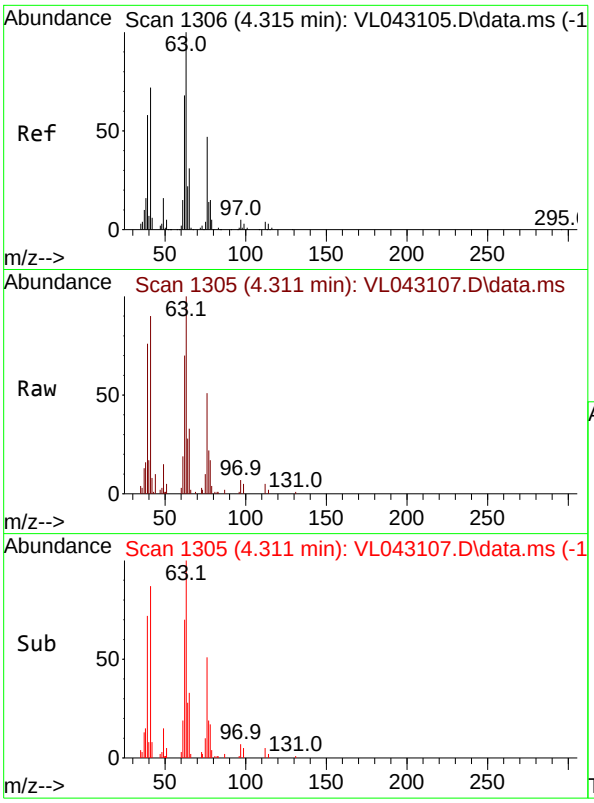


#38
Trichloroethene
Concen: 1.023 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:130 Resp: 13512

Ion	Ratio	Lower	Upper
130	100		
95	101.4	88.6	133.0
132	91.5	73.4	110.0
97	74.4	57.8	86.6



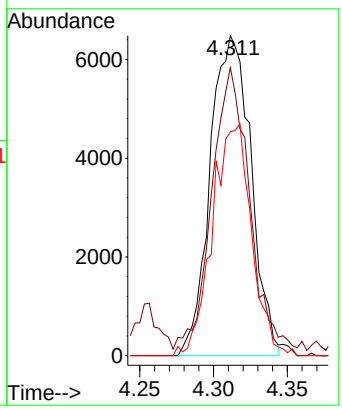


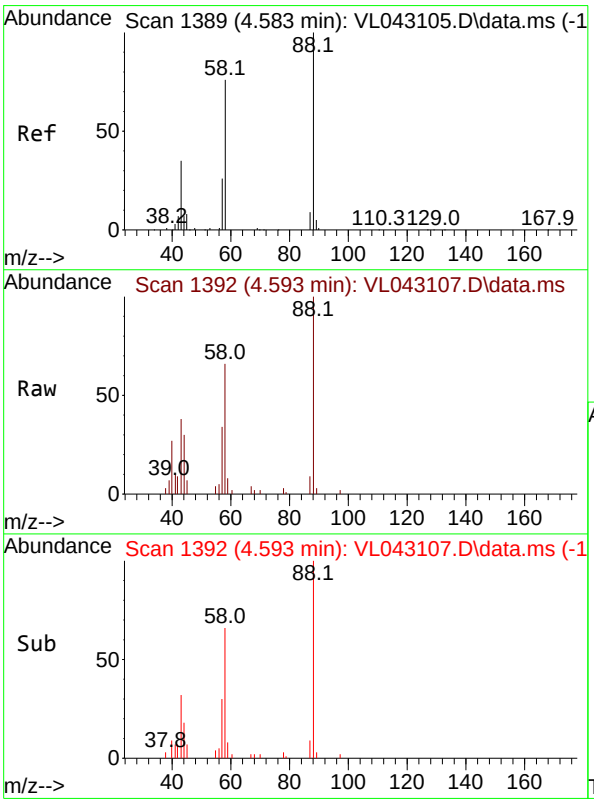
#39
1,2-Dichloropropane
Concen: 1.073 ppbv
RT: 4.311 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 12435

Ion	Ratio	Lower	Upper
63	100		
41	84.3	58.0	87.0
62	67.2	54.7	82.1

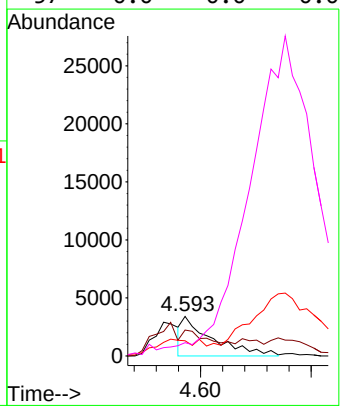


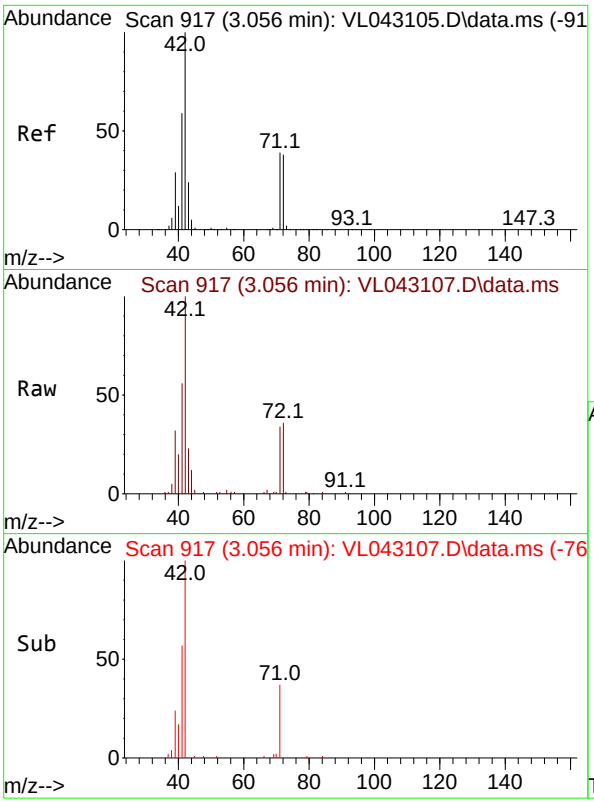


#40
1,4-Dioxane
Concen: 0.622 ppbv
RT: 4.593 min Scan# 1392
Delta R.T. 0.009 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 88 Resp: 3225

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	0.0	24.0	36.0#
57	0.0	0.0	0.0



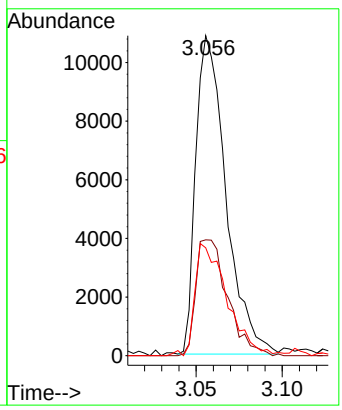


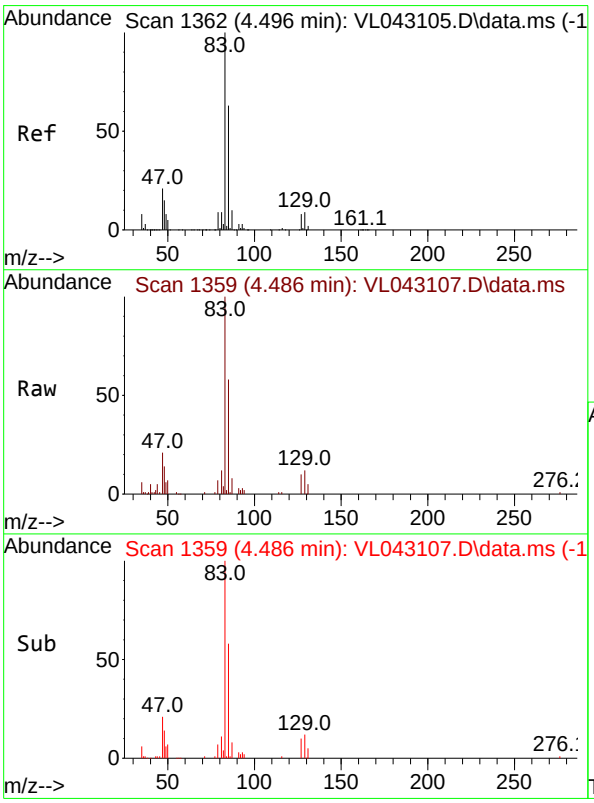
#41
Tetrahydrofuran
Concen: 1.044 ppbv
RT: 3.056 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 13251

Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.3	46.9
71	38.6	30.4	45.6

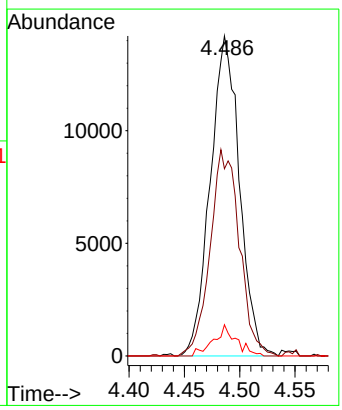


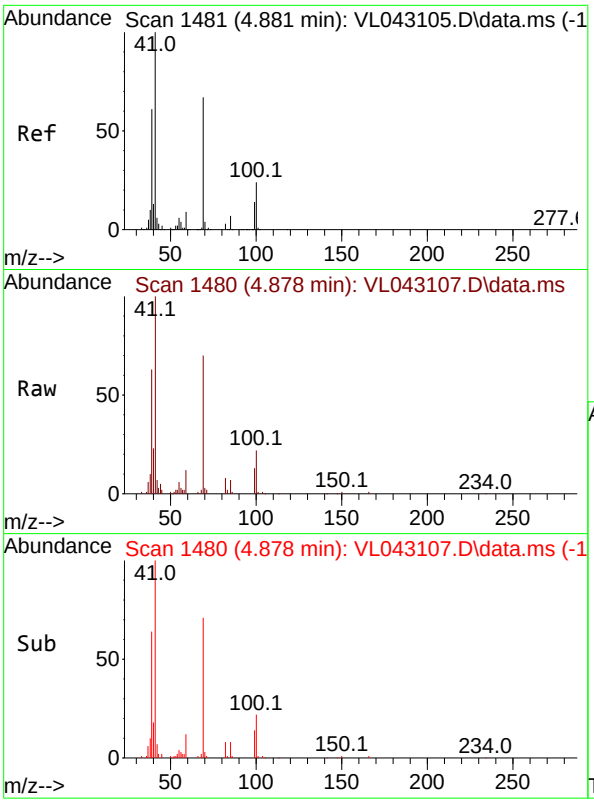


#42
Bromodichloromethane
Concen: 1.032 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 83 Resp: 26069

Ion	Ratio	Lower	Upper
83	100		
85	58.5	50.6	75.8
127	9.8	6.3	9.5#



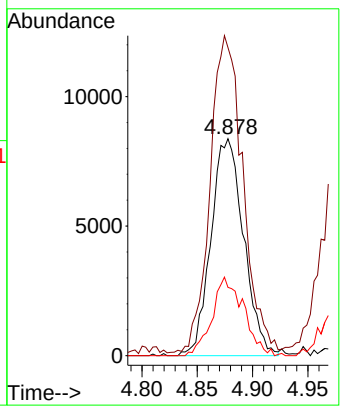


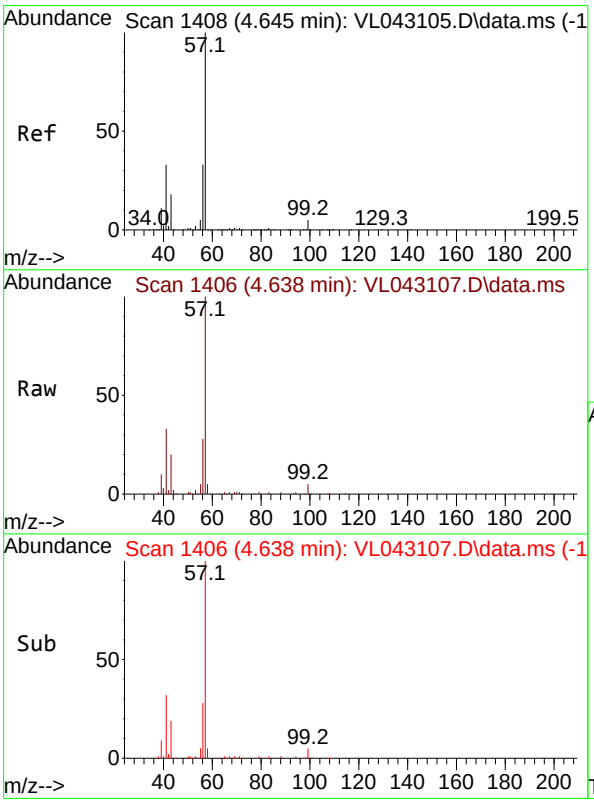
#43
Methyl Methacrylate
Concen: 1.064 ppbv
RT: 4.878 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 17195

Ion	Ratio	Lower	Upper
69	100		
41	145.9	120.5	180.7
100	35.0	29.0	43.4

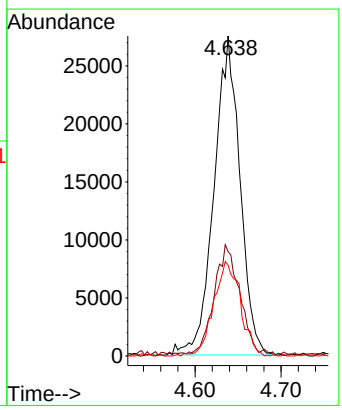


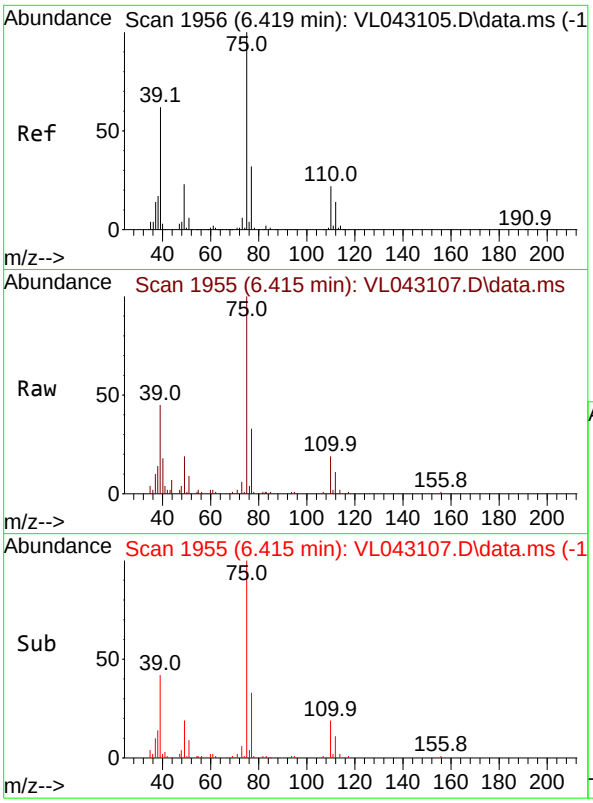


#44
2,2,4-Trimethylpentane
Concen: 1.084 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 57 Resp: 57382

Ion	Ratio	Lower	Upper
57	100		
41	35.4	26.3	39.5
56	30.7	25.9	38.9



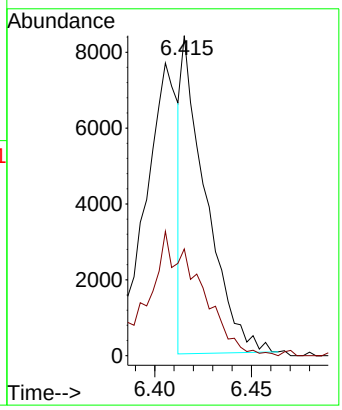


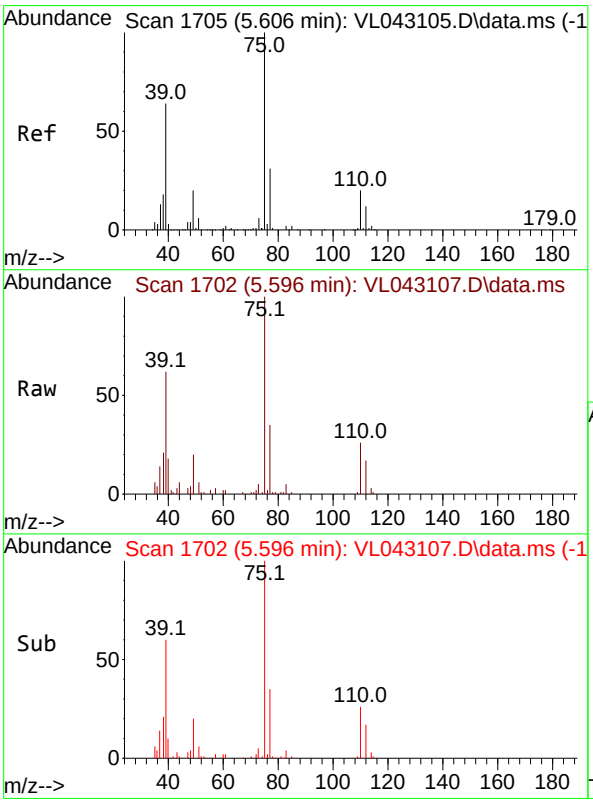
#45
t-1,3-Dichloropropene
Concen: 0.452 ppbv
RT: 6.415 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 7304

Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.4	38.2

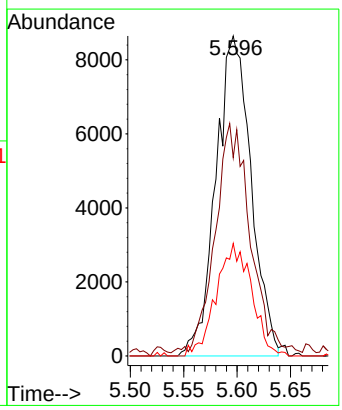


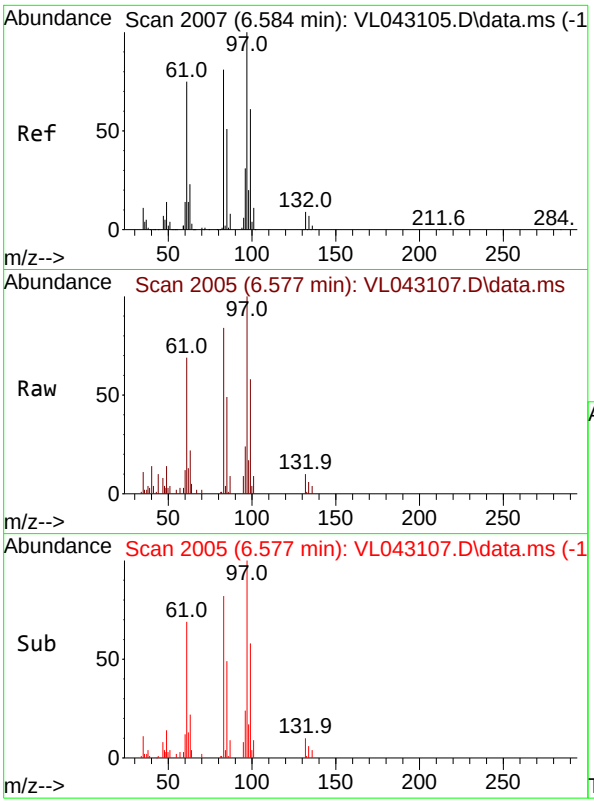


#46
cis-1,3-Dichloropropene
Concen: 1.029 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 75 Resp: 19830

Ion	Ratio	Lower	Upper
75	100		
39	59.6	51.0	76.6
77	35.1	25.0	37.4



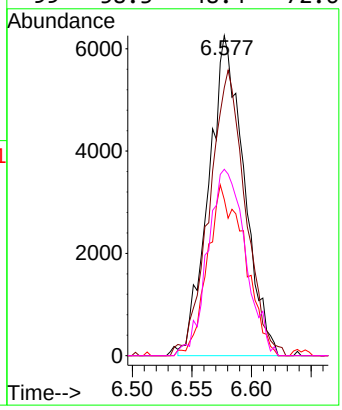


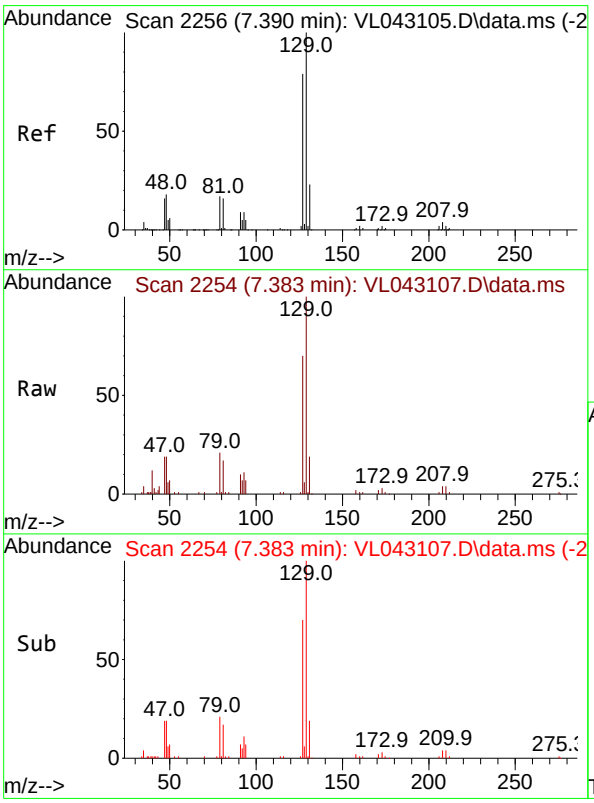
#47
1,1,2-Trichloroethane
Concen: 1.030 ppbv
RT: 6.577 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 12876

Ion	Ratio	Lower	Upper
97	100		
83	80.9	64.6	96.8
85	48.8	40.6	60.8
99	58.3	48.4	72.6

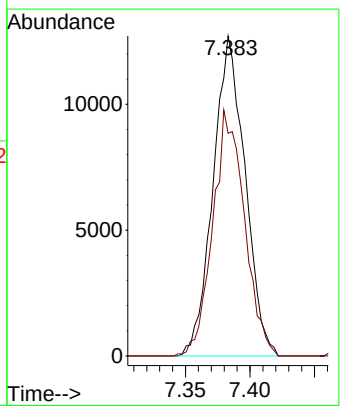


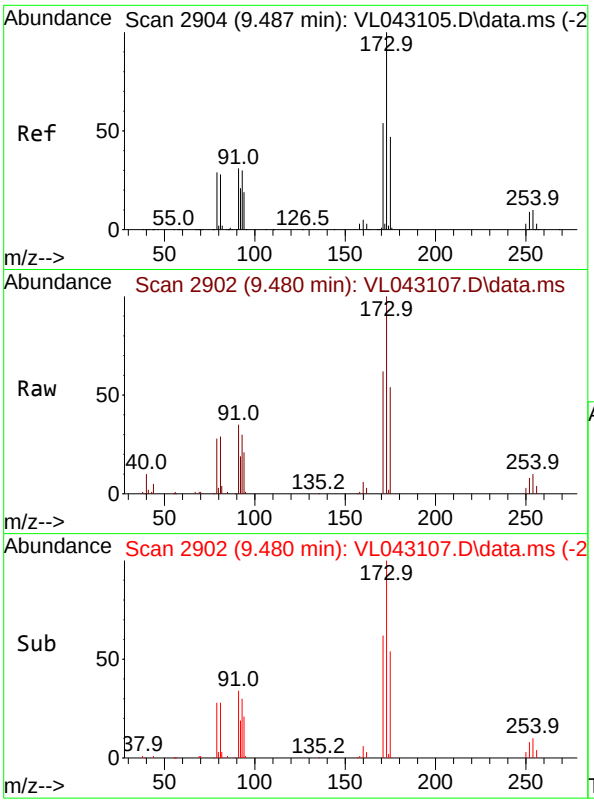


#48
Dibromochloromethane
Concen: 1.046 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:129 Resp: 21874

Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.3	117.9



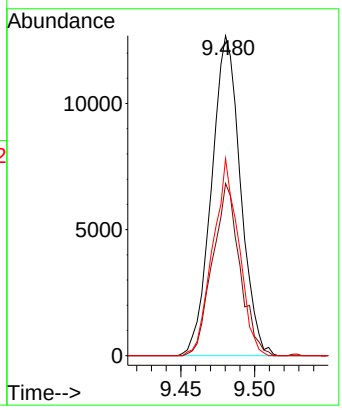


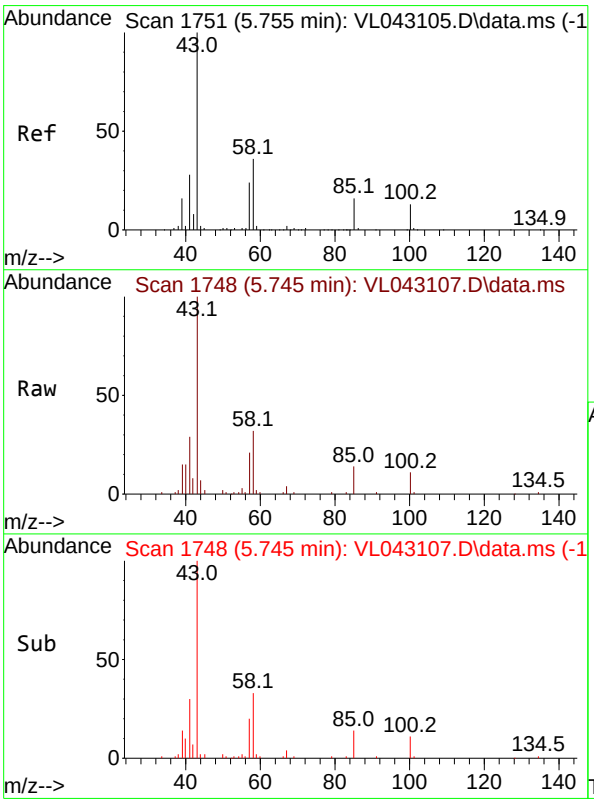
#49
Bromoform
Concen: 1.019 ppbv
RT: 9.480 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 17320

Ion	Ratio	Lower	Upper
173	100		
175	50.9	38.8	58.2
171	55.0	41.7	62.5

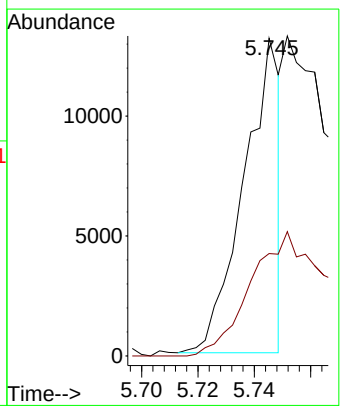


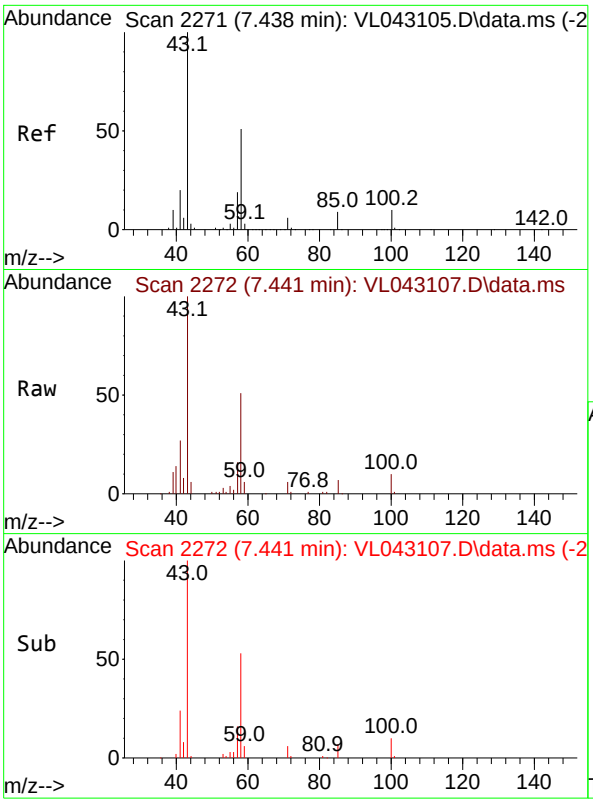


#50
4-Methyl-2-Pentanone
Concen: 0.371 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 11642

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#



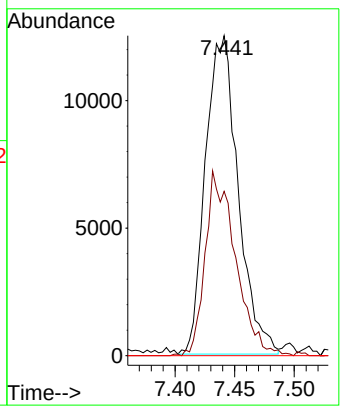


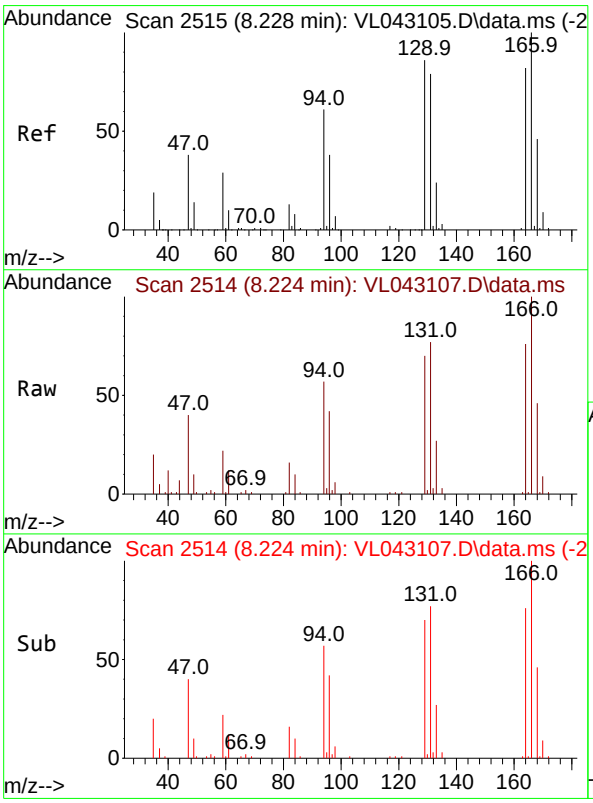
#51
2-Hexanone
Concen: 1.018 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 23817

Ion	Ratio	Lower	Upper
43	100		
58	53.7	40.4	60.6
98	0.0	0.1	0.1#

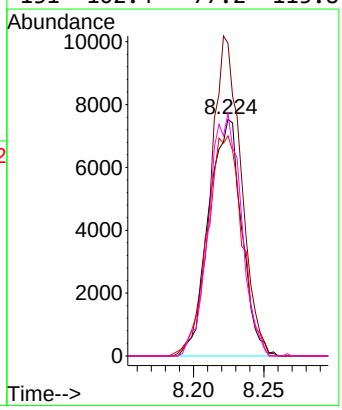


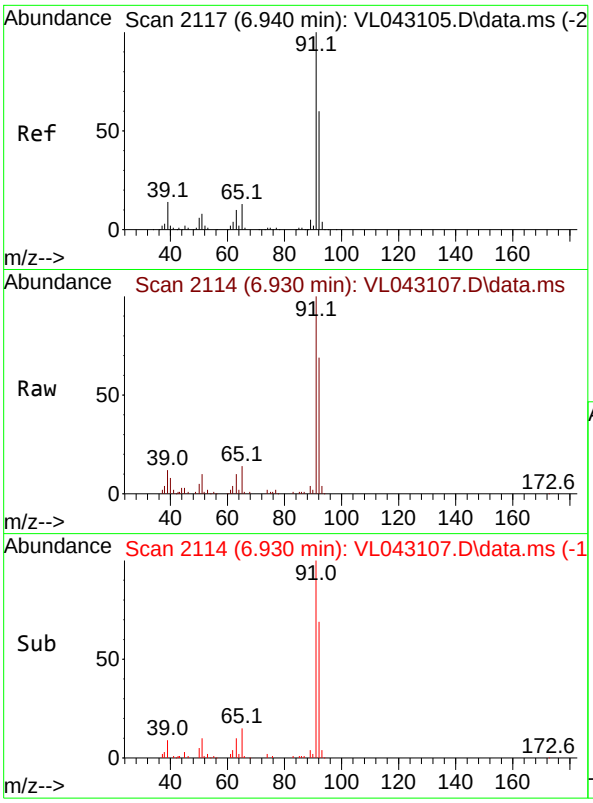


#52
Tetrachloroethene
Concen: 1.079 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:164 Resp: 12319

Ion	Ratio	Lower	Upper
164	100		
166	132.1	97.6	146.4
129	93.0	84.5	126.7
131	102.4	77.2	115.8



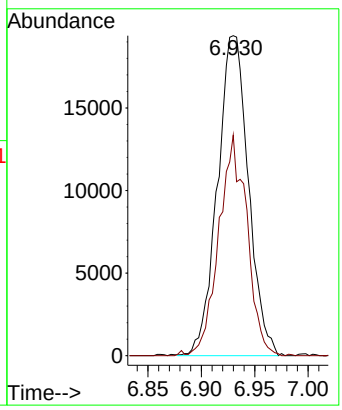


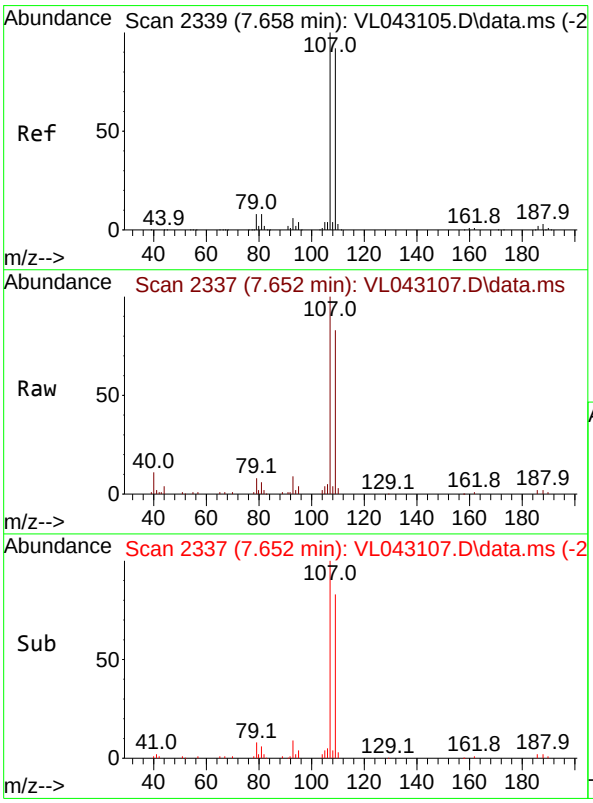
#53
Toluene
Concen: 1.040 ppbv
RT: 6.930 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 39079

Ion	Ratio	Lower	Upper
91	100		
92	62.8	48.8	73.2

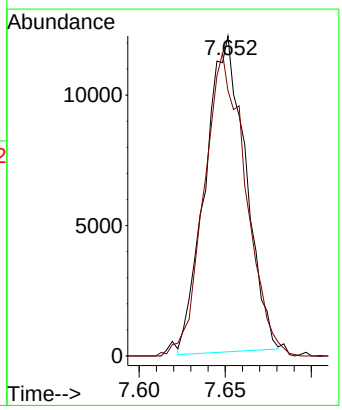


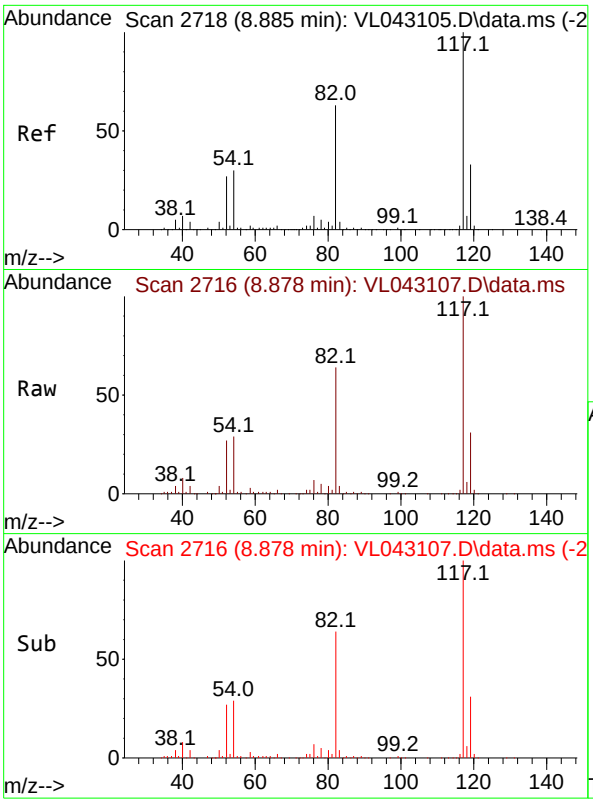


#54
1,2-Dibromoethane
Concen: 0.999 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:107 Resp: 19711

Ion	Ratio	Lower	Upper
107	100		
109	80.7	73.4	110.2



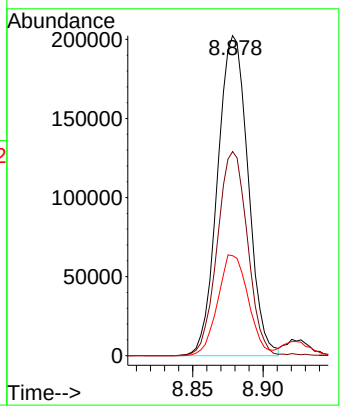


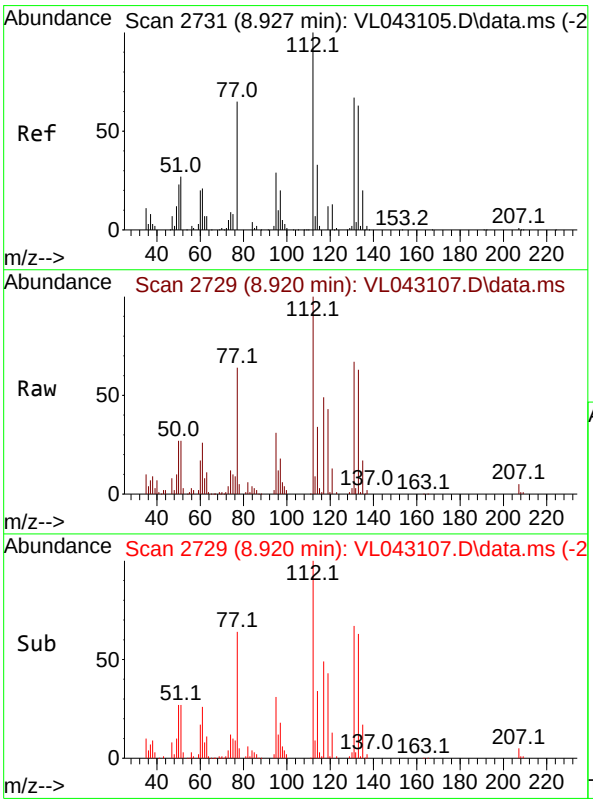
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 305409

Ion	Ratio	Lower	Upper
117	100		
82	63.4	53.8	80.8
119	32.3	25.4	38.0

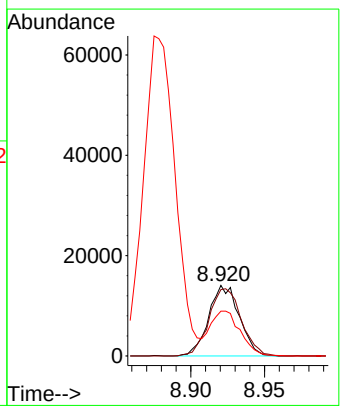


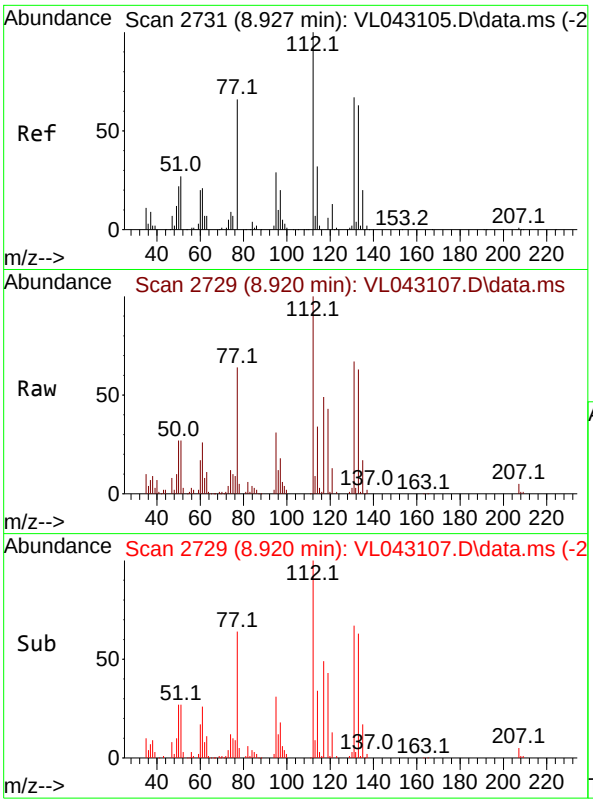


#56
1,1,1,2-Tetrachloroethane
Concen: 1.053 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:131 Resp: 20279

Ion	Ratio	Lower	Upper
131	100		
133	100.9	75.7	113.5
119	62.1	50.6	76.0



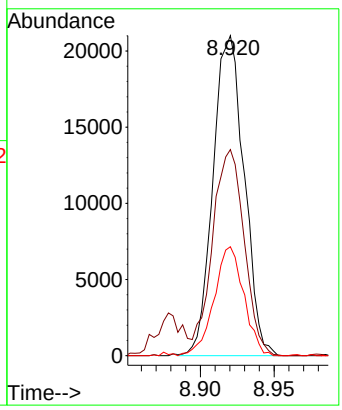


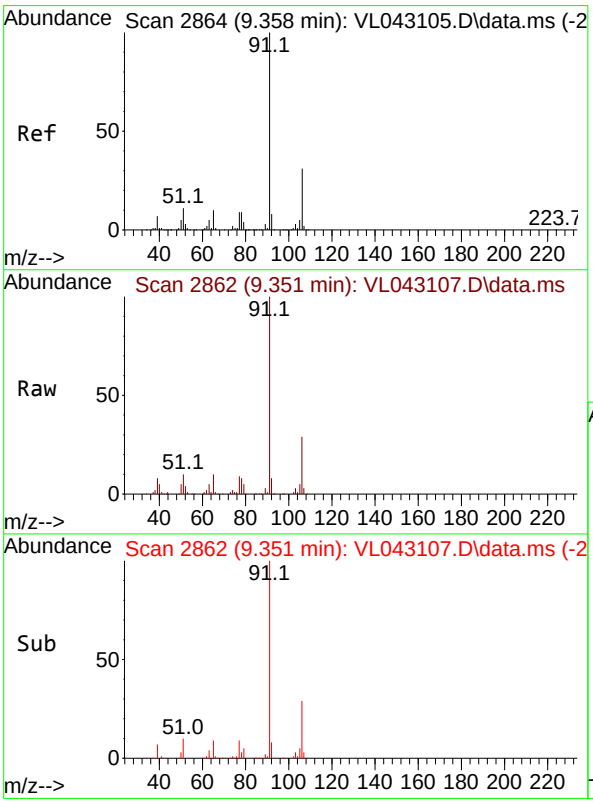
#57
Chlorobenzene
Concen: 1.079 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 30824

Ion	Ratio	Lower	Upper
112	100		
77	64.2	53.3	79.9
114	34.1	29.3	35.8

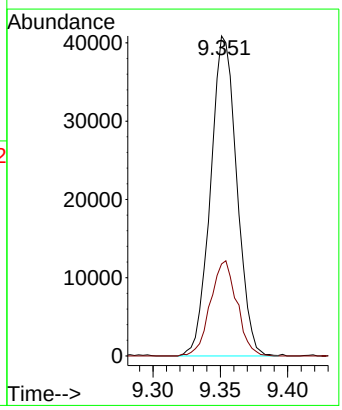


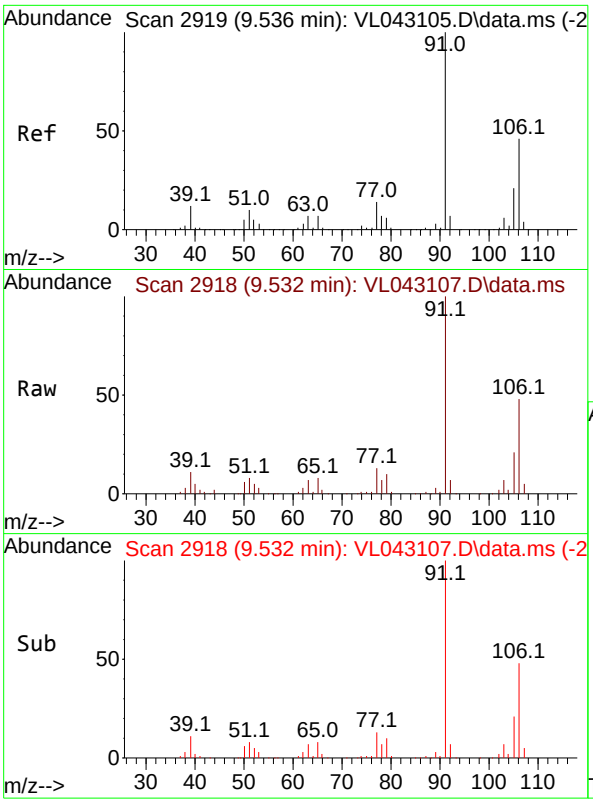


#58
Ethyl Benzene
Concen: 1.049 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 55420

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.8	37.2



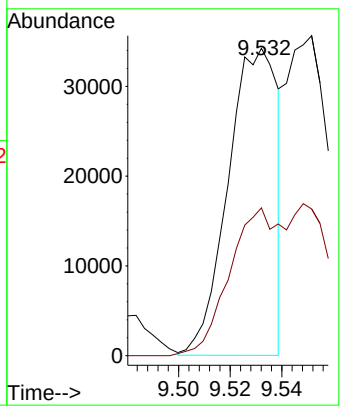


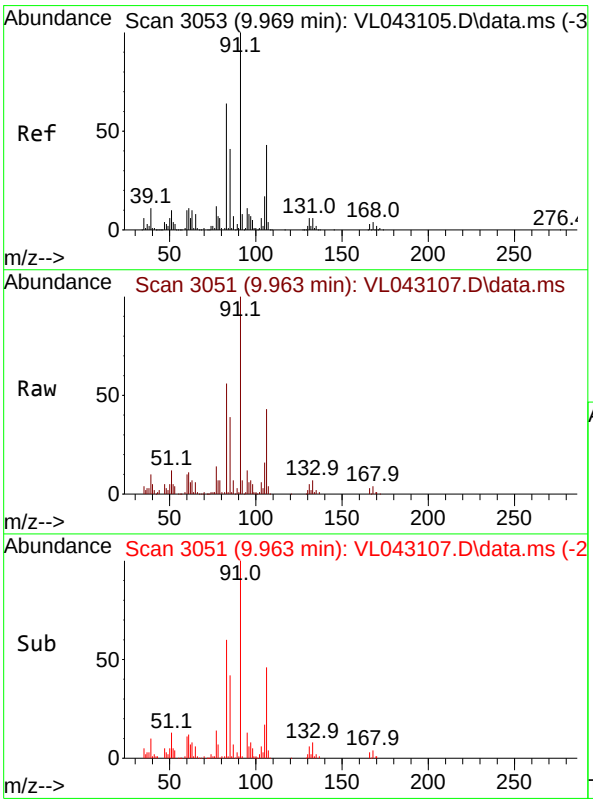
#59
m/p-Xylene
Concen: 1.087 ppbv
RT: 9.532 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 45483

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

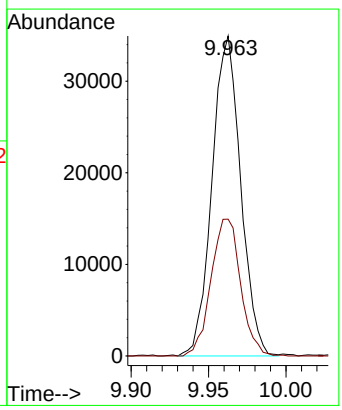


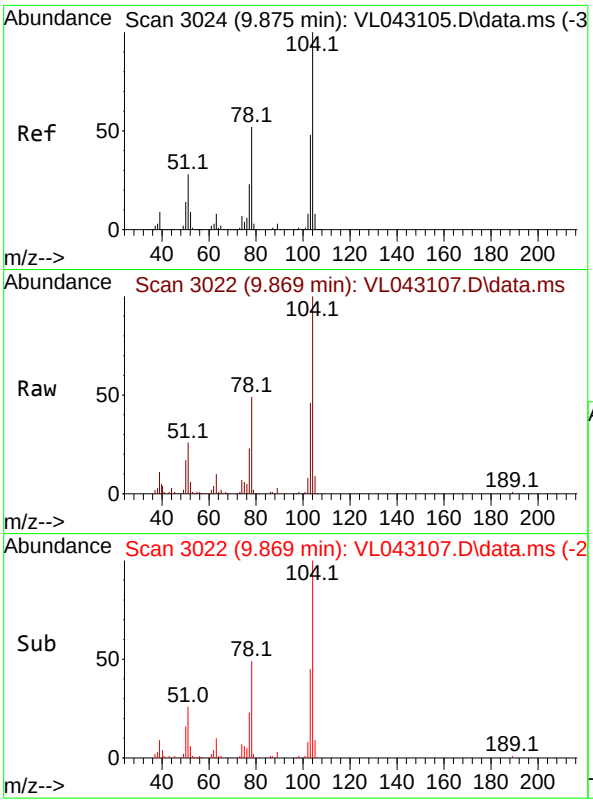


#60
o-Xylene
Concen: 1.088 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 44925

Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.9	65.8



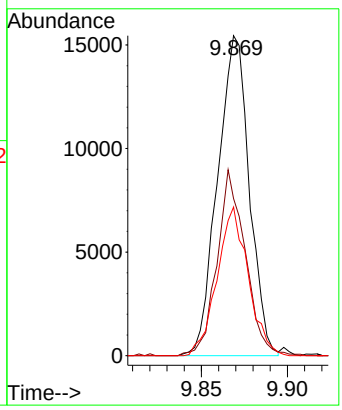


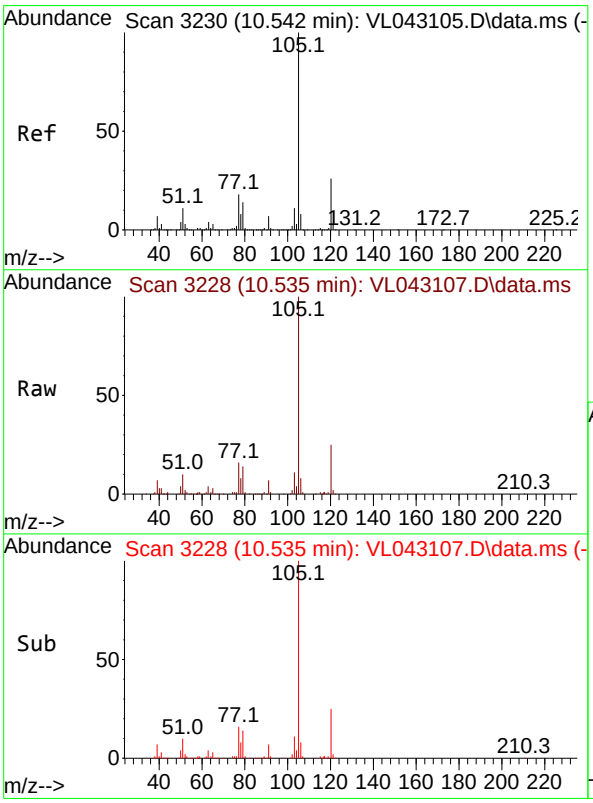
#61
Styrene
Concen: 1.063 ppbv
RT: 9.869 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 19809

Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.2	60.2
103	45.5	36.9	55.3

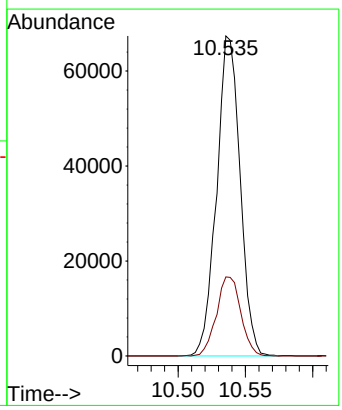


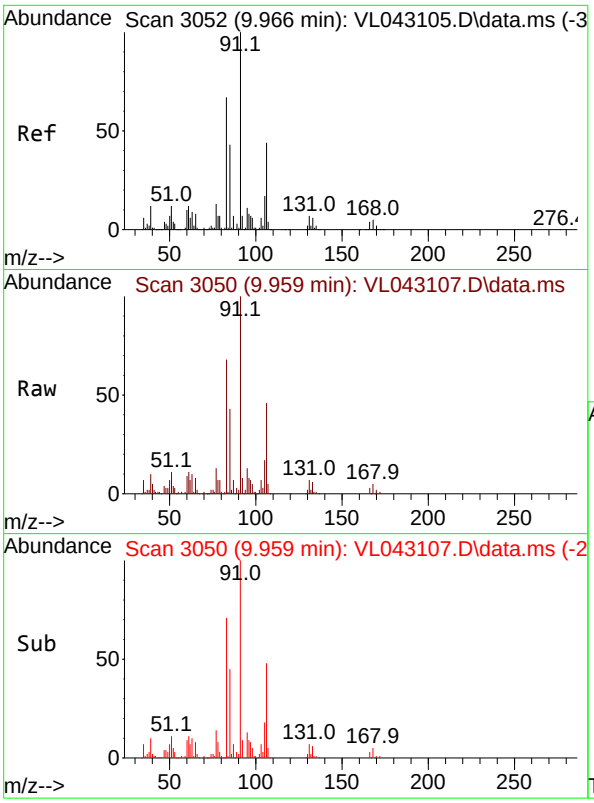


#62
Isopropylbenzene
Concen: 1.093 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:105 Resp: 81579

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.2	30.4



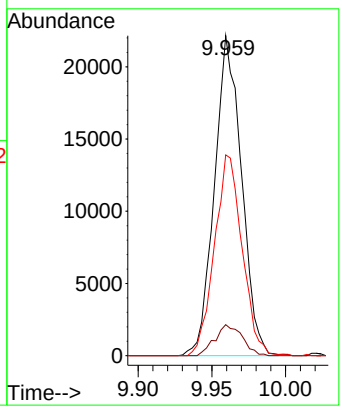


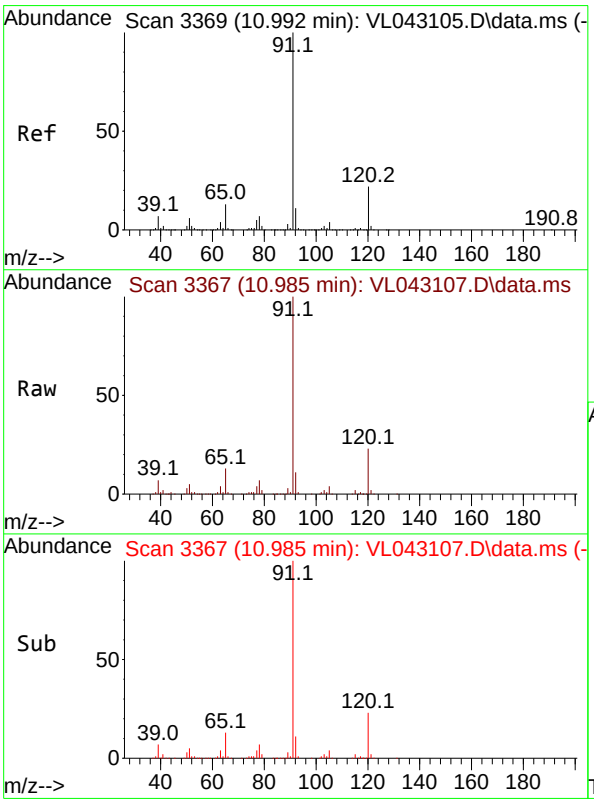
#63
1,1,2,2-Tetrachloroethane
Concen: 1.021 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 28230

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	64.3	32.0	96.0

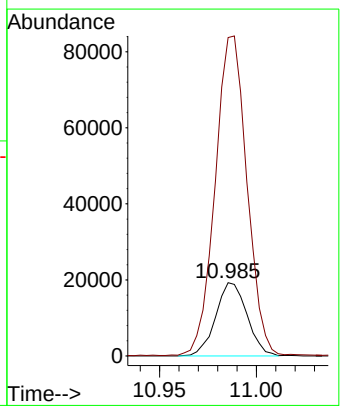


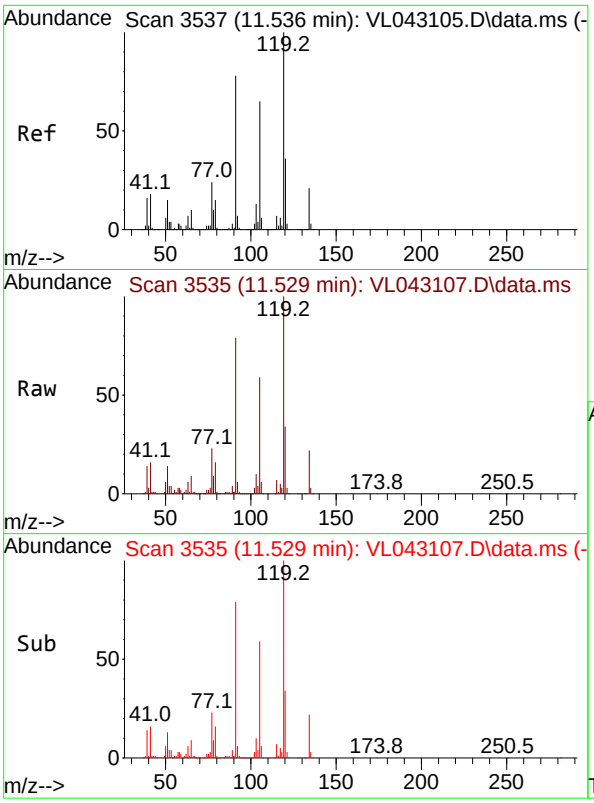


#64
n-propylbenzene
Concen: 1.098 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:120 Resp: 21685

Ion	Ratio	Lower	Upper
120	100		
91	446.5	361.6	542.4



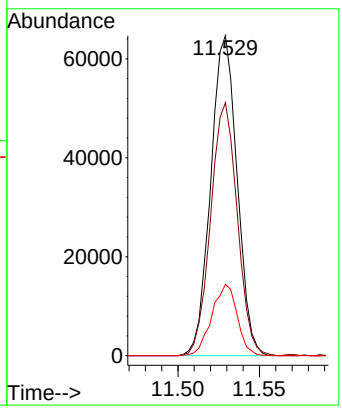


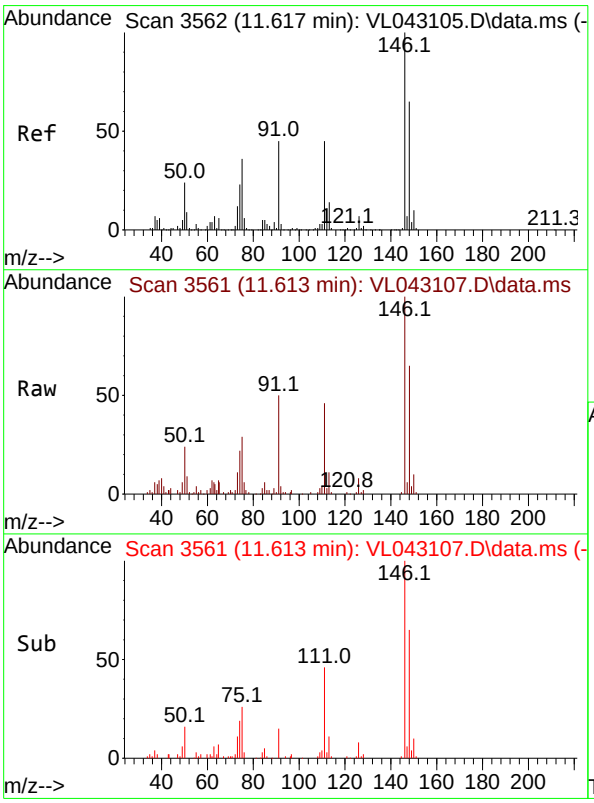
#65
tert-Butylbenzene
Concen: 1.105 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 72781

Ion	Ratio	Lower	Upper
119	100		
91	79.8	63.4	95.0
134	21.5	17.3	25.9

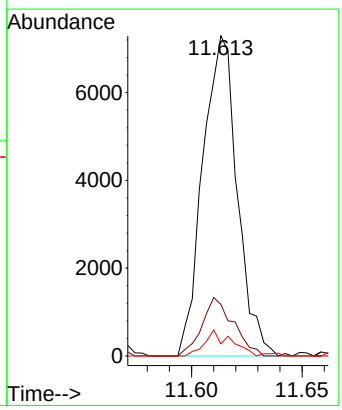


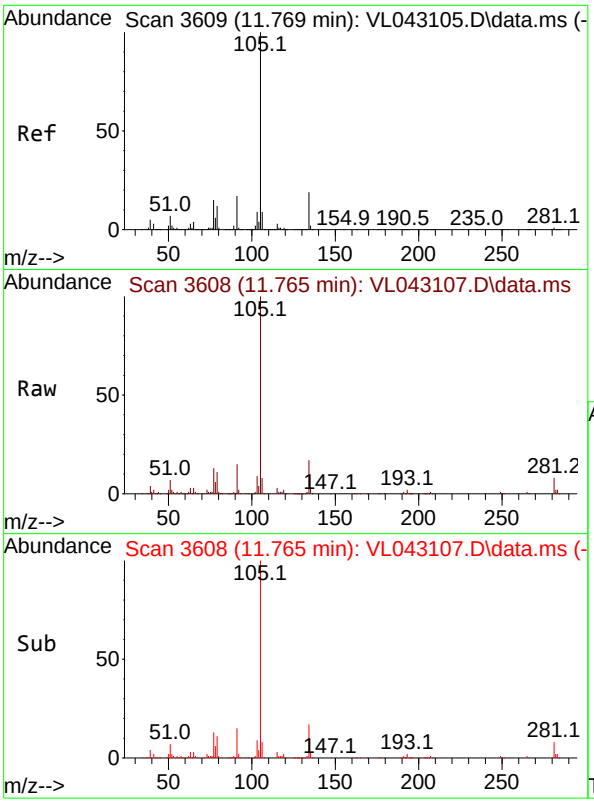


#66
Benzyl Chloride
Concen: 1.076 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 7918

Ion	Ratio	Lower	Upper
91	100		
126	16.6	14.6	22.0
128	6.6	4.6	6.8



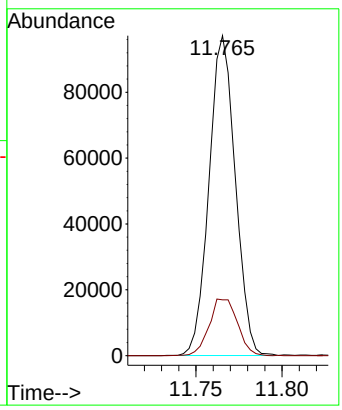


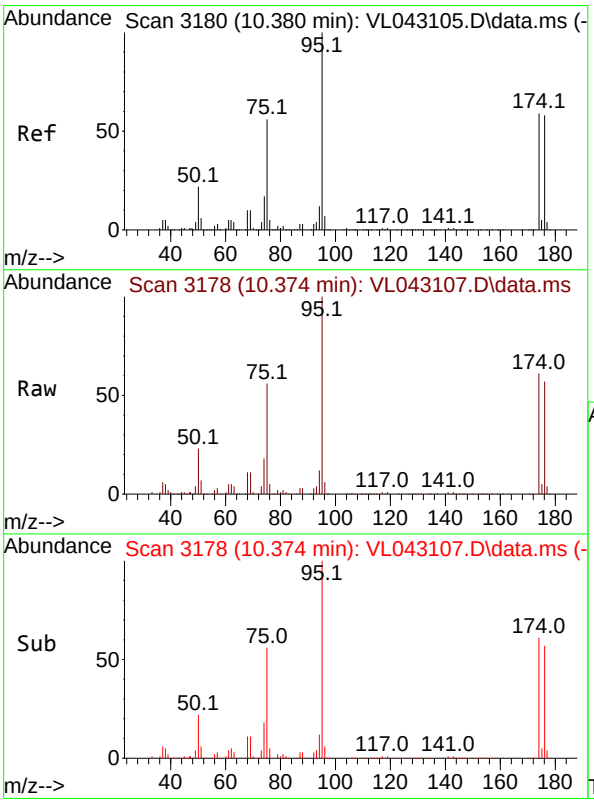
#67
sec-Butylbenzene
Concen: 1.103 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 103152

Ion	Ratio	Lower	Upper
105	100		
134	19.2	15.5	23.3

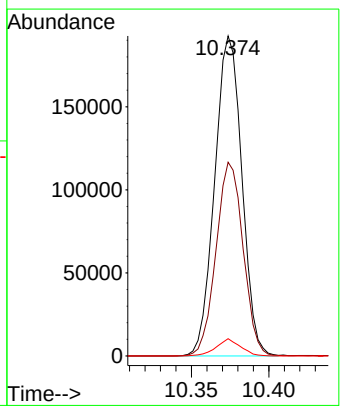


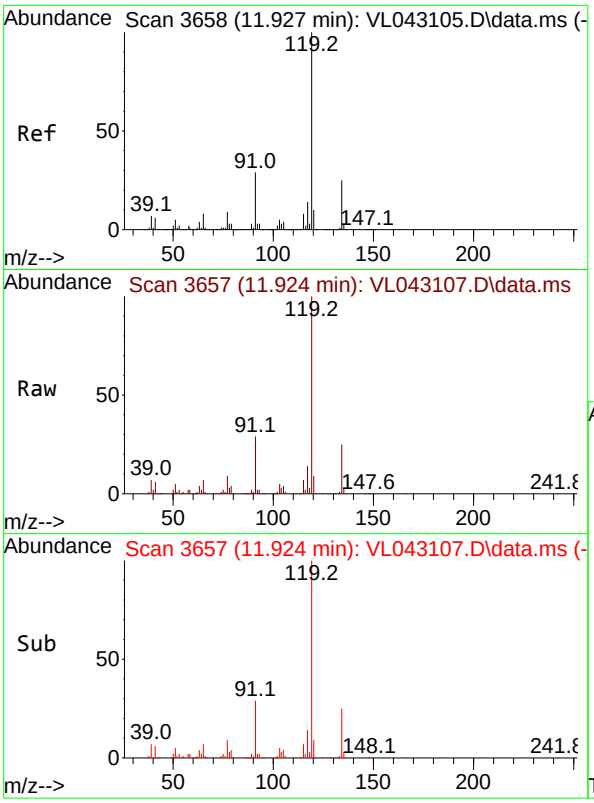


#68
1-Bromo-4-Fluorobenzene
Concen: 9.912 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 95 Resp: 235307

Ion	Ratio	Lower	Upper
95	100		
174	60.3	48.3	72.5
175	4.8	3.8	5.8



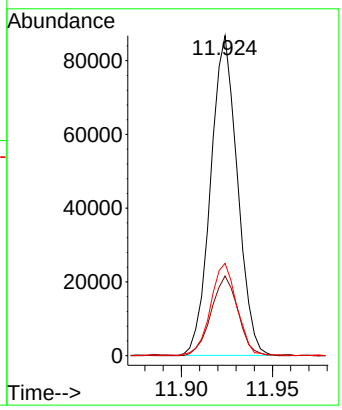


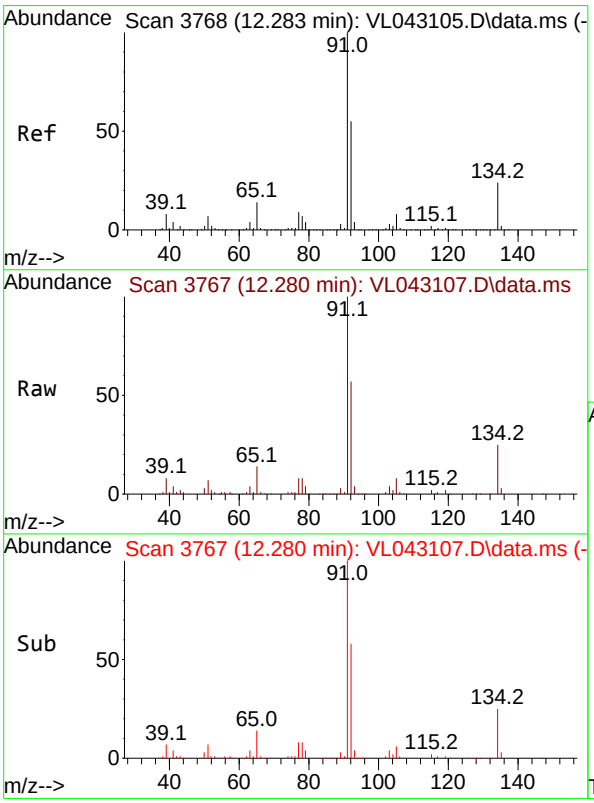
#69
p-Isopropyltoluene
Concen: 1.113 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 88443

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	28.9	22.6	33.8

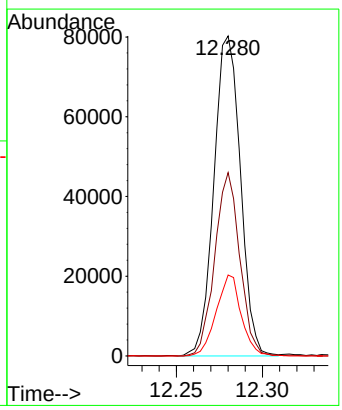


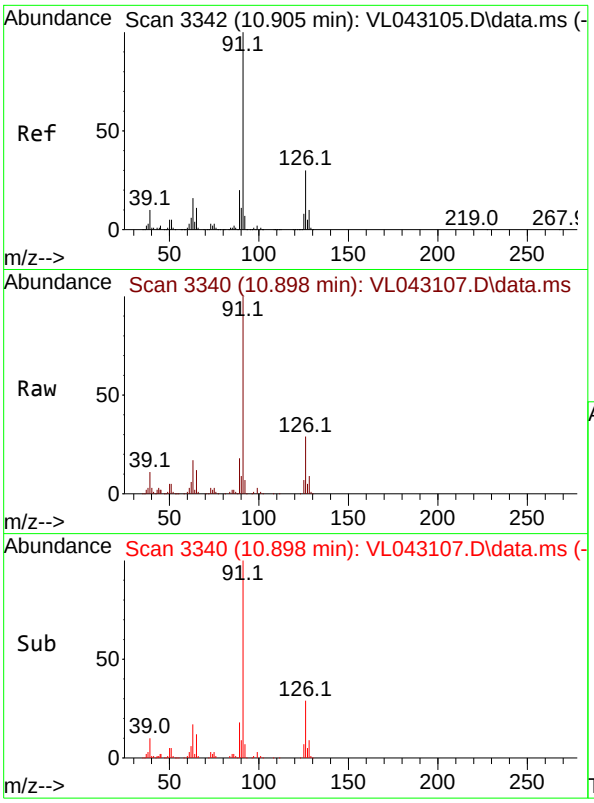


#70
n-Butylbenzene
Concen: 1.100 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 86120

Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.5	66.7
134	23.9	19.3	28.9



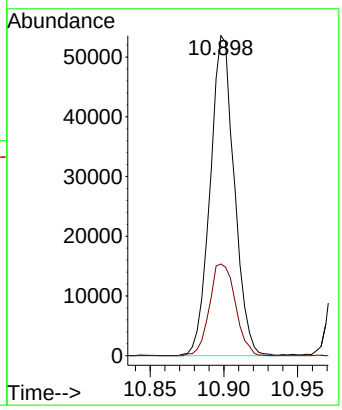


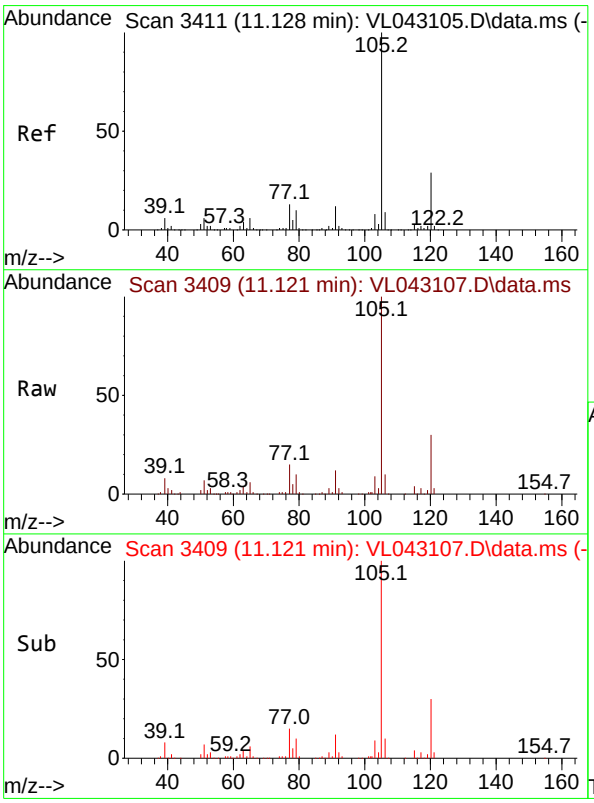
#71
2-Chlorotoluene
Concen: 1.072 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 60994

Ion	Ratio	Lower	Upper
91	100		
126	30.8	12.0	48.0

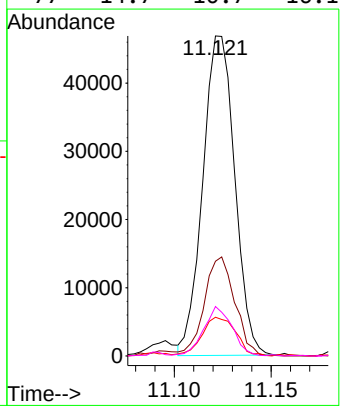


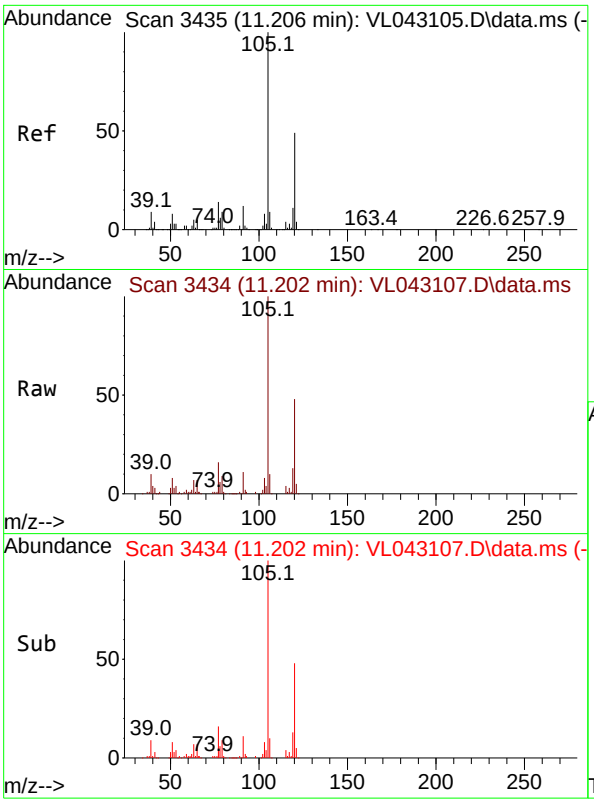


#72
4-Ethyltoluene
Concen: 1.059 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:105 Resp: 53788

Ion	Ratio	Lower	Upper
105	100		
120	31.0	24.2	36.4
91	14.0	10.0	15.0
77	14.7	10.7	16.1



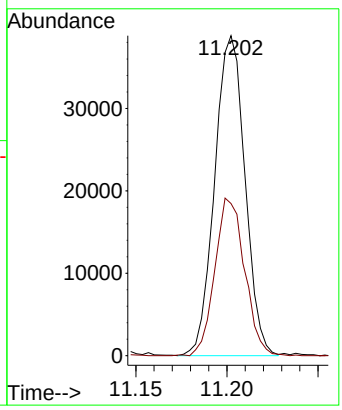


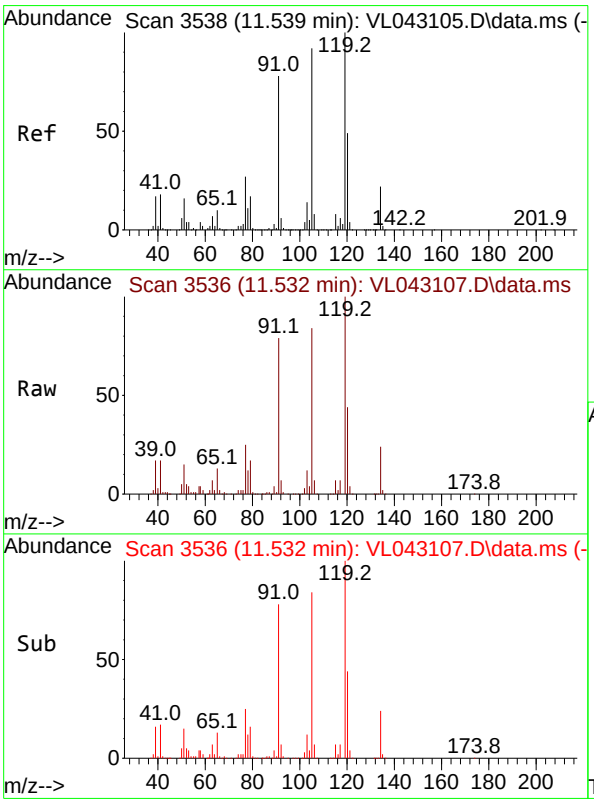
#73
1,3,5-Trimethylbenzene
Concen: 1.070 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 44786

Ion	Ratio	Lower	Upper
105	100		
120	47.3	39.0	58.6

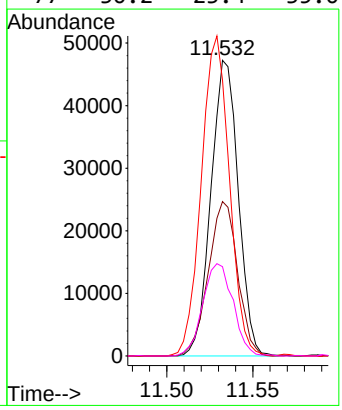


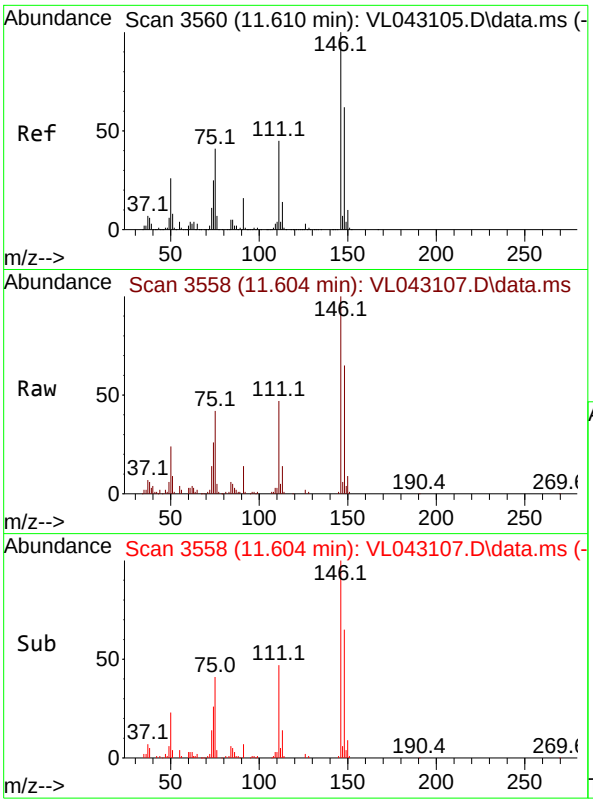


#74
1,2,4-Trimethylbenzene
Concen: 1.112 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:105 Resp: 52118

Ion	Ratio	Lower	Upper
105	100		
120	52.2	42.8	64.2
91	93.1	68.3	102.5
77	30.2	23.4	35.0



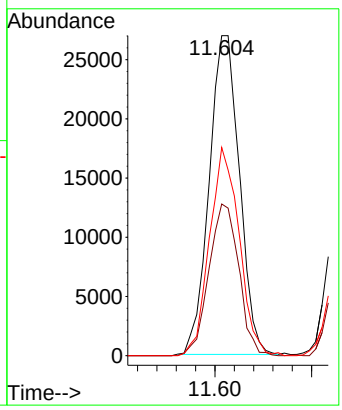


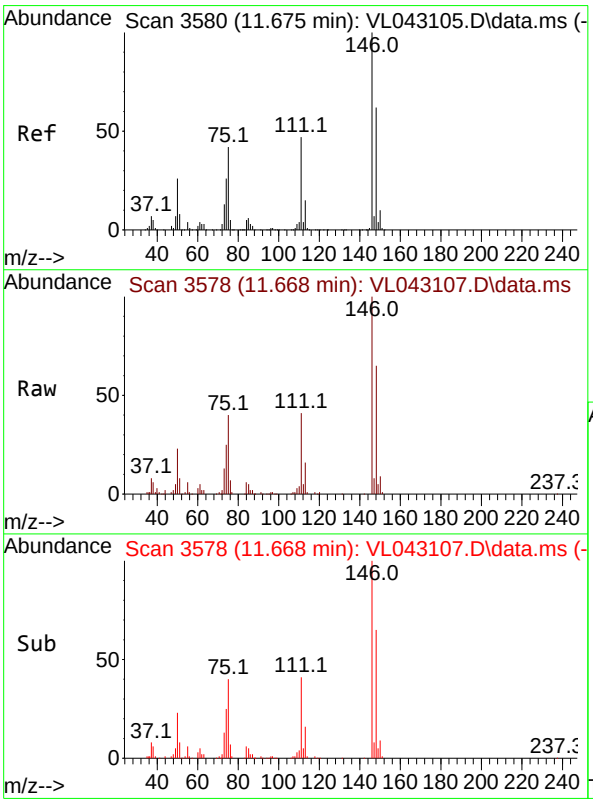
#75
1,3-Dichlorobenzene
Concen: 1.074 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 29186

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.3	69.9
148	64.0	31.6	95.0

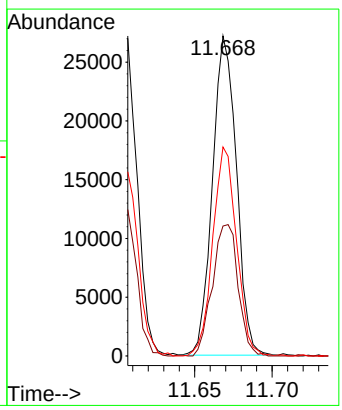


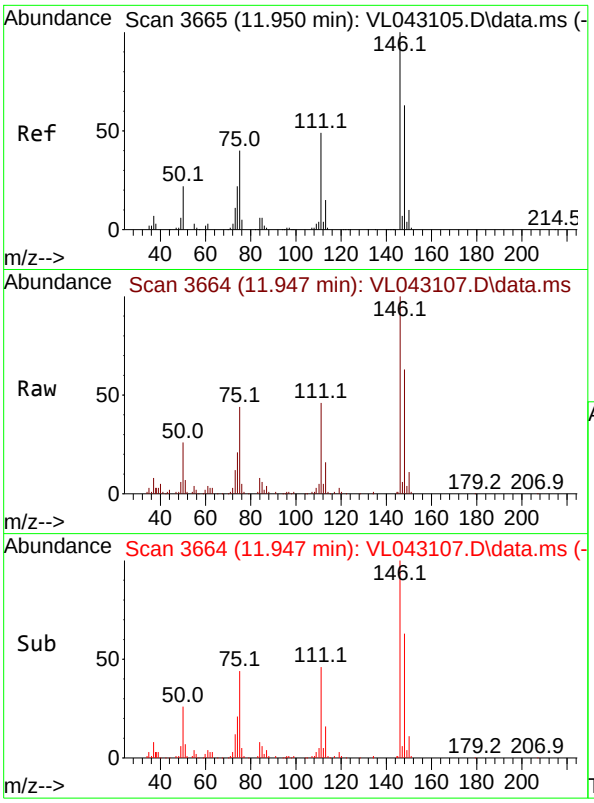


#76
1,4-Dichlorobenzene
Concen: 1.066 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:146 Resp: 29225

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.4	67.0
148	65.0	31.6	94.7



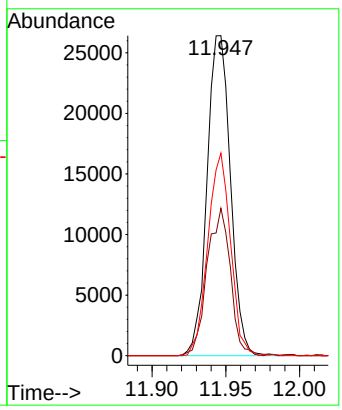


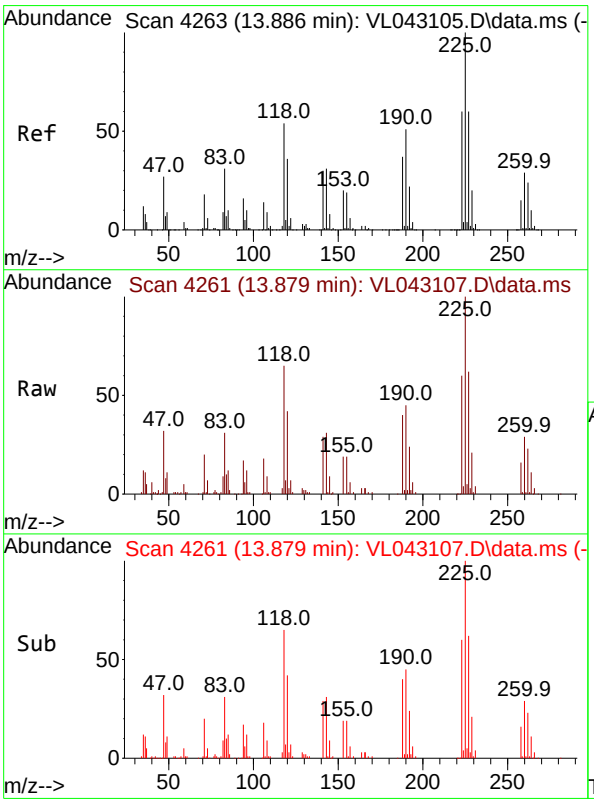
#77
1,2-Dichlorobenzene
Concen: 1.109 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 29146

Ion	Ratio	Lower	Upper
146	100		
111	45.8	24.0	72.0
148	61.5	31.1	93.3

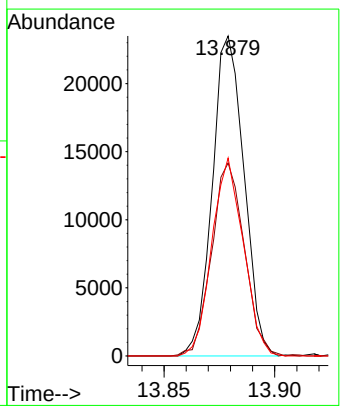


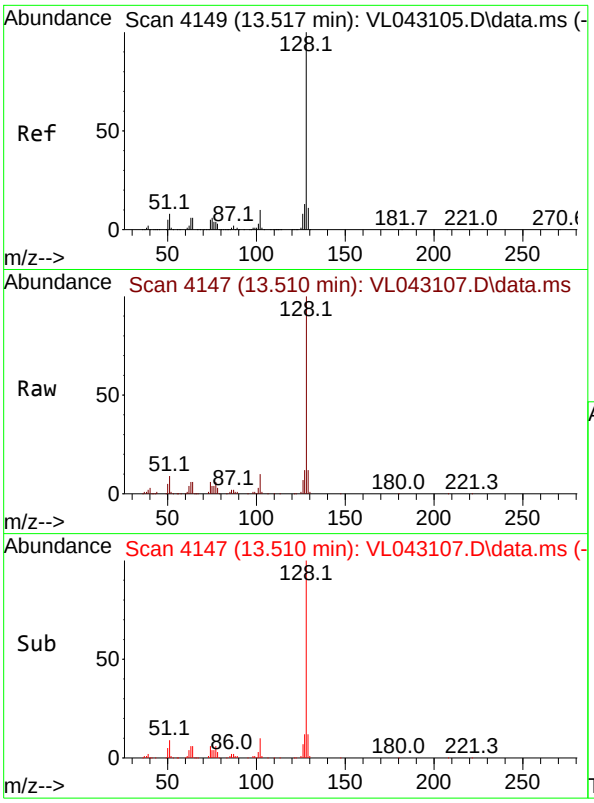


#78
Hexachloro-1,3-Butadiene
Concen: 1.146 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:225 Resp: 23330

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.2	75.4
227	61.6	49.6	74.4



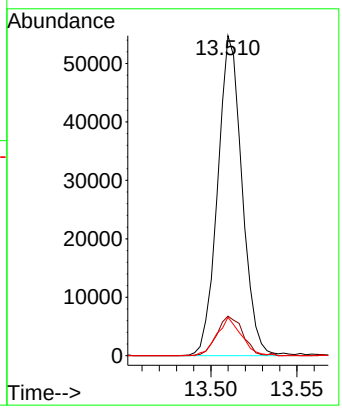


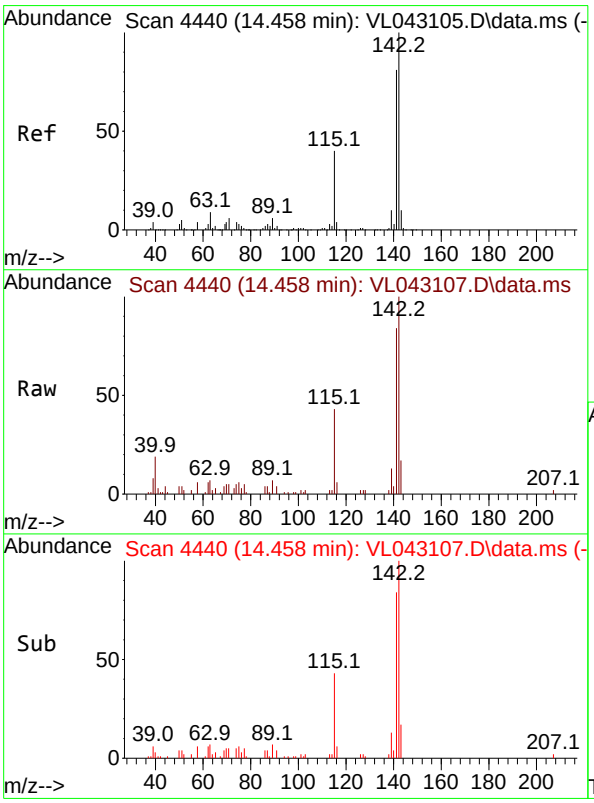
#79
Naphthalene
Concen: 1.114 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 53930

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	12.0	9.1	13.7

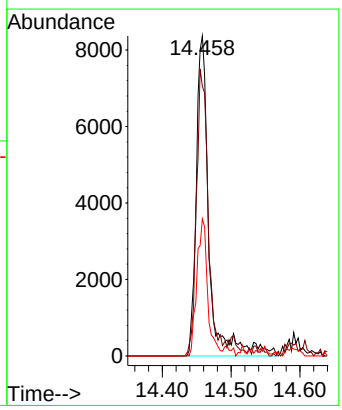


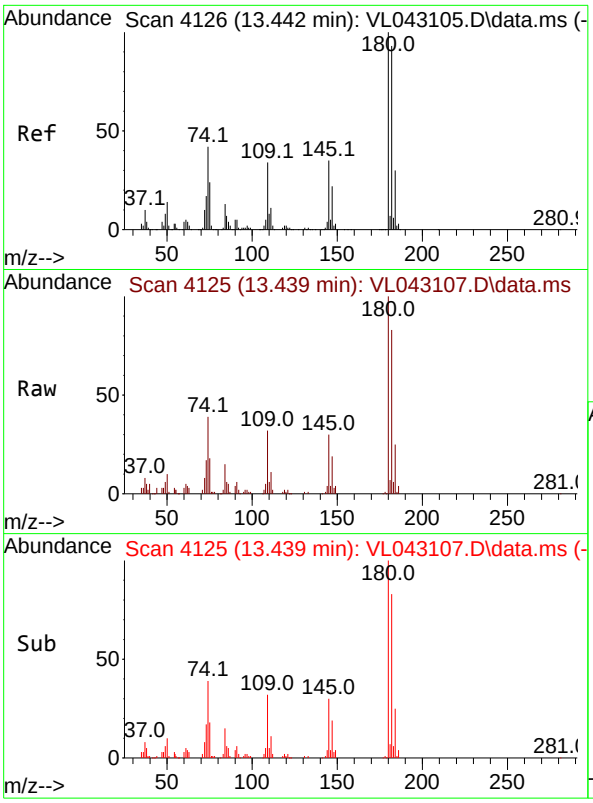


#80
Naphthalene,2-methyl-
Concen: 0.849 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:142 Resp: 10851

Ion	Ratio	Lower	Upper
142	100		
141	88.9	64.6	97.0
115	38.1	30.2	45.4



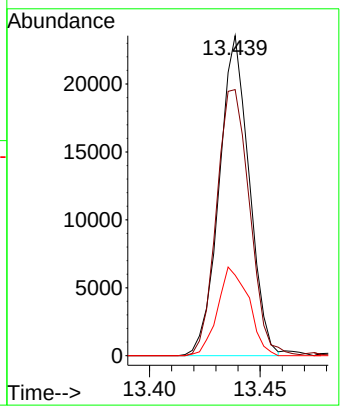


#81
1,2,4-Trichlorobenzene
Concen: 1.090 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 22161

Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.5	113.3
184	28.8	23.9	35.9



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Oct 15 01:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	101636	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	336188	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	303445	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	232904	9.875	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	7851	0.543	ppbv	98
3) Chlorodifluoromethane	1.479	51	8497	0.543	ppbv #	89
4) Chloromethane	1.534	50	3254	0.568	ppbv #	88
5) Vinyl Chloride	1.583	62	2857	0.509	ppbv	96
6) Bromomethane	1.670	94	1709	0.555	ppbv	100
7) Chloroethane	1.706	64	1326	0.578	ppbv #	85
8) Dichlorotetrafluoroethane	1.557	85	5970	0.511	ppbv	92
9) Propene	1.486	41	3750	0.541	ppbv	92
10) Heptane	4.981	43	6039	0.304	ppbv #	27
11) Trichlorofluoromethane	1.881	101	7672	0.543	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	6173	0.543	ppbv	100
13) Ethanol	1.725	45	1468	0.572	ppbv	86
14) Bromoethene	1.787	108	2444	0.578	ppbv #	90
15) Acetone	1.839	43	7931	0.576	ppbv #	88
16) 1,3-Butadiene	1.612	39	3962	0.607	ppbv	91
17) tert-Butyl alcohol	2.046	59	10213	0.543	ppbv #	88
18) 1,1-Dichloroethene	2.039	96	2636	0.531	ppbv	91
19) Isopropyl Alcohol	1.887	45	4932	0.578	ppbv #	43
20) Methylene Chloride	2.065	84	3750	0.693	ppbv #	75
21) Allyl Chloride	2.098	41	5575	0.551	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	3093	0.522	ppbv	98
23) Vinyl Acetate	2.467	43	10914	0.544	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	5942	0.519	ppbv	99
25) Ethyl Acetate	2.845	43	17918	0.527	ppbv #	96
26) Hexane	2.829	57	8908	0.569	ppbv	95
27) Carbon Disulfide	2.153	76	7230	0.504	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3770	0.529	ppbv #	47
29) Chloroform	2.852	83	12384	0.546	ppbv	100
30) Cyclohexane	3.862	84	6978	0.511	ppbv #	88
31) cis-1,2-Dichloroethene	2.725	61	7576	0.507	ppbv #	88
32) 1,1,1-Trichloroethane	3.373	97	12234	0.518	ppbv	97
34) 2-Butanone	2.564	43	12659	0.557	ppbv	99
35) Carbon Tetrachloride	3.768	117	11931	0.494	ppbv	87
36) Benzene	3.661	78	16376	0.517	ppbv	94
37) 1,2-Dichloroethane	3.224	62	9907	0.543	ppbv	99
38) Trichloroethene	4.554	130	6745	0.511	ppbv	95
39) 1,2-Dichloropropane	4.318	63	6032	0.521	ppbv #	80
40) 1,4-Dioxane	4.603	88	1303	0.252	ppbv #	33
41) Tetrahydrofuran	3.065	42	6831	0.538	ppbv	97
42) Bromodichloromethane	4.496	83	13094	0.519	ppbv	96
43) Methyl Methacrylate	4.888	69	4902	0.303	ppbv #	1
44) 2,2,4-Trimethylpentane	4.648	57	27304	0.516	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	8030	0.498	ppbv	94

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Oct 15 01:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

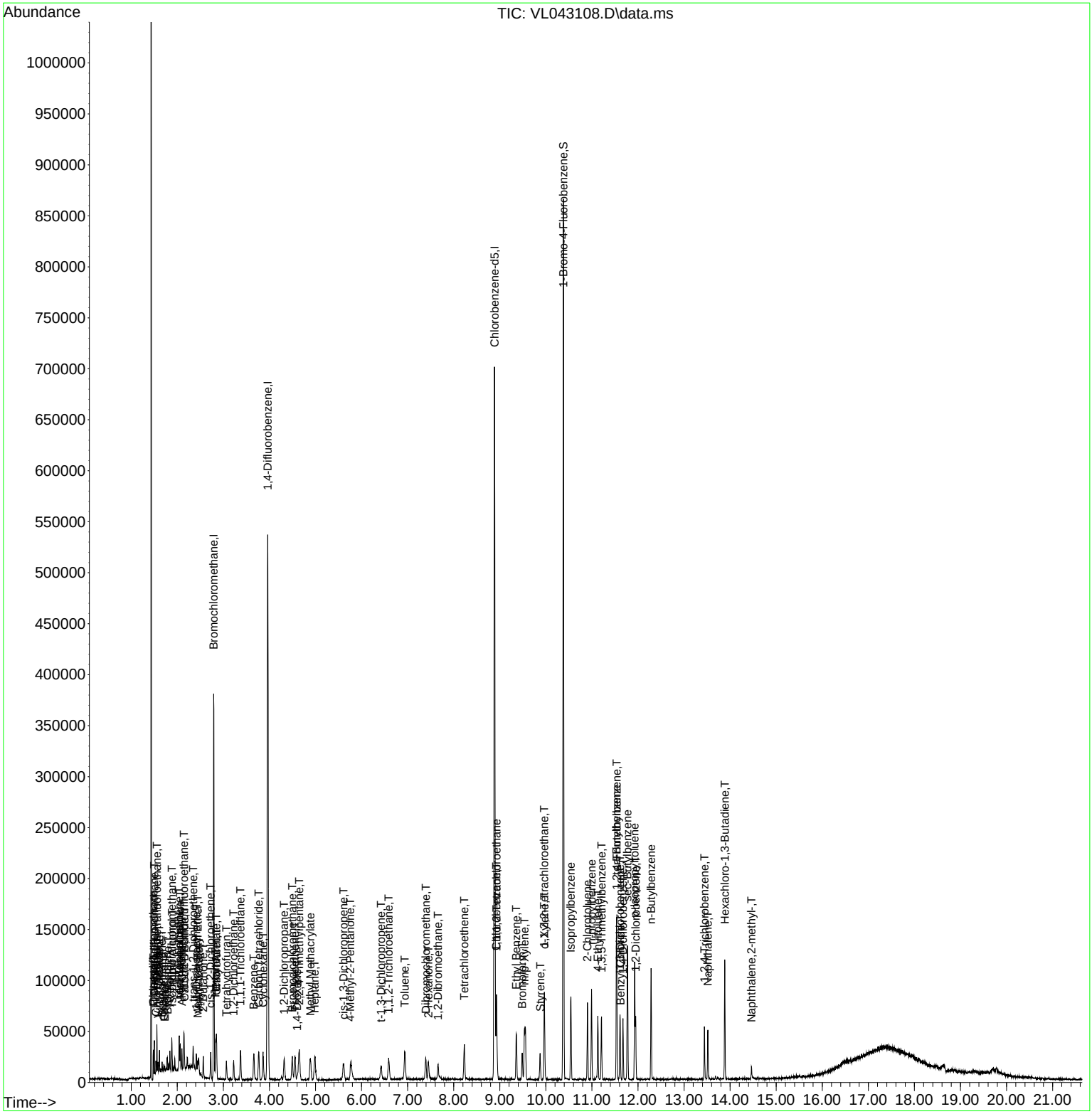
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	8375	0.435	ppbv	#	88
47) 1,1,2-Trichloroethane	6.587	97	6996	0.560	ppbv		92
48) Dibromochloromethane	7.393	129	10413	0.498	ppbv		96
49) Bromoform	9.487	173	8455	0.498	ppbv		96
50) 4-Methyl-2-Pentanone	5.755	43	3434	0.110	ppbv	#	38
51) 2-Hexanone	7.451	43	11485	0.491	ppbv	#	94
52) Tetrachloroethene	8.231	164	5863	0.513	ppbv	#	90
53) Toluene	6.936	91	20380	0.542	ppbv		99
54) 1,2-Dibromoethane	7.661	107	9586	0.486	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.930	131	10044	0.525	ppbv	#	1
57) Chlorobenzene	8.927	112	15318	0.540	ppbv		95
58) Ethyl Benzene	9.357	91	27330	0.521	ppbv		91
59) m/p-Xylene	9.539	91	20079	0.483	ppbv	#	15
60) o-Xylene	9.969	91	21745	0.530	ppbv		96
61) Styrene	9.878	104	9052	0.489	ppbv		96
62) Isopropylbenzene	10.542	105	38899	0.525	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	13653	0.497	ppbv		97
64) n-propylbenzene	10.992	120	10435	0.532	ppbv		99
65) tert-Butylbenzene	11.532	119	35537	0.543	ppbv		99
66) Benzyl Chloride	11.620	91	3477	0.476	ppbv	#	97
67) sec-Butylbenzene	11.769	105	50259	0.541	ppbv		100
69) p-Isopropyltoluene	11.927	119	41366	0.524	ppbv		99
70) n-Butylbenzene	12.283	91	39620	0.509	ppbv		98
71) 2-Chlorotoluene	10.901	91	29722	0.526	ppbv		98
72) 4-Ethyltoluene	11.128	105	26408	0.524	ppbv		98
73) 1,3,5-Trimethylbenzene	11.209	105	21754	0.523	ppbv		89
74) 1,2,4-Trimethylbenzene	11.539	105	25663	0.551	ppbv		93
75) 1,3-Dichlorobenzene	11.610	146	13697	0.507	ppbv		95
76) 1,4-Dichlorobenzene	11.675	146	14514	0.533	ppbv		99
77) 1,2-Dichlorobenzene	11.950	146	14324	0.548	ppbv		98
78) Hexachloro-1,3-Butadiene	13.885	225	11400	0.564	ppbv		98
79) Naphthalene	13.516	128	23247	0.483	ppbv	#	94
80) Naphthalene,2-methyl-	14.462	142	3874	0.305	ppbv	#	84
81) 1,2,4-Trichlorobenzene	13.442	180	8395	0.416	ppbv		98

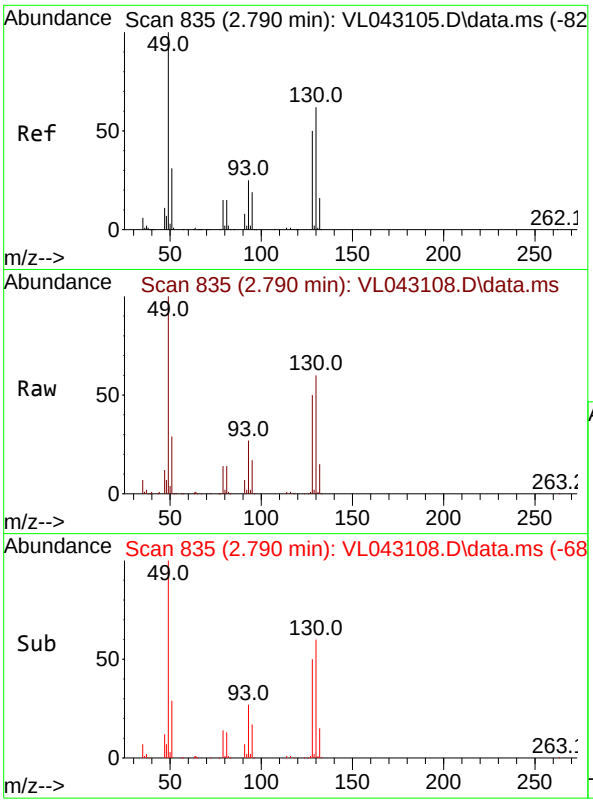
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Oct 15 01:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration



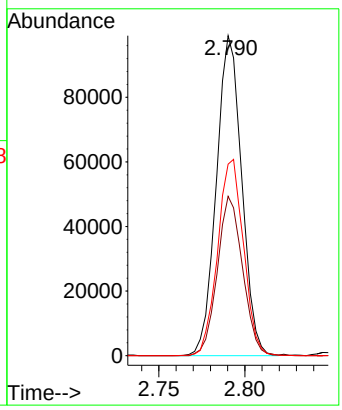


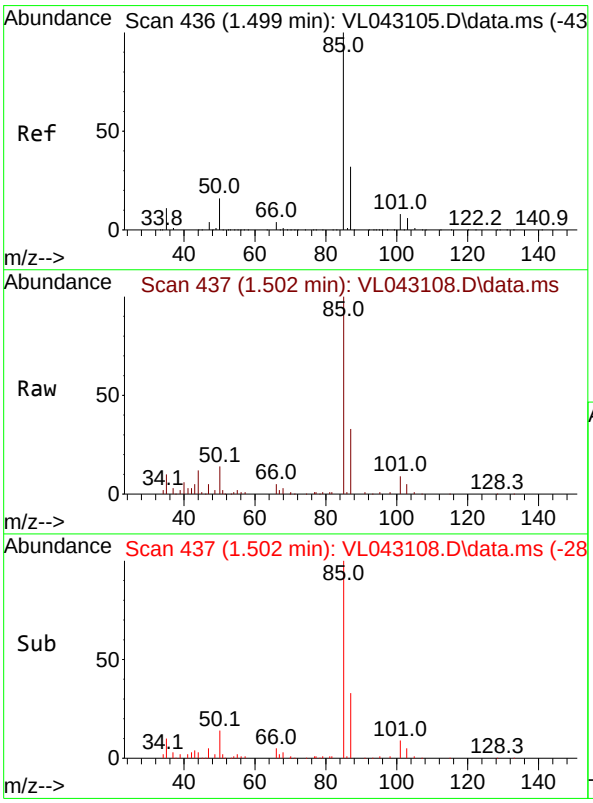
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 101636

Ion	Ratio	Lower	Upper
49	100		
128	49.5	24.4	73.4
130	62.5	31.0	93.0

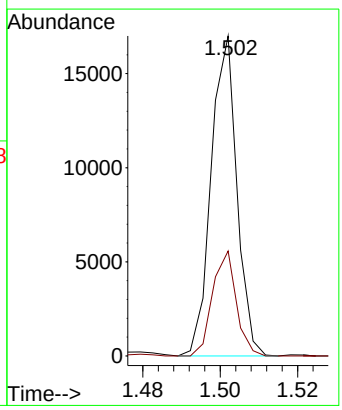


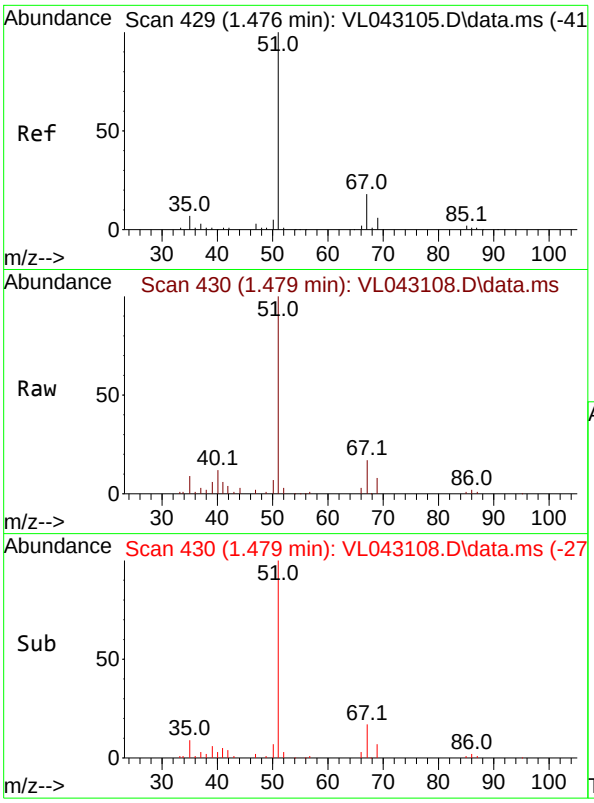


#2
Dichlorodifluoromethane
Concen: 0.543 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 85 Resp: 7851

Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.3	37.9



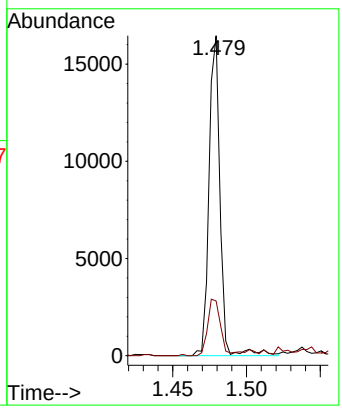


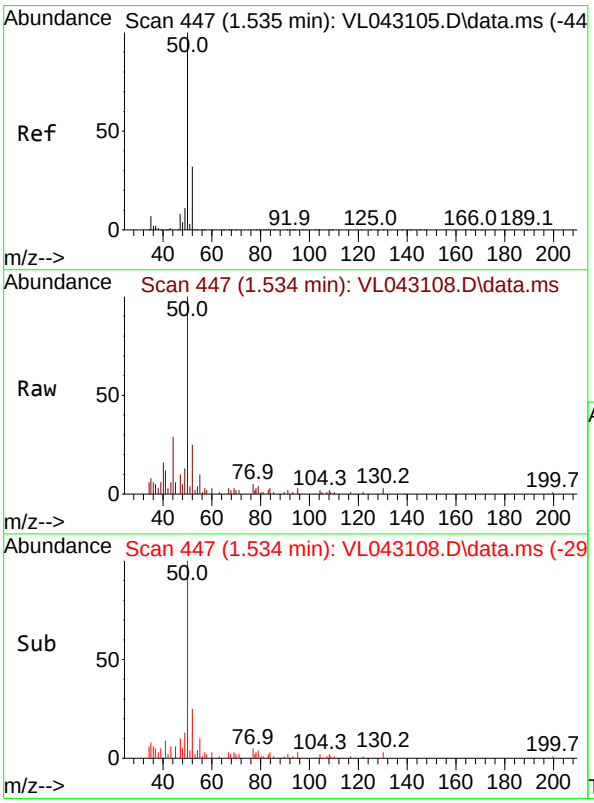
#3
Chlorodifluoromethane
Concen: 0.543 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 8497

Ion	Ratio	Lower	Upper
51	100		
67	23.8	15.1	22.7#

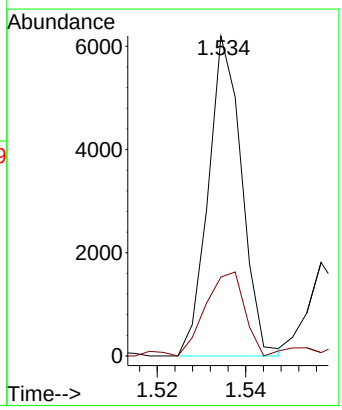


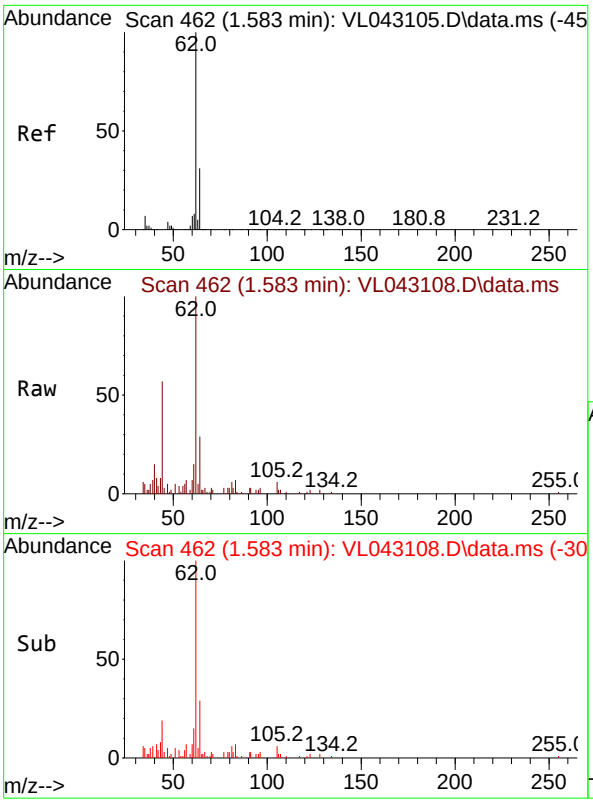


#4
Chloromethane
Concen: 0.568 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 50 Resp: 3254

Ion	Ratio	Lower	Upper
50	100		
52	24.7	25.2	37.8#



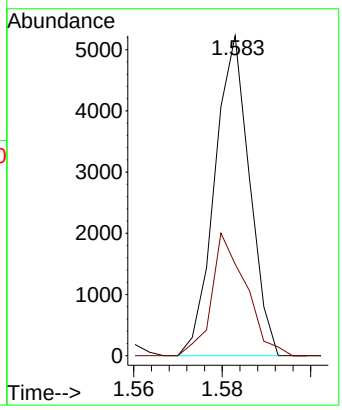


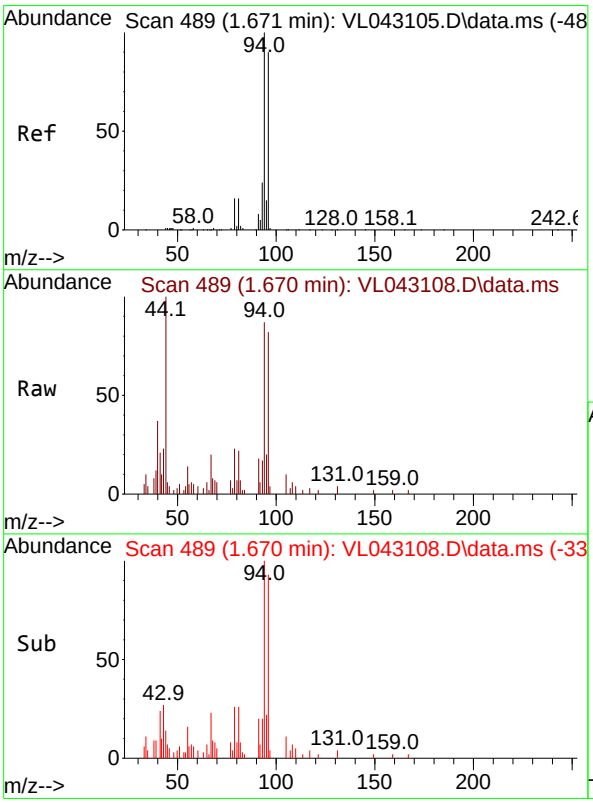
#5
Vinyl Chloride
Concen: 0.509 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 2857

Ion	Ratio	Lower	Upper
62	100		
64	28.6	24.6	36.8

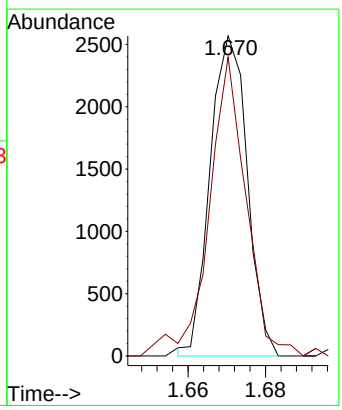


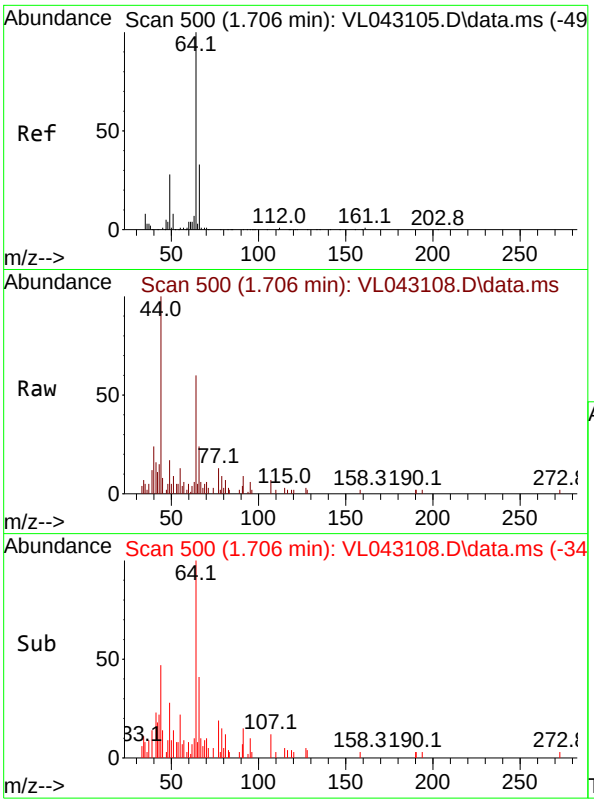


#6
Bromomethane
Concen: 0.555 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 94 Resp: 1709

Ion	Ratio	Lower	Upper
94	100		
96	89.9	72.2	108.4



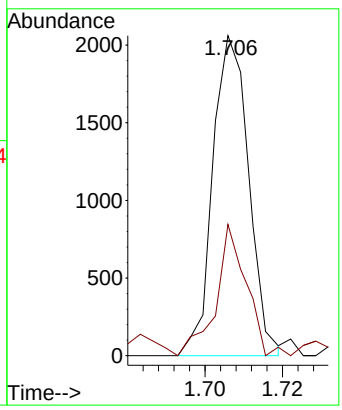


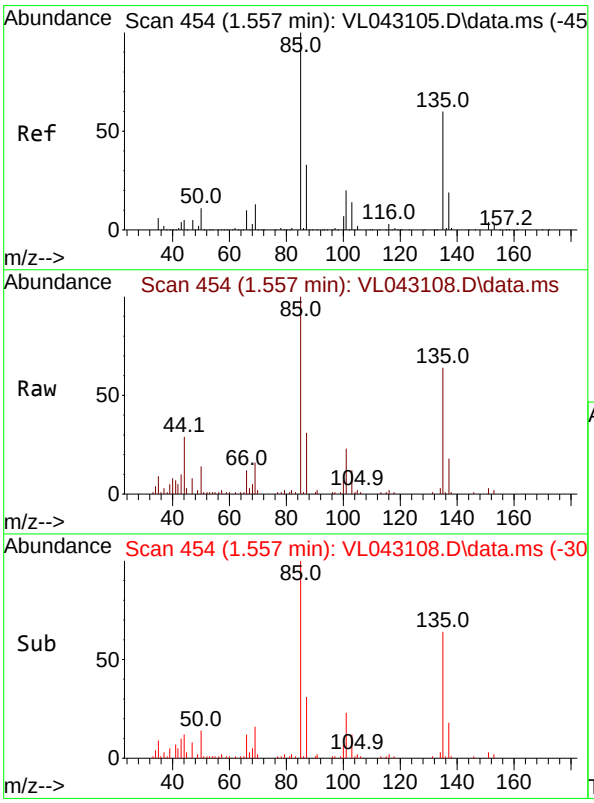
#7
Chloroethane
Concen: 0.578 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 1326

Ion	Ratio	Lower	Upper
64	100		
66	41.0	26.0	39.0#

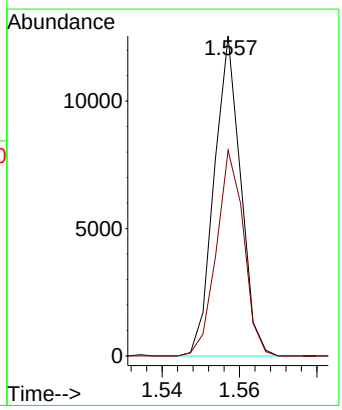


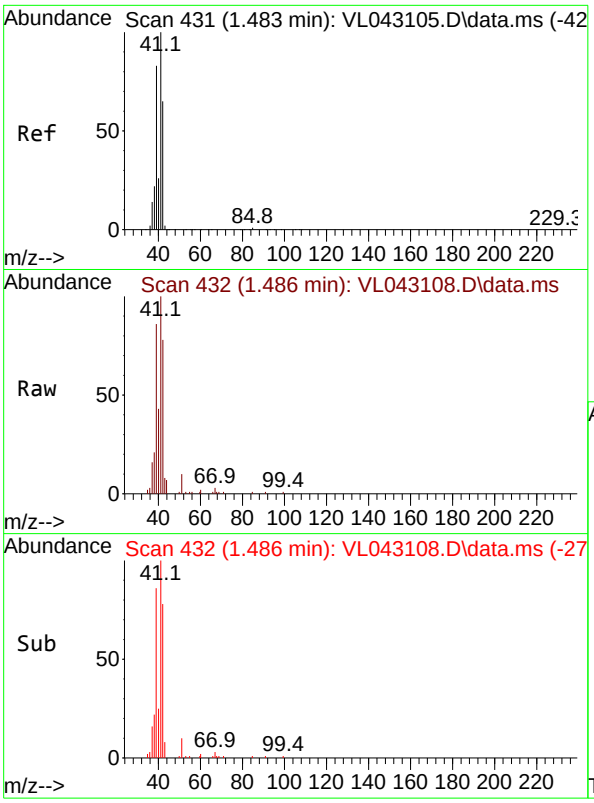


#8
Dichlorotetrafluoroethane
Concen: 0.511 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 85 Resp: 5970

Ion	Ratio	Lower	Upper
85	100		
135	66.3	48.2	72.4



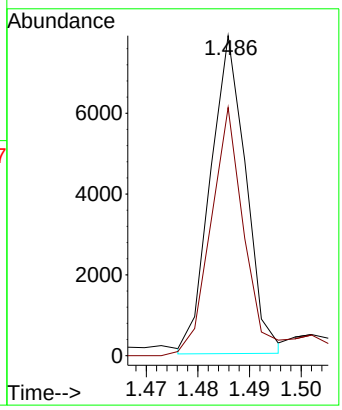


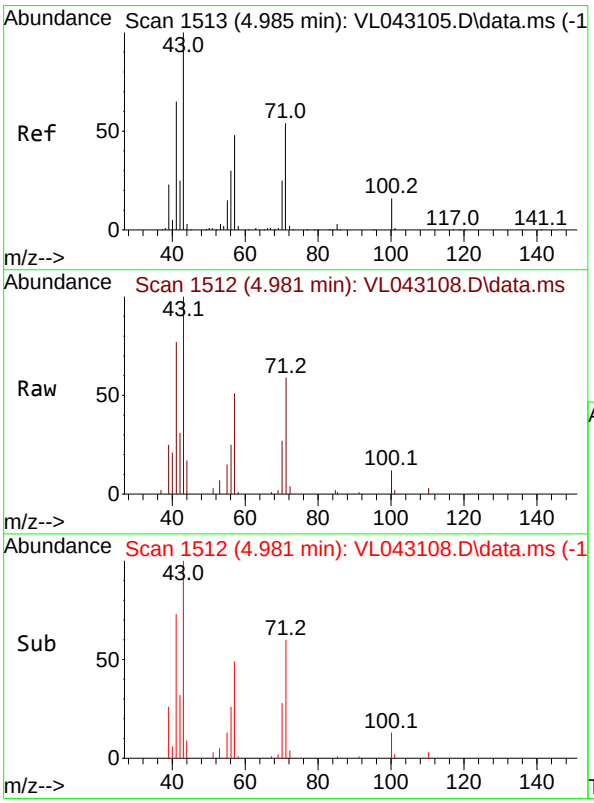
#9
Propene
Concen: 0.541 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 3750

Ion	Ratio	Lower	Upper
41	100		
42	75.0	55.1	82.7

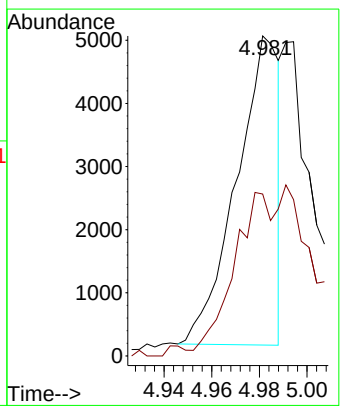


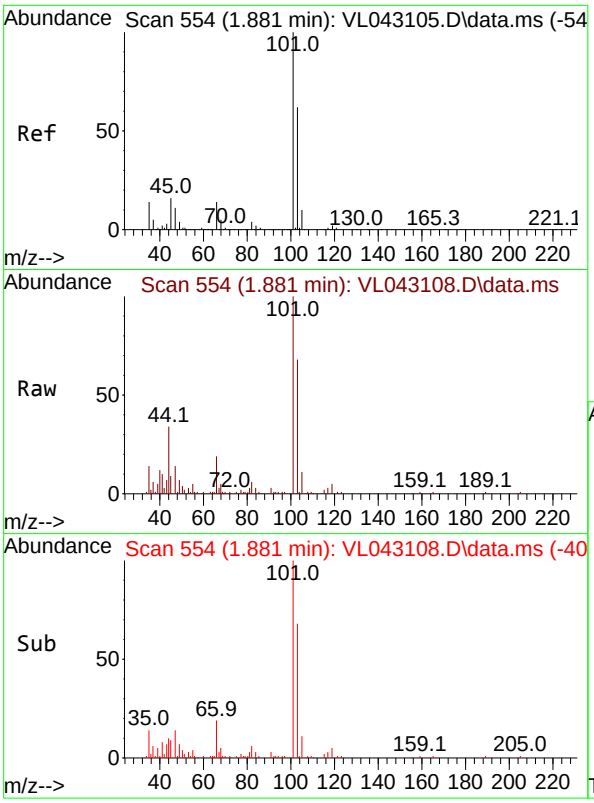


#10
Heptane
Concen: 0.304 ppbv
RT: 4.981 min Scan# 1512
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 6039

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.8	61.2#



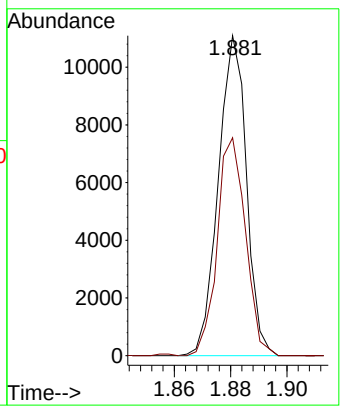


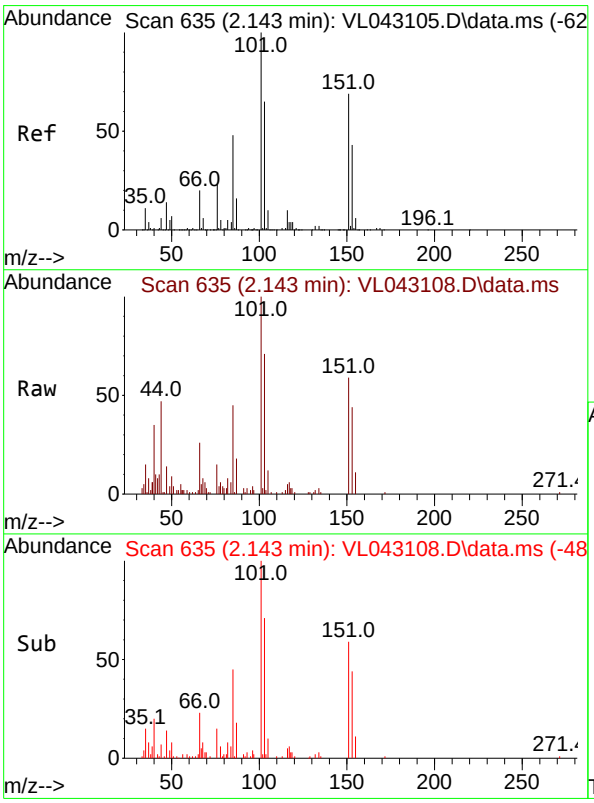
#11
Trichlorofluoromethane
Concen: 0.543 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 7672

Ion	Ratio	Lower	Upper
101	100		
103	68.1	49.3	73.9

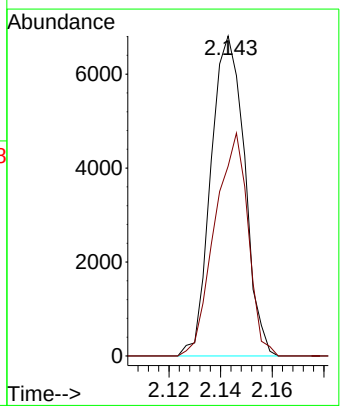


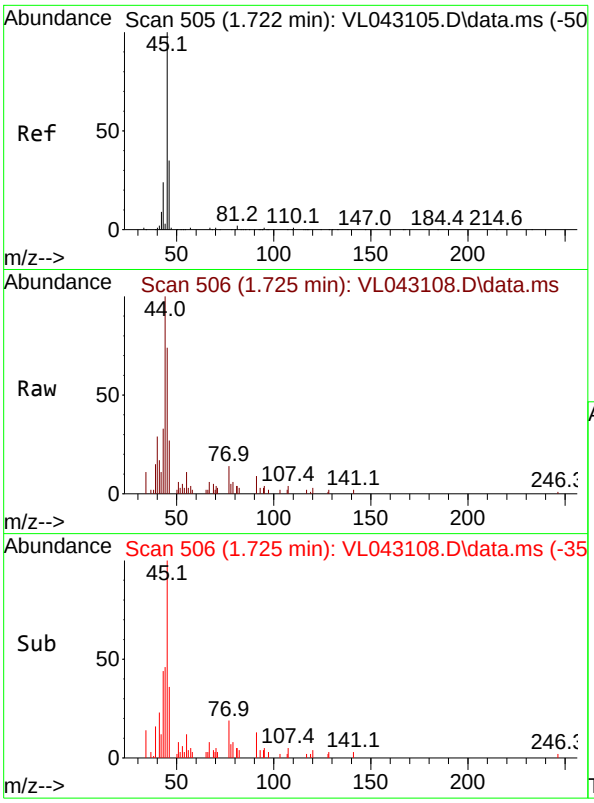


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.543 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:101 Resp: 6173

Ion	Ratio	Lower	Upper
101	100		
151	68.8	54.7	82.1



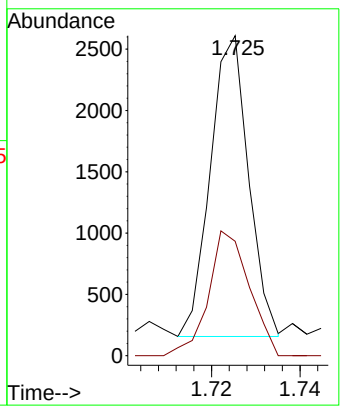


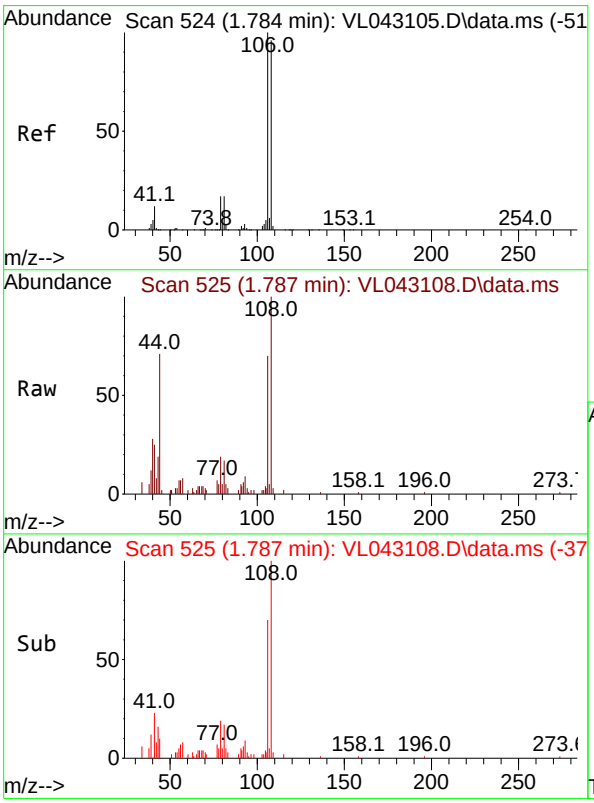
#13
Ethanol
Concen: 0.572 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 1468

Ion	Ratio	Lower	Upper
45	100		
46	45.1	14.7	58.9

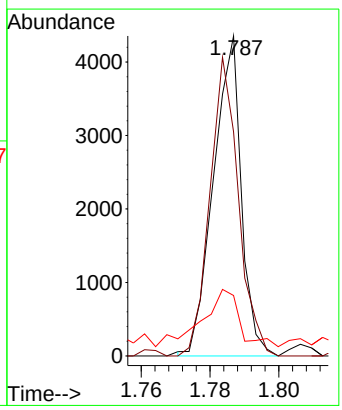


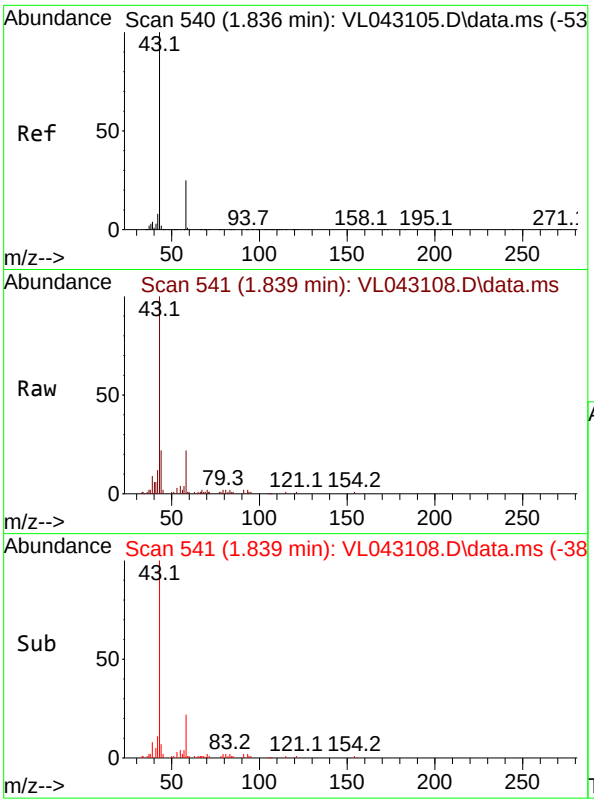


#14
Bromoethene
Concen: 0.578 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:108 Resp: 2444

Ion	Ratio	Lower	Upper
108	100		
106	98.2	84.4	126.6
79	31.2	15.3	22.9#



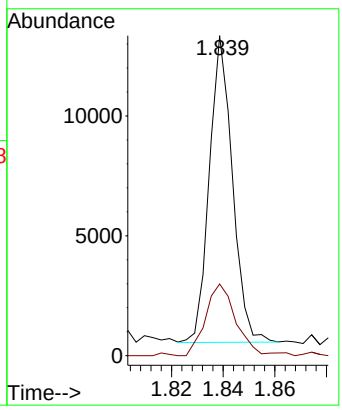


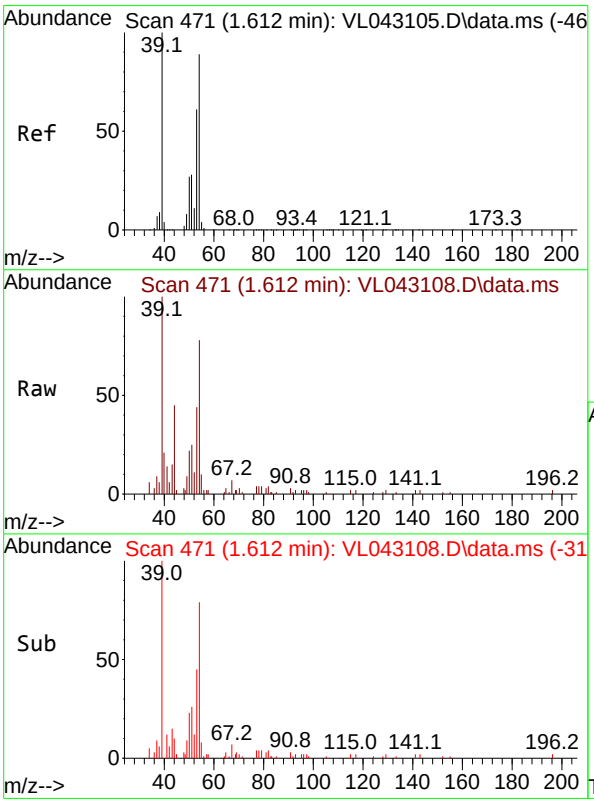
#15
Acetone
Concen: 0.576 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 7931

Ion	Ratio	Lower	Upper
43	100		
58	32.0	20.8	31.2#

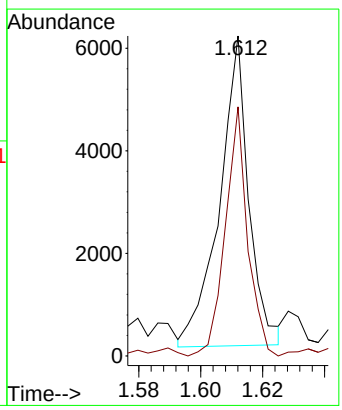


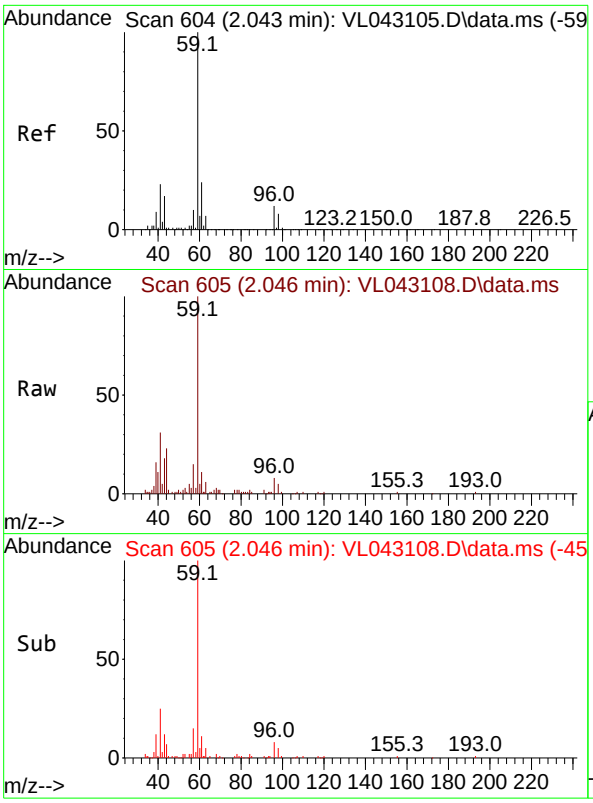


#16
1,3-Butadiene
Concen: 0.607 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 39 Resp: 3962

Ion	Ratio	Lower	Upper
39	100		
54	66.1	59.0	88.4



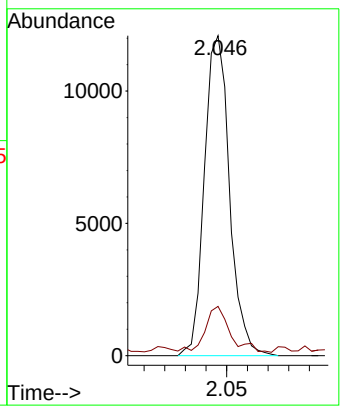


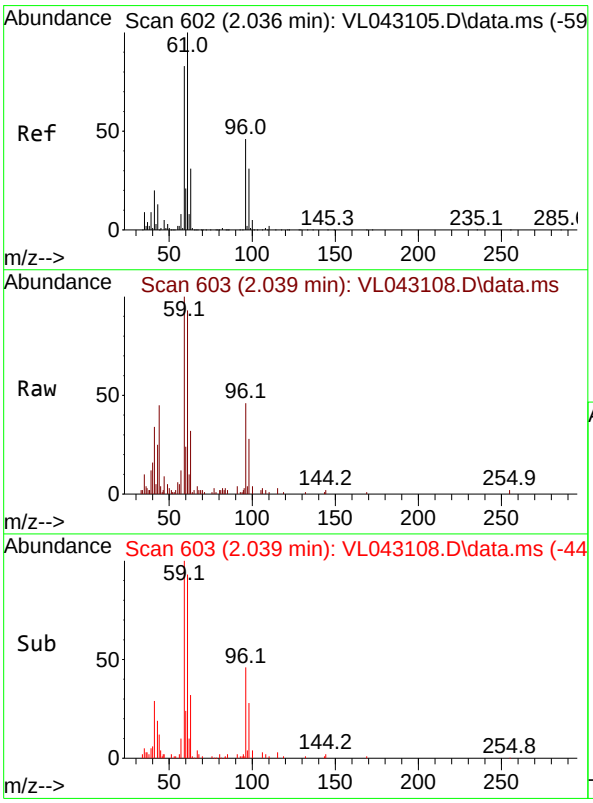
#17
tert-Butyl alcohol
Concen: 0.543 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 10213

Ion	Ratio	Lower	Upper
59	100		
57	14.8	8.2	12.4#

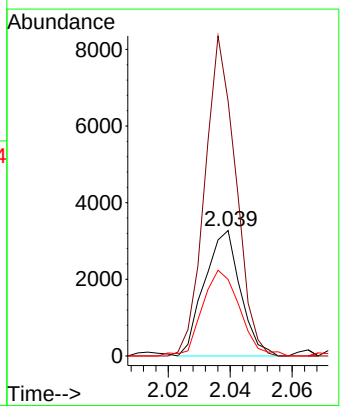


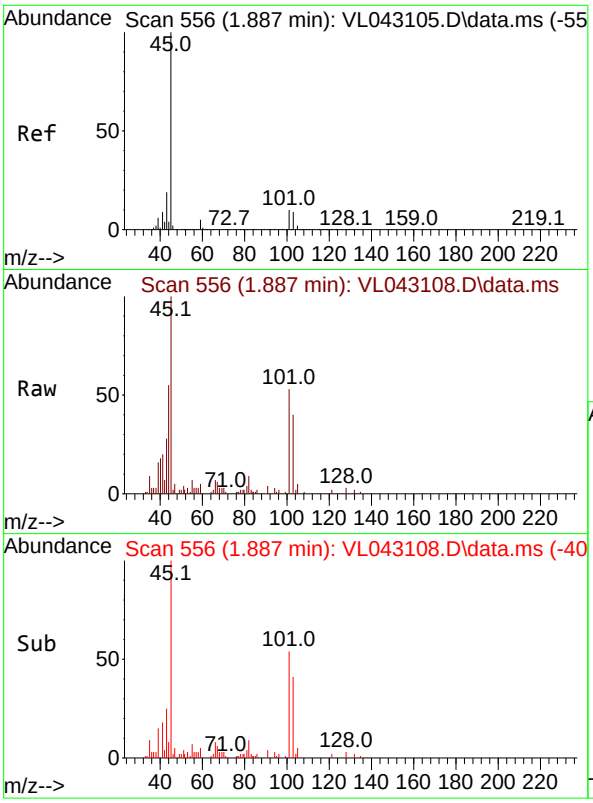


#18
1,1-Dichloroethene
Concen: 0.531 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 96 Resp: 2636

Ion	Ratio	Lower	Upper
96	100		
61	203.1	173.4	260.0
98	59.2	53.2	79.8



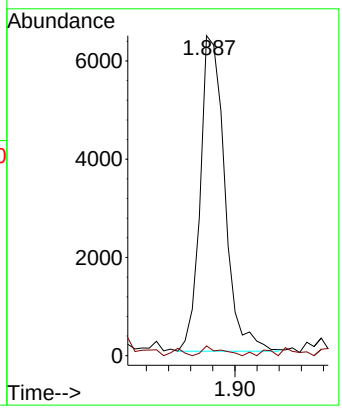


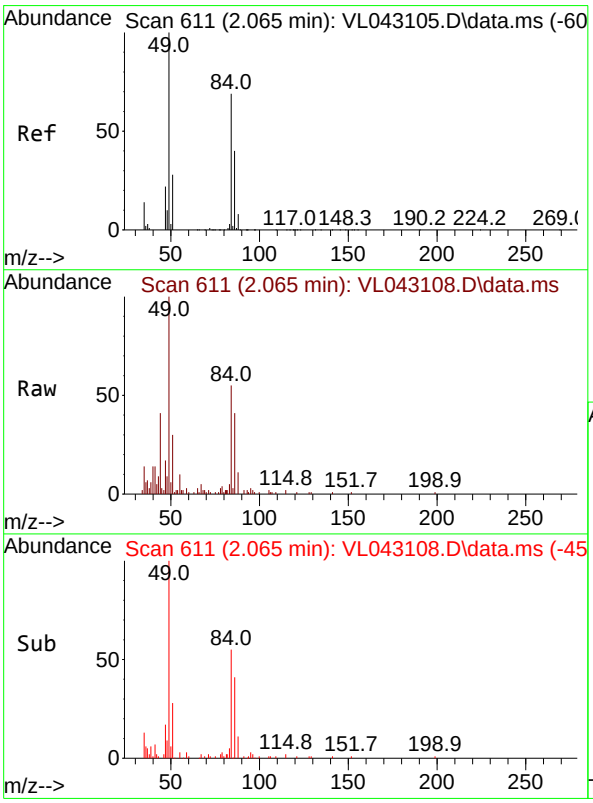
#19
Isopropyl Alcohol
Concen: 0.578 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 4932

Ion	Ratio	Lower	Upper
45	100		
58	4.1	31.3	46.9#

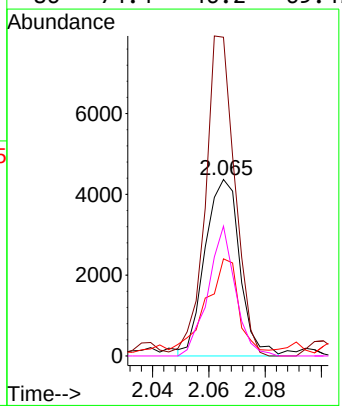


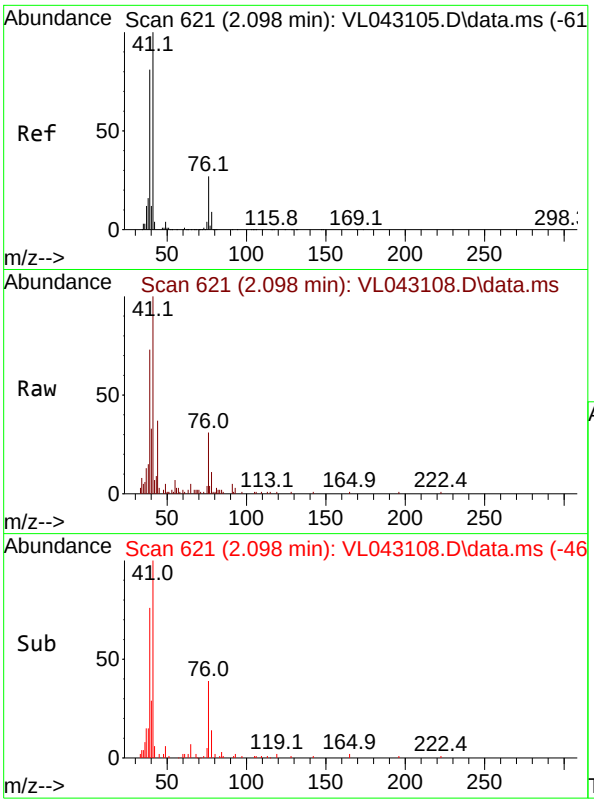


#20
Methylene Chloride
Concen: 0.693 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 84 Resp: 3750

Ion	Ratio	Lower	Upper
84	100		
49	182.8	116.6	175.0#
51	51.9	34.8	52.2
86	74.4	46.2	69.4#



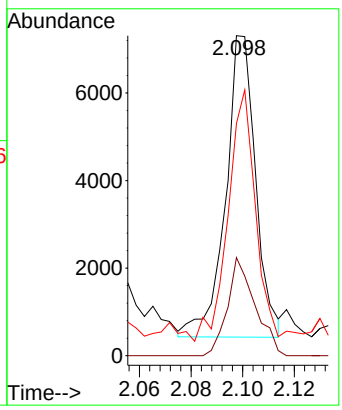


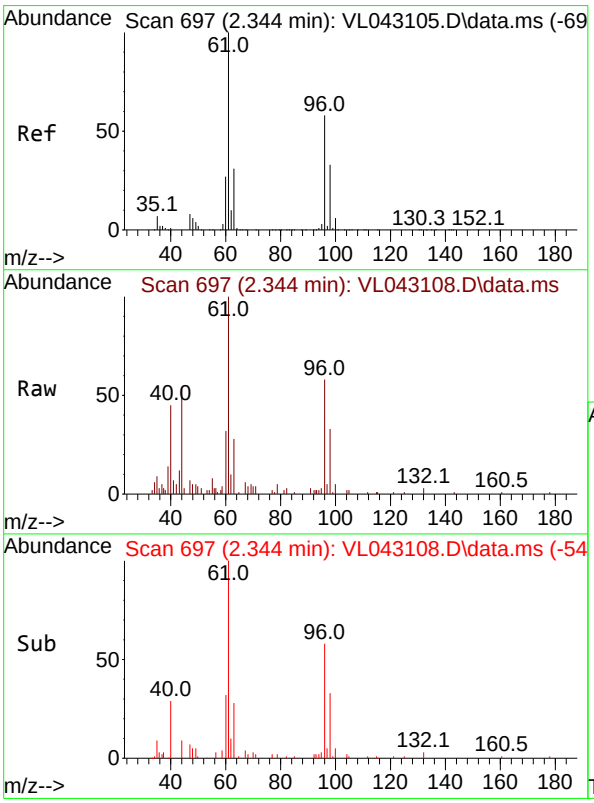
#21
Allyl Chloride
Concen: 0.551 ppbv
RT: 2.098 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 5575

Ion	Ratio	Lower	Upper
41	100		
76	30.0	21.5	32.3
39	75.1	60.8	91.2

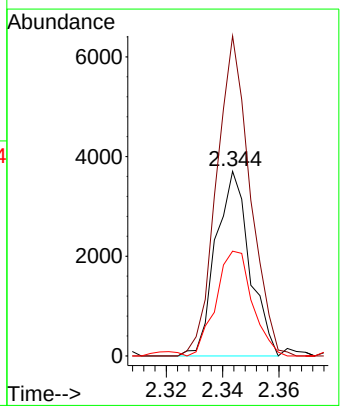


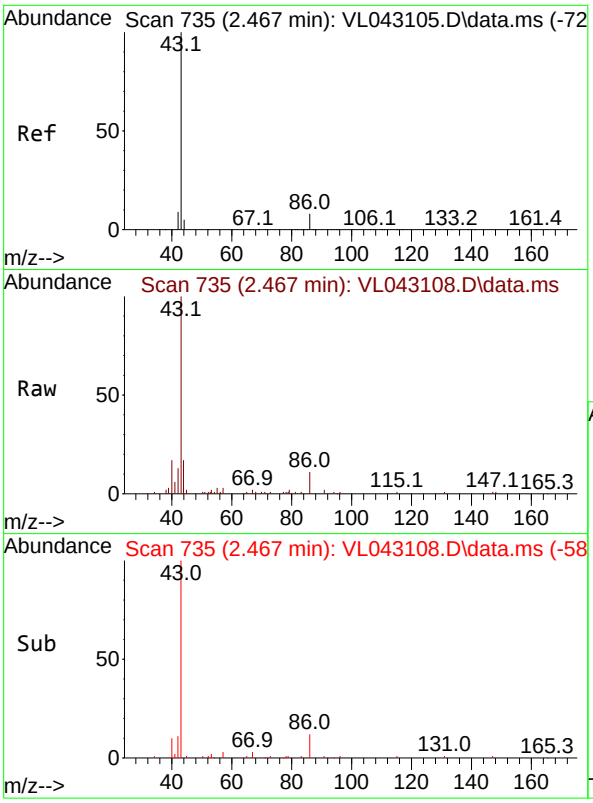


#22
trans-1,2-Dichloroethene
Concen: 0.522 ppbv
RT: 2.344 min Scan# 697
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 96 Resp: 3093

Ion	Ratio	Lower	Upper
96	100		
61	173.3	137.0	205.6
98	55.0	45.5	68.3



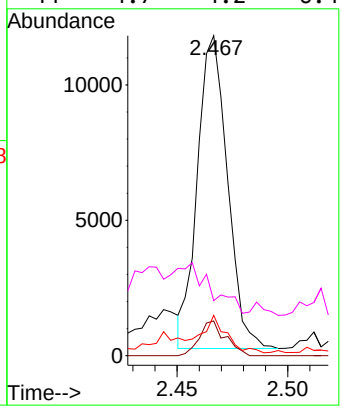


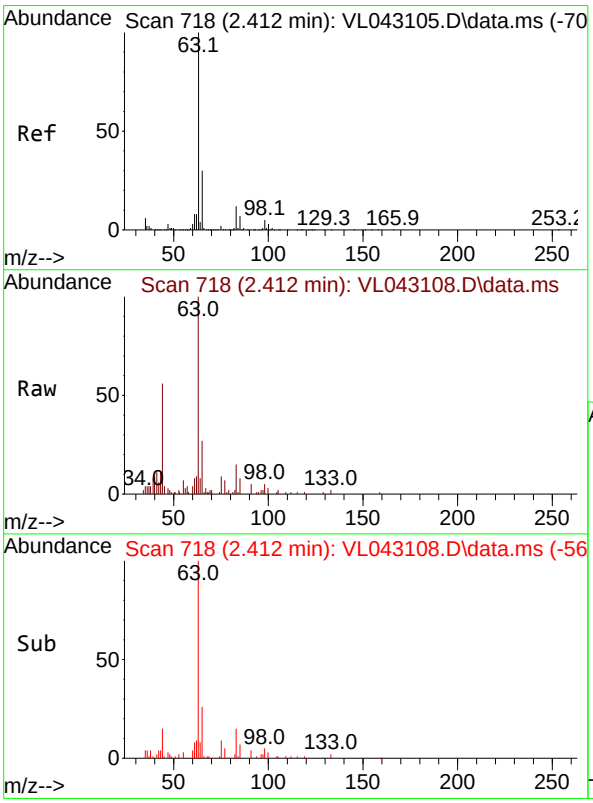
#23
Vinyl Acetate
Concen: 0.544 ppbv
RT: 2.467 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 10914

Ion	Ratio	Lower	Upper
43	100		
86	11.1	6.2	9.2#
42	9.0	7.6	11.4
44	4.7	4.2	6.4

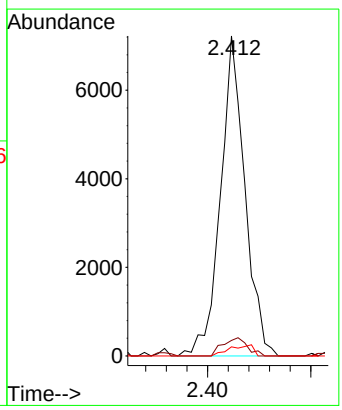


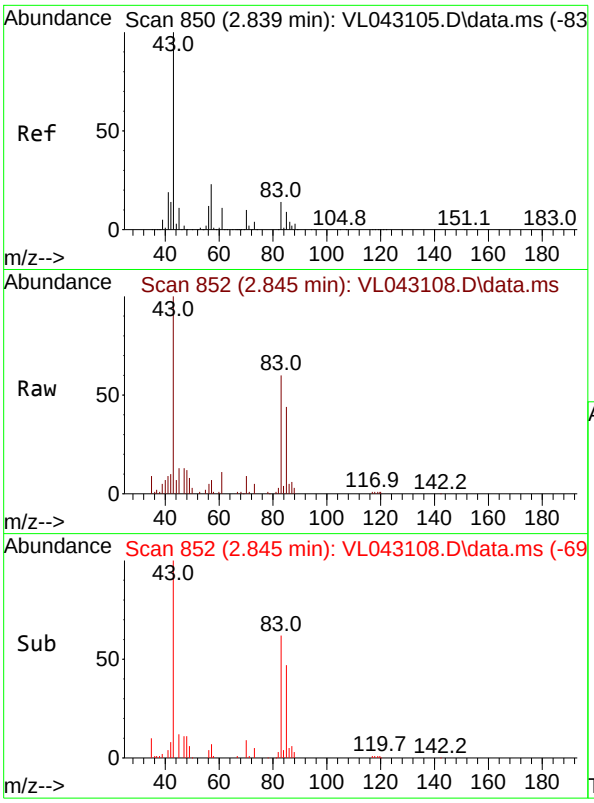


#24
1,1-Dichloroethane
Concen: 0.519 ppbv
RT: 2.412 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 63 Resp: 5942

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.6	7.8
100	2.8	1.5	4.4



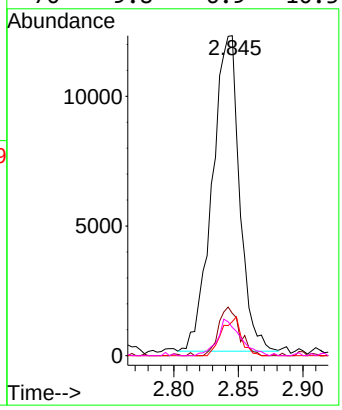


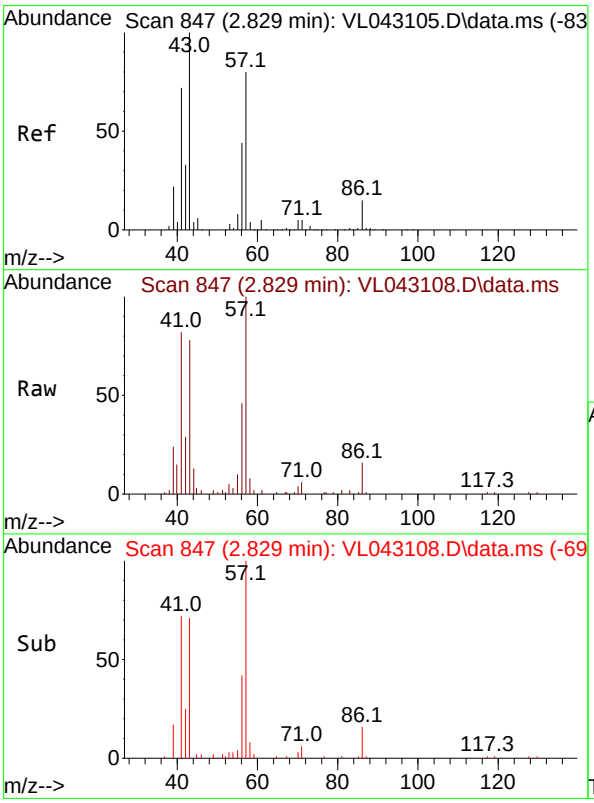
#25
Ethyl Acetate
Concen: 0.527 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 17918

Ion	Ratio	Lower	Upper
43	100		
45	12.3	7.8	11.8#
61	8.8	7.0	10.6
70	9.8	6.9	10.3

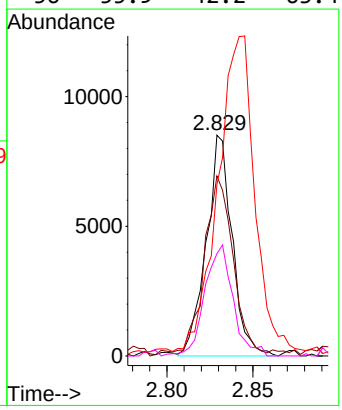


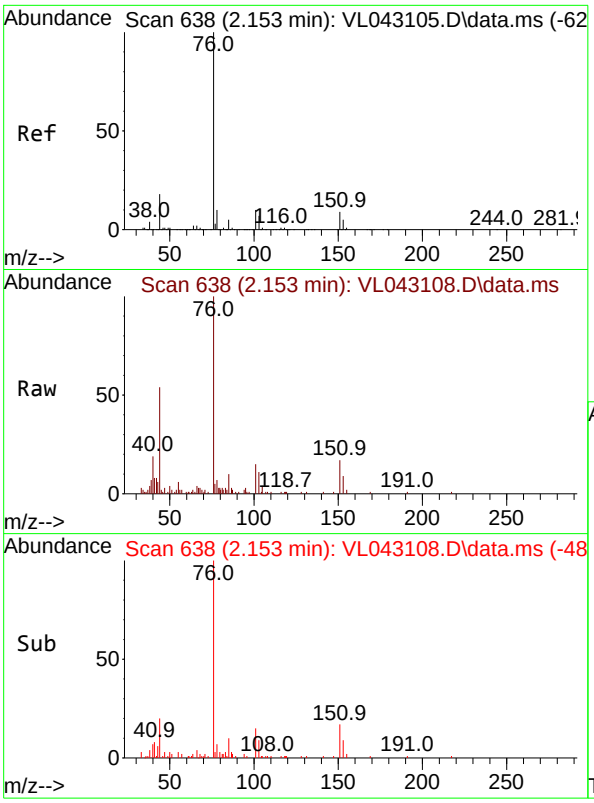


#26
Hexane
Concen: 0.569 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 57 Resp: 8908

Ion	Ratio	Lower	Upper
57	100		
41	90.3	71.4	107.0
43	211.8	178.5	267.7
56	55.9	42.2	63.4



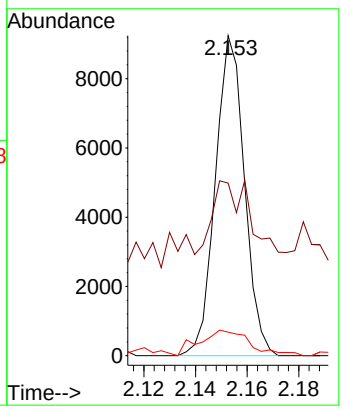


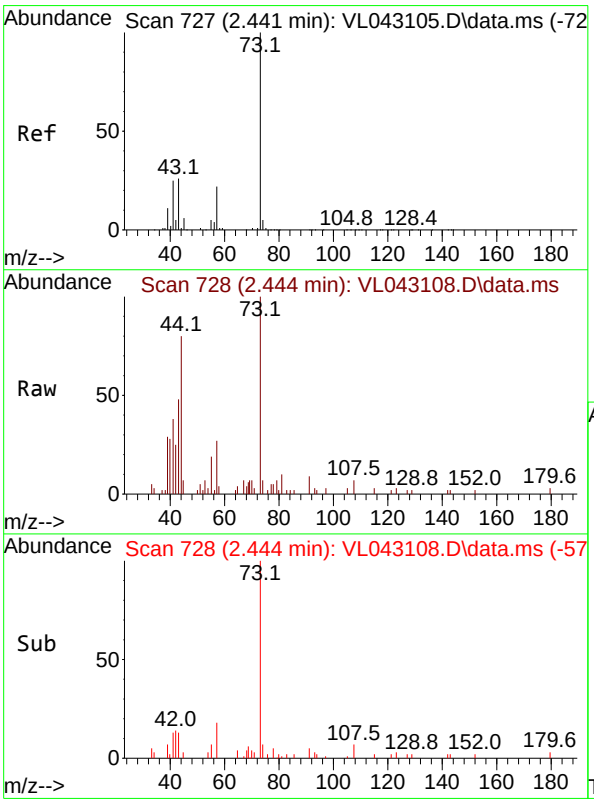
#27
Carbon Disulfide
Concen: 0.504 ppbv
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 7230

Ion	Ratio	Lower	Upper
76	100		
44	120.9	16.7	25.1#
78	13.9	9.3	13.9

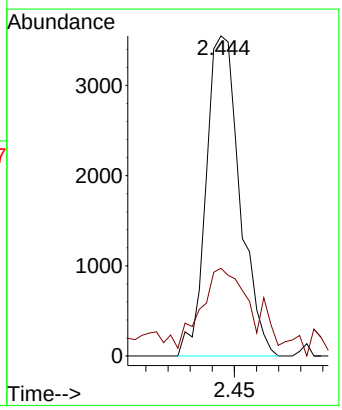


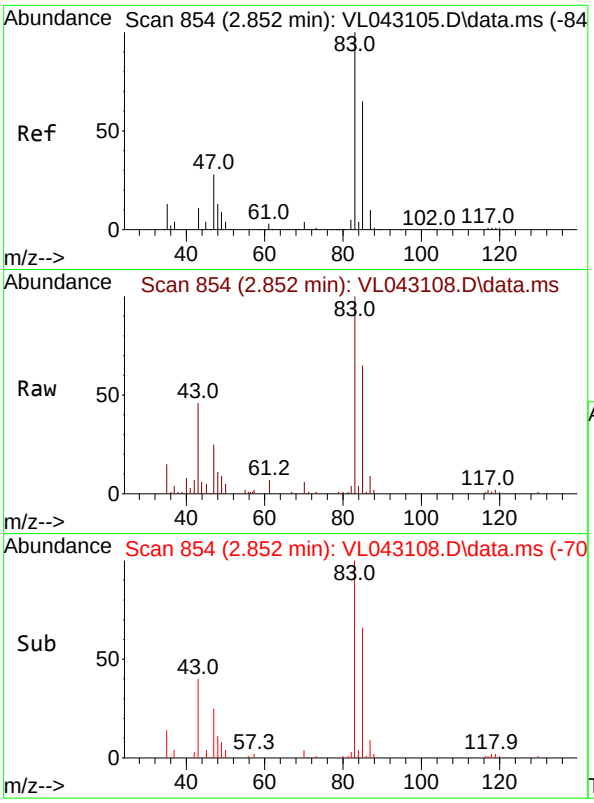


#28
Methyl tert-Butyl Ether
Concen: 0.529 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 73 Resp: 3770

Ion	Ratio	Lower	Upper
73	100		
57	52.7	20.5	30.7#



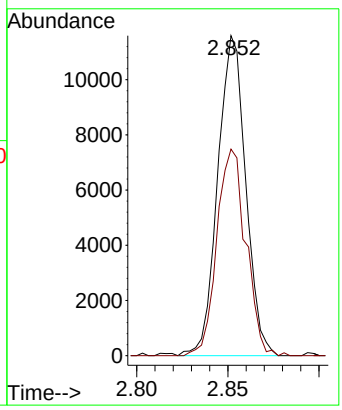


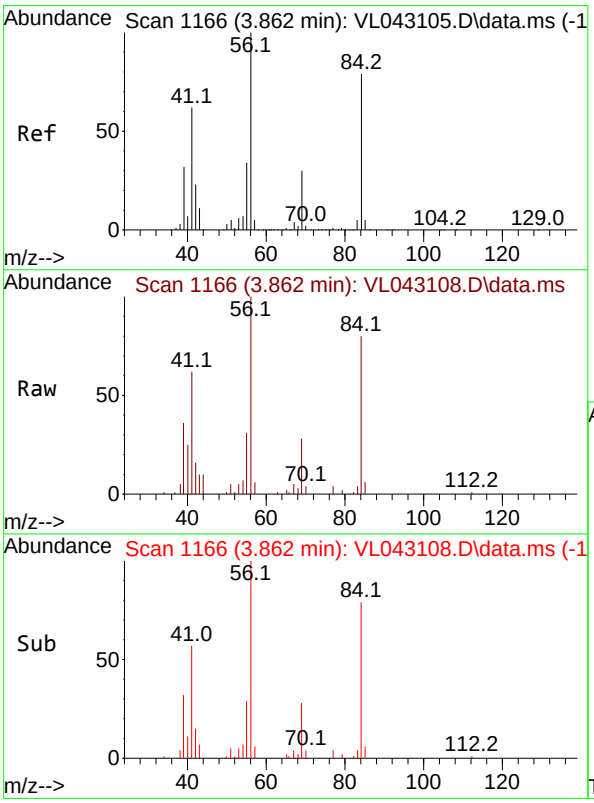
#29
Chloroform
Concen: 0.546 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 12384

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6

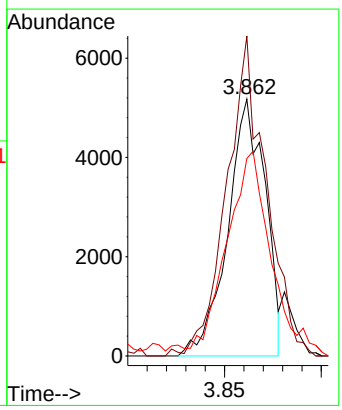


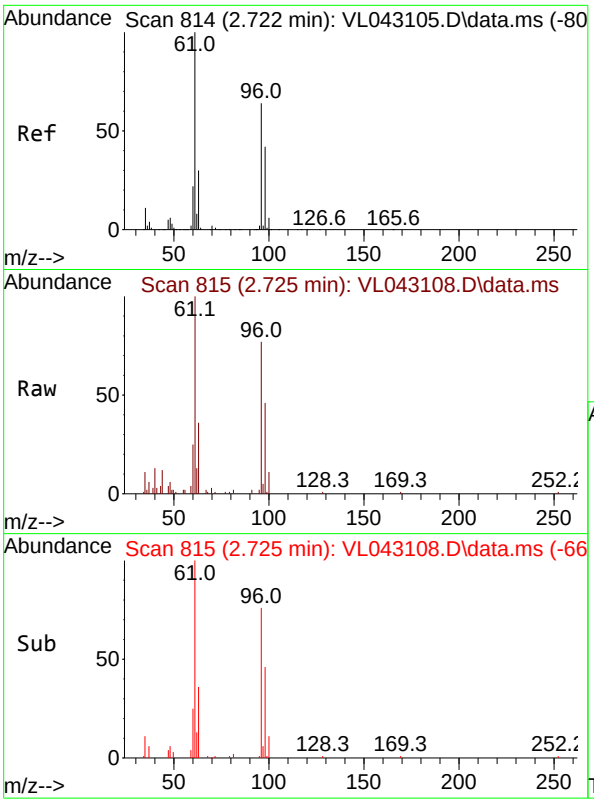


#30
Cyclohexane
Concen: 0.511 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 84 Resp: 6978

Ion	Ratio	Lower	Upper
84	100		
56	131.8	100.9	151.3
41	99.7	63.8	95.6#



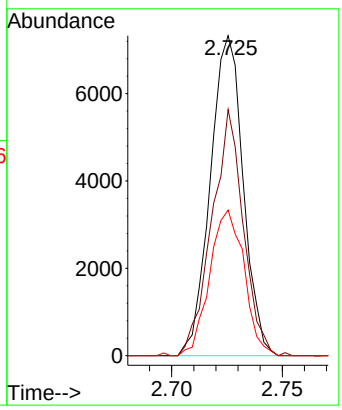


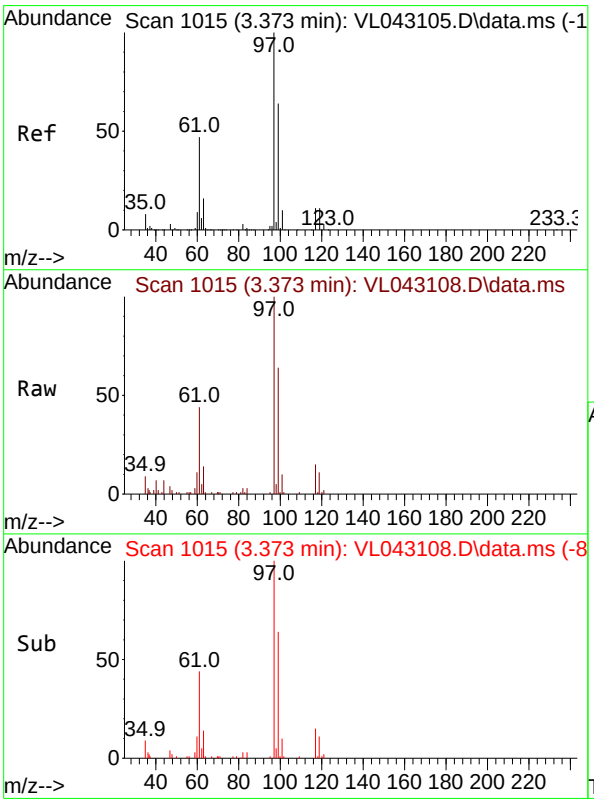
#31
cis-1,2-Dichloroethene
Concen: 0.507 ppbv
RT: 2.725 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 7576

Ion	Ratio	Lower	Upper
61	100		
96	76.9	51.0	76.6#
98	45.5	33.5	50.3

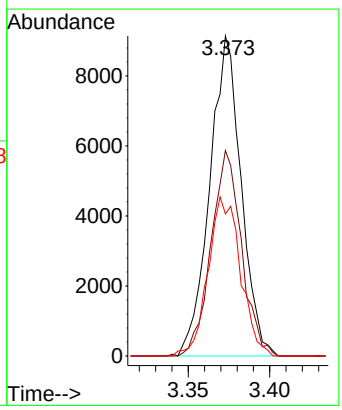


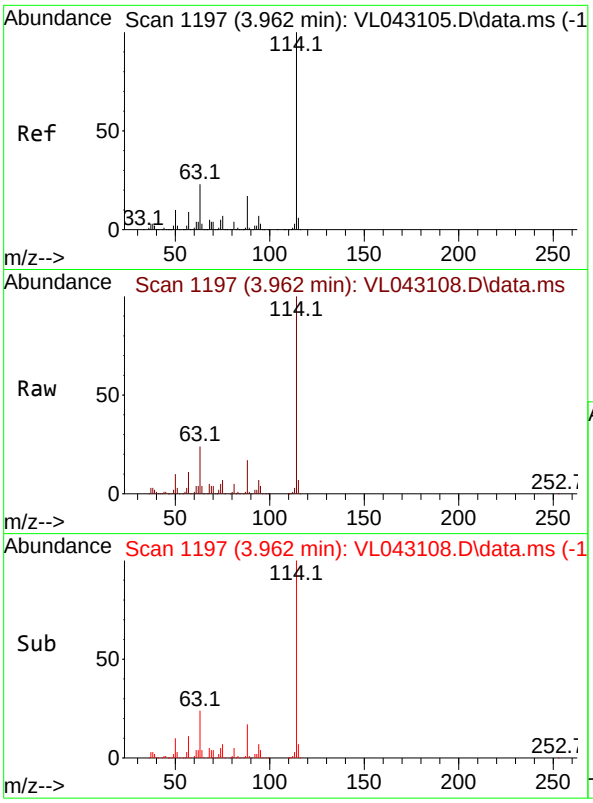


#32
1,1,1-Trichloroethane
Concen: 0.518 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 97 Resp: 12234

Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.3	76.9
61	51.2	38.4	57.6



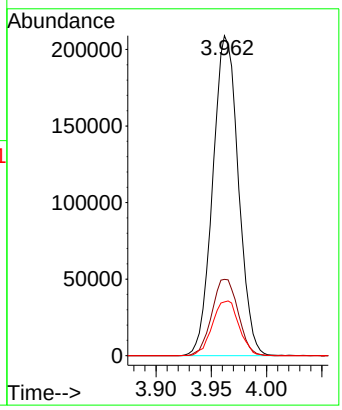


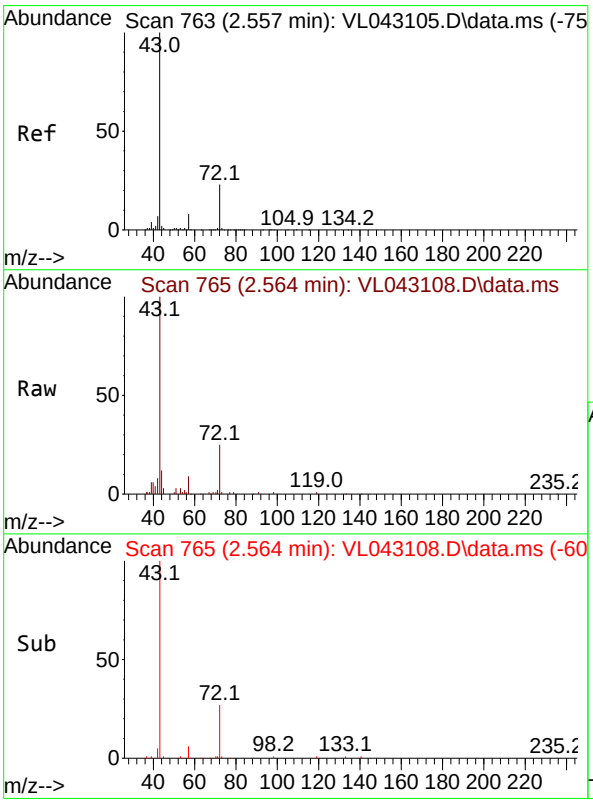
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 336188

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.3	28.9
88	17.9	13.9	20.9

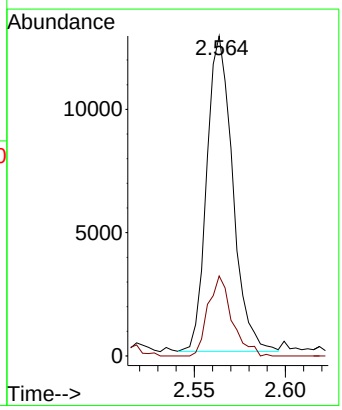


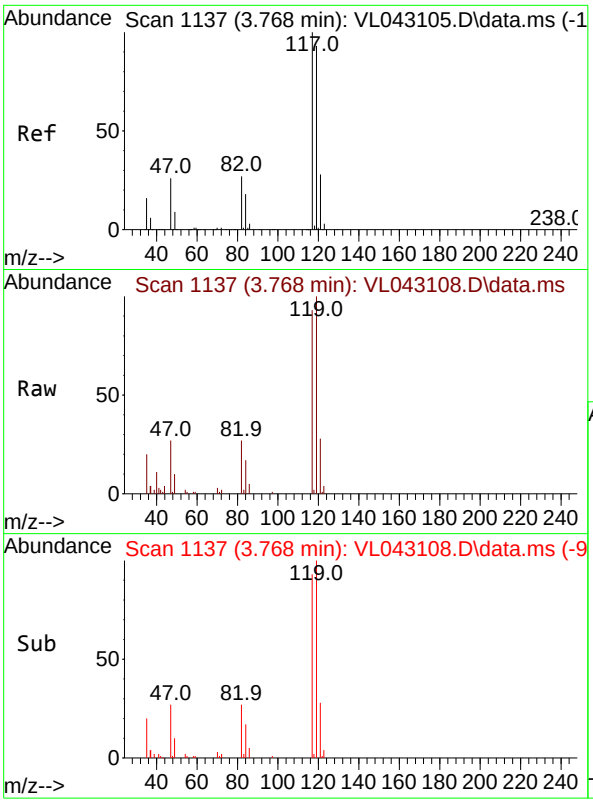


#34
2-Butanone
Concen: 0.557 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 12659

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.4	27.6



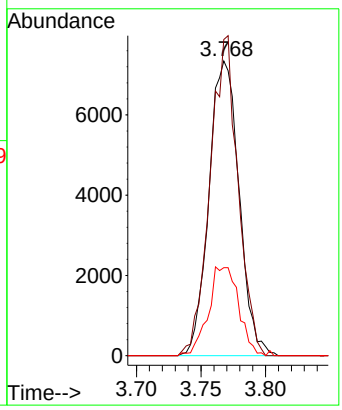


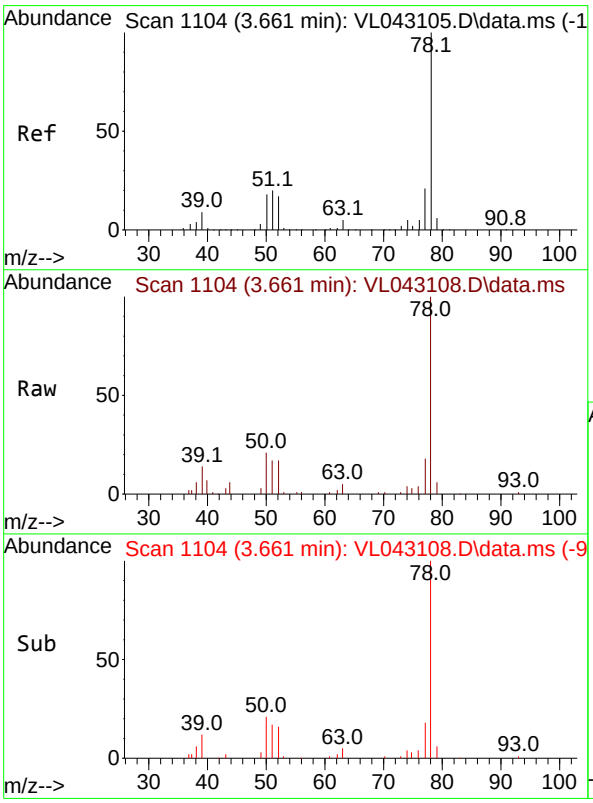
#35
Carbon Tetrachloride
Concen: 0.494 ppbv
RT: 3.768 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 11931

Ion	Ratio	Lower	Upper
117	100		
119	107.3	74.1	111.1
121	29.9	22.2	33.2

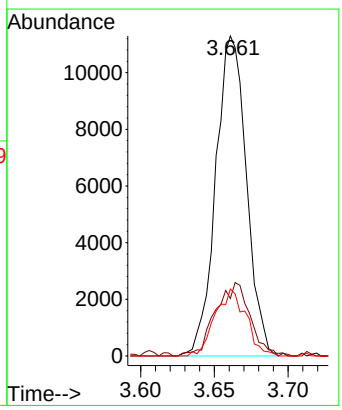


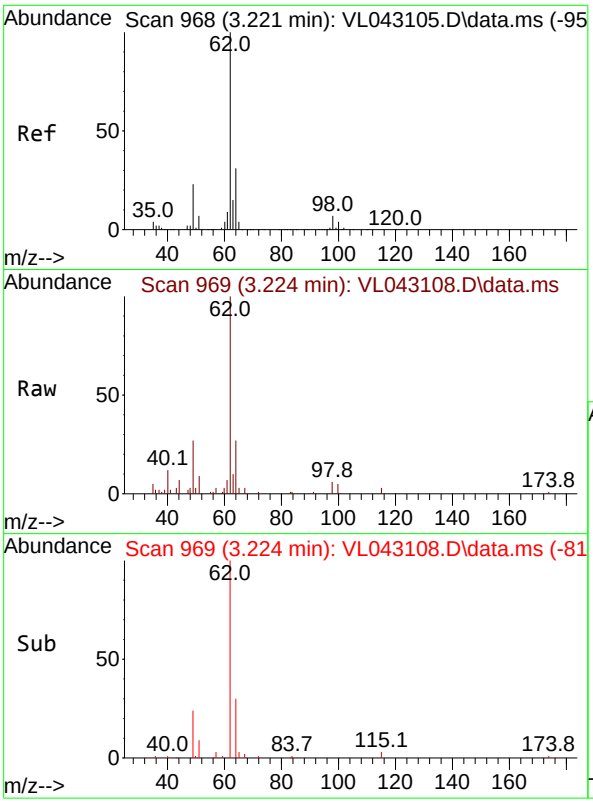


#36
Benzene
Concen: 0.517 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 78 Resp: 16376

Ion	Ratio	Lower	Upper
78	100		
77	18.0	17.0	25.6
50	20.9	14.6	22.0



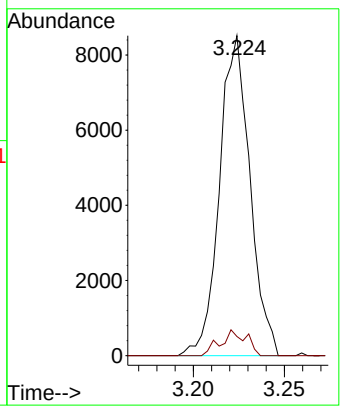


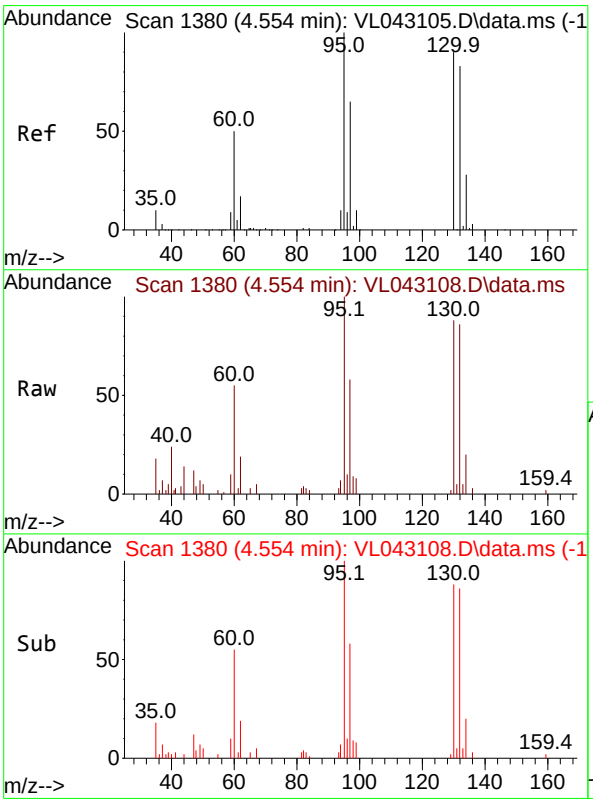
#37
1,2-Dichloroethane
Concen: 0.543 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 9907

Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.8	8.6

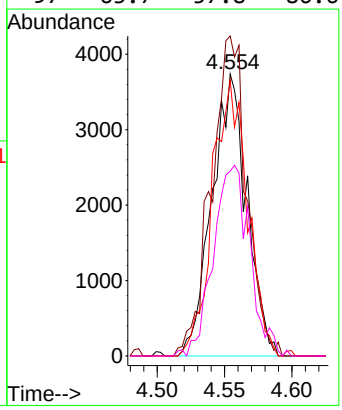


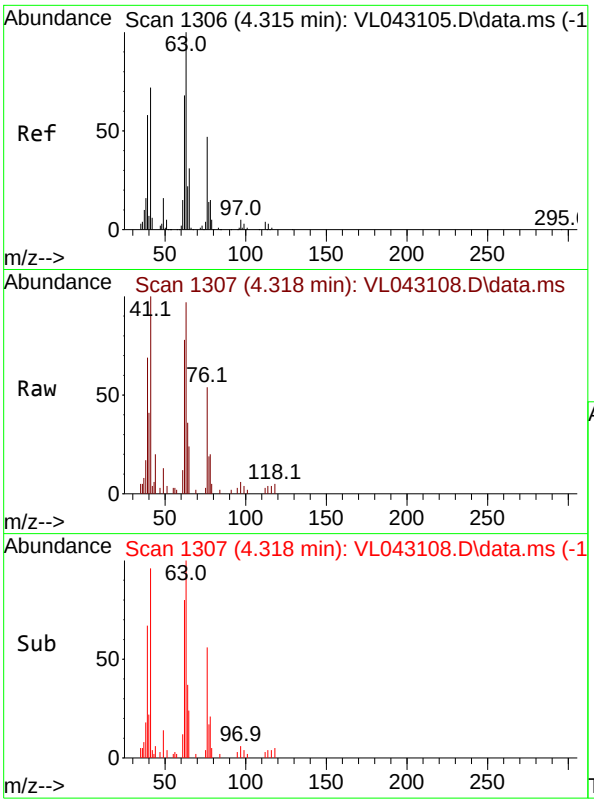


#38
Trichloroethene
Concen: 0.511 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:130 Resp: 6745

Ion	Ratio	Lower	Upper
130	100		
95	110.7	88.6	133.0
132	97.8	73.4	110.0
97	63.7	57.8	86.6



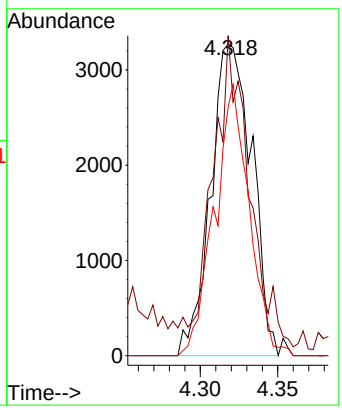


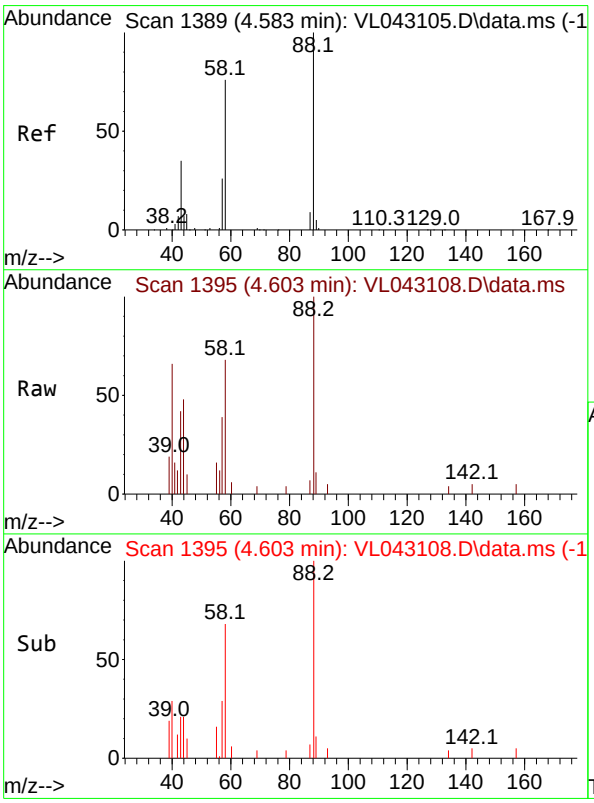
#39
1,2-Dichloropropane
Concen: 0.521 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 6032

Ion	Ratio	Lower	Upper
63	100		
41	93.9	58.0	87.0#
62	79.6	54.7	82.1

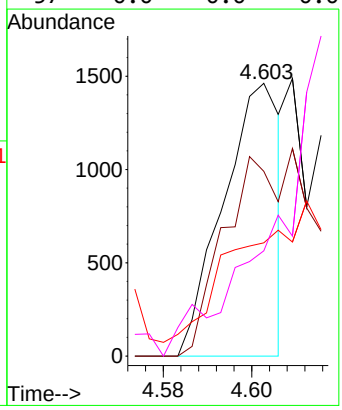


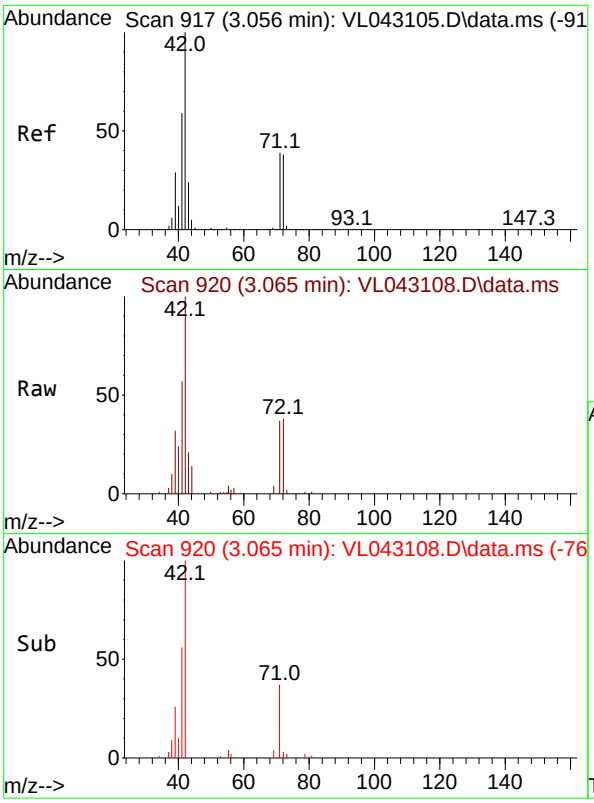


#40
1,4-Dioxane
Concen: 0.252 ppbv
RT: 4.603 min Scan# 1395
Delta R.T. 0.019 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 88 Resp: 1303

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	24.5	24.0	36.0
57	0.0	0.0	0.0



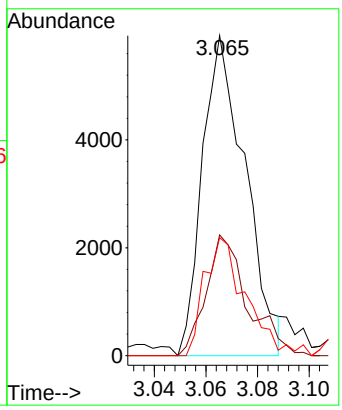


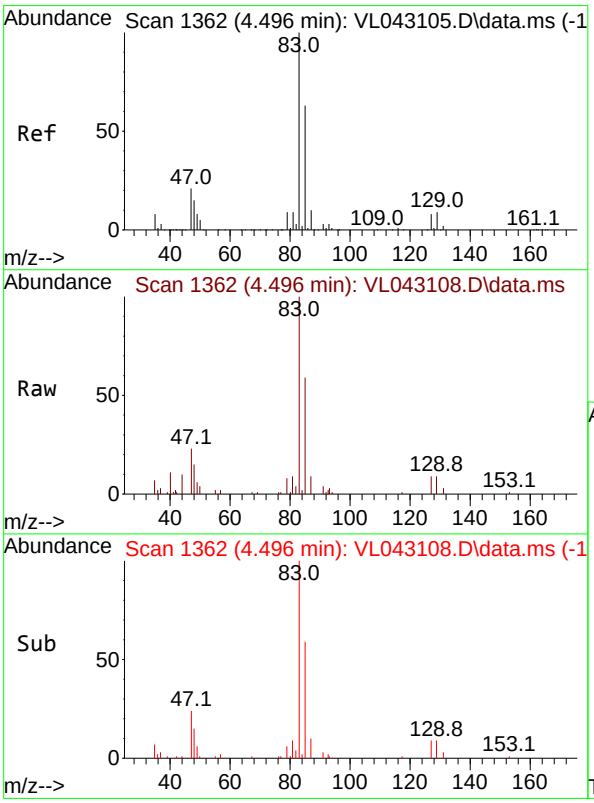
#41
Tetrahydrofuran
Concen: 0.538 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.009 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 6831

Ion	Ratio	Lower	Upper
42	100		
72	36.6	31.3	46.9
71	37.2	30.4	45.6

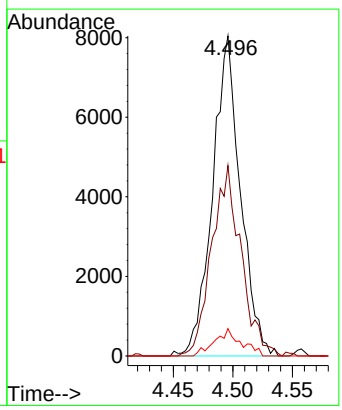


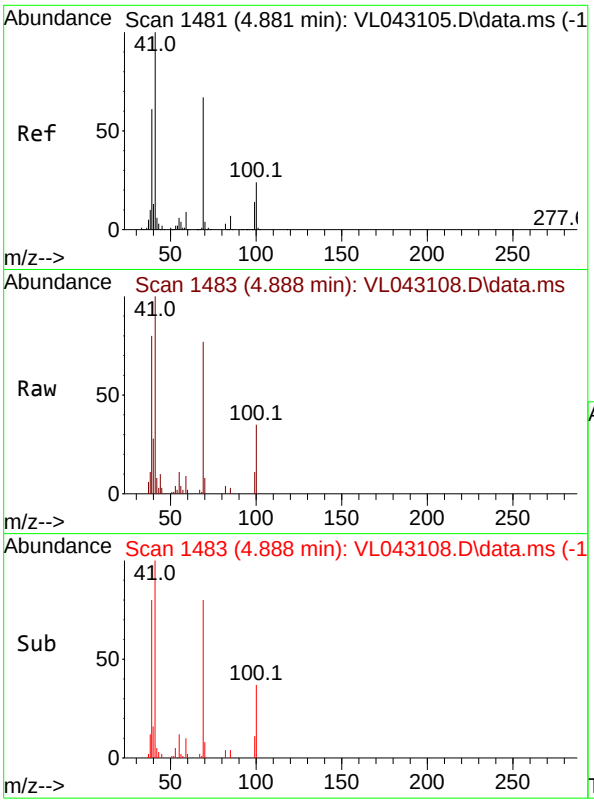


#42
Bromodichloromethane
Concen: 0.519 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 83 Resp: 13094

Ion	Ratio	Lower	Upper
83	100		
85	59.5	50.6	75.8
127	8.5	6.3	9.5



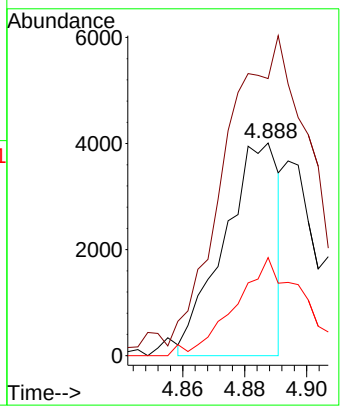


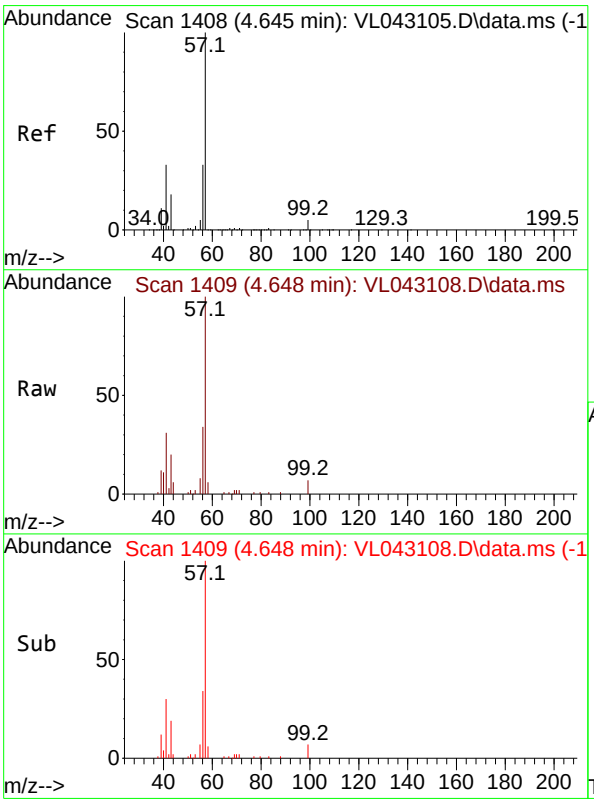
#43
Methyl Methacrylate
Concen: 0.303 ppbv
RT: 4.888 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 4902

Ion	Ratio	Lower	Upper
69	100		
41	0.0	120.5	180.7#
100	61.1	29.0	43.4#

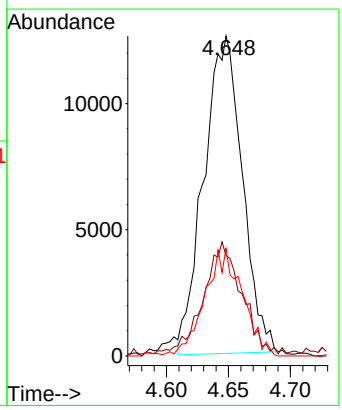


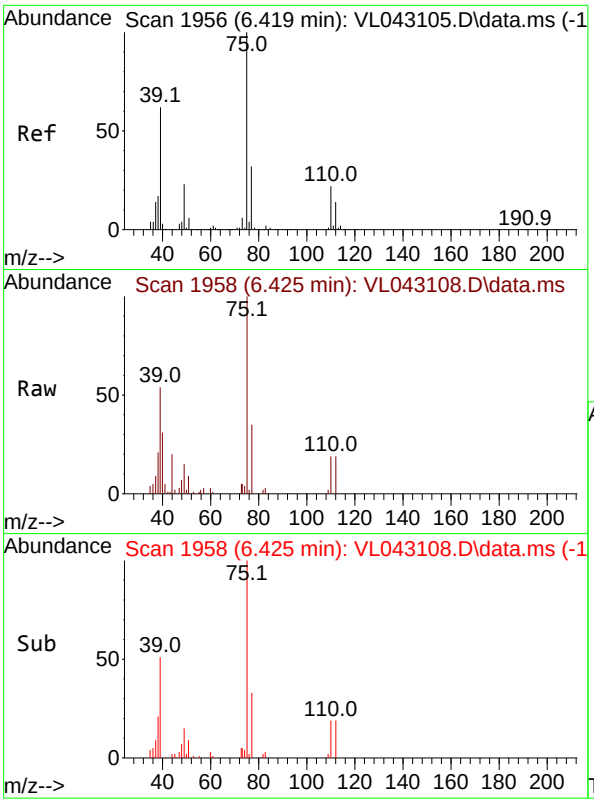


#44
2,2,4-Trimethylpentane
Concen: 0.516 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 57 Resp: 27304

Ion	Ratio	Lower	Upper
57	100		
41	34.2	26.3	39.5
56	33.3	25.9	38.9



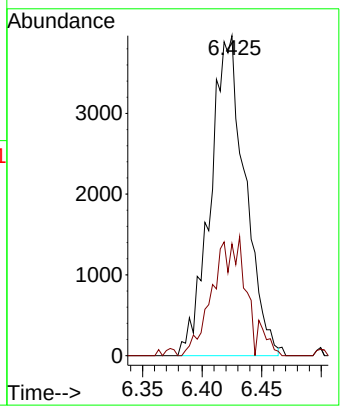


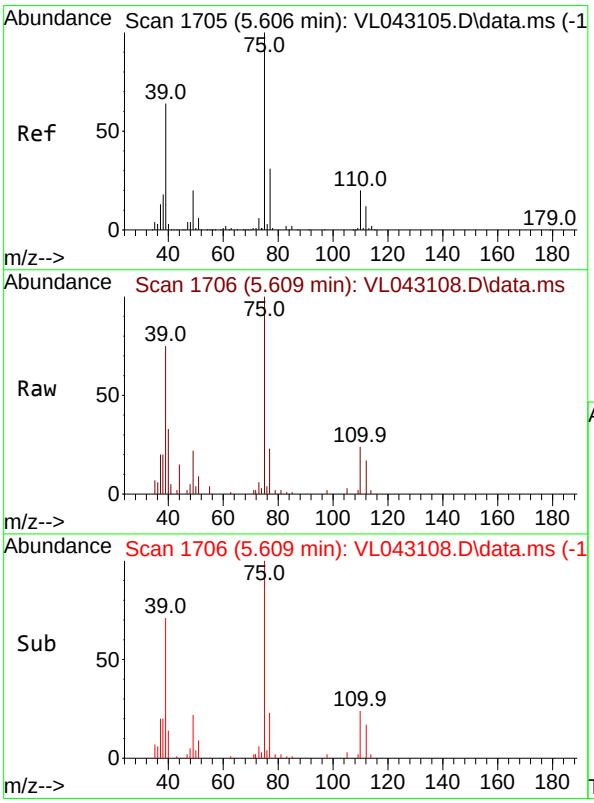
#45
t-1,3-Dichloropropene
Concen: 0.498 ppbv
RT: 6.425 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 8030

Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.4	38.2

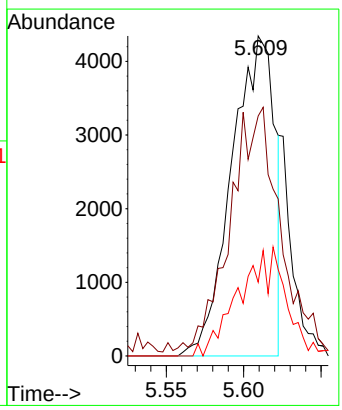


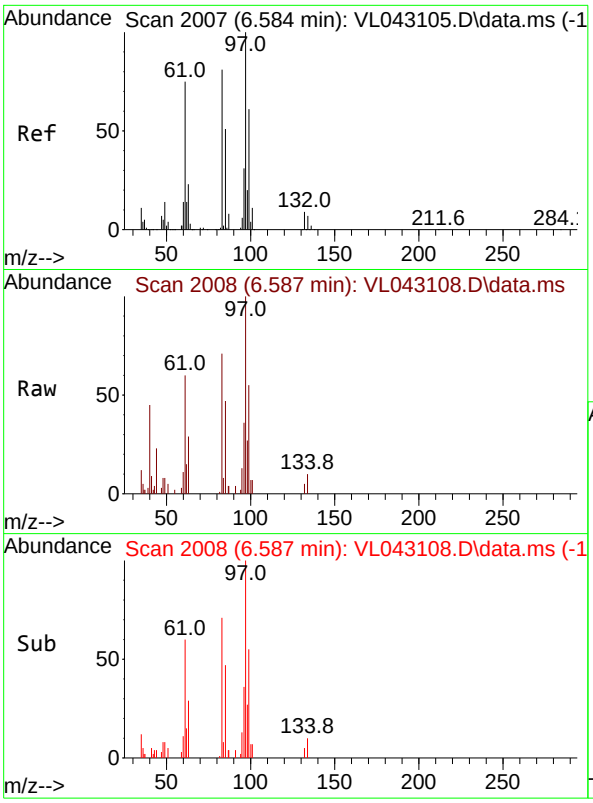


#46
cis-1,3-Dichloropropene
Concen: 0.435 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 75 Resp: 8375

Ion	Ratio	Lower	Upper
75	100		
39	72.5	51.0	76.6
77	23.1	25.0	37.4#



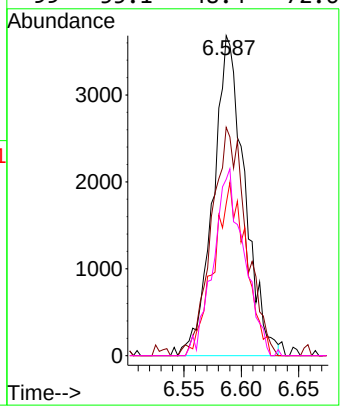


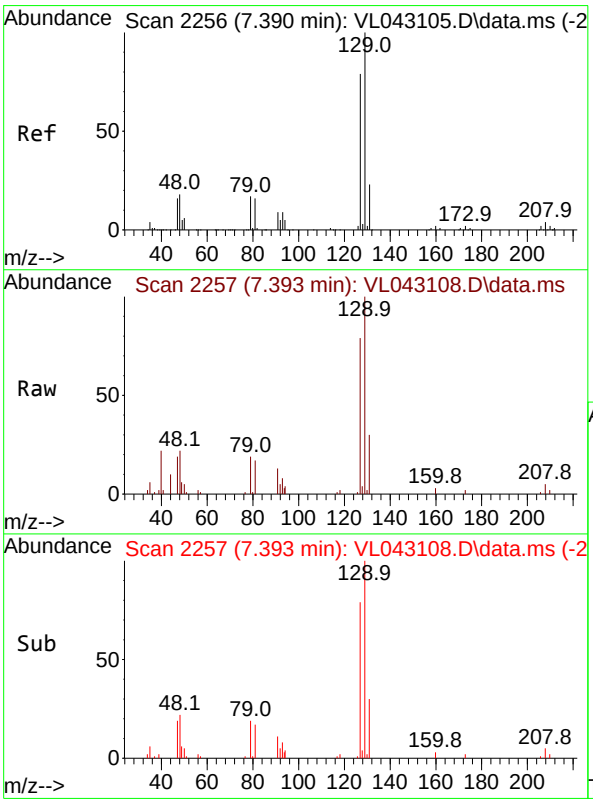
#47
1,1,2-Trichloroethane
Concen: 0.560 ppbv
RT: 6.587 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 6996

Ion	Ratio	Lower	Upper
97	100		
83	71.4	64.6	96.8
85	47.5	40.6	60.8
99	55.1	48.4	72.6

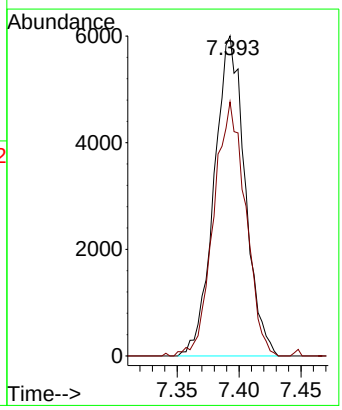


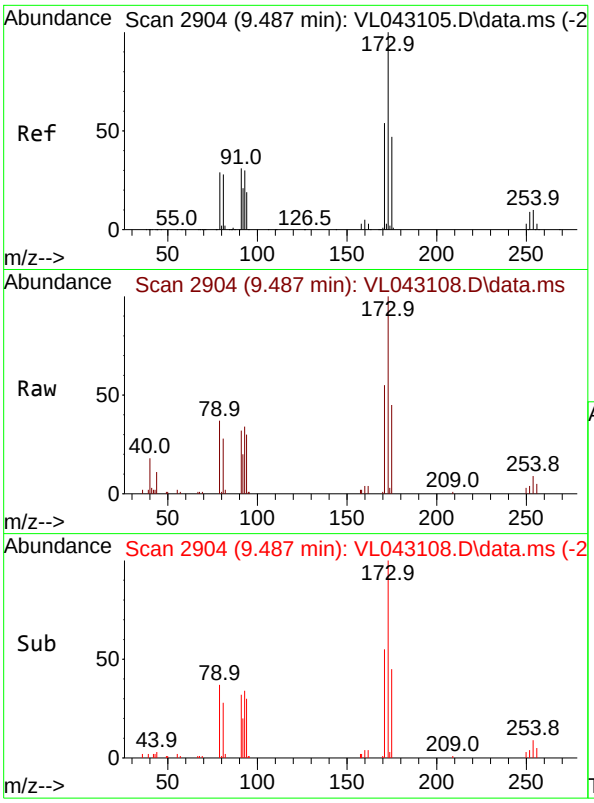


#48
Dibromochloromethane
Concen: 0.498 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:129 Resp: 10413

Ion	Ratio	Lower	Upper
129	100		
127	82.2	39.3	117.9



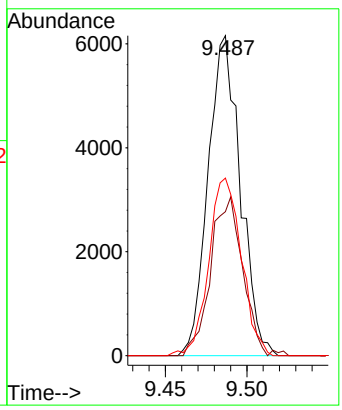


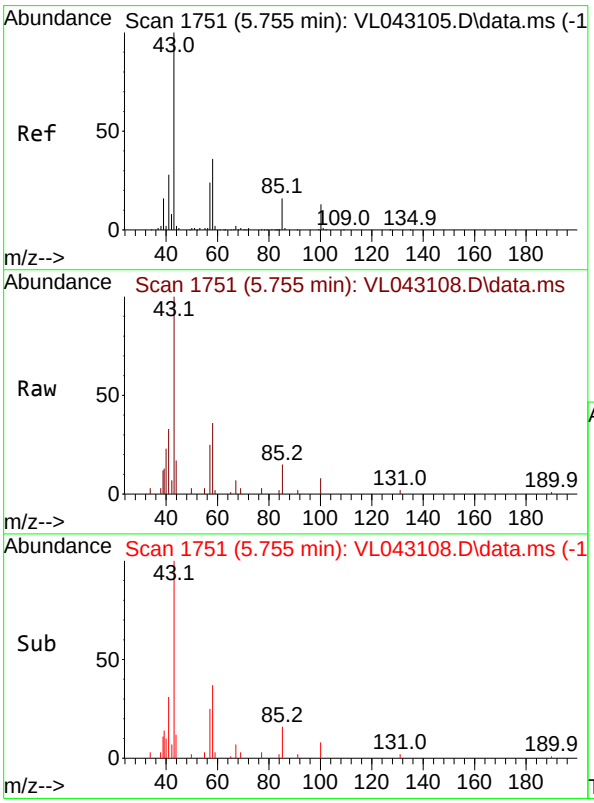
#49
Bromoform
Concen: 0.498 ppbv
RT: 9.487 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 8455

Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.8	58.2
171	56.3	41.7	62.5

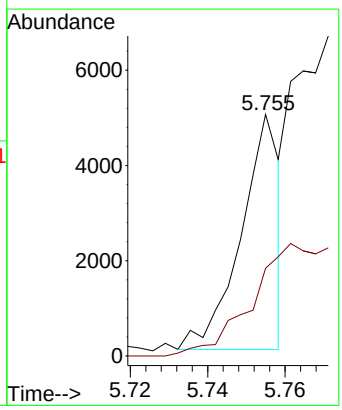


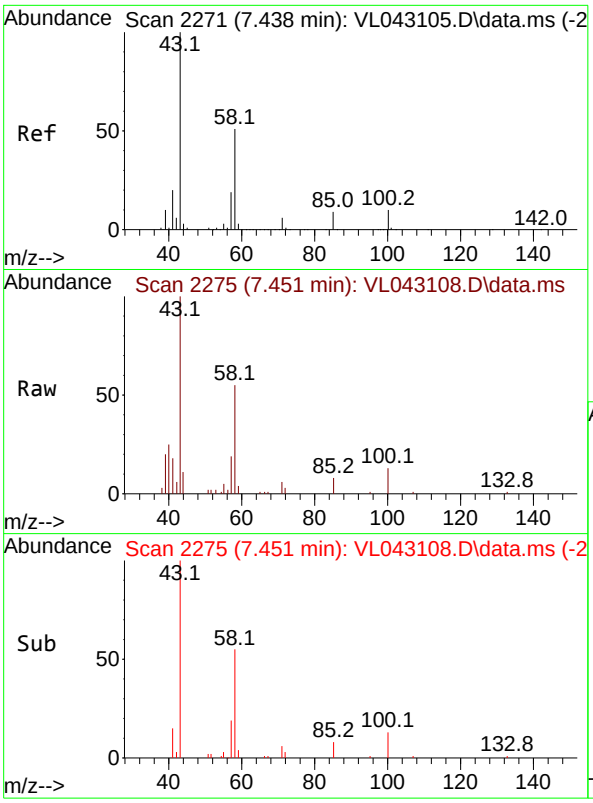


#50
4-Methyl-2-Pentanone
Concen: 0.110 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 3434

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#



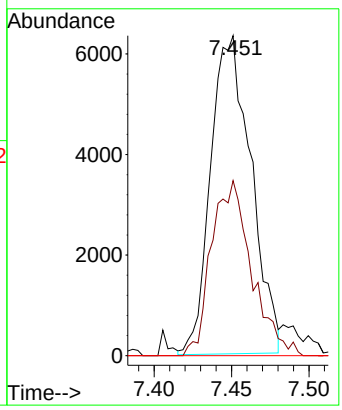


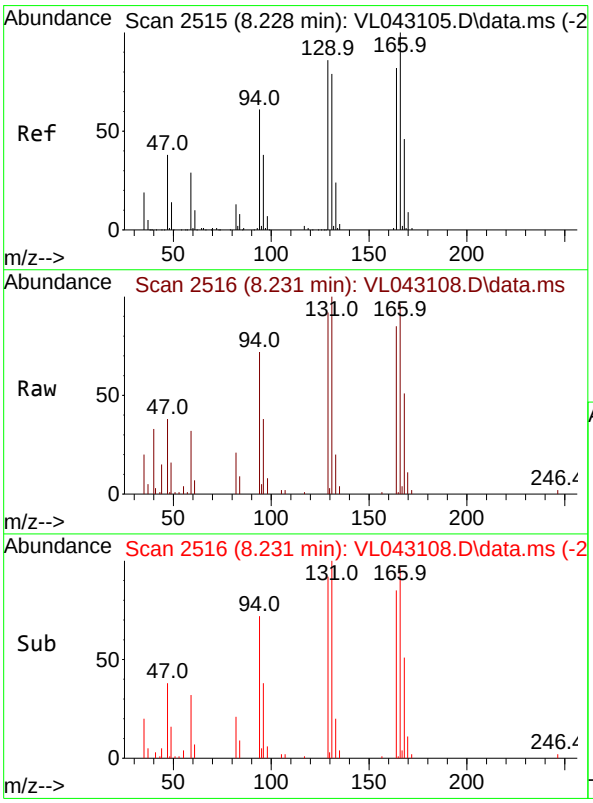
#51
2-Hexanone
Concen: 0.491 ppbv
RT: 7.451 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 11485

Ion	Ratio	Lower	Upper
43	100		
58	54.7	40.4	60.6
98	0.0	0.1	0.1#

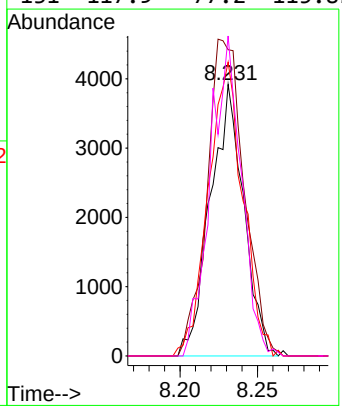


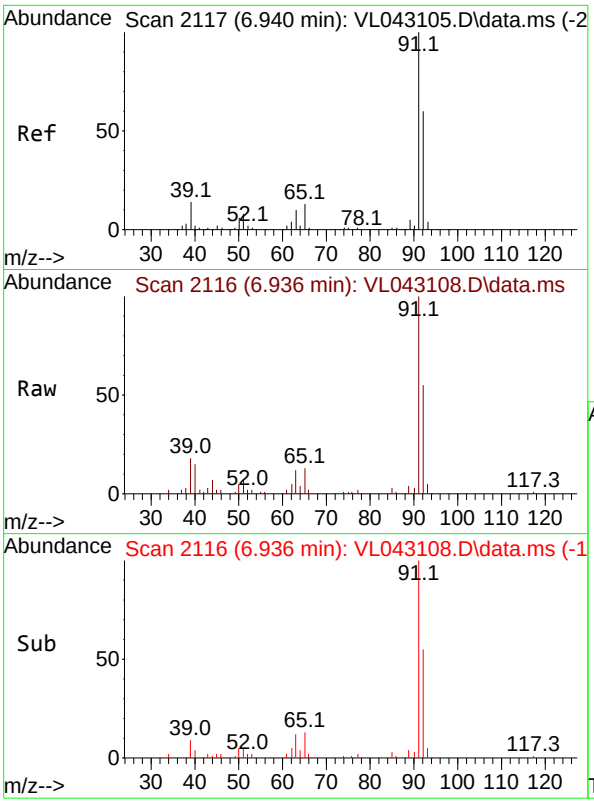


#52
Tetrachloroethene
Concen: 0.513 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:164 Resp: 5863

Ion	Ratio	Lower	Upper
164	100		
166	112.8	97.6	146.4
129	106.1	84.5	126.7
131	117.9	77.2	115.8#



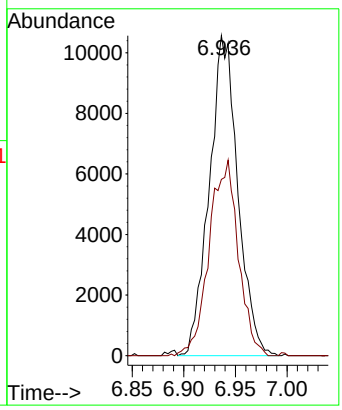


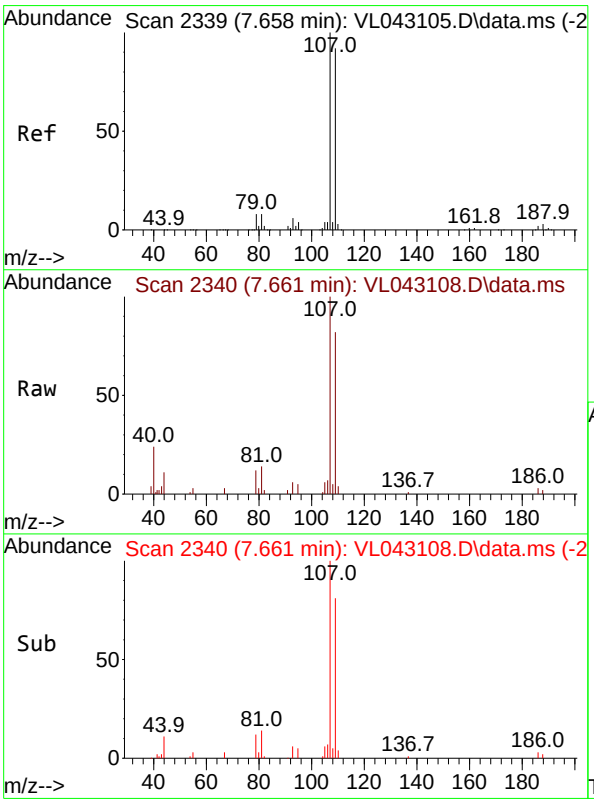
#53
Toluene
Concen: 0.542 ppbv
RT: 6.936 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 20380

Ion	Ratio	Lower	Upper
91	100		
92	62.1	48.8	73.2

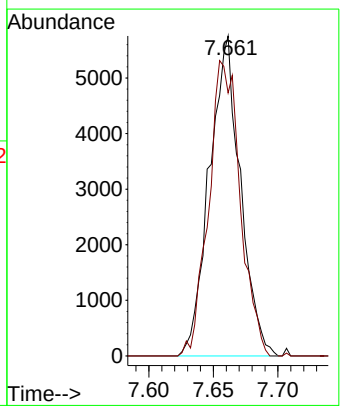


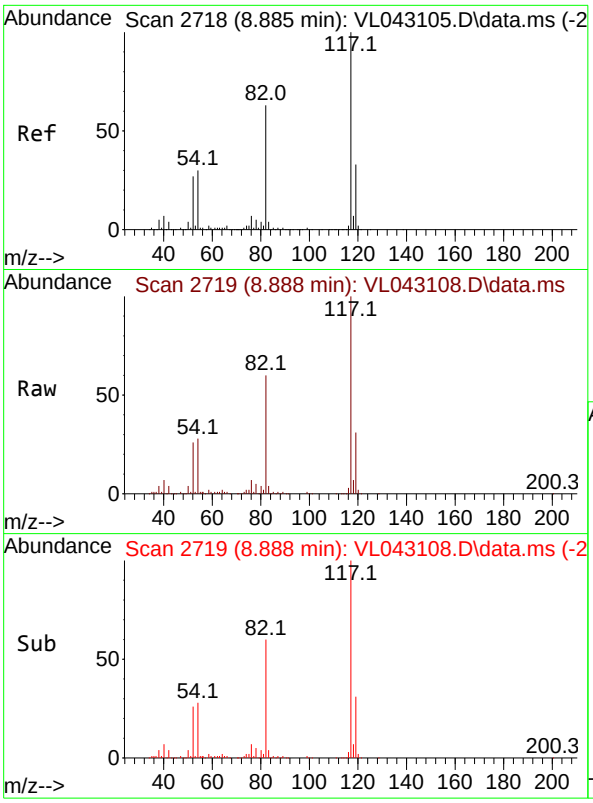


#54
1,2-Dibromoethane
Concen: 0.486 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:107 Resp: 9586

Ion	Ratio	Lower	Upper
107	100		
109	82.2	73.4	110.2



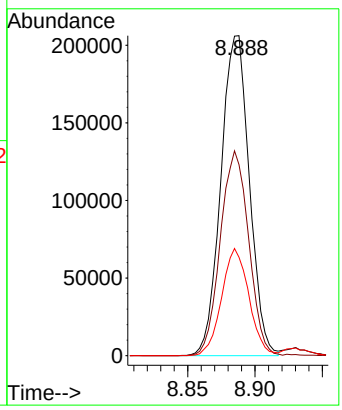


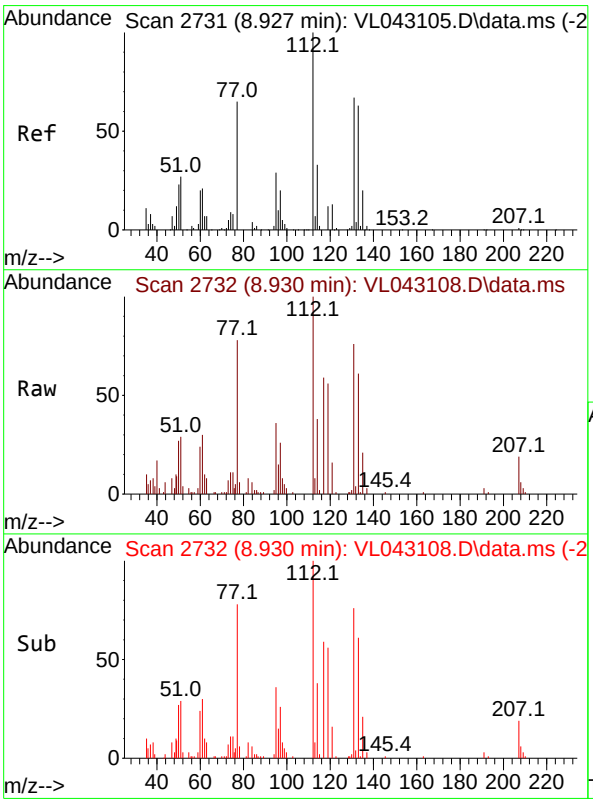
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 303445

Ion	Ratio	Lower	Upper
117	100		
82	63.9	53.8	80.8
119	32.1	25.4	38.0

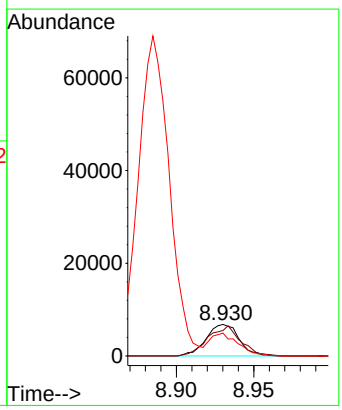


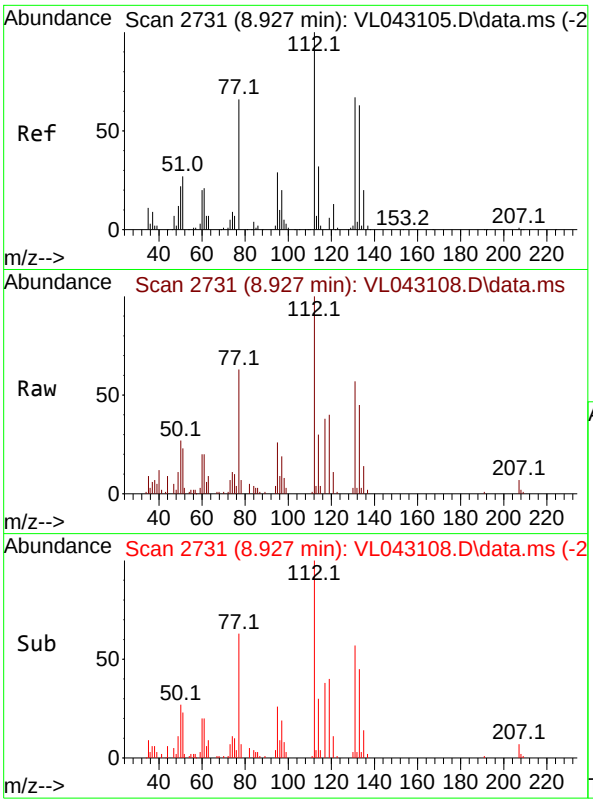


#56
1,1,1,2-Tetrachloroethane
Concen: 0.525 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:131 Resp: 10044

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.7	113.5
119	1032.5	50.6	76.0#



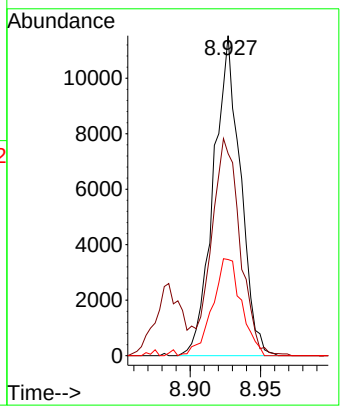


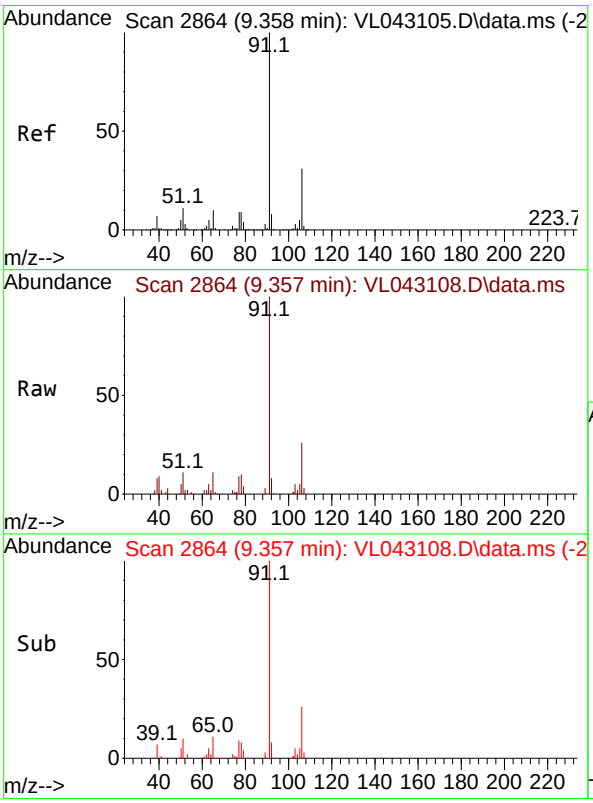
#57
Chlorobenzene
Concen: 0.540 ppbv
RT: 8.927 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 15318

Ion	Ratio	Lower	Upper
112	100		
77	62.5	53.3	79.9
114	30.0	29.3	35.8

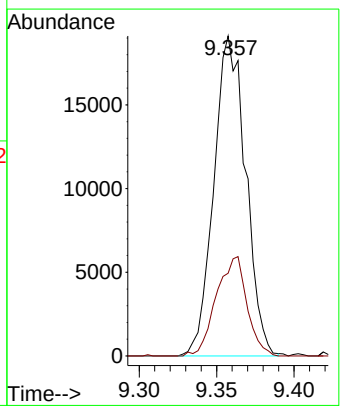


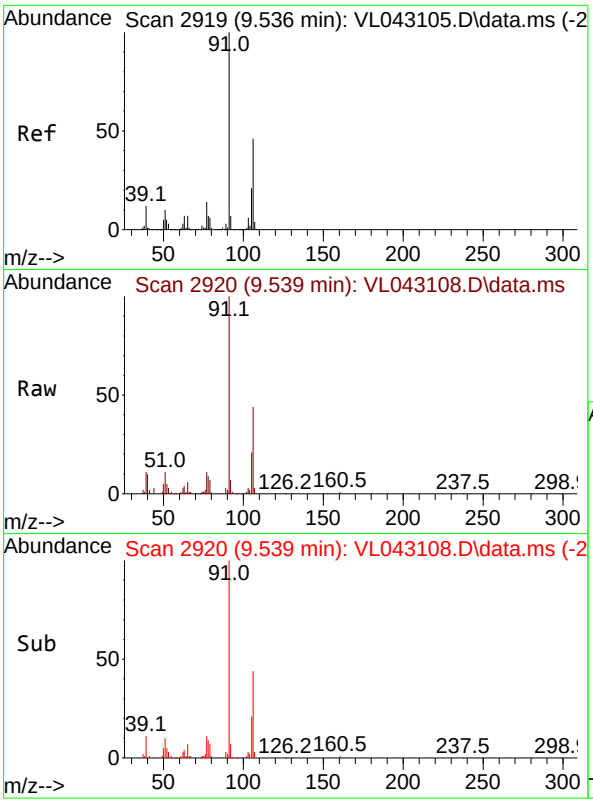


#58
Ethyl Benzene
Concen: 0.521 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 27330

Ion	Ratio	Lower	Upper
91	100		
106	25.8	24.8	37.2



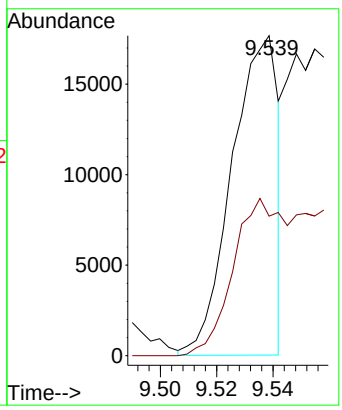


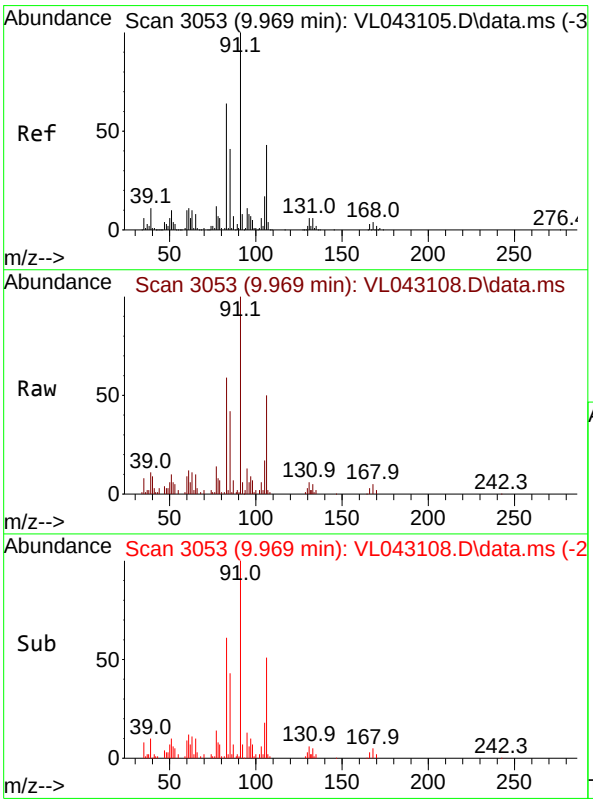
#59
m/p-Xylene
Concen: 0.483 ppbv
RT: 9.539 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 20079

Ion	Ratio	Lower	Upper
91	100		
106	104.4	38.0	57.0#

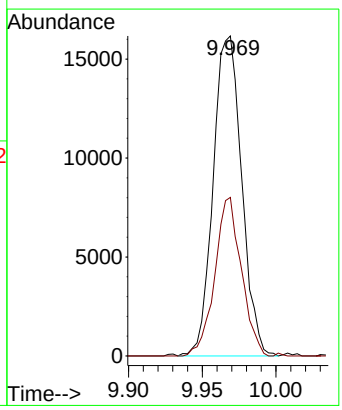


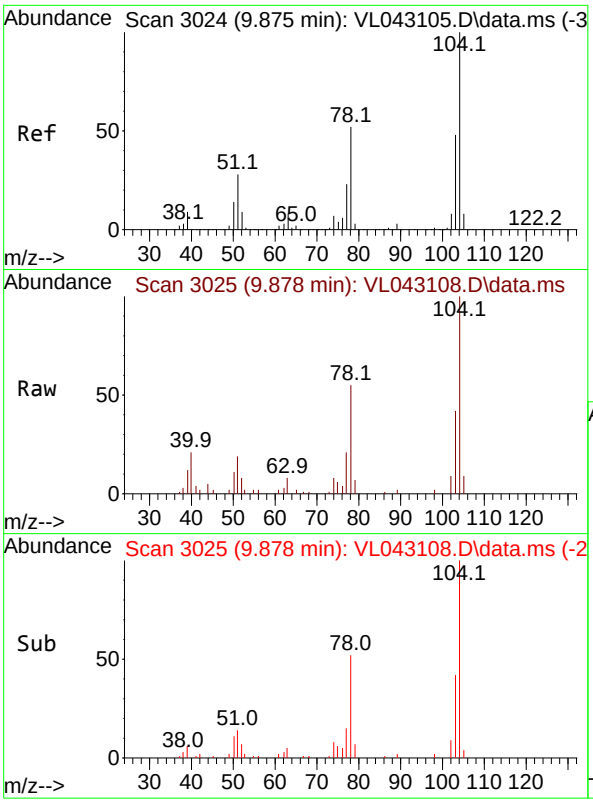


#60
o-Xylene
Concen: 0.530 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 21745

Ion	Ratio	Lower	Upper
91	100		
106	46.2	21.9	65.8



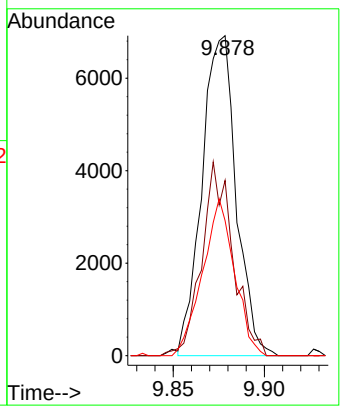


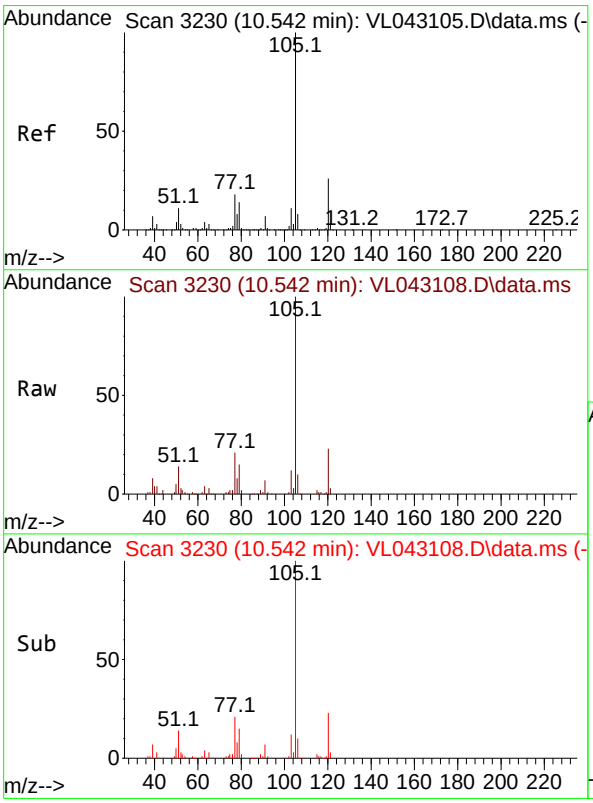
#61
Styrene
Concen: 0.489 ppbv
RT: 9.878 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 9052

Ion	Ratio	Lower	Upper
104	100		
78	55.0	40.2	60.2
103	45.6	36.9	55.3

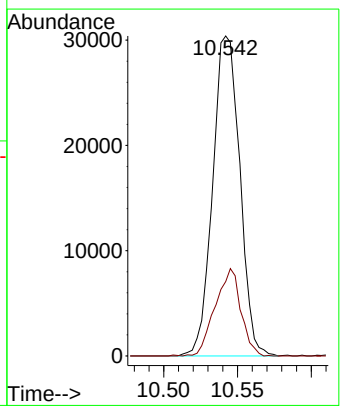


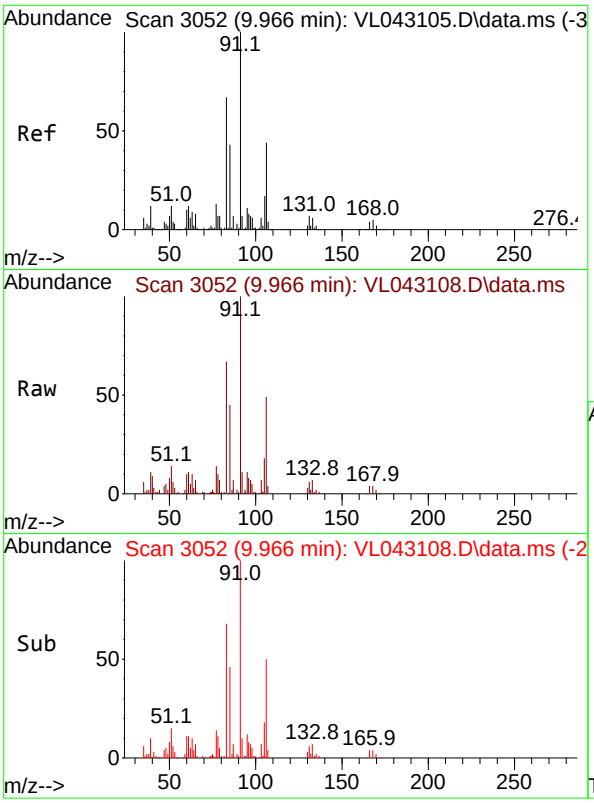


#62
Isopropylbenzene
Concen: 0.525 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 38899

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.2	30.4



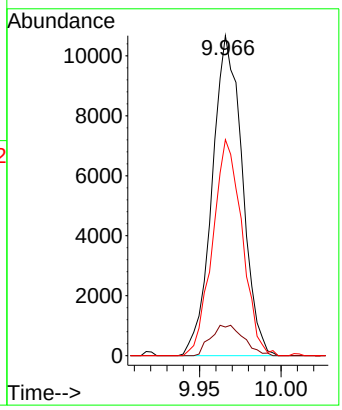


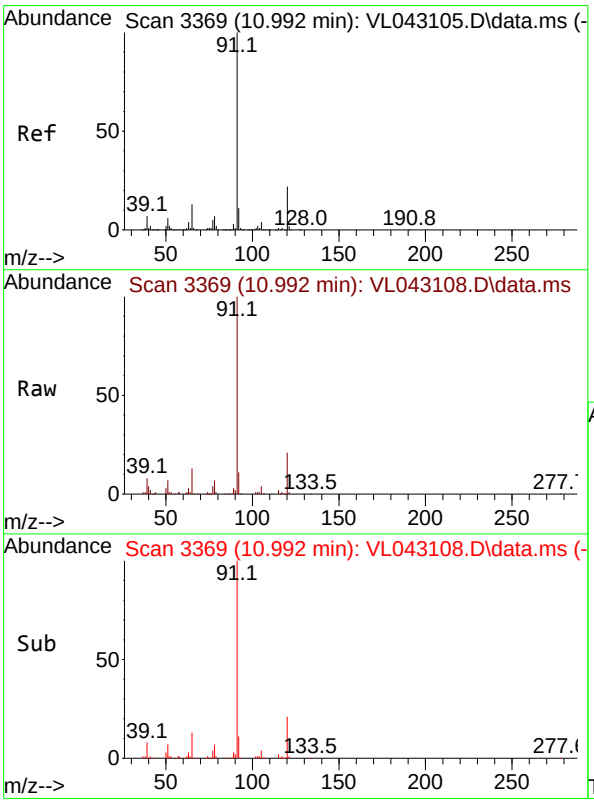
#63
1,1,2,2-Tetrachloroethane
Concen: 0.497 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 13653

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.3
85	66.7	32.0	96.0

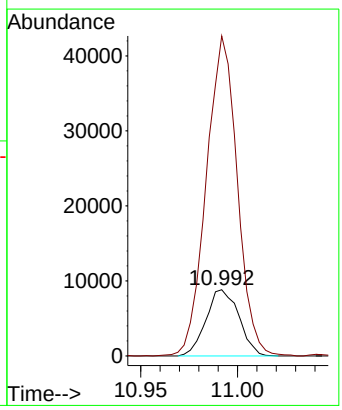


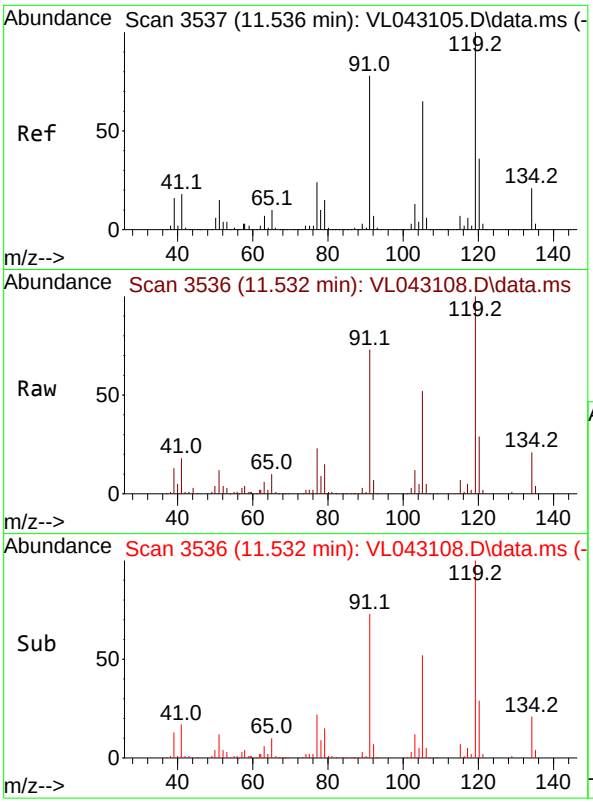


#64
n-propylbenzene
Concen: 0.532 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:120 Resp: 10435

Ion	Ratio	Lower	Upper
120	100		
91	455.0	361.6	542.4



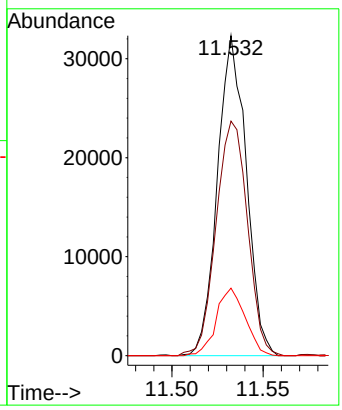


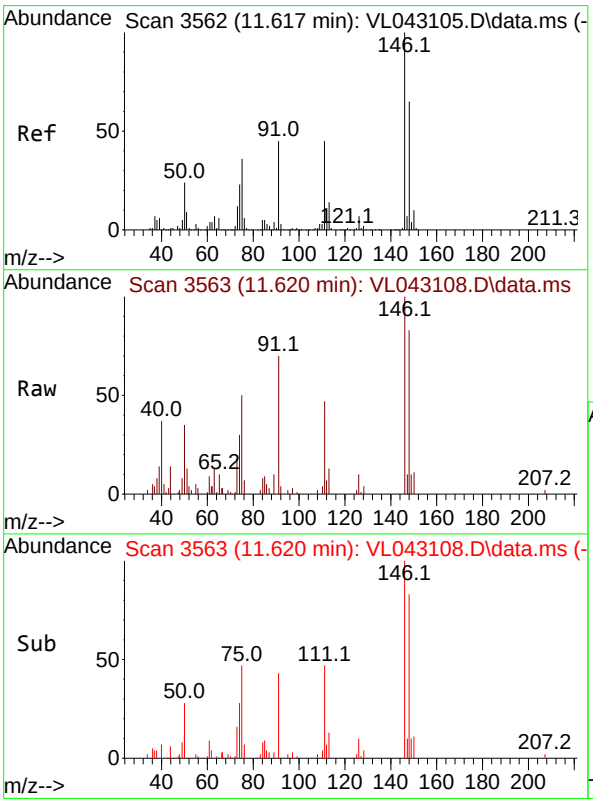
#65
tert-Butylbenzene
Concen: 0.543 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 35537

Ion	Ratio	Lower	Upper
119	100		
91	80.0	63.4	95.0
134	21.2	17.3	25.9

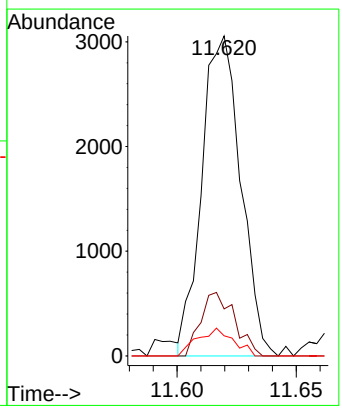


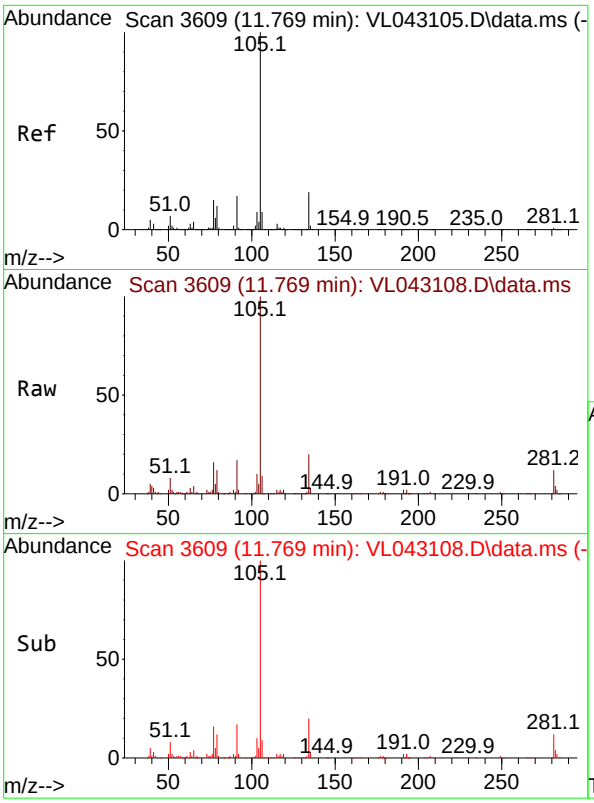


#66
Benzyl Chloride
Concen: 0.476 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 3477

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.6	22.0
128	7.9	4.6	6.8#



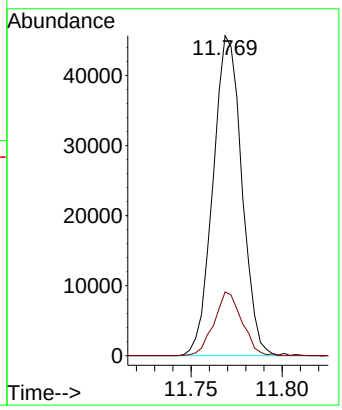


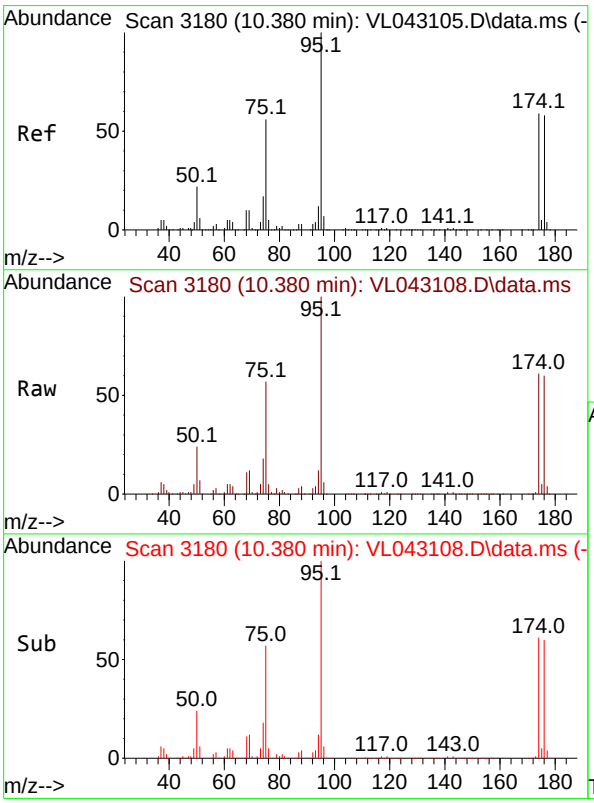
#67
sec-Butylbenzene
Concen: 0.541 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 50259

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.5	23.3

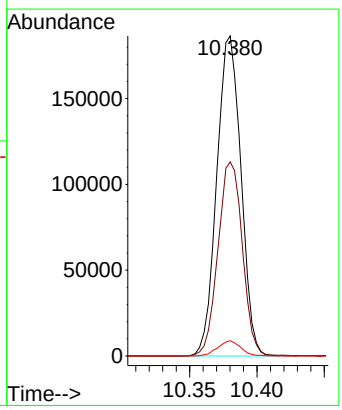


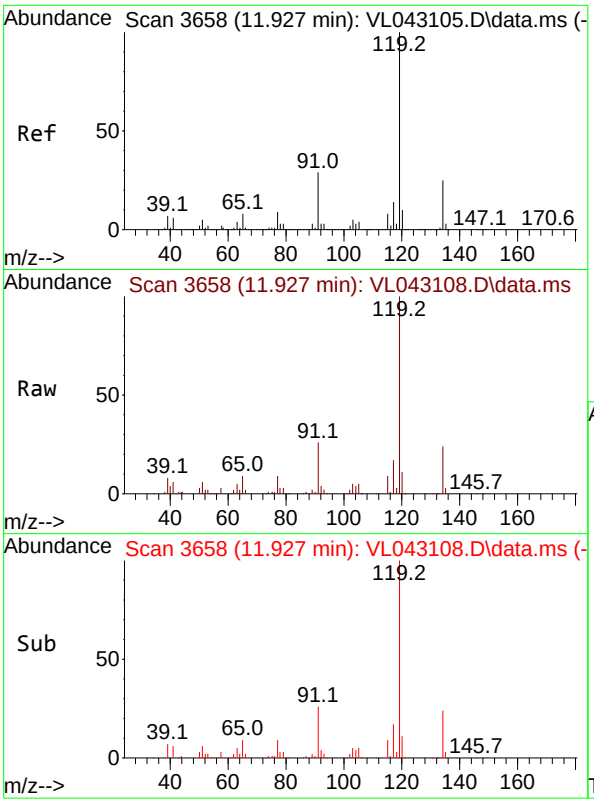


#68
1-Bromo-4-Fluorobenzene
Concen: 9.875 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 95 Resp: 232904

Ion	Ratio	Lower	Upper
95	100		
174	61.0	48.3	72.5
175	4.5	3.8	5.8



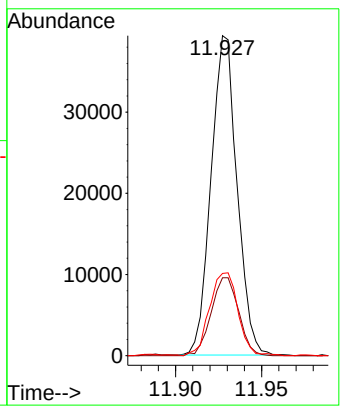


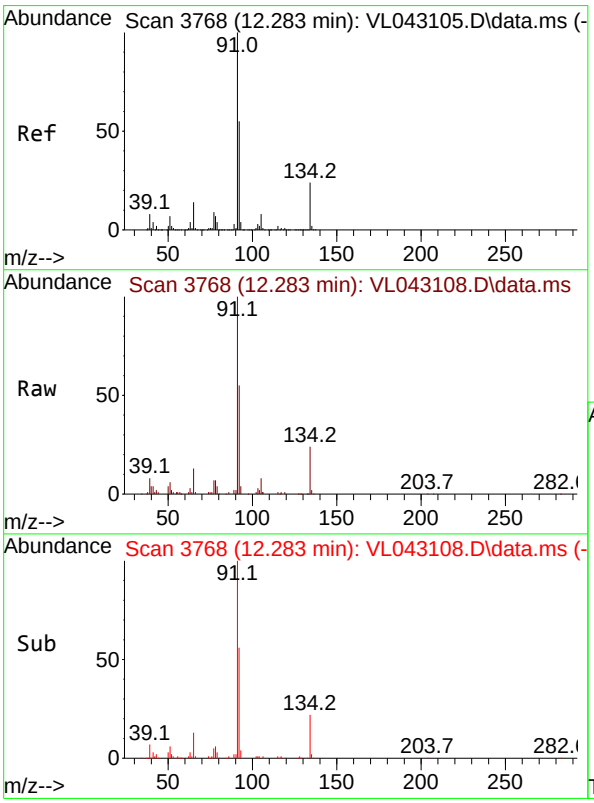
#69
p-Isopropyltoluene
Concen: 0.524 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 41366

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.3	30.5
91	28.9	22.6	33.8

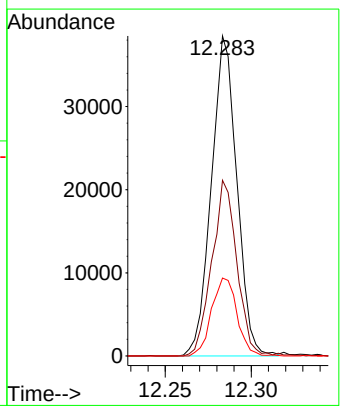


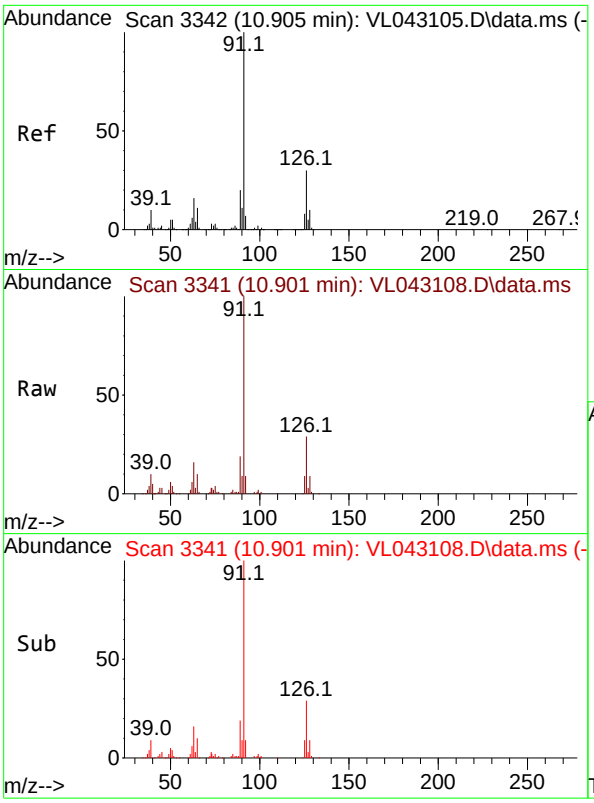


#70
n-Butylbenzene
Concen: 0.509 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 91 Resp: 39620

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.5	66.7
134	24.4	19.3	28.9



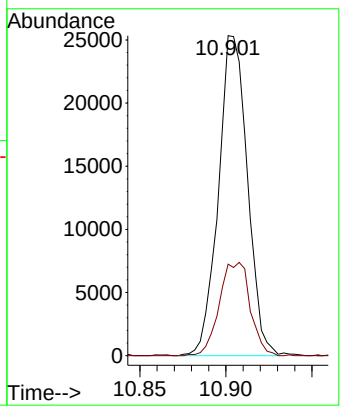


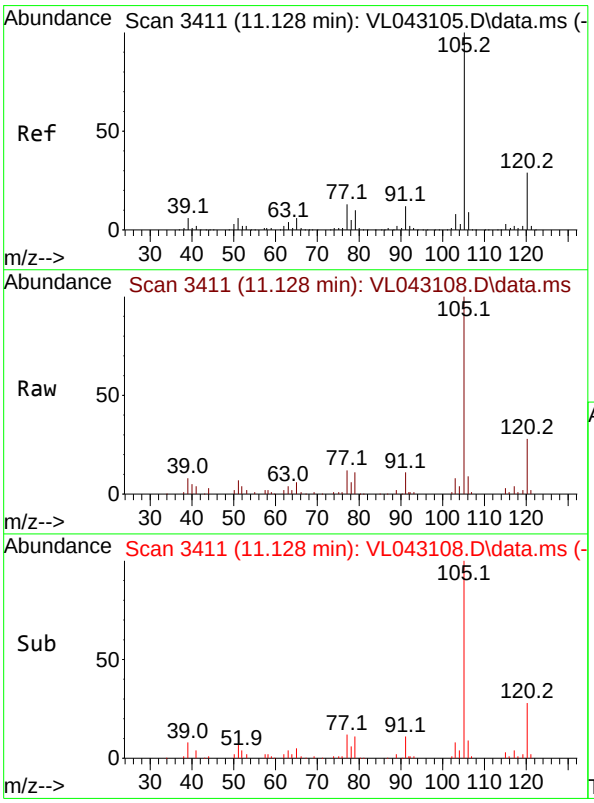
#71
2-Chlorotoluene
Concen: 0.526 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 29722

Ion	Ratio	Lower	Upper
91	100		
126	30.9	12.0	48.0

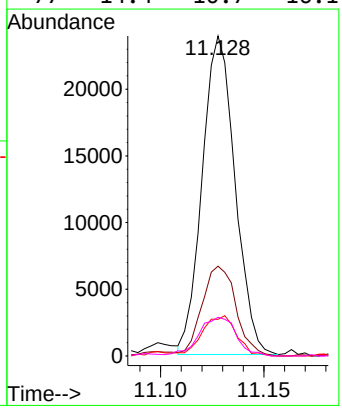


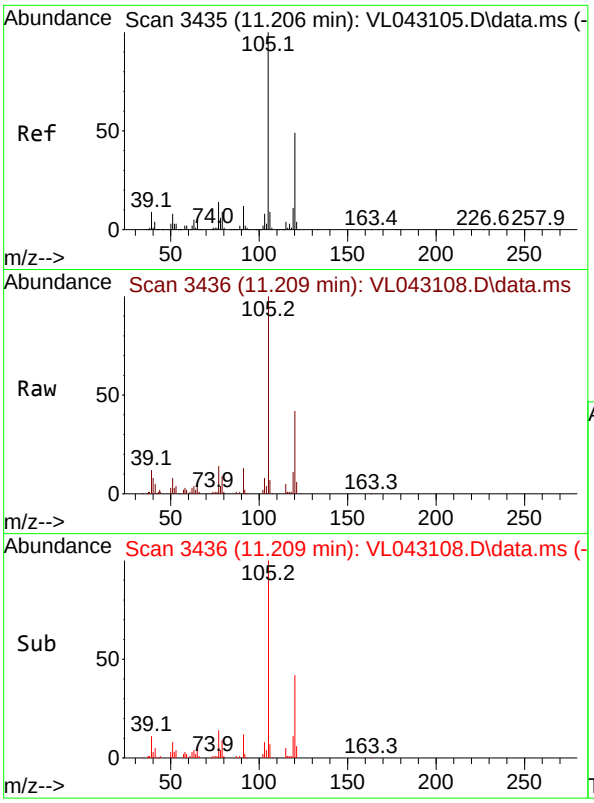


#72
4-Ethyltoluene
Concen: 0.524 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 26408

Ion	Ratio	Lower	Upper
105	100		
120	30.8	24.2	36.4
91	14.6	10.0	15.0
77	14.4	10.7	16.1



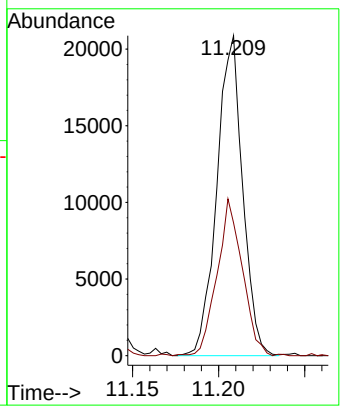


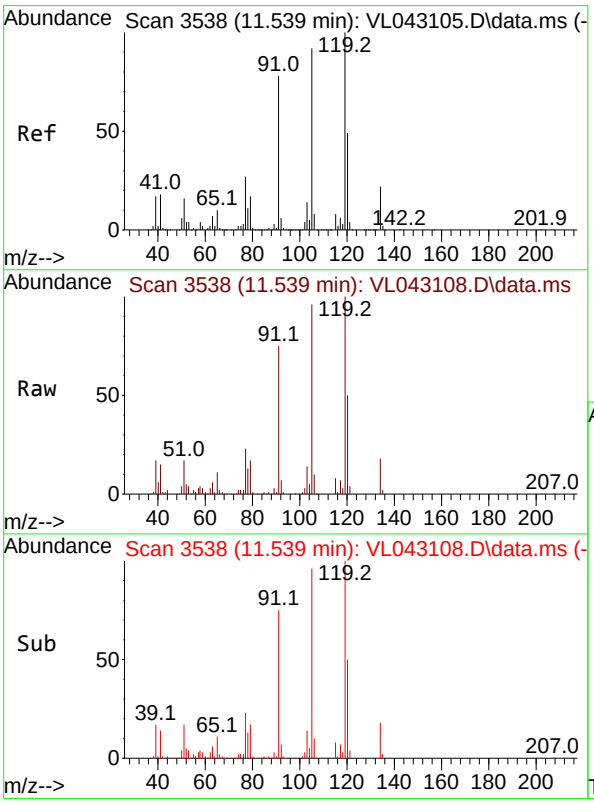
#73
1,3,5-Trimethylbenzene
Concen: 0.523 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 21754

Ion	Ratio	Lower	Upper
105	100		
120	41.1	39.0	58.6

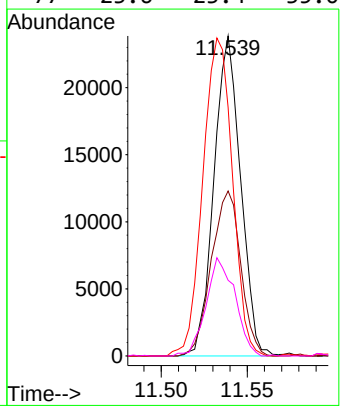


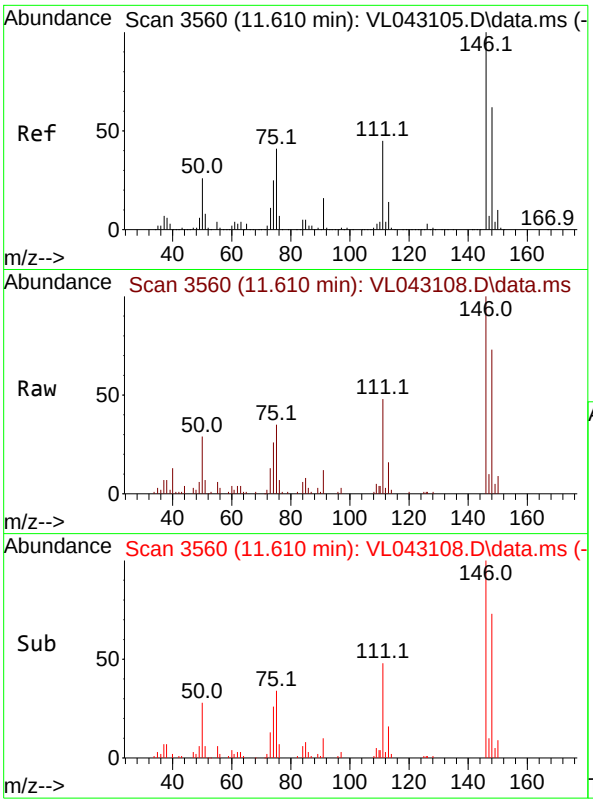


#74
1,2,4-Trimethylbenzene
Concen: 0.551 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 25663

Ion	Ratio	Lower	Upper
105	100		
120	51.5	42.8	64.2
91	77.7	68.3	102.5
77	23.6	23.4	35.0



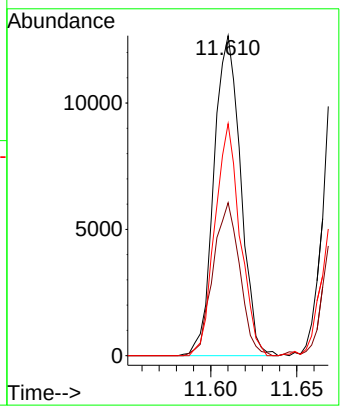


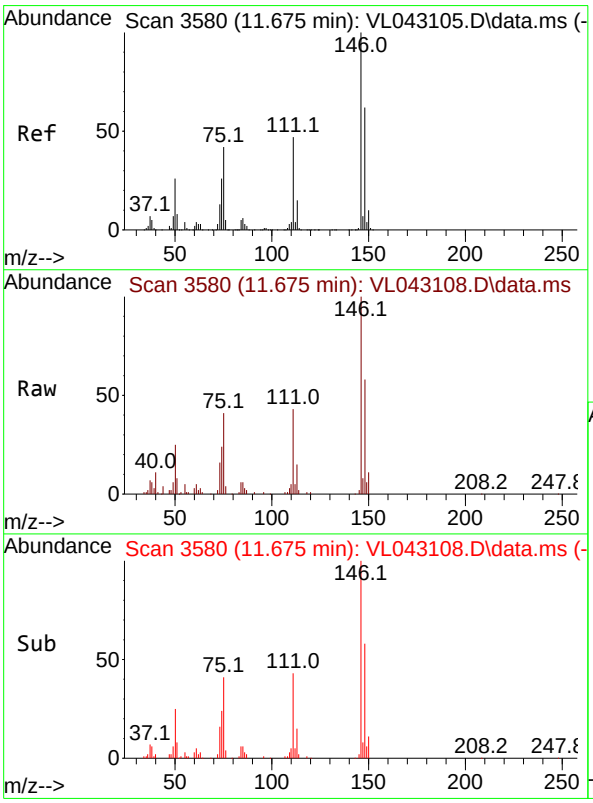
#75
1,3-Dichlorobenzene
Concen: 0.507 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 13697

Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.3	69.9
148	68.4	31.6	95.0

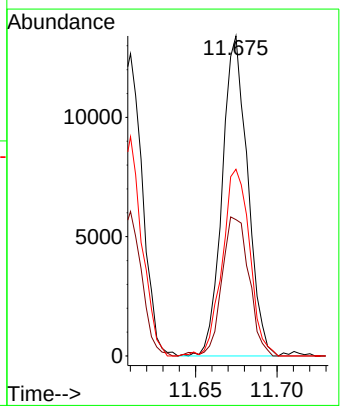


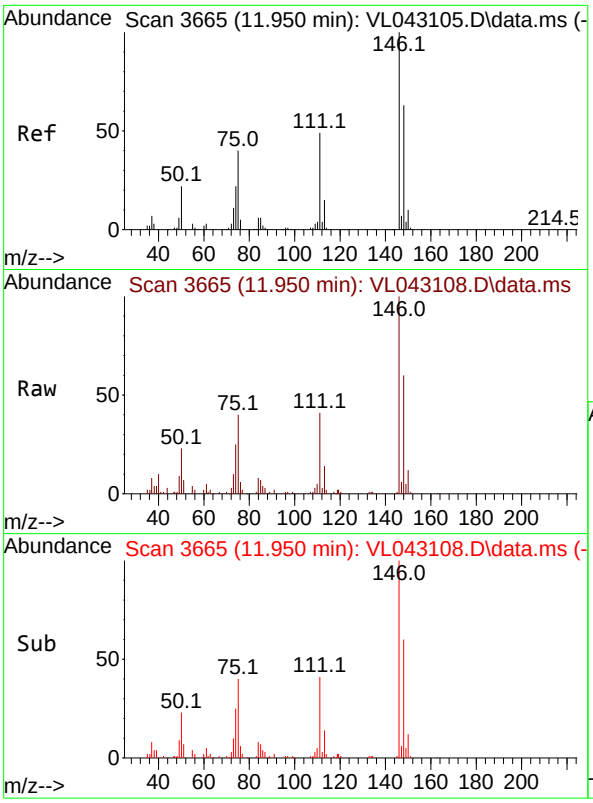


#76
1,4-Dichlorobenzene
Concen: 0.533 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:146 Resp: 14514

Ion	Ratio	Lower	Upper
146	100		
111	46.4	22.4	67.0
148	62.7	31.6	94.7



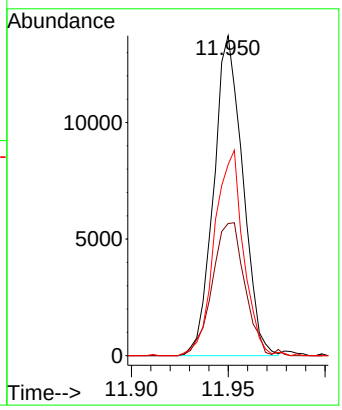


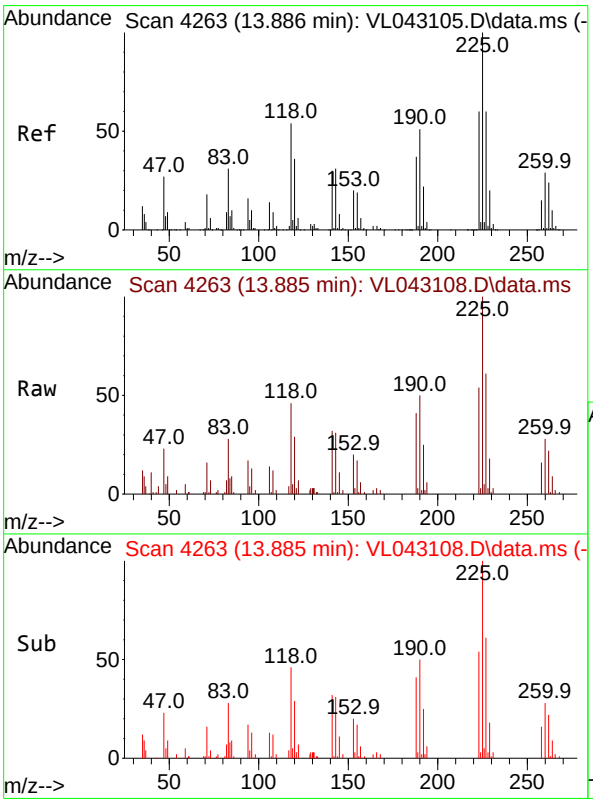
#77
1,2-Dichlorobenzene
Concen: 0.548 ppbv
RT: 11.950 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 14324

Ion	Ratio	Lower	Upper
146	100		
111	46.9	24.0	72.0
148	64.1	31.1	93.3

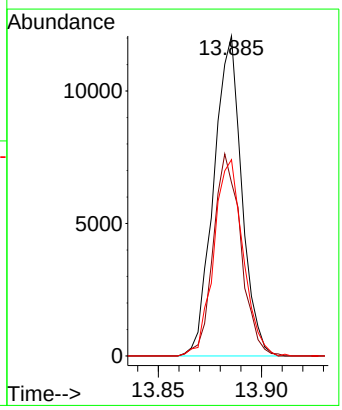


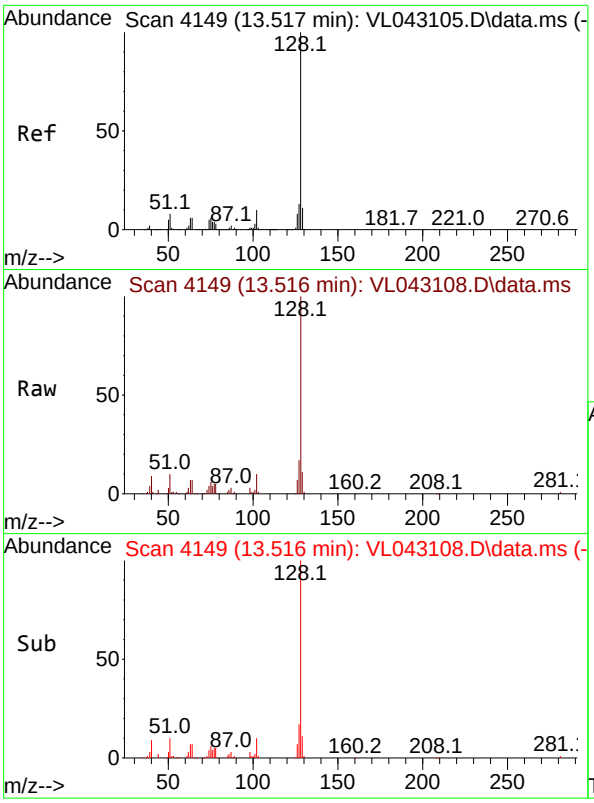


#78
Hexachloro-1,3-Butadiene
Concen: 0.564 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:225 Resp: 11400

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.2	75.4
227	64.2	49.6	74.4



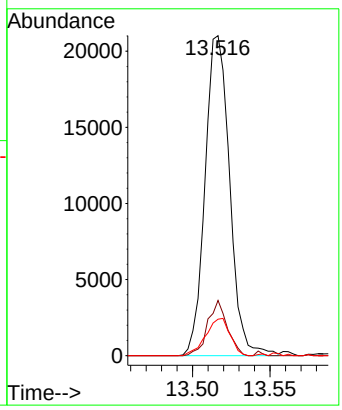


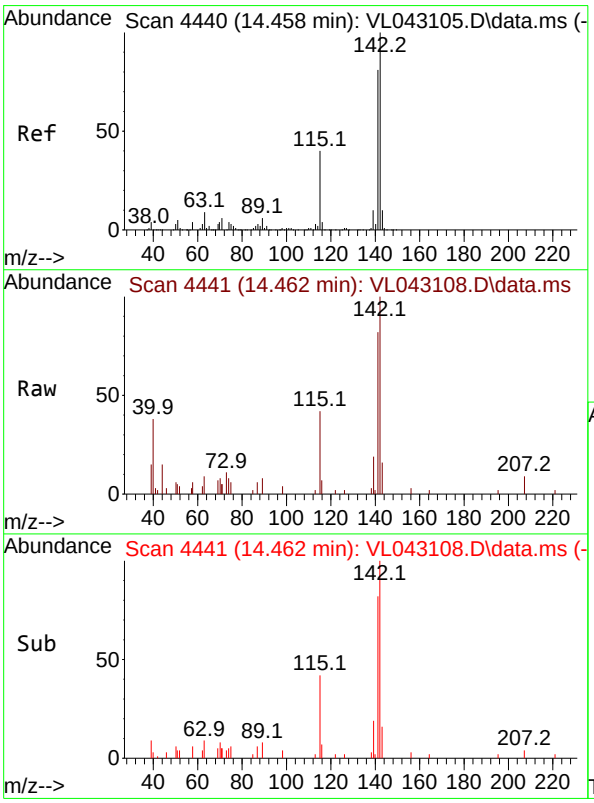
#79
Naphthalene
Concen: 0.483 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 23247

Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.5	15.7#
129	11.4	9.1	13.7

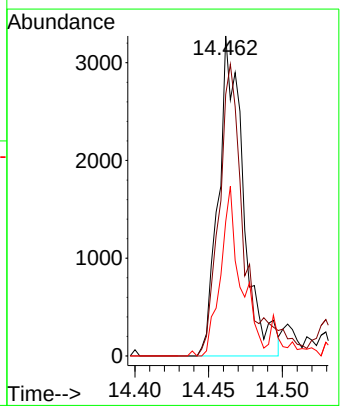


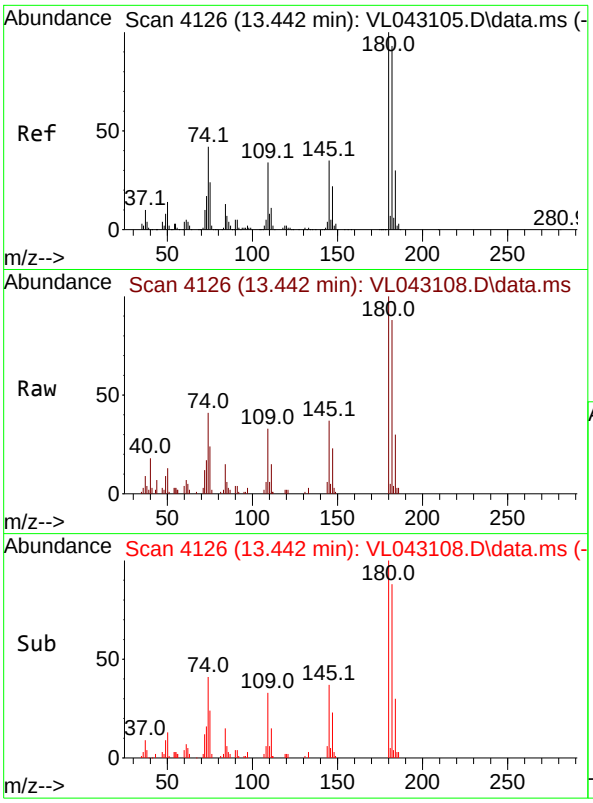


#80
Naphthalene,2-methyl-
Concen: 0.305 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:142 Resp: 3874

Ion	Ratio	Lower	Upper
142	100		
141	92.6	64.6	97.0
115	51.2	30.2	45.4#



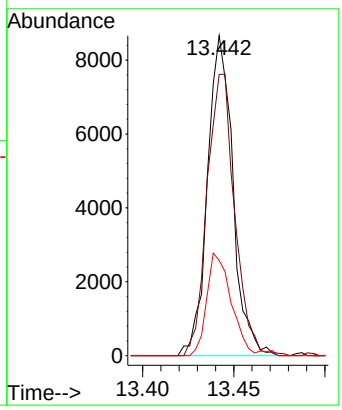


#81
1,2,4-Trichlorobenzene
Concen: 0.416 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 8395

Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.5	113.3
184	31.4	23.9	35.9



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Oct 15 01:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	99997	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	332574	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	299676	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	233673	10.032	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	1417	0.100	ppbv	96
3) Chlorodifluoromethane	1.479	51	1709	0.111	ppbv #	75
4) Chloromethane	1.534	50	746	0.132	ppbv	94
5) Vinyl Chloride	1.583	62	554	0.100	ppbv #	33
6) Bromomethane	1.667	94	479	0.158	ppbv #	61
7) Chloroethane	1.703	64	261	0.116	ppbv #	42
8) Dichlorotetrafluoroethane	1.557	85	1427	0.124	ppbv	85
9) Propene	1.486	41	689	0.101	ppbv #	1
10) Heptane	4.985	43	706	0.036	ppbv #	27
11) Trichlorofluoromethane	1.877	101	1515	0.109	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	1303	0.116	ppbv	97
13) Ethanol	1.725	45	327	0.130	ppbv #	27
14) Bromoethene	1.787	108	443	0.107	ppbv #	50
15) Acetone	1.839	43	2487	0.184	ppbv	93
16) 1,3-Butadiene	1.612	39	770	0.120	ppbv #	49
17) tert-Butyl alcohol	2.043	59	2301	0.124	ppbv #	3
18) 1,1-Dichloroethene	2.036	96	720	0.148	ppbv #	67
19) Isopropyl Alcohol	1.887	45	1443	0.172	ppbv #	53
20) Methylene Chloride	2.062	84	1890	0.355	ppbv #	77
21) Allyl Chloride	2.098	41	1664	0.167	ppbv #	43
22) trans-1,2-Dichloroethene	2.036	96	720	0.123	ppbv	86
23) Vinyl Acetate	2.467	43	2916	0.148	ppbv #	91
24) 1,1-Dichloroethane	2.408	63	1367	0.121	ppbv #	91
25) Ethyl Acetate	2.836	43	1114	0.033	ppbv #	66
26) Hexane	2.829	57	2134	0.139	ppbv	94
27) Carbon Disulfide	2.153	76	1609	0.114	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	351	0.050	ppbv #	49
29) Chloroform	2.855	83	1225	0.055	ppbv	89
30) Cyclohexane	3.868	84	340	0.025	ppbv #	1
31) cis-1,2-Dichloroethene	2.725	61	1605	0.109	ppbv #	88
32) 1,1,1-Trichloroethane	3.373	97	1581	0.068	ppbv #	60
34) 2-Butanone	2.564	43	2560	0.114	ppbv	94
35) Carbon Tetrachloride	3.370	117	231	0.010	ppbv	90
36) Benzene	3.658	78	3507	0.112	ppbv	96
37) 1,2-Dichloroethane	3.224	62	1448	0.080	ppbv #	93
38) Trichloroethene	4.551	130	242	0.019	ppbv #	7
39) 1,2-Dichloropropane	3.962	63	80849	7.054	ppbv #	25
40) 1,4-Dioxane	4.609	88	339	0.066	ppbv #	38
41) Tetrahydrofuran	3.043	42	58	0.005	ppbv #	37
42) Bromodichloromethane	4.496	83	2440	0.098	ppbv #	73
43) Methyl Methacrylate	4.881	69	636	0.040	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	3354	0.064	ppbv #	45
45) t-1,3-Dichloropropene	6.425	75	617	0.039	ppbv	94

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Oct 15 01:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

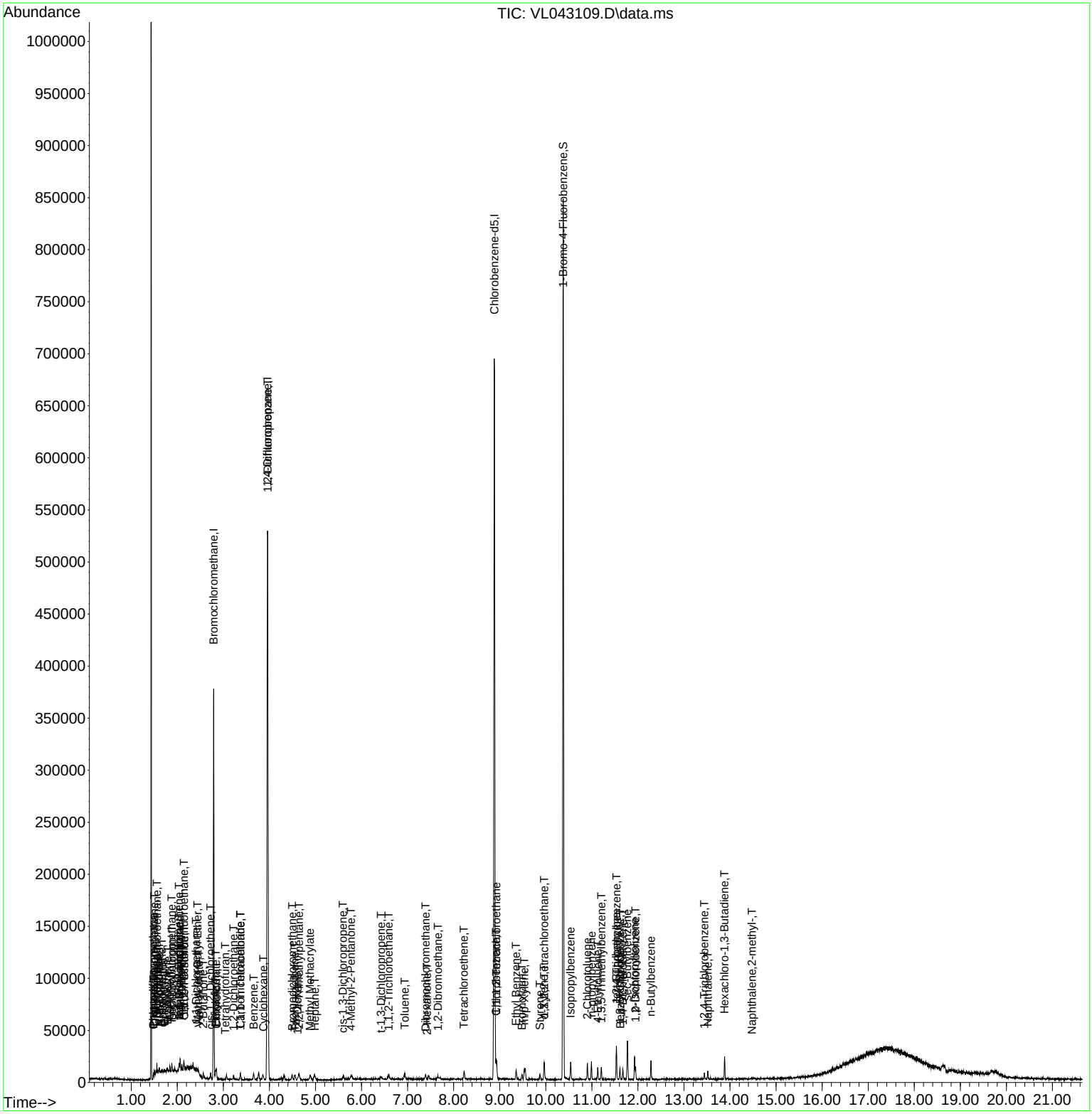
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	472	0.025	ppbv	#	55
47) 1,1,2-Trichloroethane	6.587	97	716	0.058	ppbv	#	38
48) Dibromochloromethane	7.393	129	1506	0.073	ppbv		72
49) Bromoform	9.484	173	1666	0.099	ppbv	#	90
50) 4-Methyl-2-Pentanone	5.771	43	1420	0.046	ppbv	#	38
51) 2-Hexanone	7.422	43	65	0.003	ppbv	#	27
52) Tetrachloroethene	8.221	164	377	0.033	ppbv	#	22
53) Toluene	6.940	91	1973	0.053	ppbv	#	9
54) 1,2-Dibromoethane	7.658	107	2201	0.113	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.927	131	1509	0.080	ppbv	#	9
57) Chlorobenzene	8.920	112	3177	0.113	ppbv	#	95
58) Ethyl Benzene	9.354	91	5210	0.100	ppbv		96
59) m/p-Xylene	9.535	91	3213	0.078	ppbv	#	29
60) o-Xylene	9.963	91	3450	0.085	ppbv		78
61) Styrene	9.872	104	1475	0.081	ppbv	#	82
62) Isopropylbenzene	10.539	105	8132	0.111	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.966	83	3053	0.113	ppbv		90
64) n-propylbenzene	10.992	120	1906	0.098	ppbv		87
65) tert-Butylbenzene	11.532	119	6951	0.108	ppbv		97
66) Benzyl Chloride	11.617	91	277	0.038	ppbv	#	78
67) sec-Butylbenzene	11.769	105	9081	0.099	ppbv		96
69) p-Isopropyltoluene	11.927	119	8105	0.104	ppbv		98
70) n-Butylbenzene	12.283	91	6640	0.086	ppbv		100
71) 2-Chlorotoluene	10.904	91	5527	0.099	ppbv		96
72) 4-Ethyltoluene	11.128	105	4754	0.095	ppbv	#	92
73) 1,3,5-Trimethylbenzene	11.205	105	4680	0.114	ppbv	#	85
74) 1,2,4-Trimethylbenzene	11.536	105	4519	0.098	ppbv	#	94
75) 1,3-Dichlorobenzene	11.610	146	2518	0.094	ppbv		94
76) 1,4-Dichlorobenzene	11.672	146	2266	0.084	ppbv		91
77) 1,2-Dichlorobenzene	11.950	146	2676	0.104	ppbv		94
78) Hexachloro-1,3-Butadiene	13.879	225	2107	0.105	ppbv		95
79) Naphthalene	13.516	128	3453	0.073	ppbv	#	97
80) Naphthalene,2-methyl-	14.478	142	582	0.046	ppbv	#	28
81) 1,2,4-Trichlorobenzene	13.442	180	774	0.039	ppbv	#	77

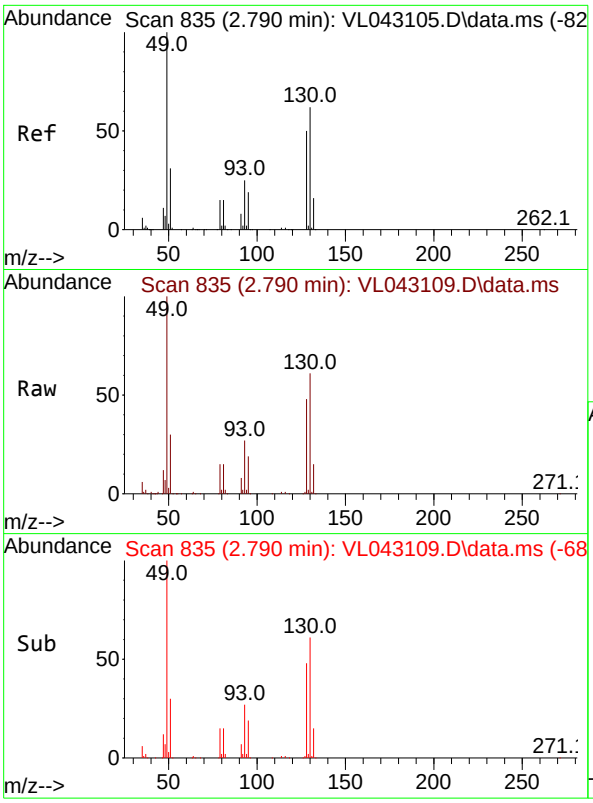
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Oct 15 01:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration



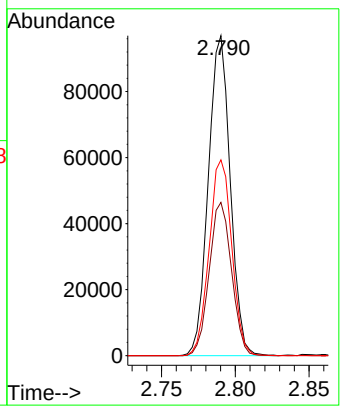


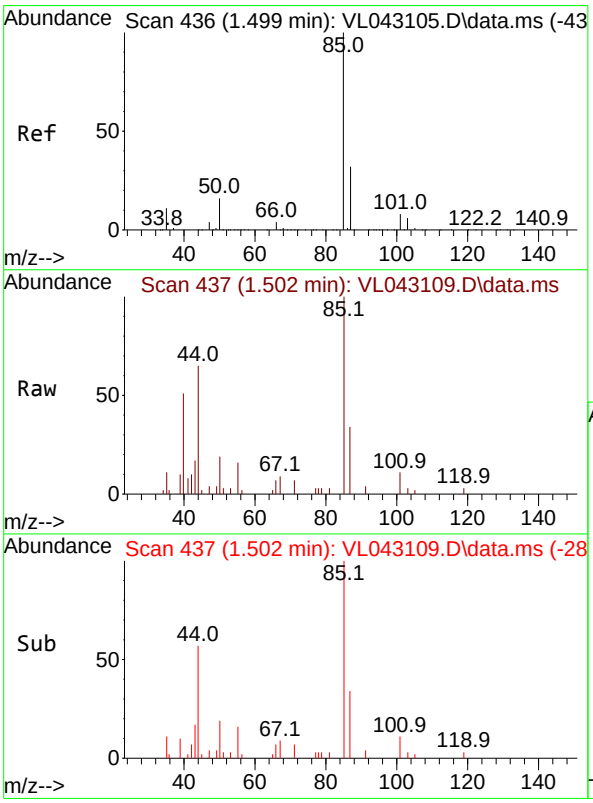
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 99997

Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.4	73.4
130	63.3	31.0	93.0

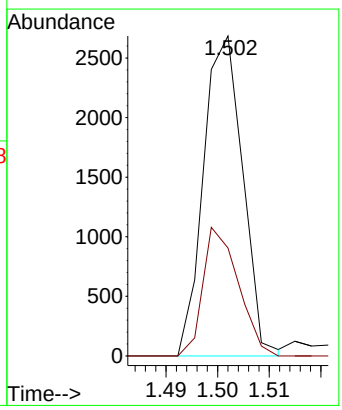


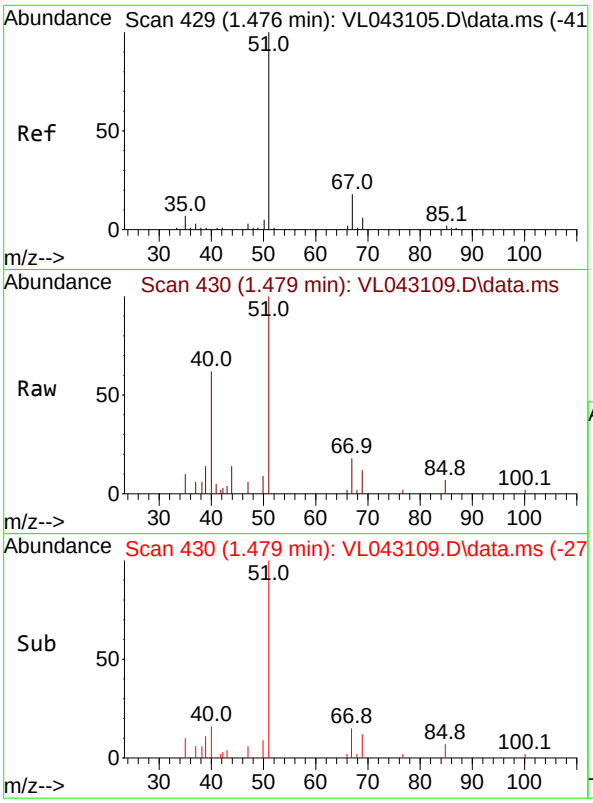


#2
Dichlorodifluoromethane
Concen: 0.100 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 85 Resp: 1417

Ion	Ratio	Lower	Upper
85	100		
87	33.7	25.3	37.9



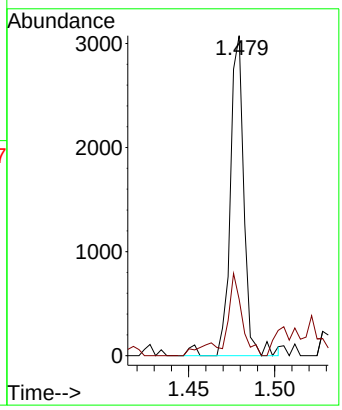


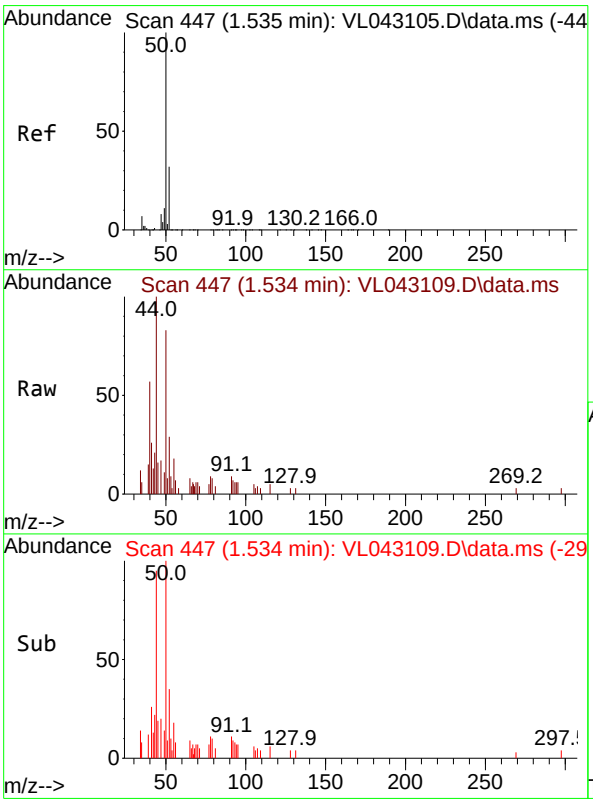
#3
Chlorodifluoromethane
Concen: 0.111 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 1709

Ion	Ratio	Lower	Upper
51	100		
67	30.1	15.1	22.7#

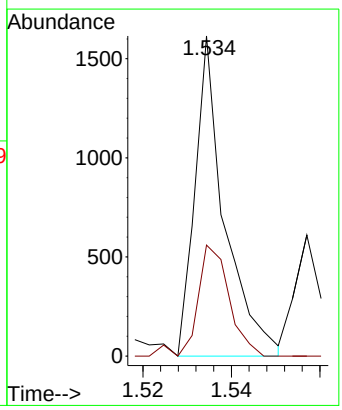


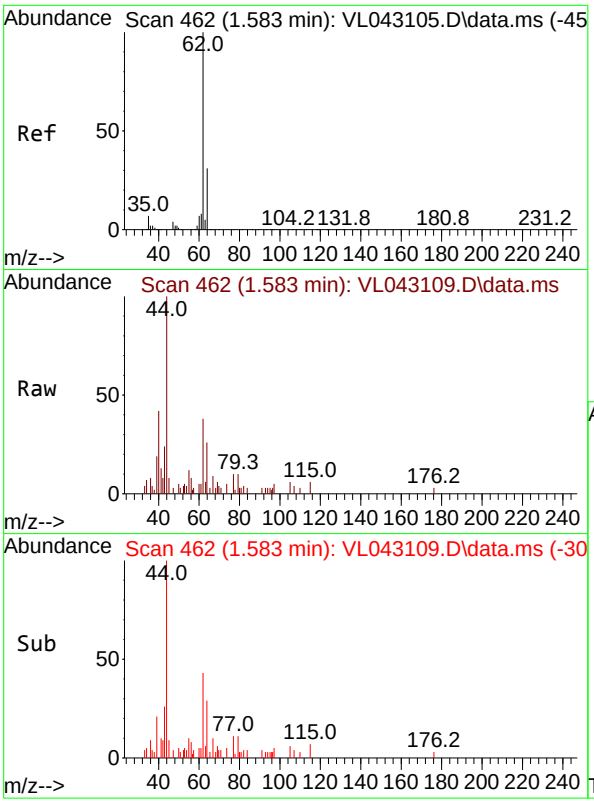


#4
Chloromethane
Concen: 0.132 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 50 Resp: 746

Ion	Ratio	Lower	Upper
50	100		
52	34.7	25.2	37.8



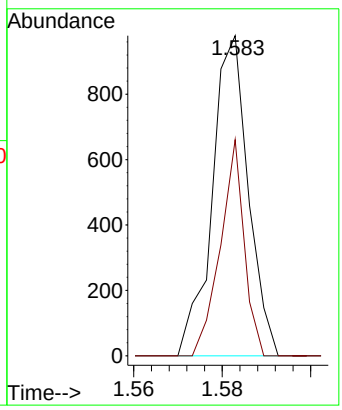


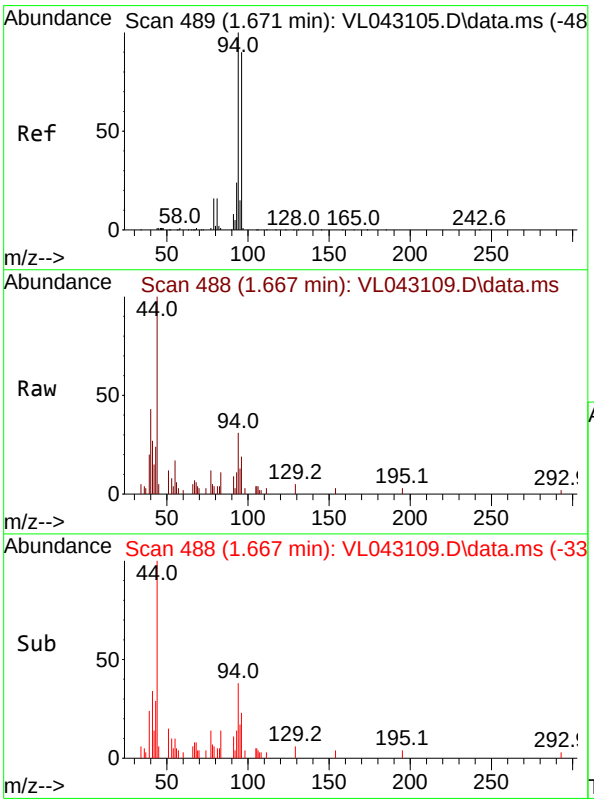
#5
Vinyl Chloride
Concen: 0.100 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 554

Ion	Ratio	Lower	Upper
62	100		
64	67.5	24.6	36.8#

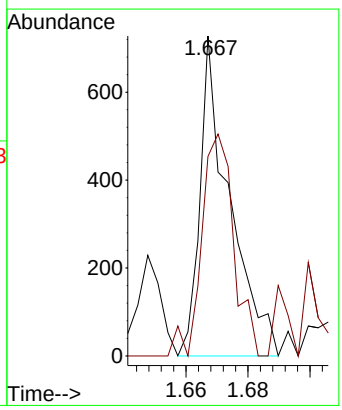


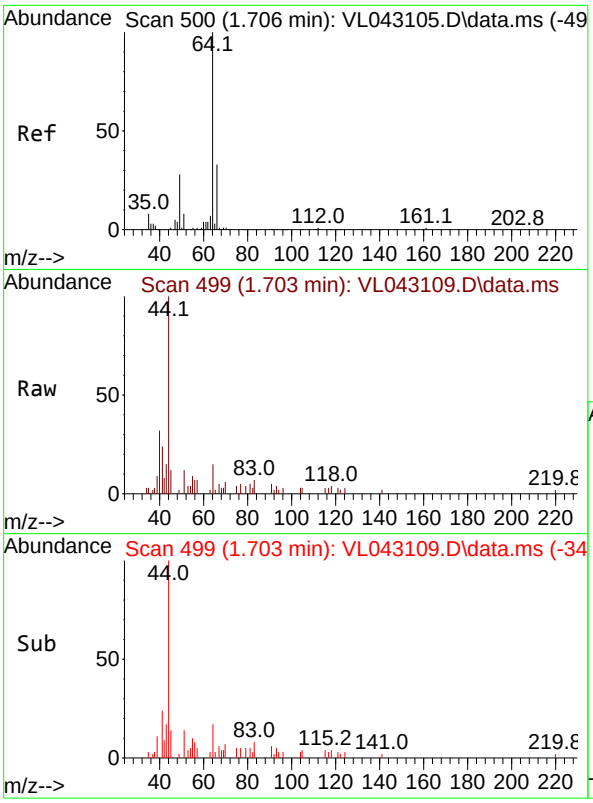


#6
Bromomethane
Concen: 0.158 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 94 Resp: 479

Ion	Ratio	Lower	Upper
94	100		
96	53.0	72.2	108.4#



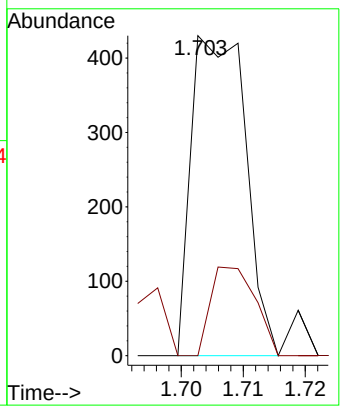


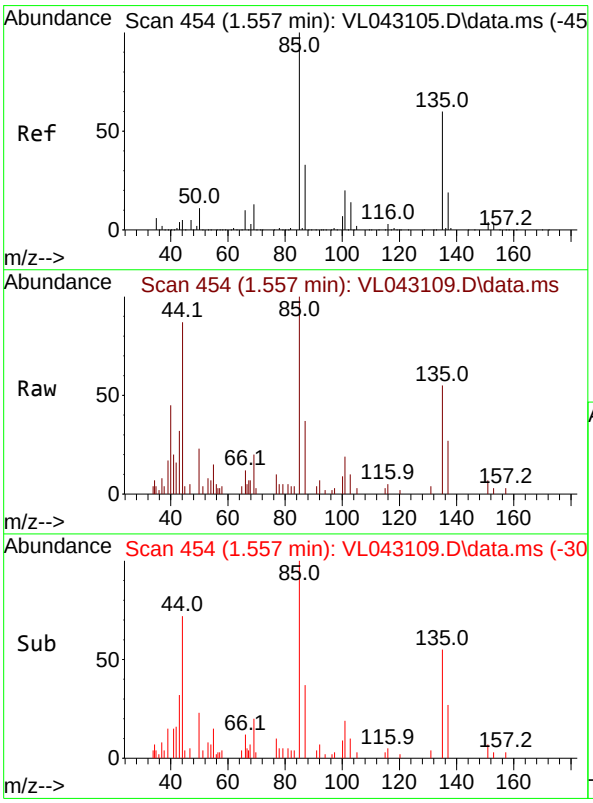
#7
Chloroethane
Concen: 0.116 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 261

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.0	39.0#

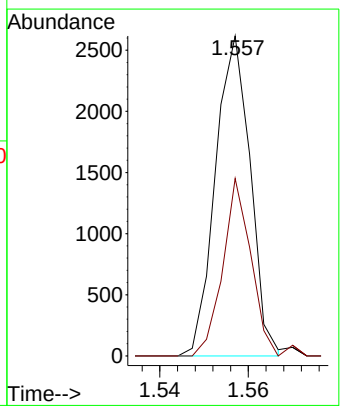


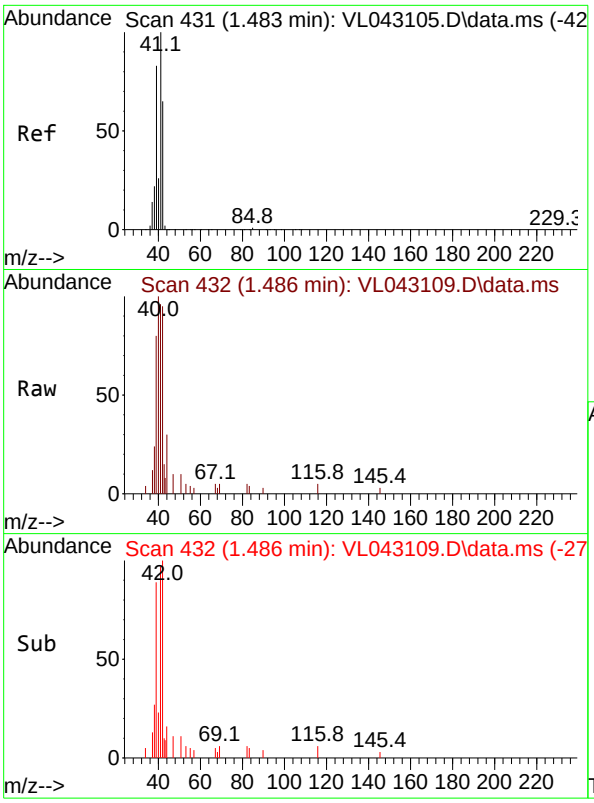


#8
Dichlorotetrafluoroethane
Concen: 0.124 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 85 Resp: 1427

Ion	Ratio	Lower	Upper
85	100		
135	48.7	48.2	72.4



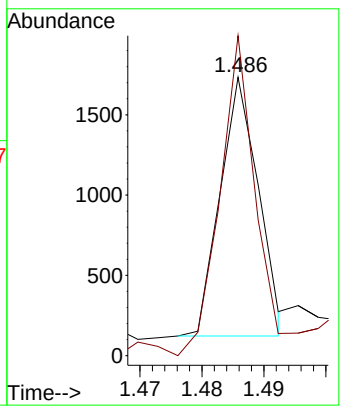


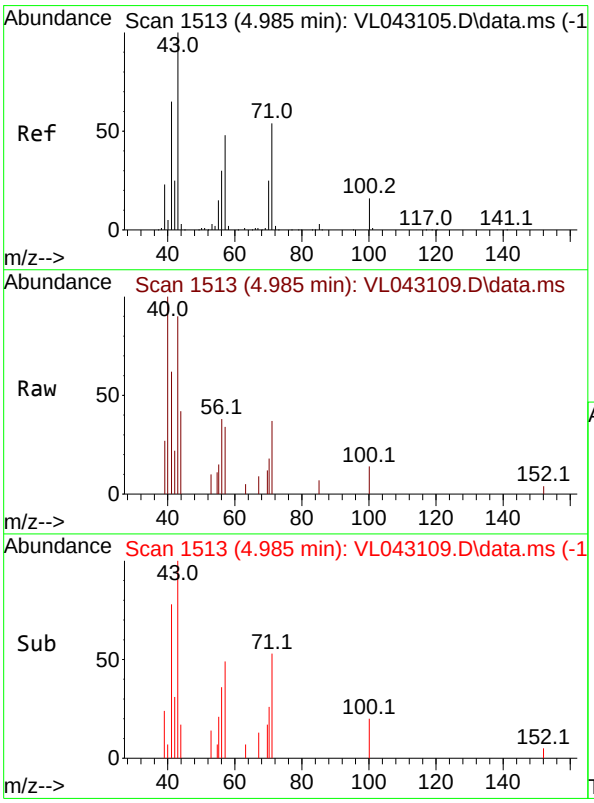
#9
Propene
Concen: 0.101 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 689

Ion	Ratio	Lower	Upper
41	100		
42	168.5	55.1	82.7#

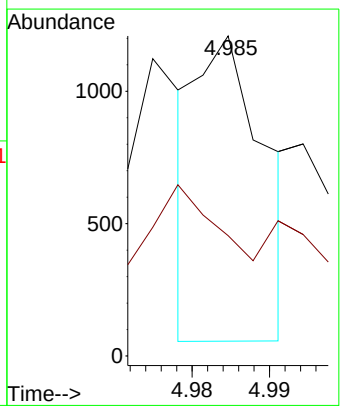


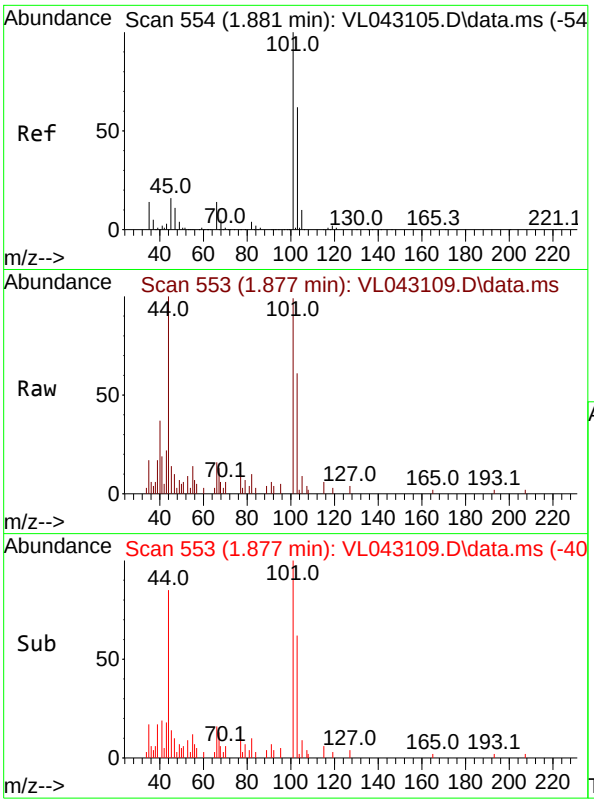


#10
Heptane
Concen: 0.036 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 43 Resp: 706

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.8	61.2#



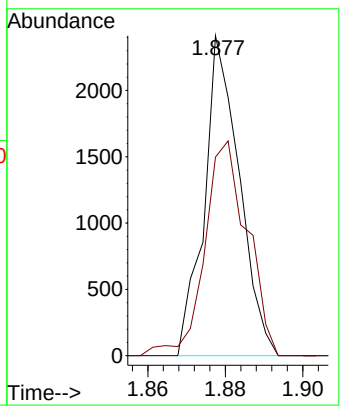


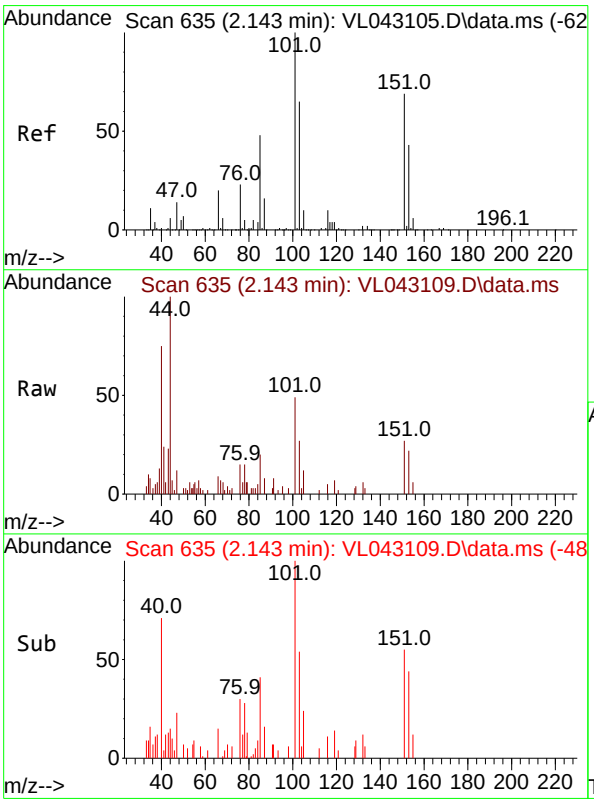
#11
Trichlorofluoromethane
Concen: 0.109 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 1515

Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.3	73.9

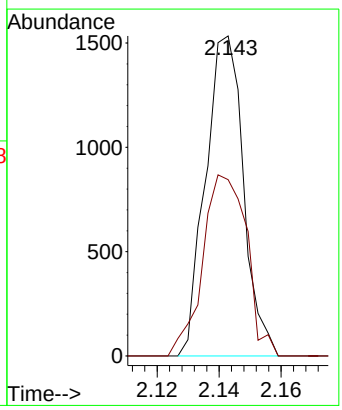


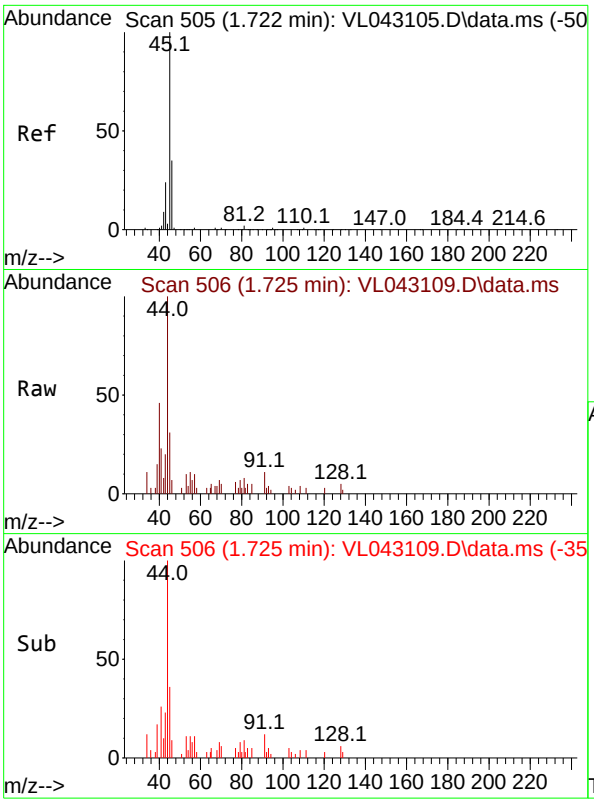


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.116 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:101 Resp: 1303

Ion	Ratio	Lower	Upper
101	100		
151	65.7	54.7	82.1



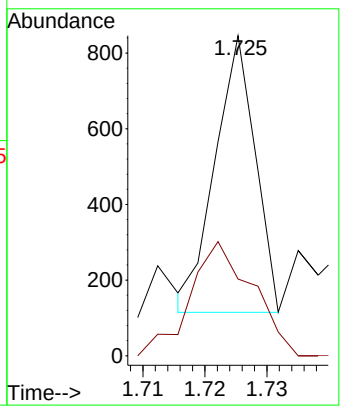


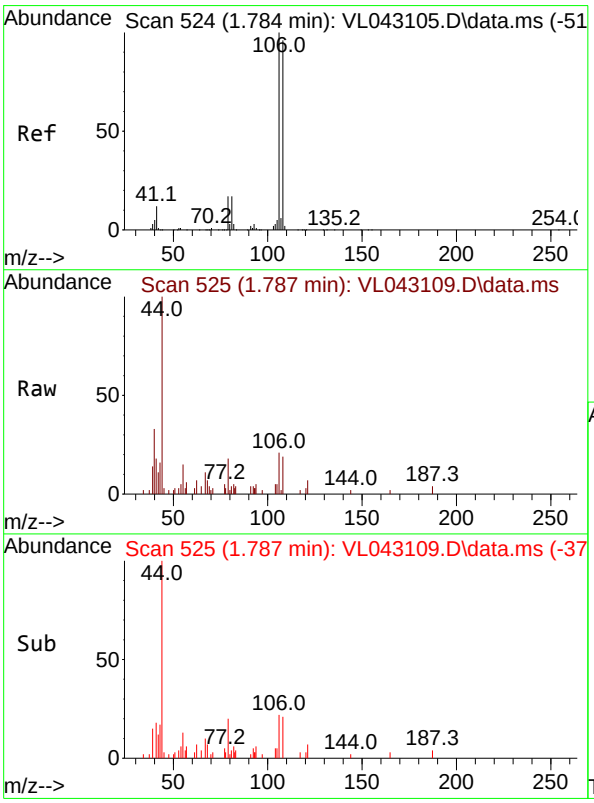
#13
Ethanol
Concen: 0.130 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 327

Ion	Ratio	Lower	Upper
45	100		
46	80.1	14.7	58.9#

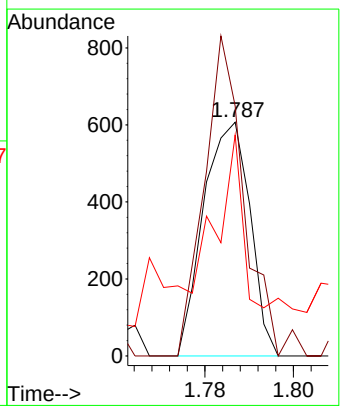


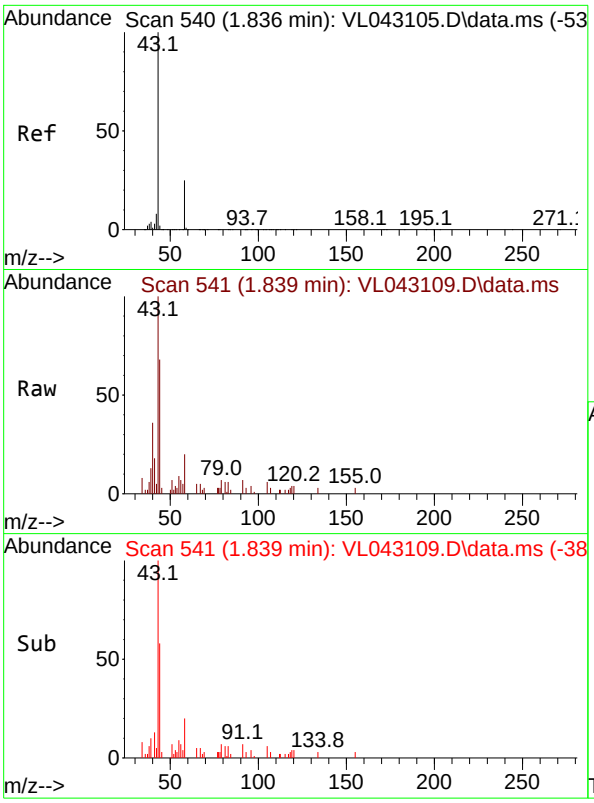


#14
Bromoethene
Concen: 0.107 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:108 Resp: 443

Ion	Ratio	Lower	Upper
108	100		
106	133.2	84.4	126.6#
79	99.1	15.3	22.9#



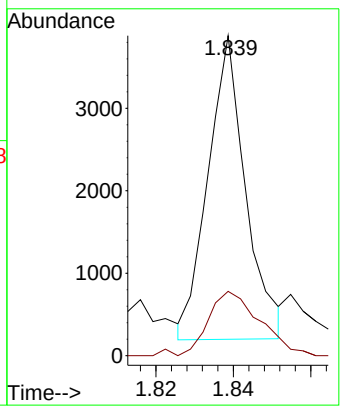


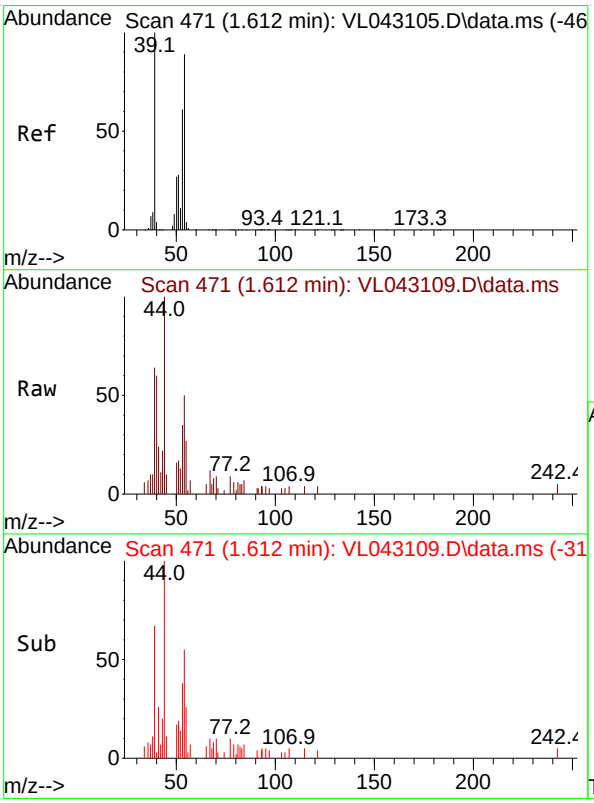
#15
Acetone
Concen: 0.184 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 2487

Ion	Ratio	Lower	Upper
43	100		
58	29.5	20.8	31.2

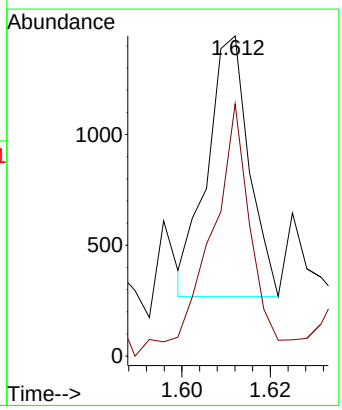


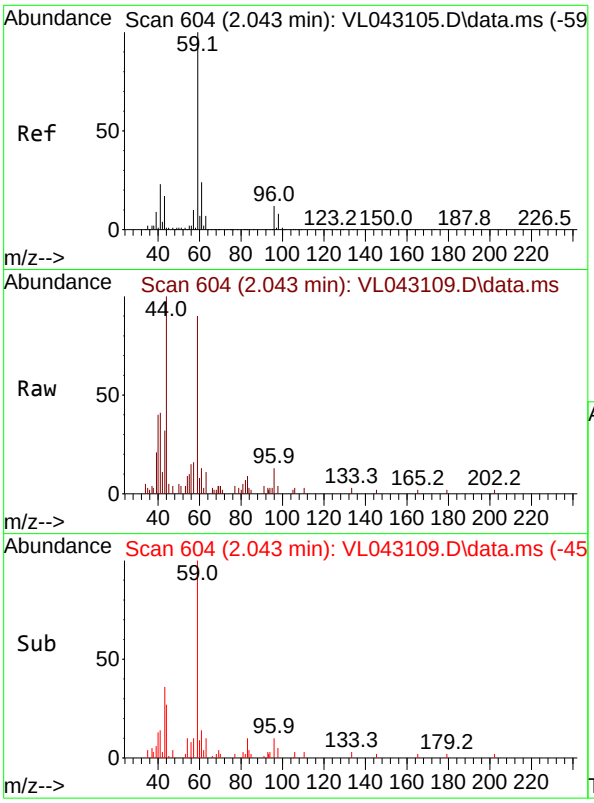


#16
1,3-Butadiene
Concen: 0.120 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 39 Resp: 770

Ion	Ratio	Lower	Upper
39	100		
54	116.8	59.0	88.4#



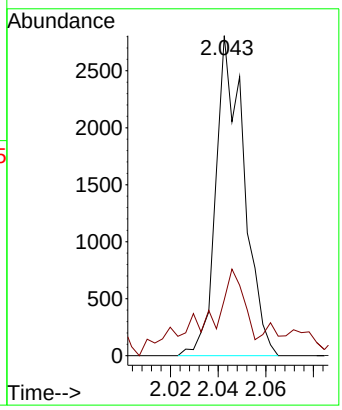


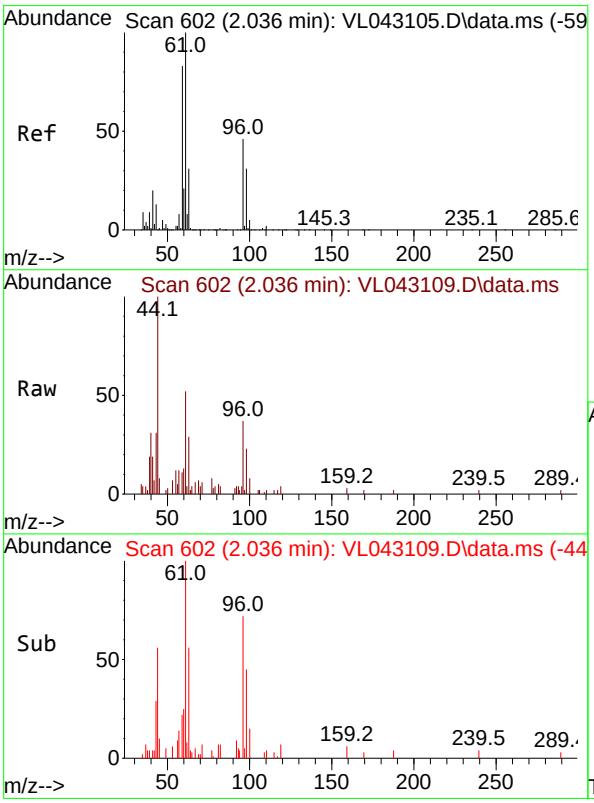
#17
tert-Butyl alcohol
Concen: 0.124 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 59 Resp: 2301

Ion	Ratio	Lower	Upper
59	100		
57	46.6	8.2	12.4#

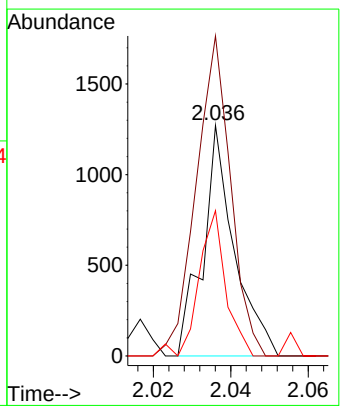


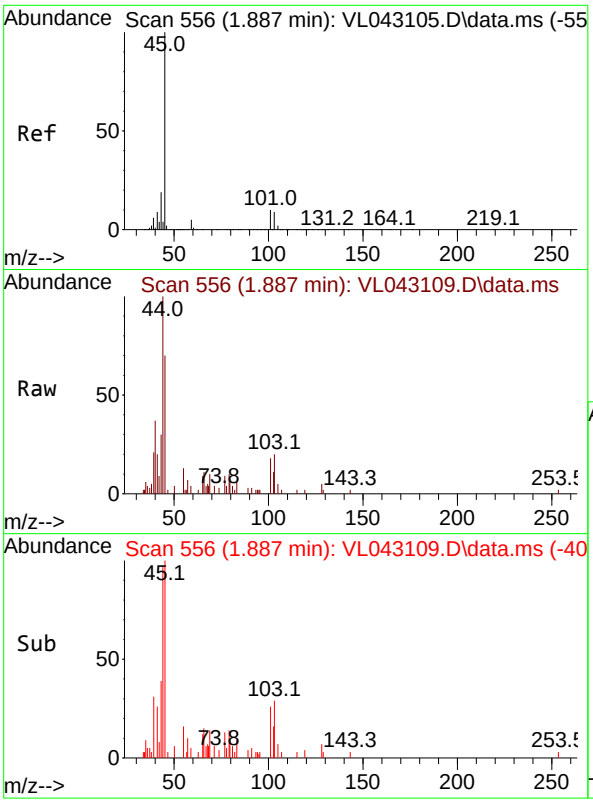


#18
1,1-Dichloroethene
Concen: 0.148 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 96 Resp: 720

Ion	Ratio	Lower	Upper
96	100		
61	149.8	173.4	260.0#
98	63.0	53.2	79.8



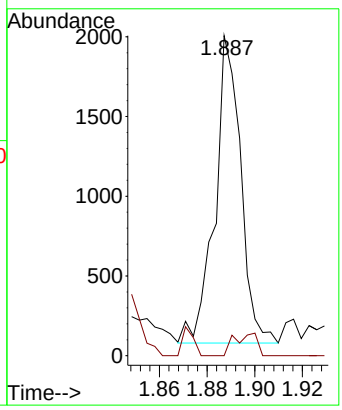


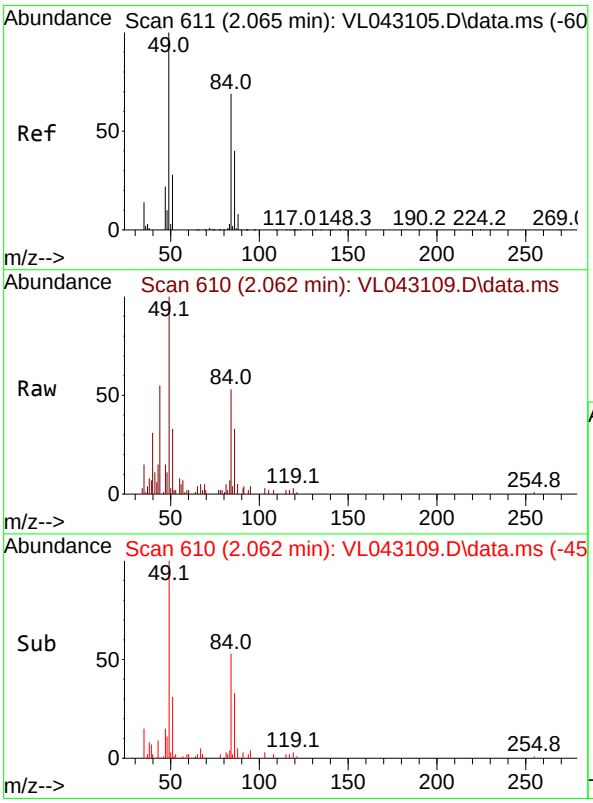
#19
Isopropyl Alcohol
Concen: 0.172 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 1443

Ion	Ratio	Lower	Upper
45	100		
58	10.5	31.3	46.9#

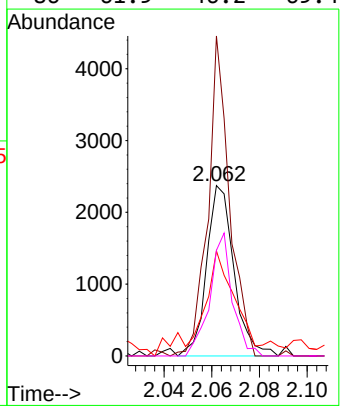


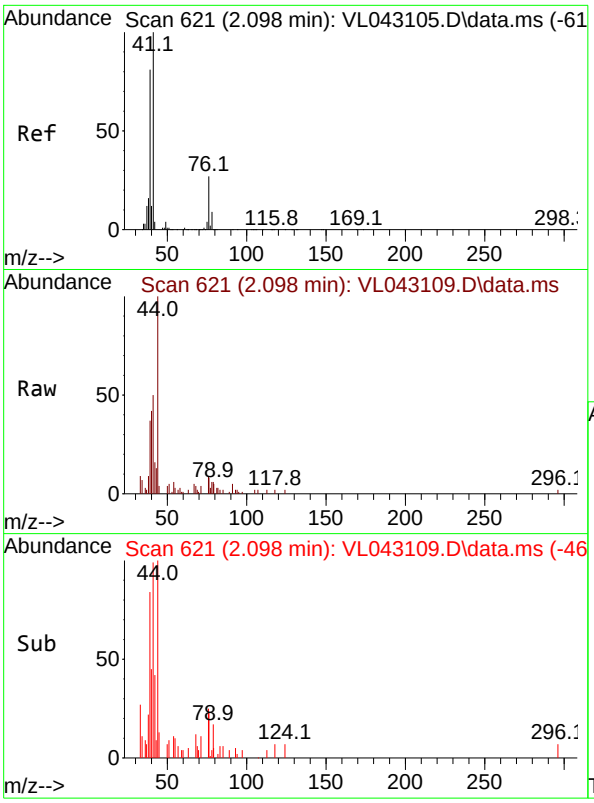


#20
Methylene Chloride
Concen: 0.355 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 84 Resp: 1890

Ion	Ratio	Lower	Upper
84	100		
49	183.9	116.6	175.0#
51	55.8	34.8	52.2#
86	61.9	46.2	69.4



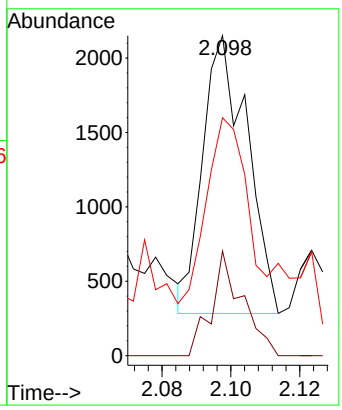


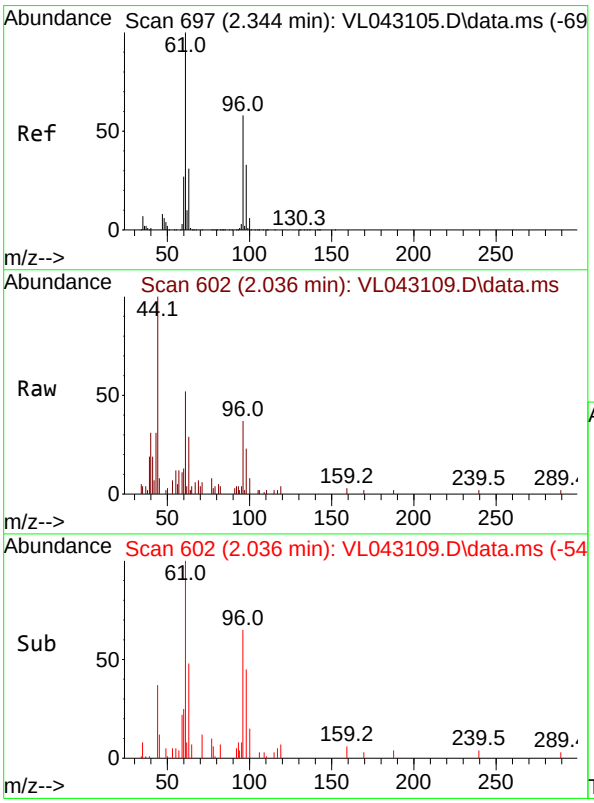
#21
Allyl Chloride
Concen: 0.167 ppbv
RT: 2.098 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 1664

Ion	Ratio	Lower	Upper
41	100		
76	26.4	21.5	32.3
39	142.1	60.8	91.2#

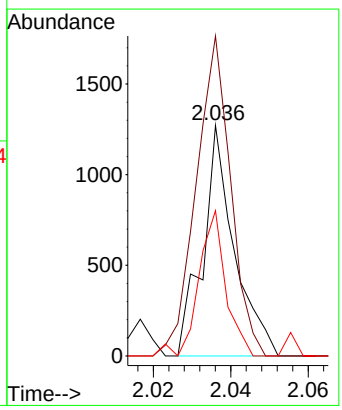


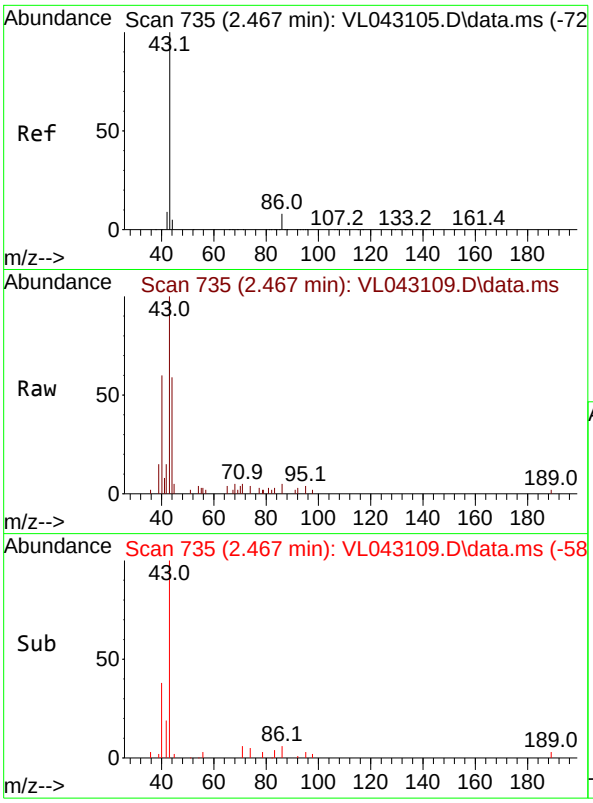


#22
trans-1,2-Dichloroethene
Concen: 0.123 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.308 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 96 Resp: 720

Ion	Ratio	Lower	Upper
96	100		
61	149.8	137.0	205.6
98	63.0	45.5	68.3



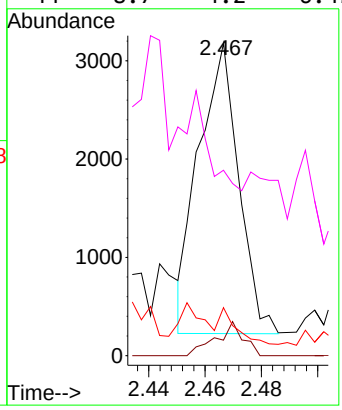


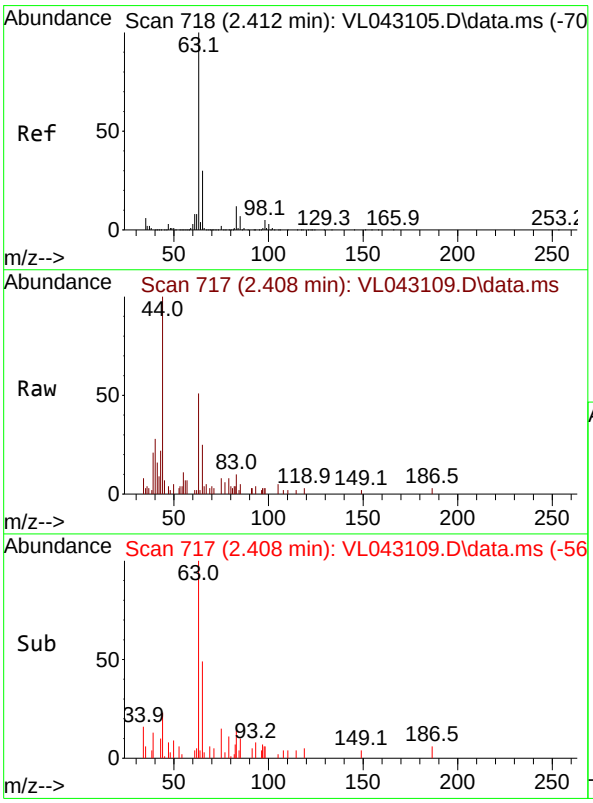
#23
Vinyl Acetate
Concen: 0.148 ppbv
RT: 2.467 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 2916

Ion	Ratio	Lower	Upper
43	100		
86	5.4	6.2	9.2#
42	5.5	7.6	11.4#
44	8.7	4.2	6.4#

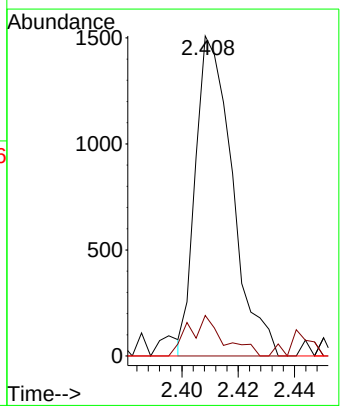


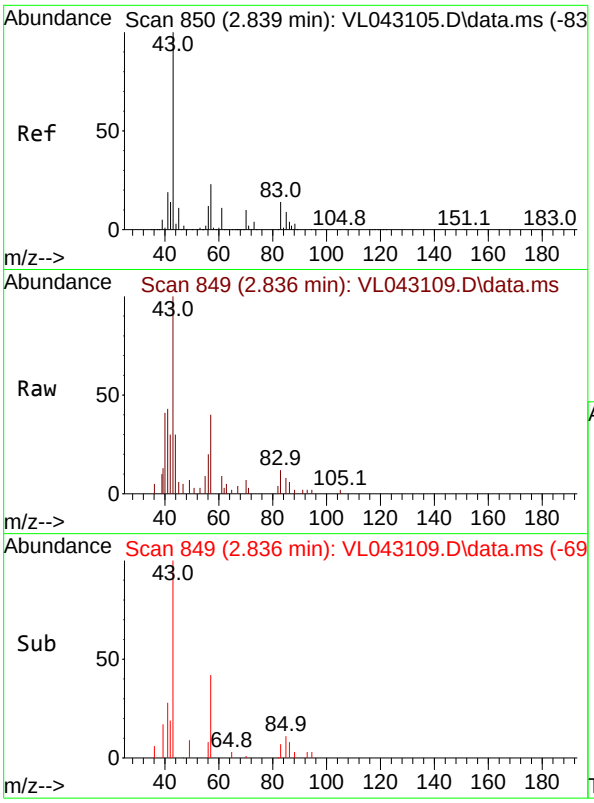


#24
1,1-Dichloroethane
Concen: 0.121 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 63 Resp: 1367

Ion	Ratio	Lower	Upper
63	100		
98	8.5	2.6	7.8#
100	0.0	1.5	4.4#



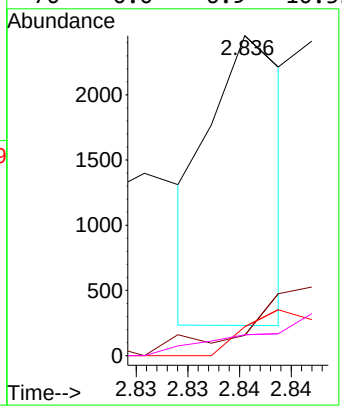


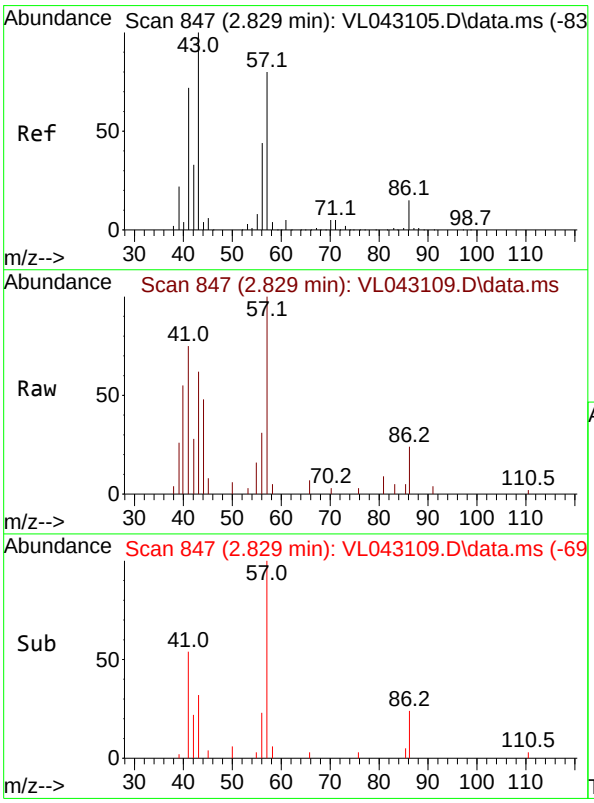
#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 1114

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.8#
61	27.3	7.0	10.6#
70	0.0	6.9	10.3#

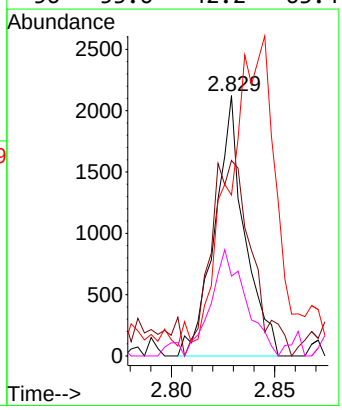


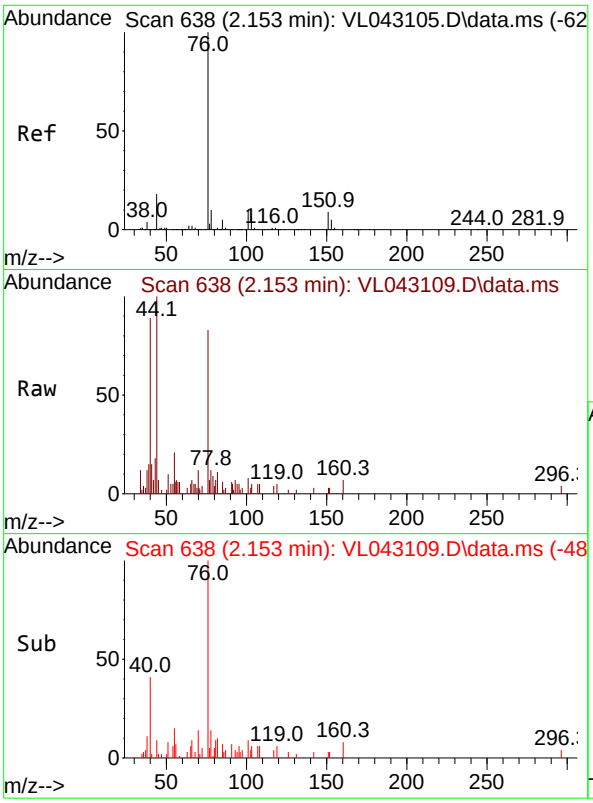


#26
Hexane
Concen: 0.139 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 57 Resp: 2134

Ion	Ratio	Lower	Upper
57	100		
41	106.3	71.4	107.0
43	219.9	178.5	267.7
56	53.6	42.2	63.4



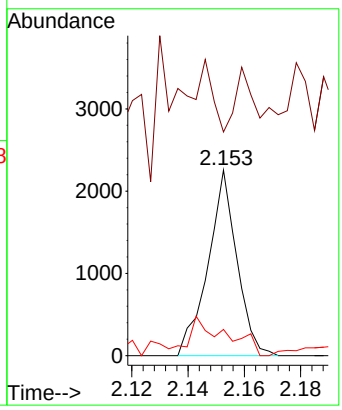


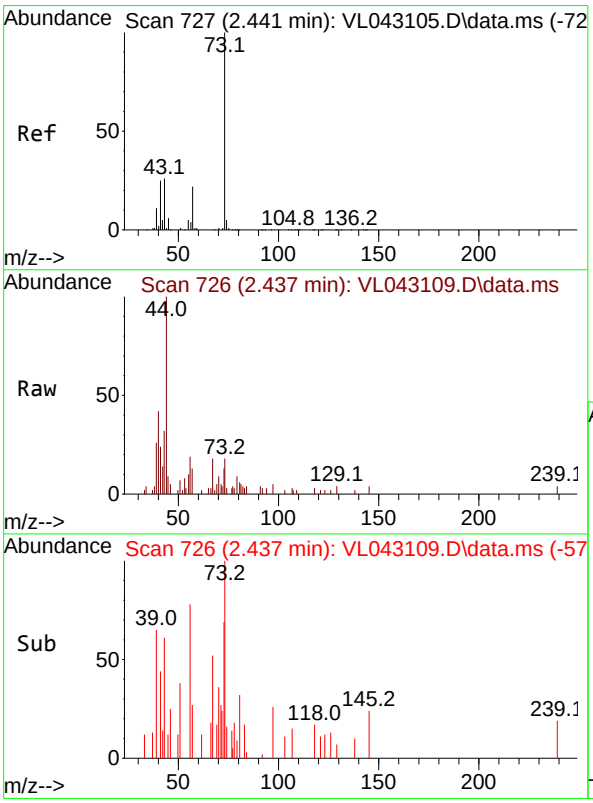
#27
Carbon Disulfide
Concen: 0.114 ppbv
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 76 Resp: 1609

Ion	Ratio	Lower	Upper
76	100		
44	164.6	16.7	25.1#
78	37.2	9.3	13.9#

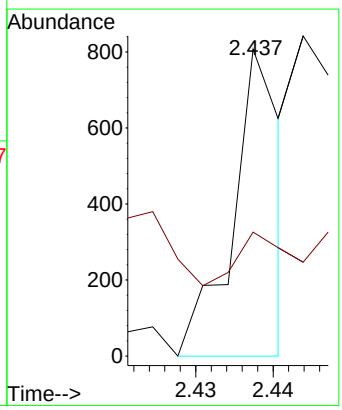


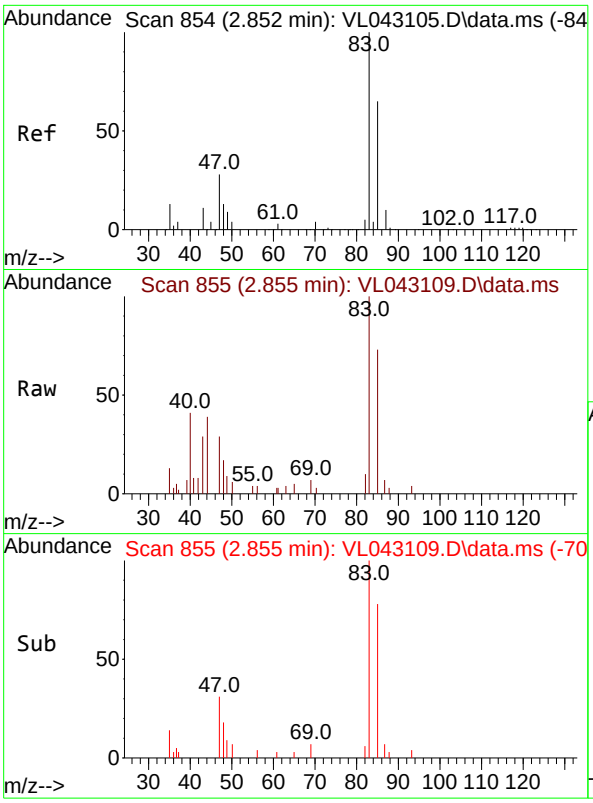


#28
Methyl tert-Butyl Ether
Concen: 0.050 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 73 Resp: 351

Ion	Ratio	Lower	Upper
73	100		
57	0.0	20.5	30.7#



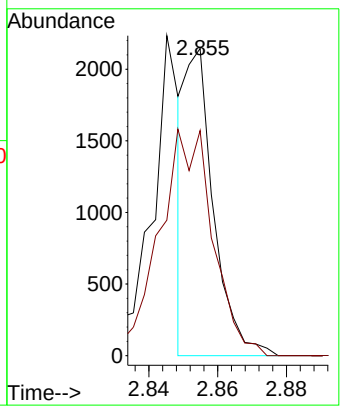


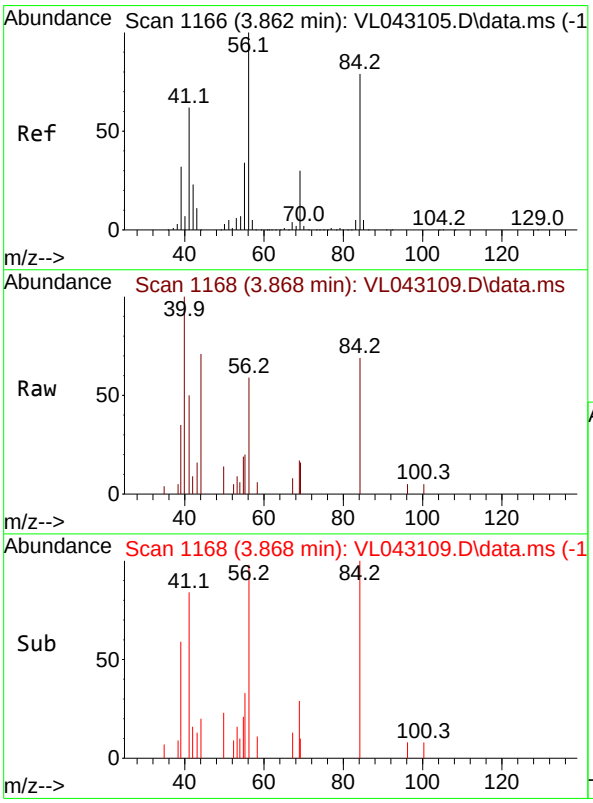
#29
Chloroform
Concen: 0.055 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 1225

Ion	Ratio	Lower	Upper
83	100		
85	73.3	51.8	77.6

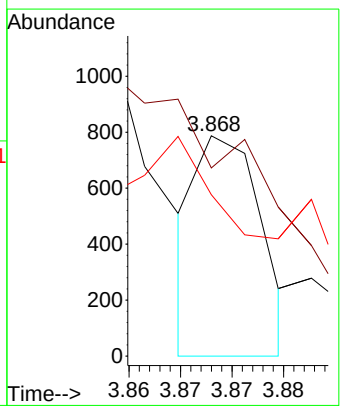


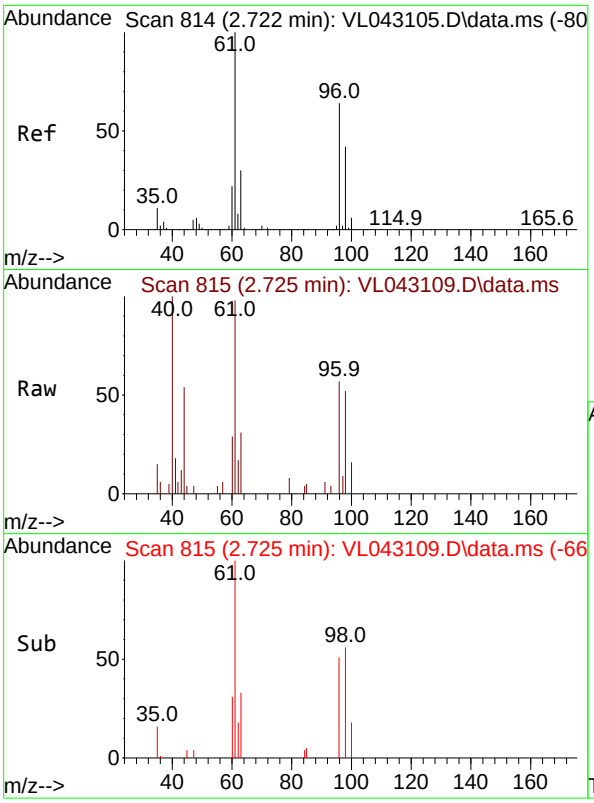


#30
Cyclohexane
Concen: 0.025 ppbv
RT: 3.868 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 84 Resp: 340

Ion	Ratio	Lower	Upper
84	100		
56	0.0	100.9	151.3#
41	578.5	63.8	95.6#



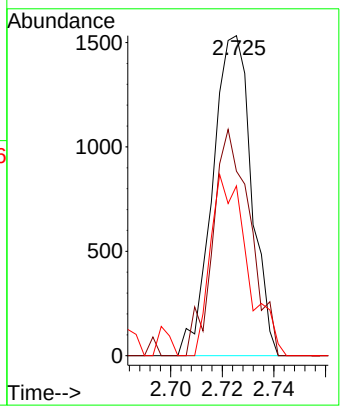


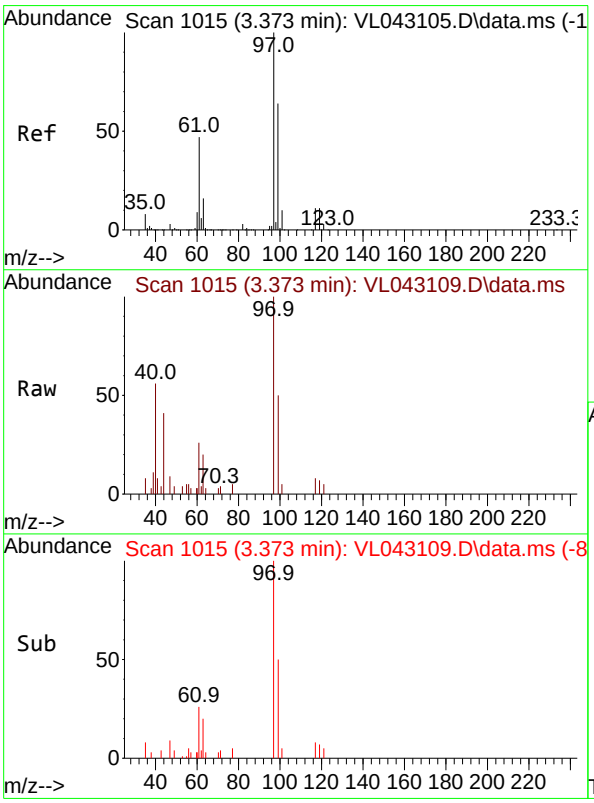
#31
cis-1,2-Dichloroethene
Concen: 0.109 ppbv
RT: 2.725 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 61 Resp: 1605

Ion	Ratio	Lower	Upper
61	100		
96	57.7	51.0	76.6
98	53.0	33.5	50.3#

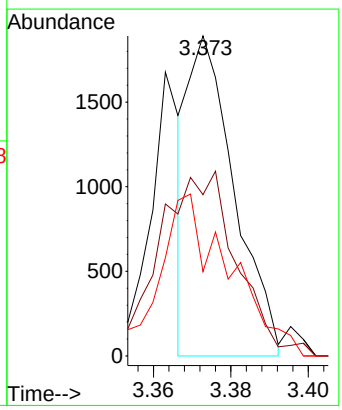


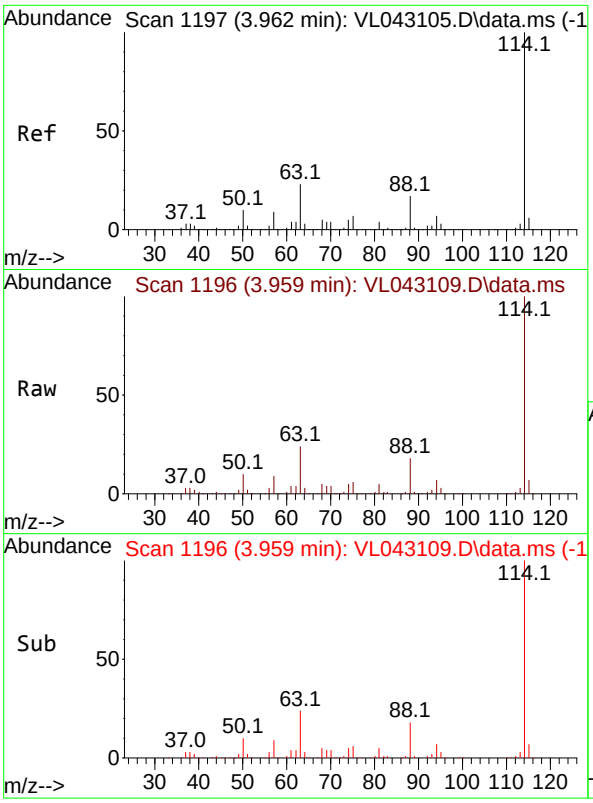


#32
1,1,1-Trichloroethane
Concen: 0.068 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 97 Resp: 1581

Ion	Ratio	Lower	Upper
97	100		
99	94.8	51.3	76.9#
61	76.3	38.4	57.6#



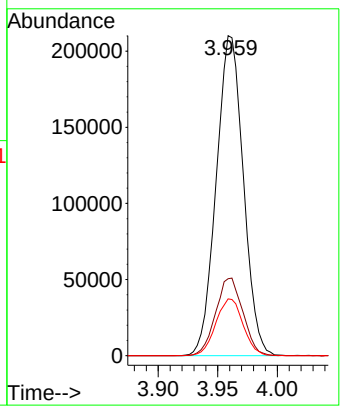


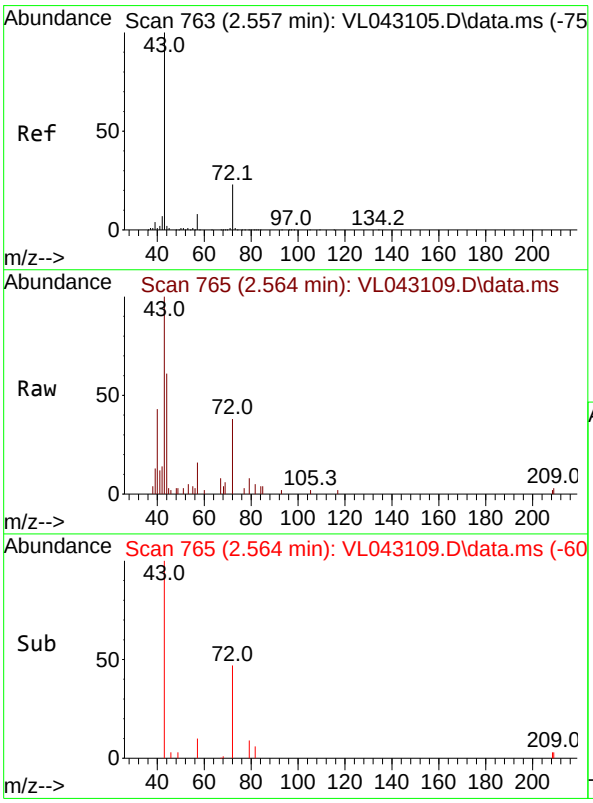
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:114 Resp: 332574

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.3	28.9
88	17.9	13.9	20.9

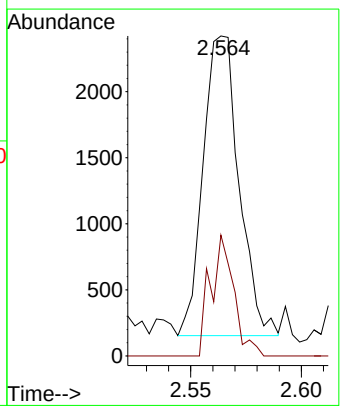


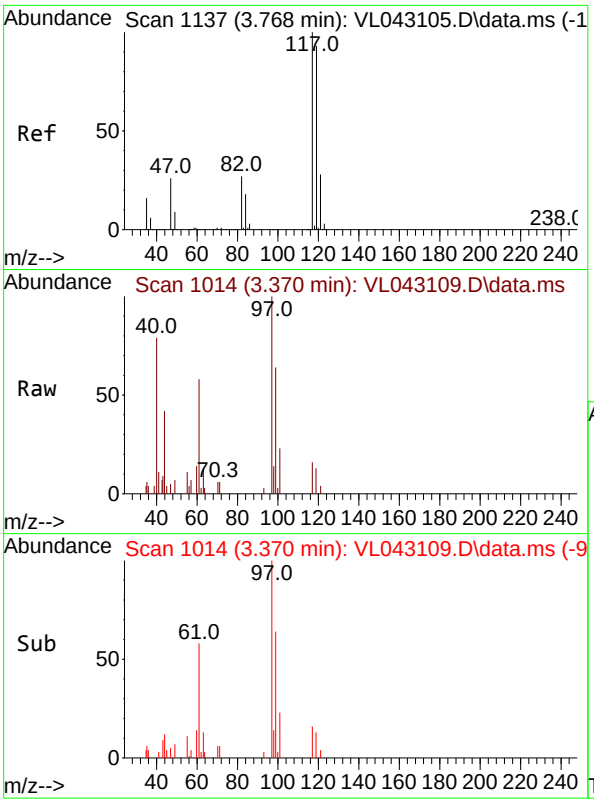


#34
2-Butanone
Concen: 0.114 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 43 Resp: 2560

Ion	Ratio	Lower	Upper
43	100		
72	26.1	18.4	27.6



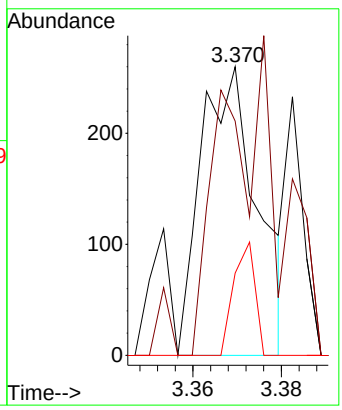


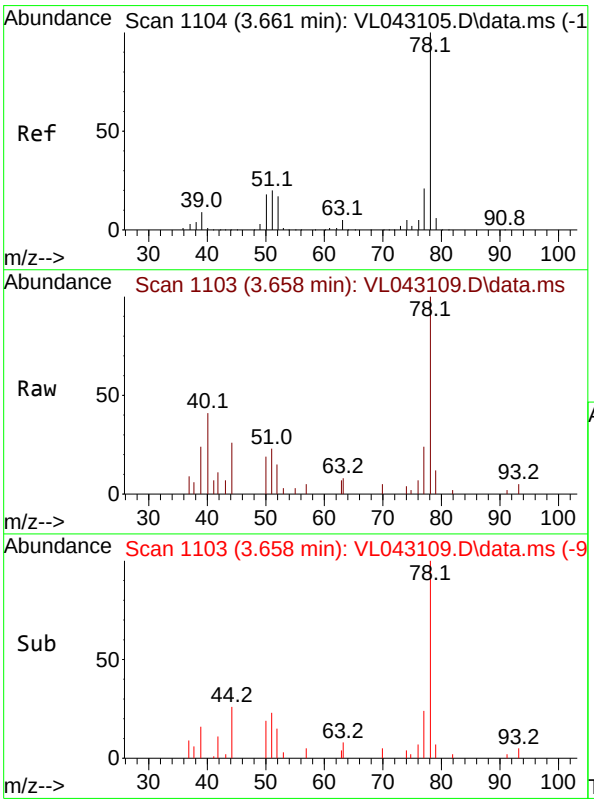
#35
Carbon Tetrachloride
Concen: 0.010 ppbv
RT: 3.370 min Scan# 1
Delta R.T. -0.398 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 231

Ion	Ratio	Lower	Upper
117	100		
119	81.2	74.1	111.1
121	28.5	22.2	33.2

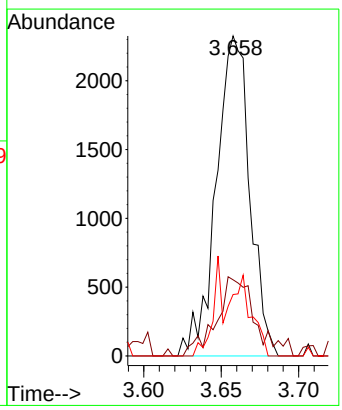


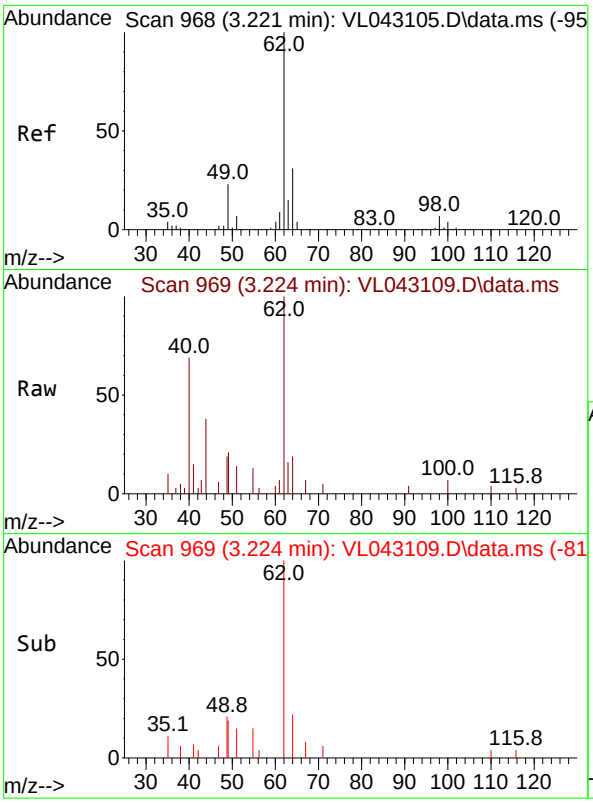


#36
Benzene
Concen: 0.112 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 78 Resp: 3507

Ion	Ratio	Lower	Upper
78	100		
77	23.8	17.0	25.6
50	19.2	14.6	22.0



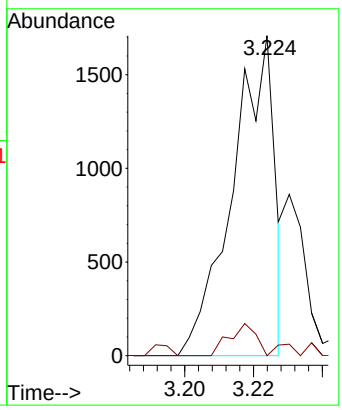


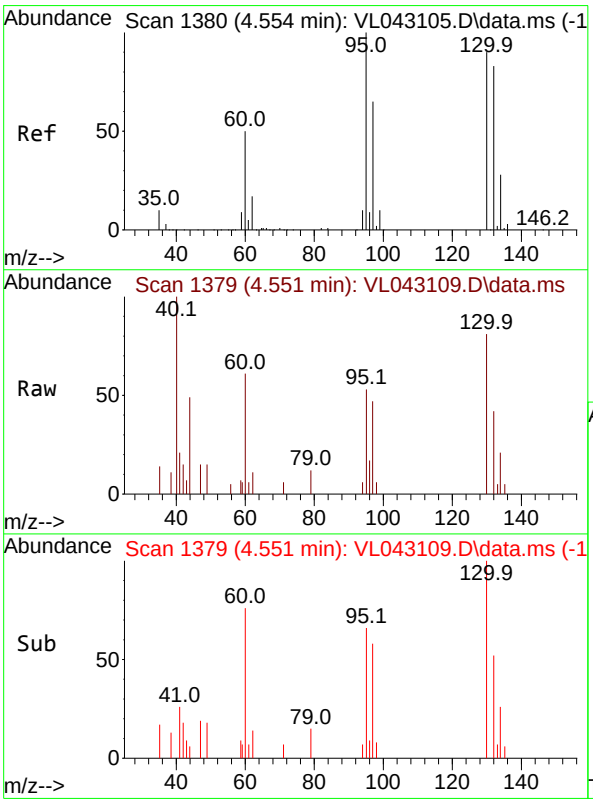
#37
1,2-Dichloroethane
Concen: 0.080 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 1448

Ion	Ratio	Lower	Upper
62	100		
98	9.5	5.8	8.6#

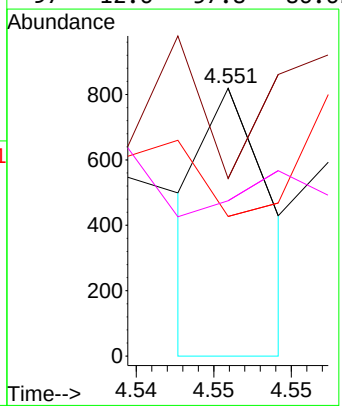


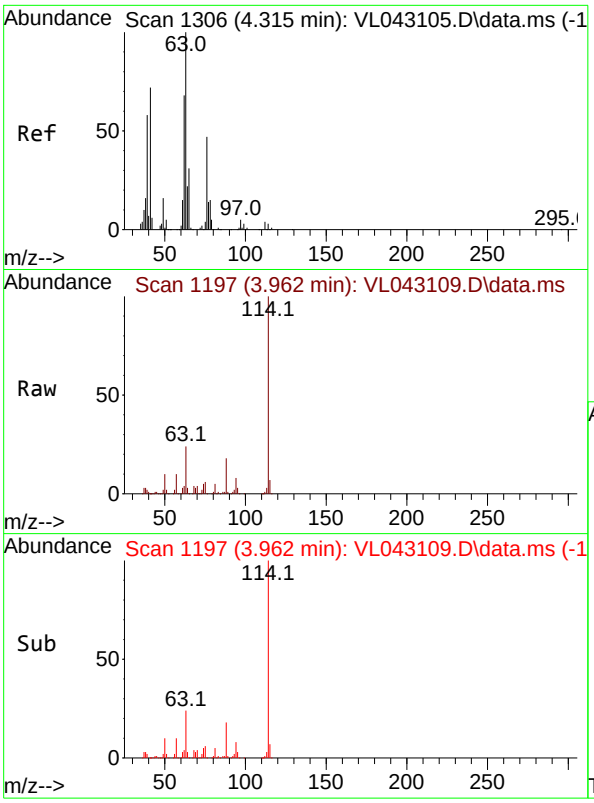


#38
Trichloroethene
Concen: 0.019 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:130 Resp: 242

Ion	Ratio	Lower	Upper
130	100		
95	0.0	88.6	133.0#
132	0.0	73.4	110.0#
97	12.6	57.8	86.6#



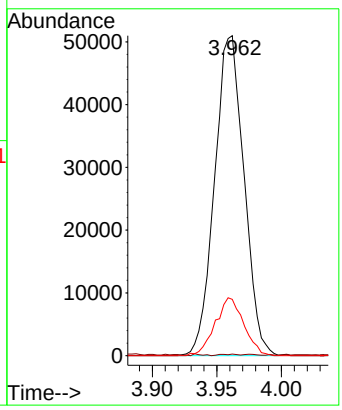


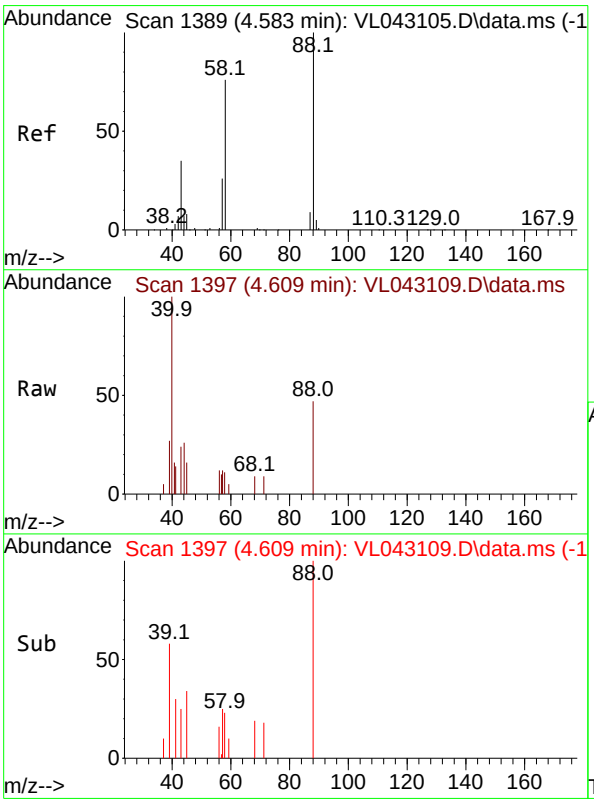
#39
1,2-Dichloropropane
Concen: 7.054 ppbv
RT: 3.962 min Scan# 1
Delta R.T. -0.353 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 63 Resp: 80849

Ion	Ratio	Lower	Upper
63	100		
41	0.5	58.0	87.0#
62	17.6	54.7	82.1#

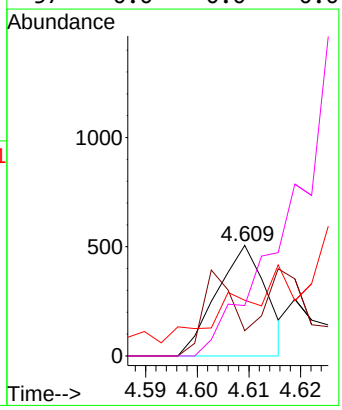


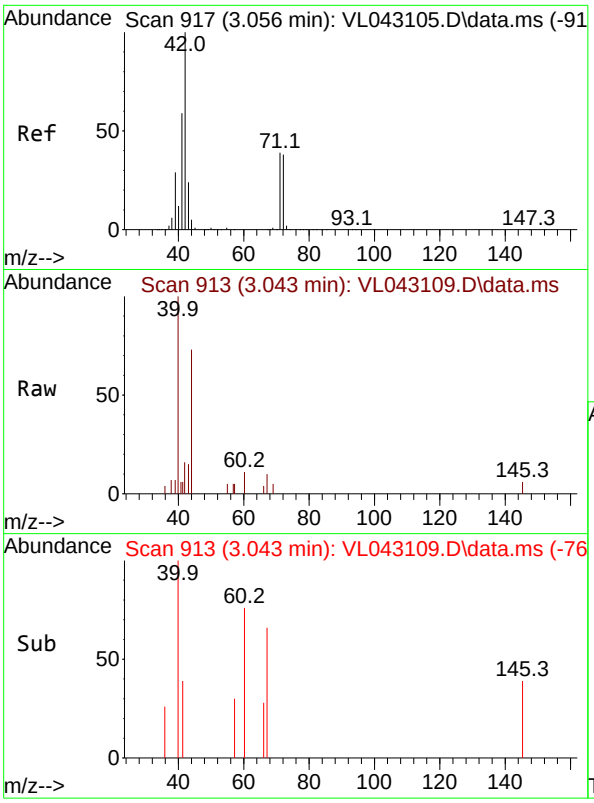


#40
1,4-Dioxane
Concen: 0.066 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. 0.026 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 88 Resp: 339

Ion	Ratio	Lower	Upper
88	100		
58	14.2	61.1	91.7#
43	48.4	24.0	36.0#
57	0.0	0.0	0.0



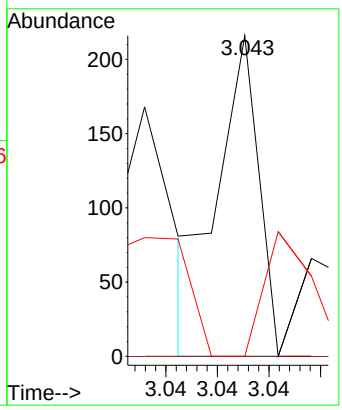


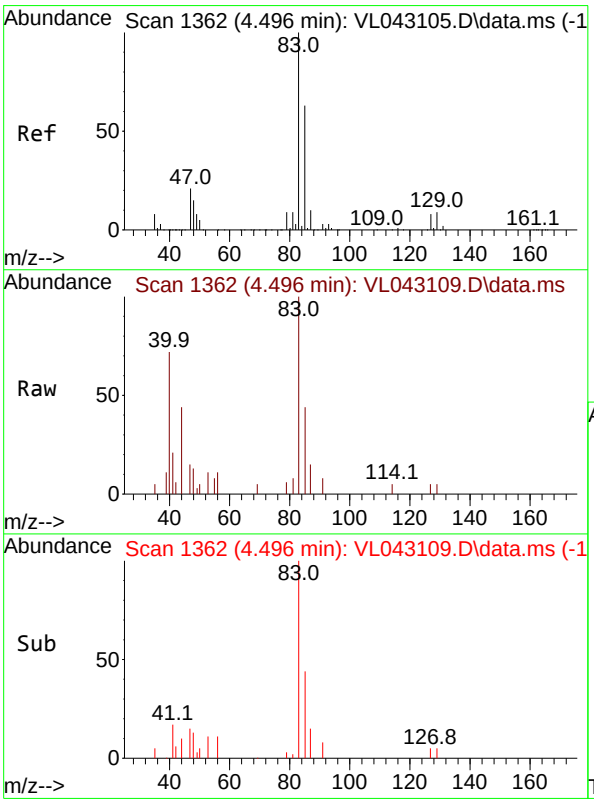
#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.043 min Scan# 91
Delta R.T. -0.013 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 42 Resp: 58

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.3	46.9#
71	0.0	30.4	45.6#

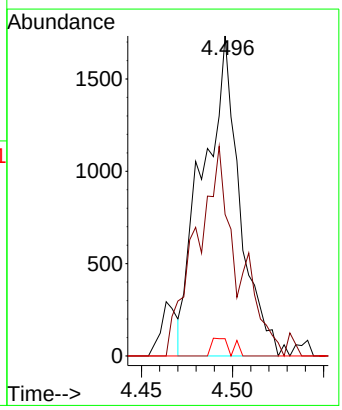


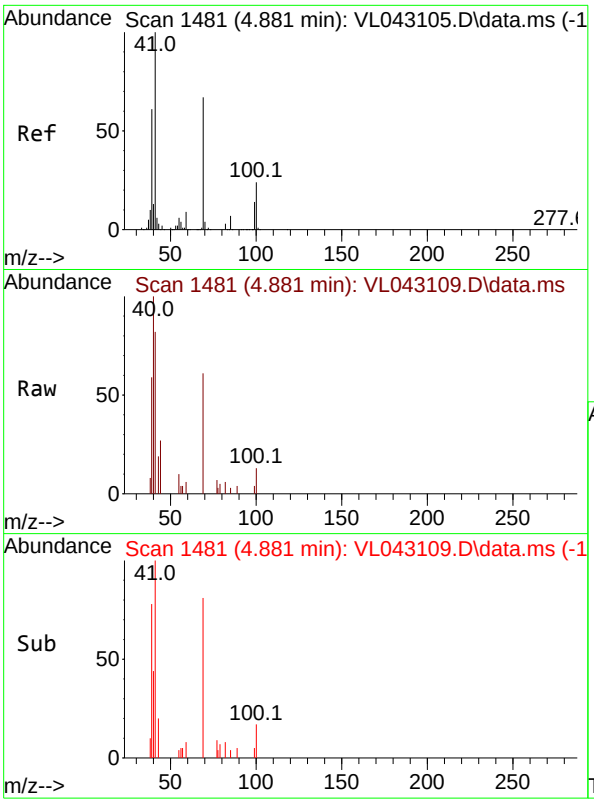


#42
Bromodichloromethane
Concen: 0.098 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 83 Resp: 2440

Ion	Ratio	Lower	Upper
83	100		
85	40.1	50.6	75.8#
127	5.4	6.3	9.5#



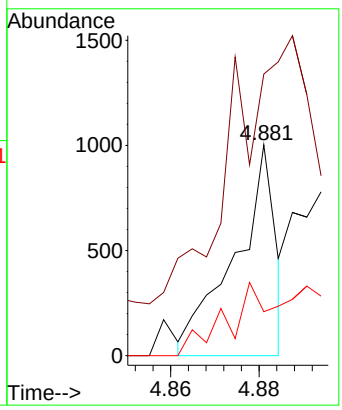


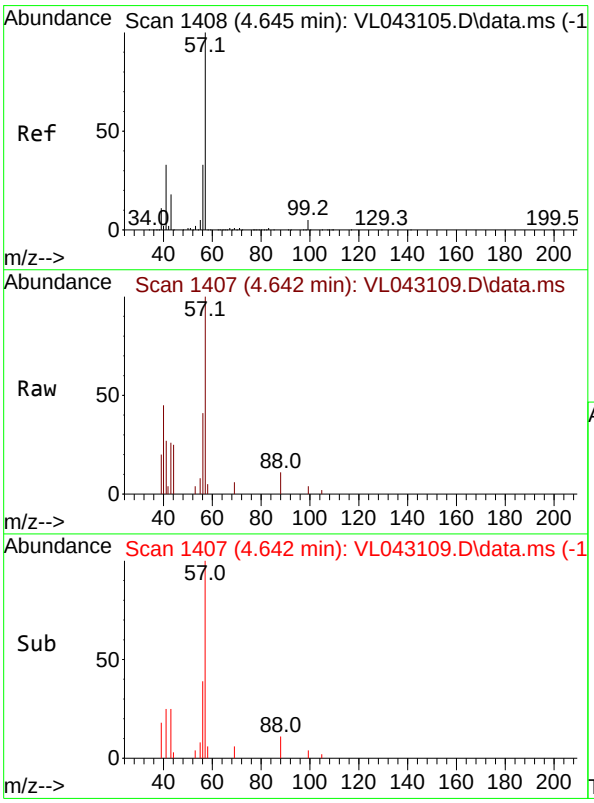
#43
Methyl Methacrylate
Concen: 0.040 ppbv
RT: 4.881 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 69 Resp: 636

Ion	Ratio	Lower	Upper
69	100		
41	0.0	120.5	180.7#
100	0.0	29.0	43.4#

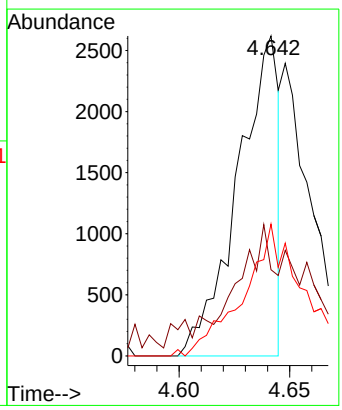


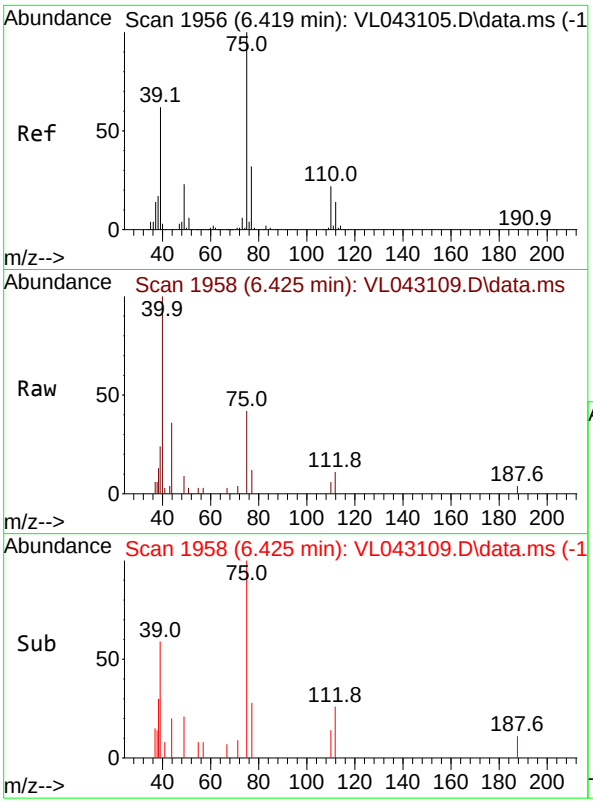


#44
2,2,4-Trimethylpentane
Concen: 0.064 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 57 Resp: 3354

Ion	Ratio	Lower	Upper
57	100		
41	68.1	26.3	39.5#
56	59.0	25.9	38.9#



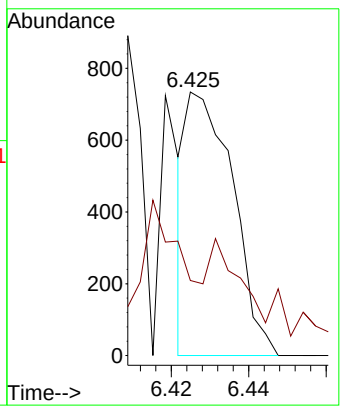


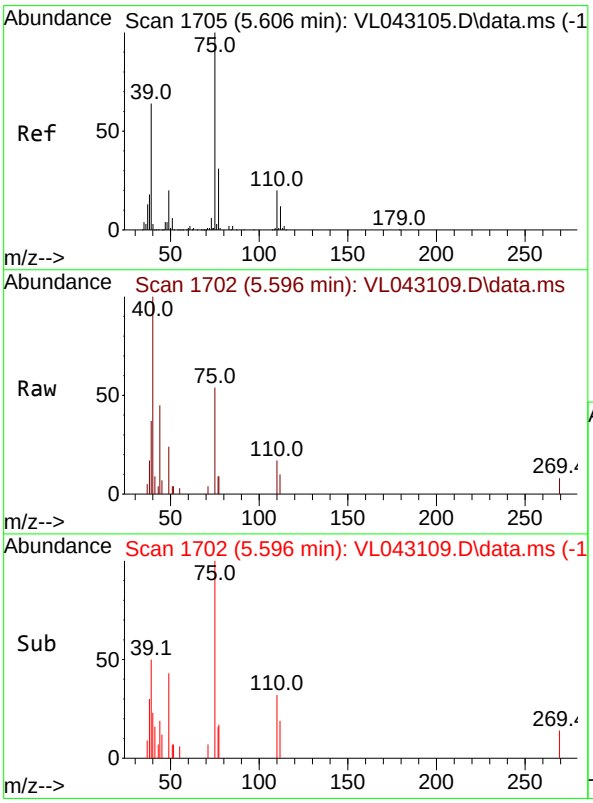
#45
t-1,3-Dichloropropene
Concen: 0.039 ppbv
RT: 6.425 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 75 Resp: 617

Ion	Ratio	Lower	Upper
75	100		
77	28.5	25.4	38.2

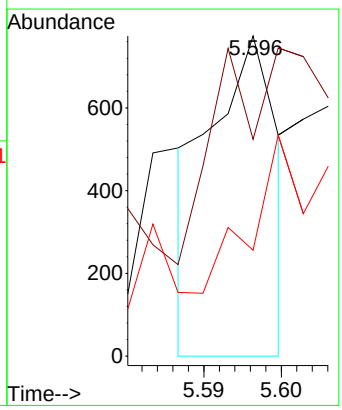


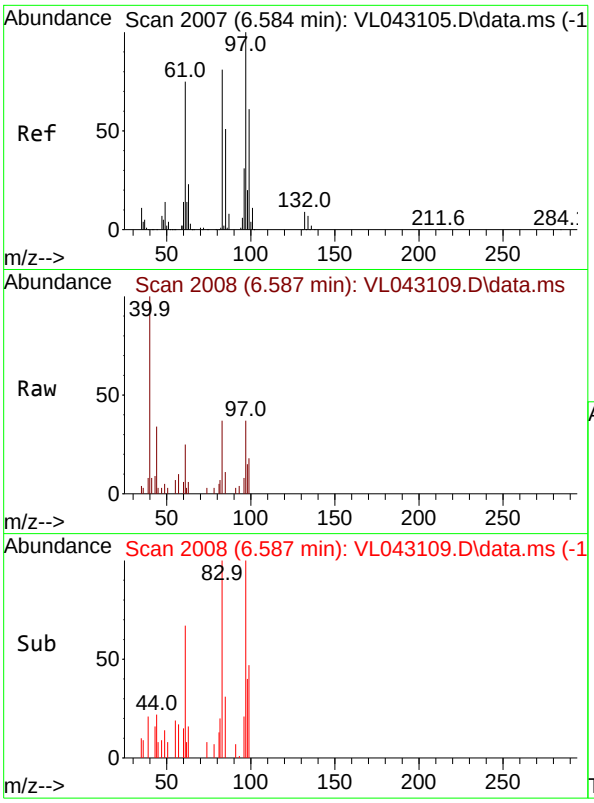


#46
cis-1,3-Dichloropropene
Concen: 0.025 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.010 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 75 Resp: 472

Ion	Ratio	Lower	Upper
75	100		
39	111.8	51.0	76.6#
77	37.6	25.0	37.4#



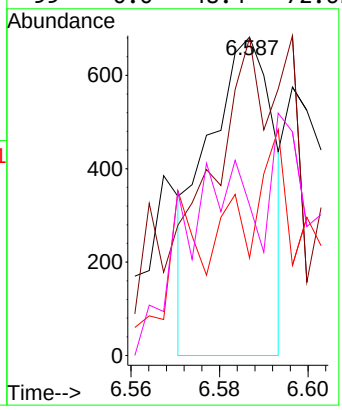


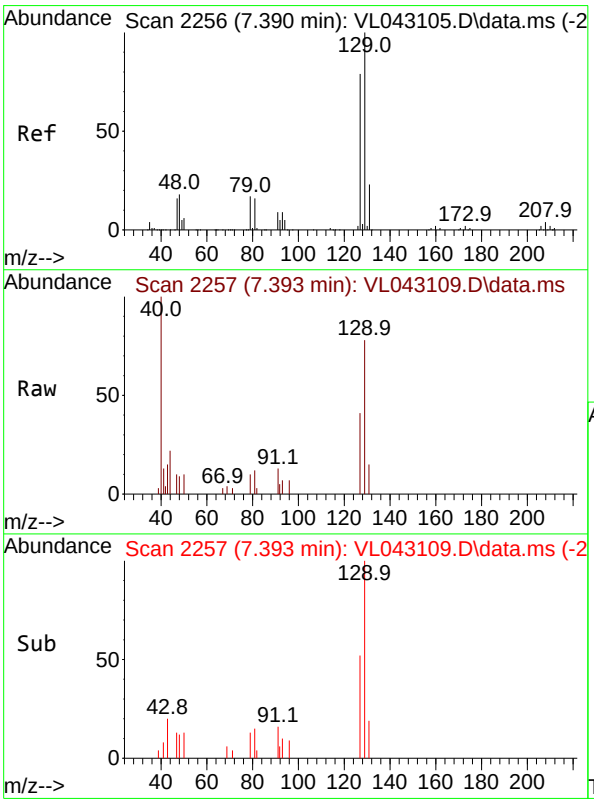
#47
1,1,2-Trichloroethane
Concen: 0.058 ppbv
RT: 6.587 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 716

Ion	Ratio	Lower	Upper
97	100		
83	117.6	64.6	96.8#
85	0.0	40.6	60.8#
99	0.0	48.4	72.6#

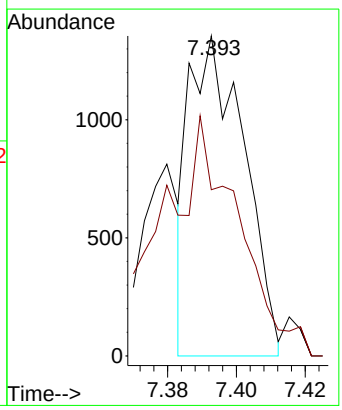


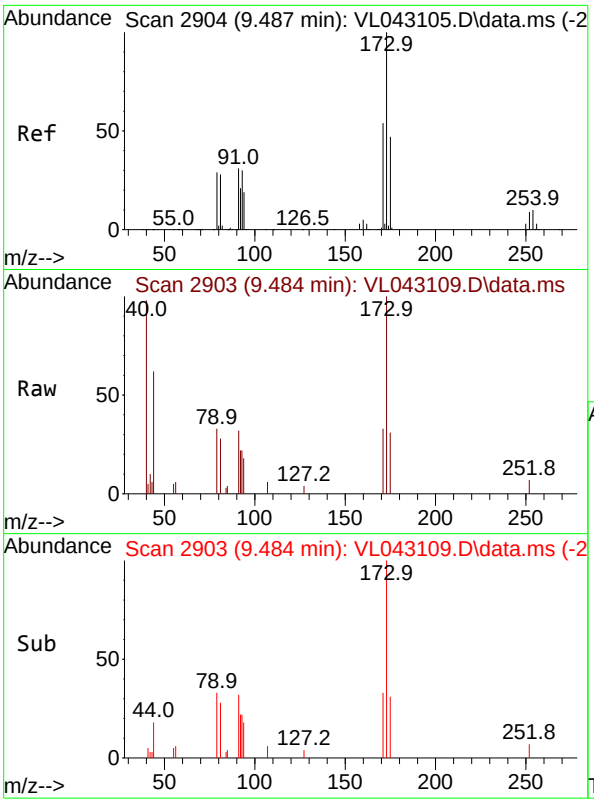


#48
Dibromochloromethane
Concen: 0.073 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:129 Resp: 1506

Ion	Ratio	Lower	Upper
129	100		
127	102.8	39.3	117.9



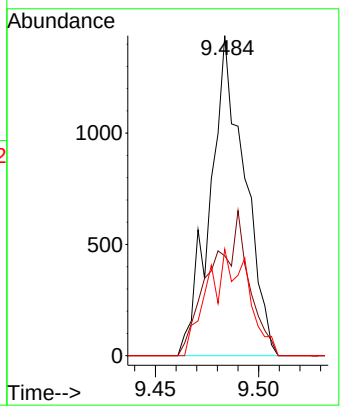


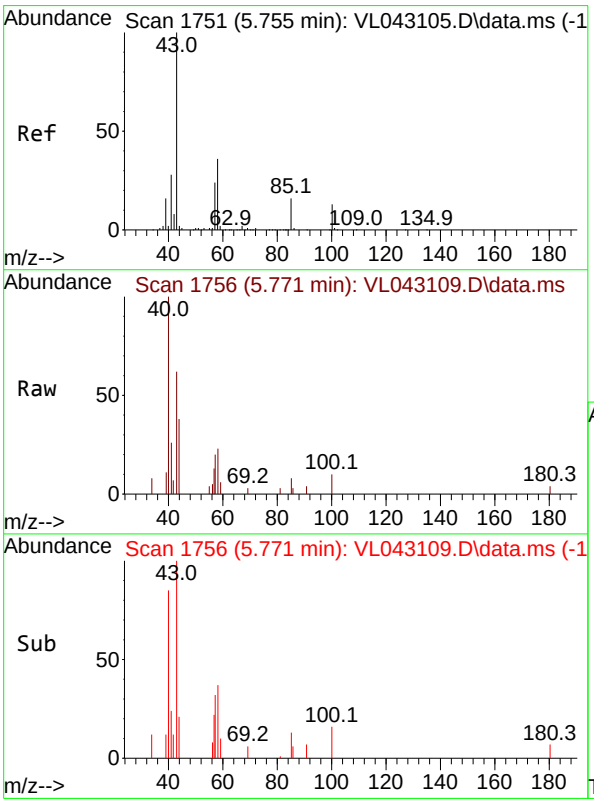
#49
Bromoform
Concen: 0.099 ppbv
RT: 9.484 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:173 Resp: 1666

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.8	58.2
171	39.1	41.7	62.5#

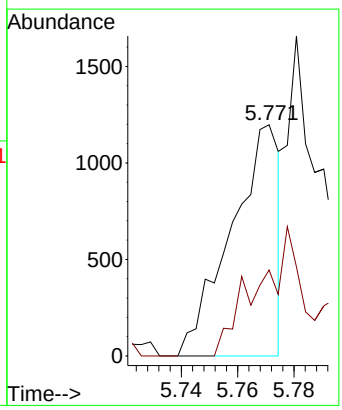


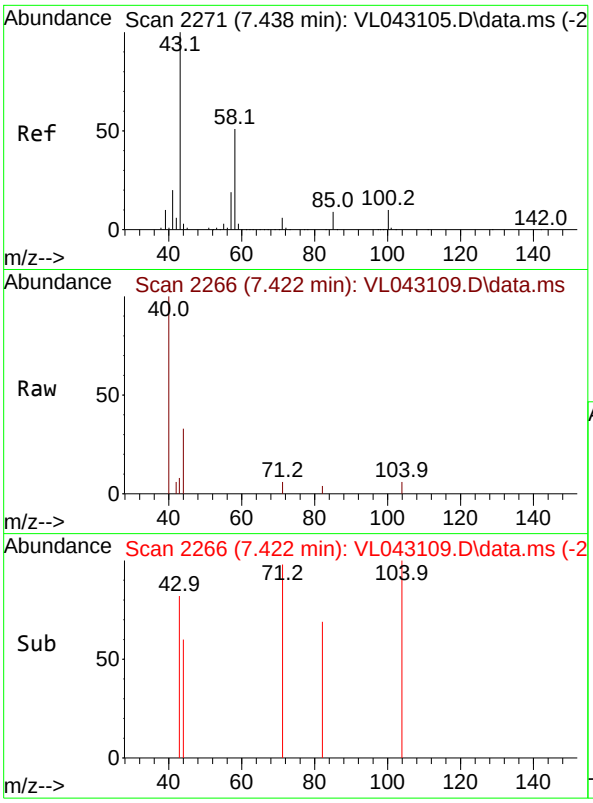


#50
4-Methyl-2-Pentanone
Concen: 0.046 ppbv
RT: 5.771 min Scan# 1756
Delta R.T. 0.016 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 43 Resp: 1420

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#



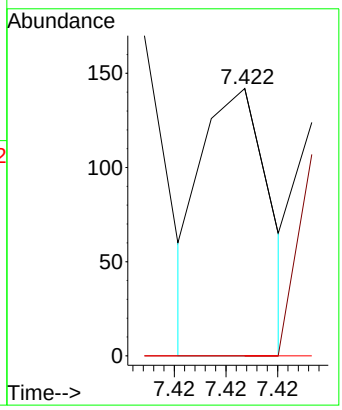


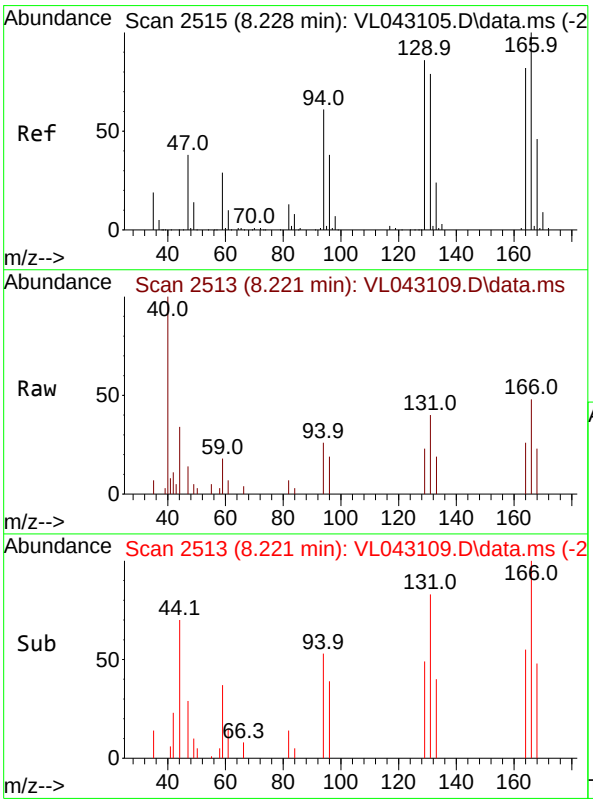
#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.422 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 65

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.4	60.6#
98	0.0	0.1	0.1#

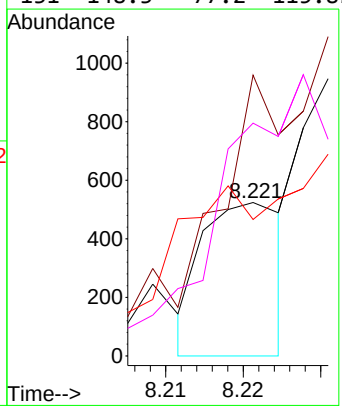


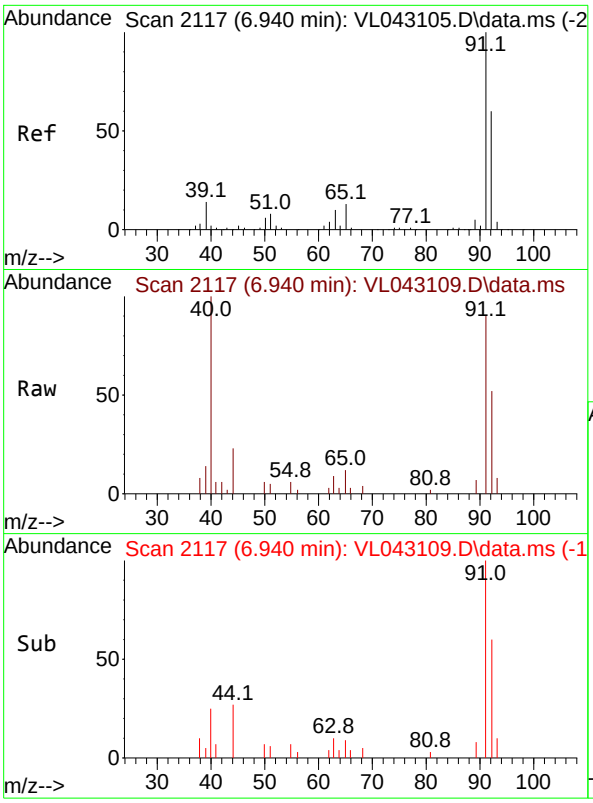


#52
Tetrachloroethene
Concen: 0.033 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.007 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:164 Resp: 377

Ion	Ratio	Lower	Upper
164	100		
166	208.1	97.6	146.4#
129	0.0	84.5	126.7#
131	148.3	77.2	115.8#



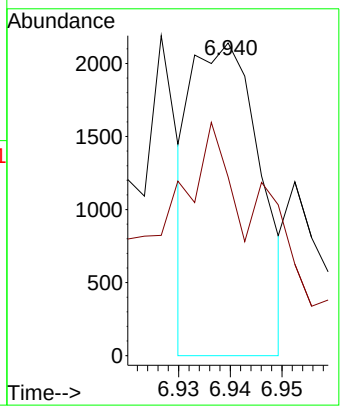


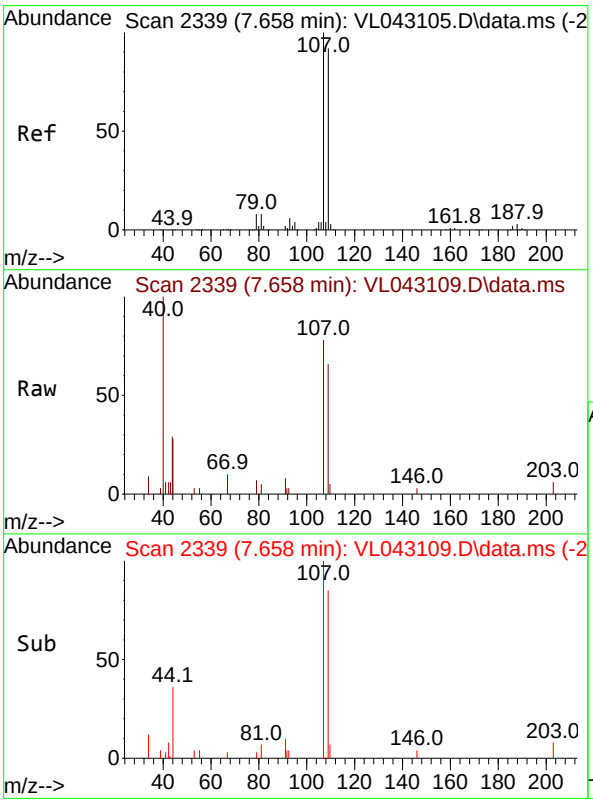
#53
Toluene
Concen: 0.053 ppbv
RT: 6.940 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 1973

Ion	Ratio	Lower	Upper
91	100		
92	130.1	48.8	73.2#

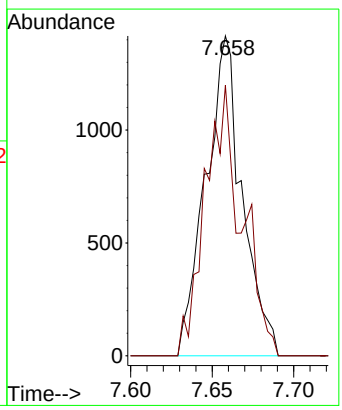


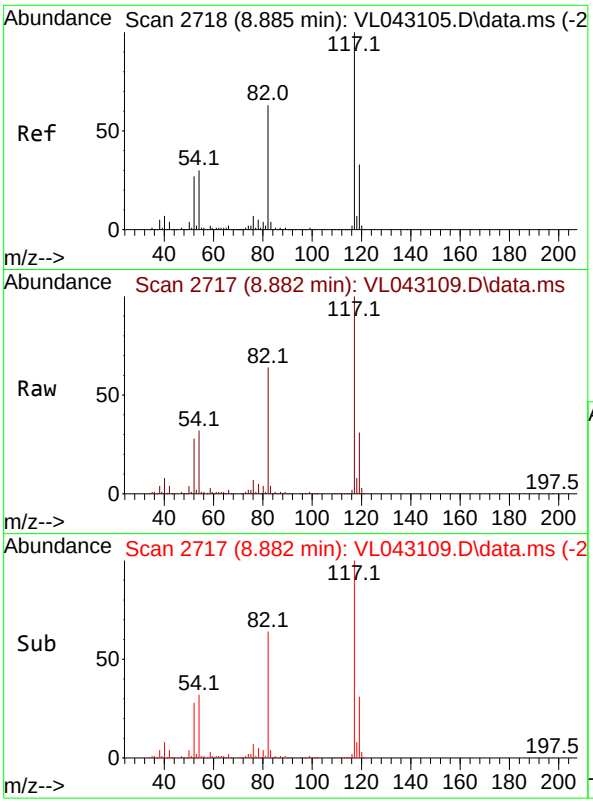


#54
1,2-Dibromoethane
Concen: 0.113 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:107 Resp: 2201

Ion	Ratio	Lower	Upper
107	100		
109	91.5	73.4	110.2



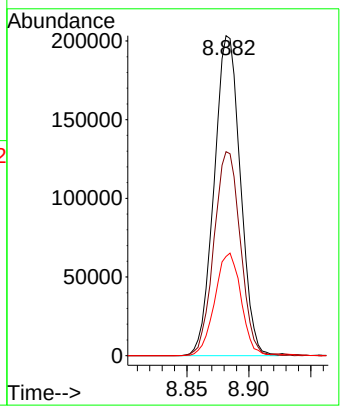


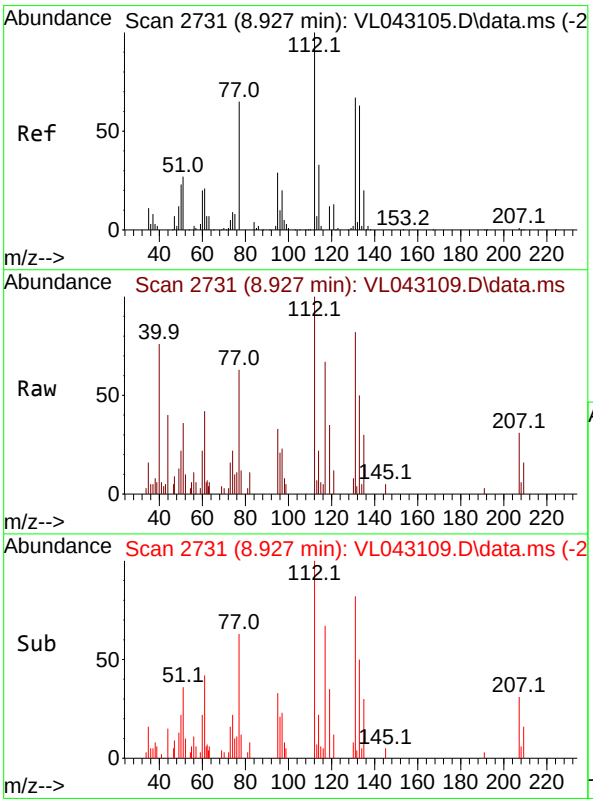
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 299676

Ion	Ratio	Lower	Upper
117	100		
82	64.3	53.8	80.8
119	32.5	25.4	38.0

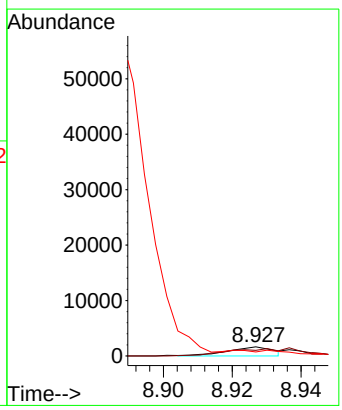


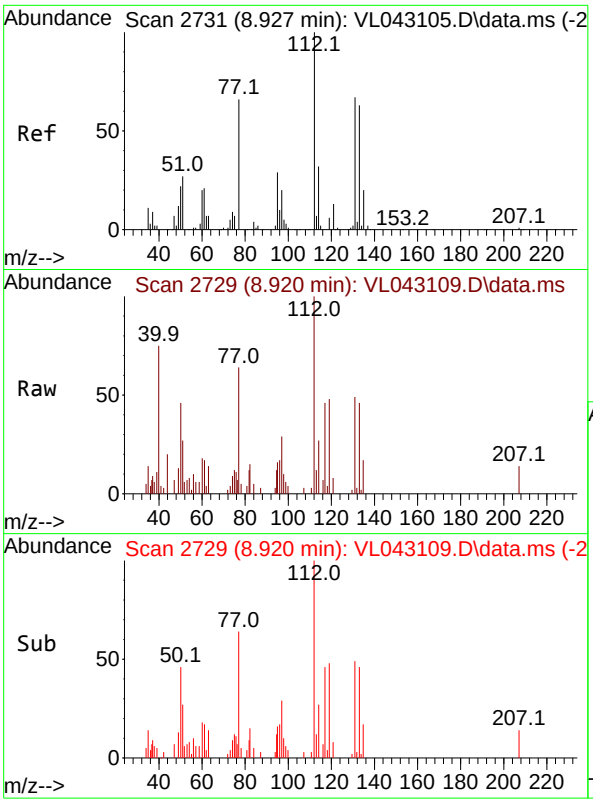


#56
1,1,1,2-Tetrachloroethane
Concen: 0.080 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:131 Resp: 1509

Ion	Ratio	Lower	Upper
131	100		
133	0.0	75.7	113.5#
119	0.0	50.6	76.0#



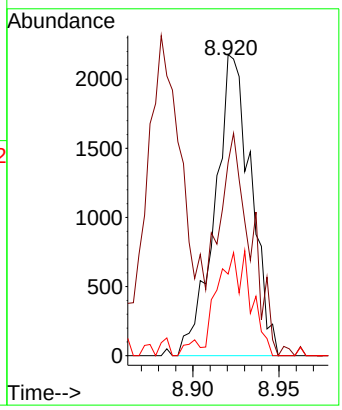


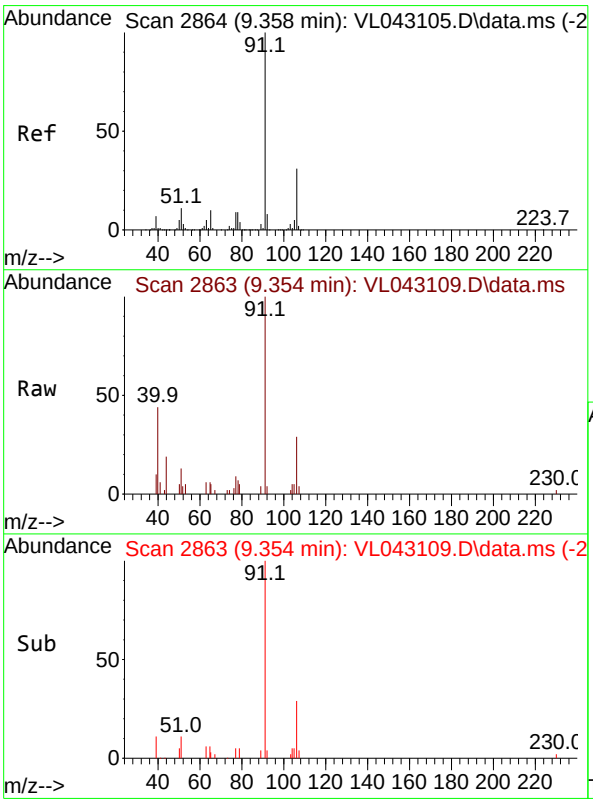
#57
Chlorobenzene
Concen: 0.113 ppbv
RT: 8.920 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:112 Resp: 3177

Ion	Ratio	Lower	Upper
112	100		
77	64.1	53.3	79.9
114	27.1	29.3	35.8#

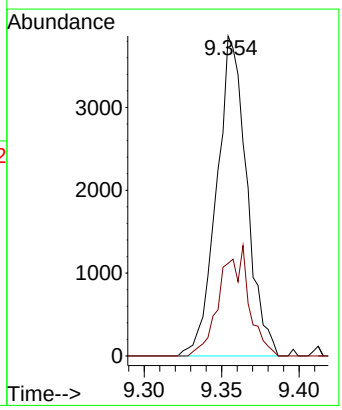


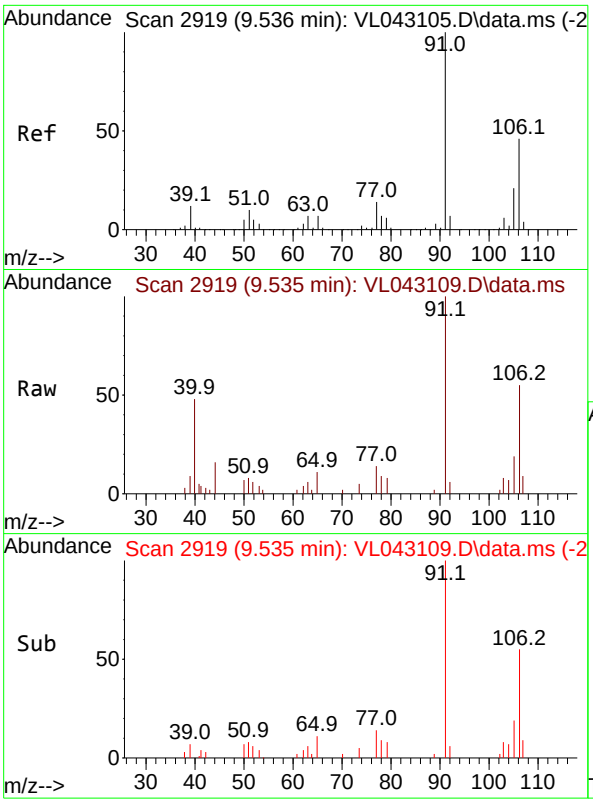


#58
Ethyl Benzene
Concen: 0.100 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 91 Resp: 5210

Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.8	37.2



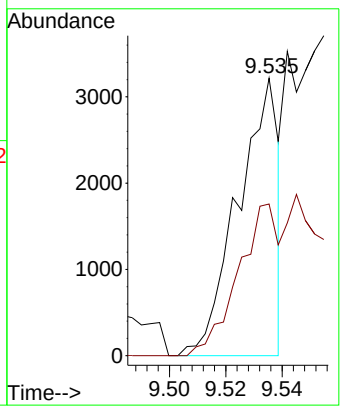


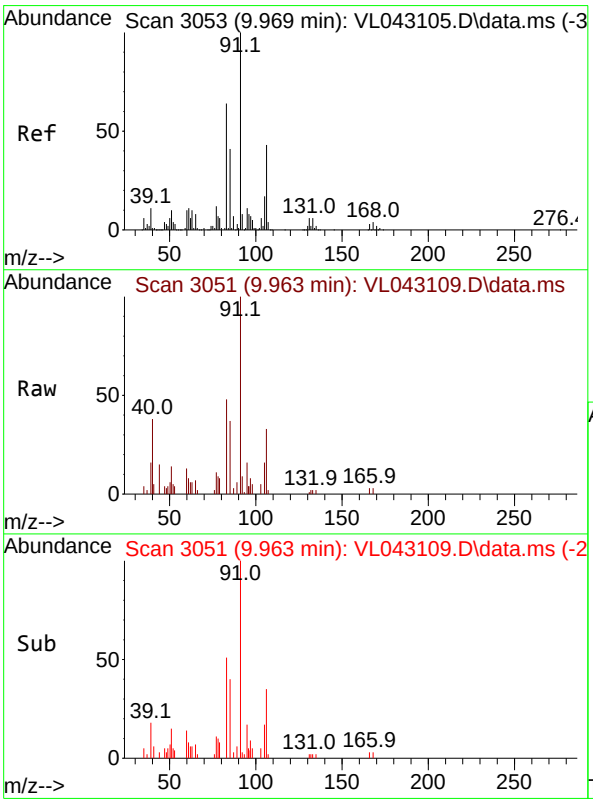
#59
m/p-Xylene
Concen: 0.078 ppbv
RT: 9.535 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 3213

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

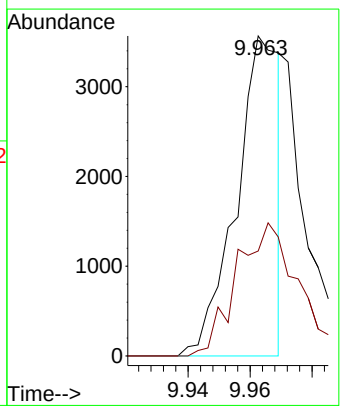


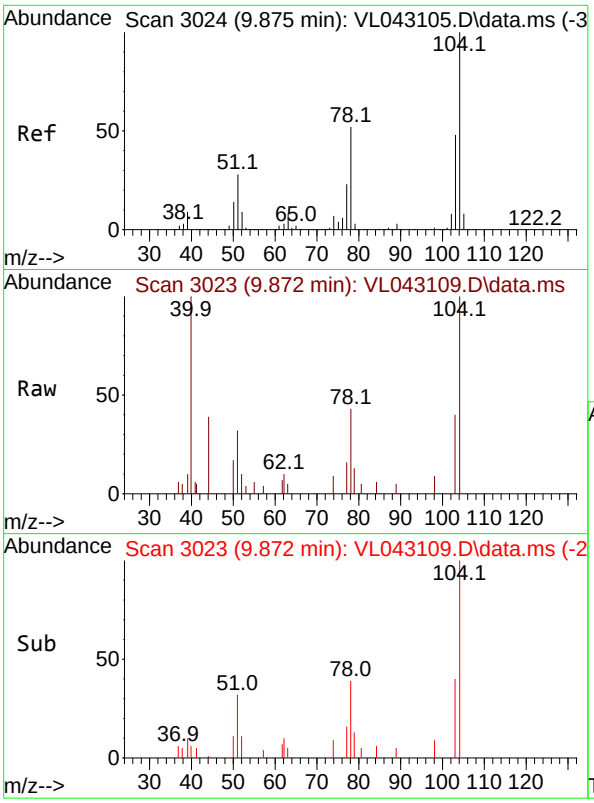


#60
o-Xylene
Concen: 0.085 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 91 Resp: 3450

Ion	Ratio	Lower	Upper
91	100		
106	57.9	21.9	65.8



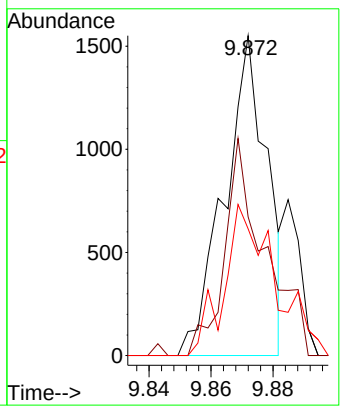


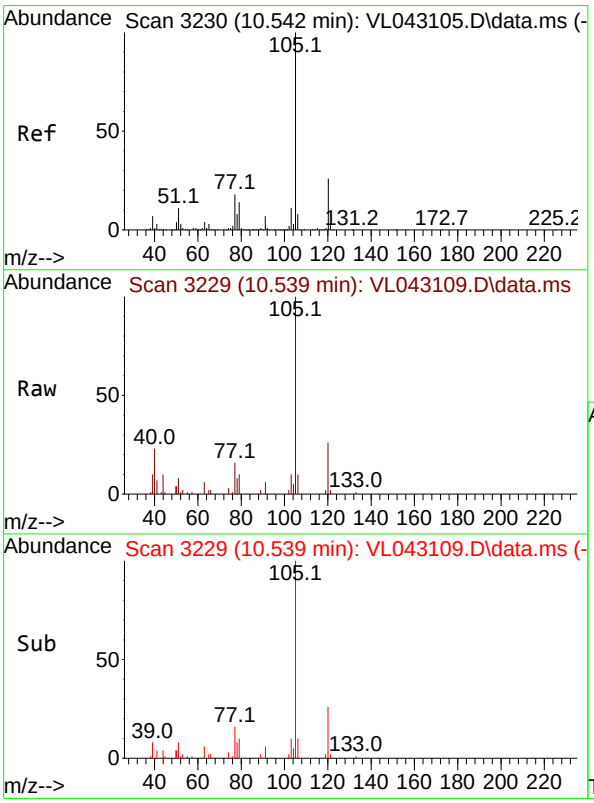
#61
Styrene
Concen: 0.081 ppbv
RT: 9.872 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 1475

Ion	Ratio	Lower	Upper
104	100		
78	64.6	40.2	60.2#
103	56.3	36.9	55.3#

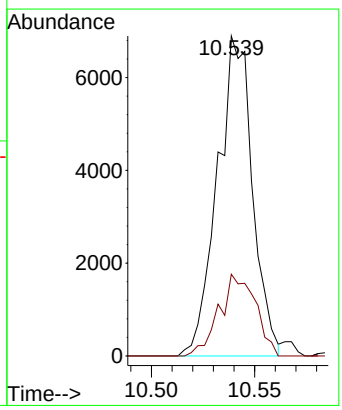


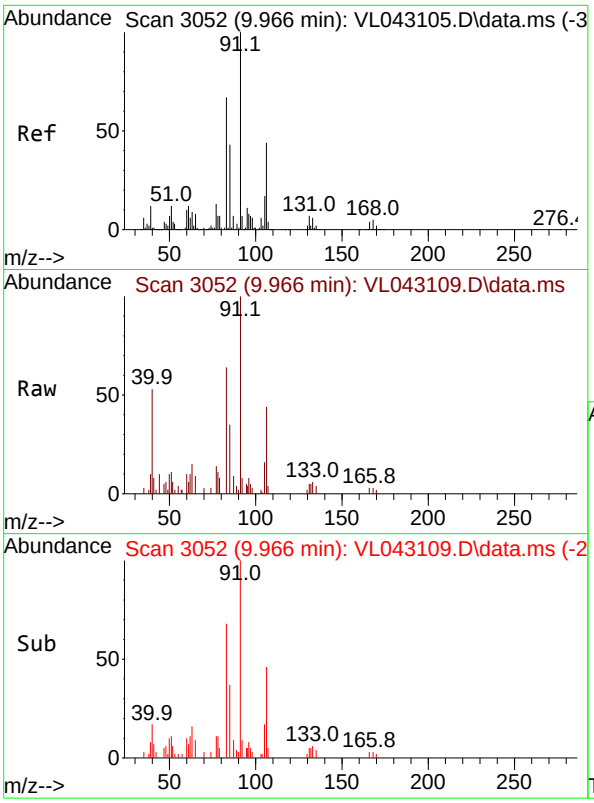


#62
Isopropylbenzene
Concen: 0.111 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:105 Resp: 8132

Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.2	30.4



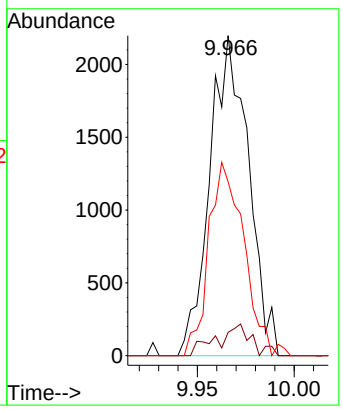


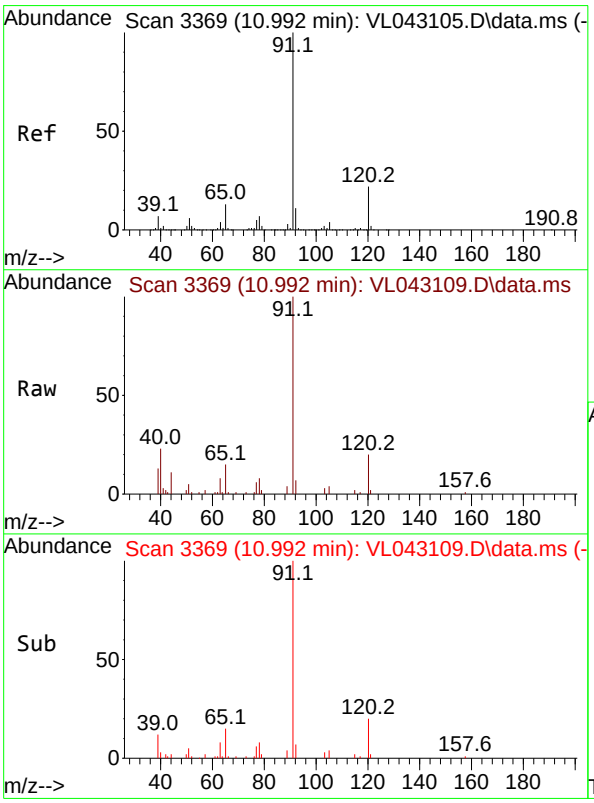
#63
1,1,2,2-Tetrachloroethane
Concen: 0.113 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 3053

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.8	14.3
85	55.2	32.0	96.0

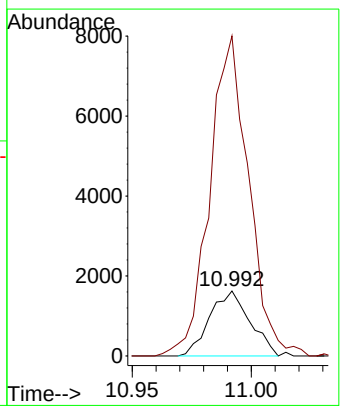


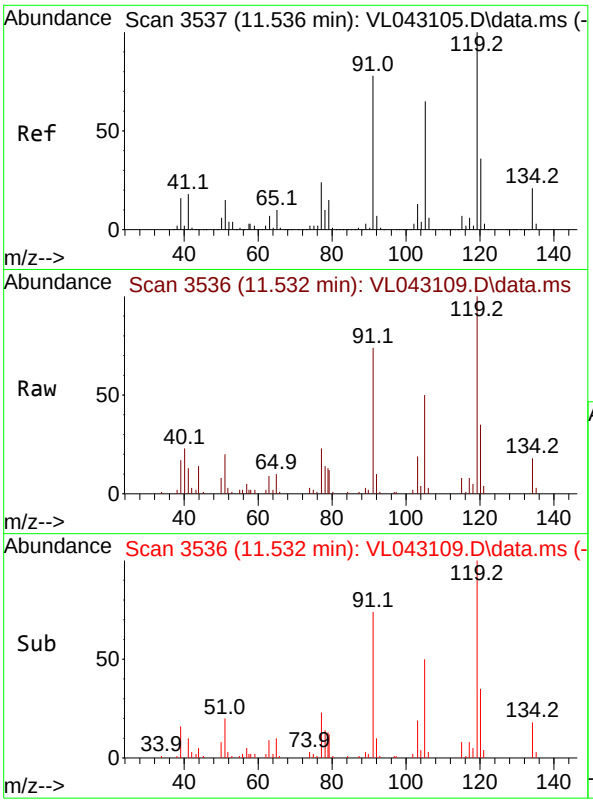


#64
n-propylbenzene
Concen: 0.098 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:120 Resp: 1906

Ion	Ratio	Lower	Upper
120	100		
91	484.6	361.6	542.4



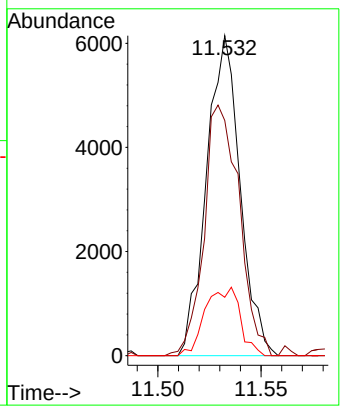


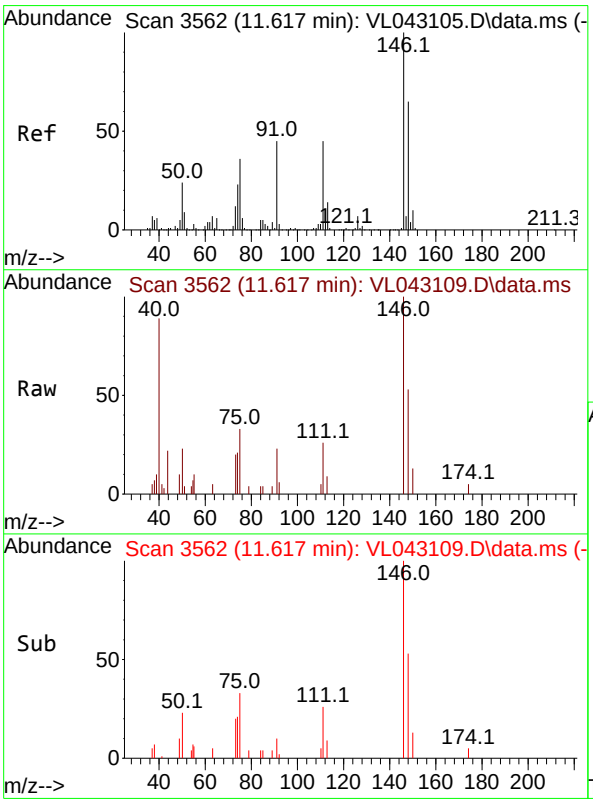
#65
tert-Butylbenzene
Concen: 0.108 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 6951

Ion	Ratio	Lower	Upper
119	100		
91	82.7	63.4	95.0
134	22.2	17.3	25.9

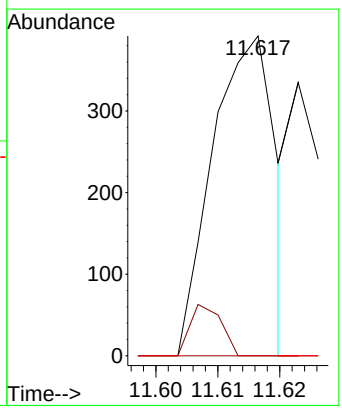


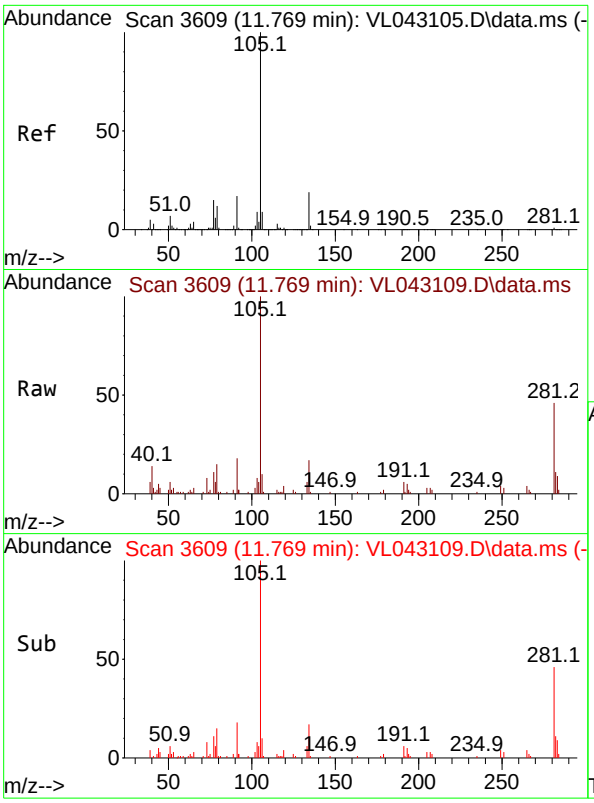


#66
Benzyl Chloride
Concen: 0.038 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 91 Resp: 277

Ion	Ratio	Lower	Upper
91	100		
126	7.9	14.6	22.0#
128	0.0	4.6	6.8#



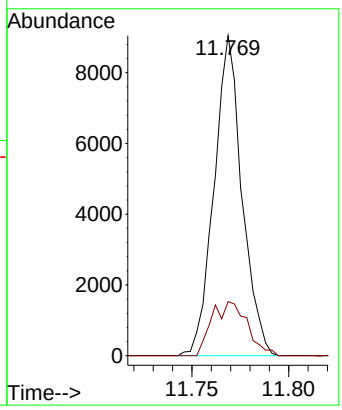


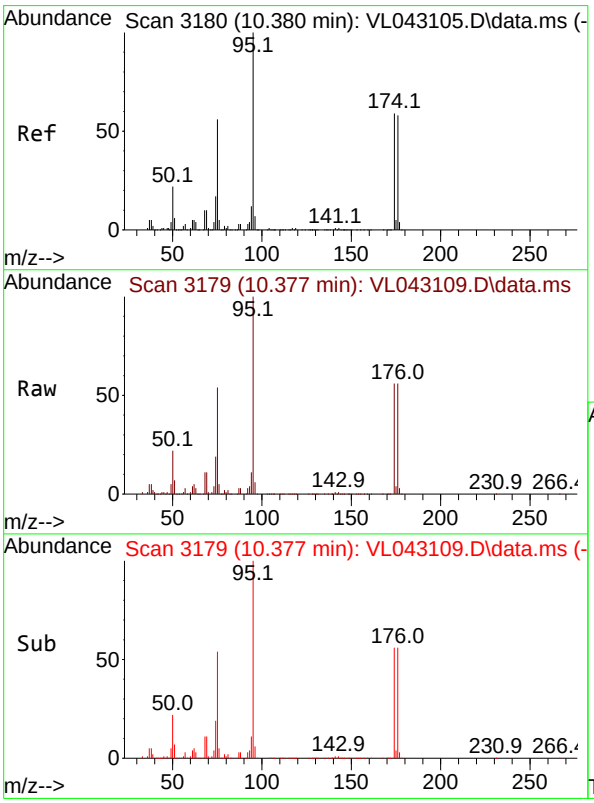
#67
sec-Butylbenzene
Concen: 0.099 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 9081

Ion	Ratio	Lower	Upper
105	100		
134	21.4	15.5	23.3

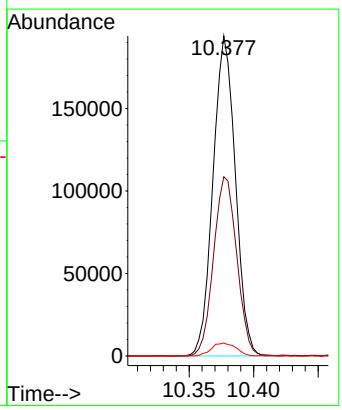


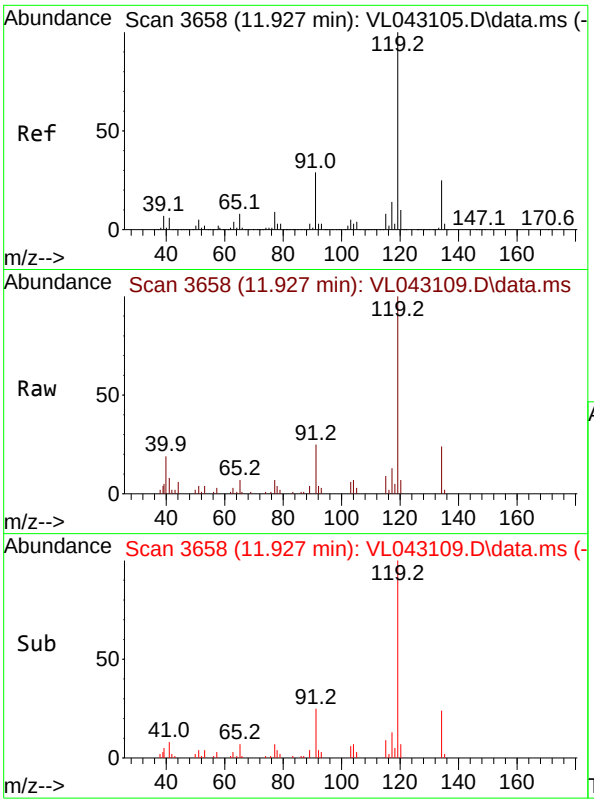


#68
1-Bromo-4-Fluorobenzene
Concen: 10.032 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 95 Resp: 233673

Ion	Ratio	Lower	Upper
95	100		
174	58.0	48.3	72.5
175	4.5	3.8	5.8



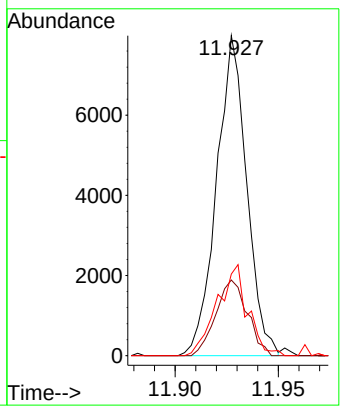


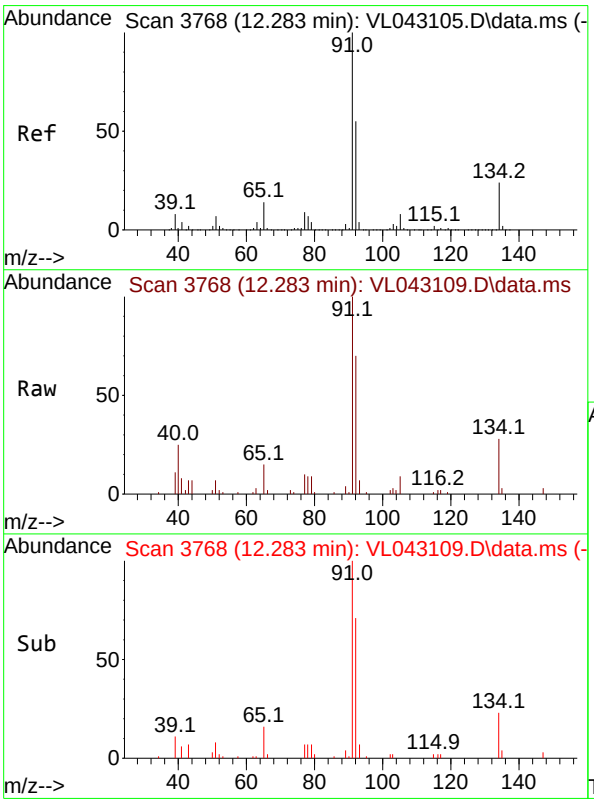
#69
p-Isopropyltoluene
Concen: 0.104 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 8105

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.3	30.5
91	29.5	22.6	33.8

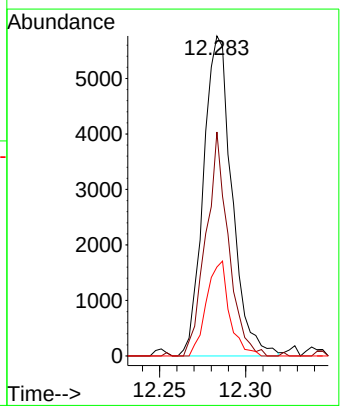


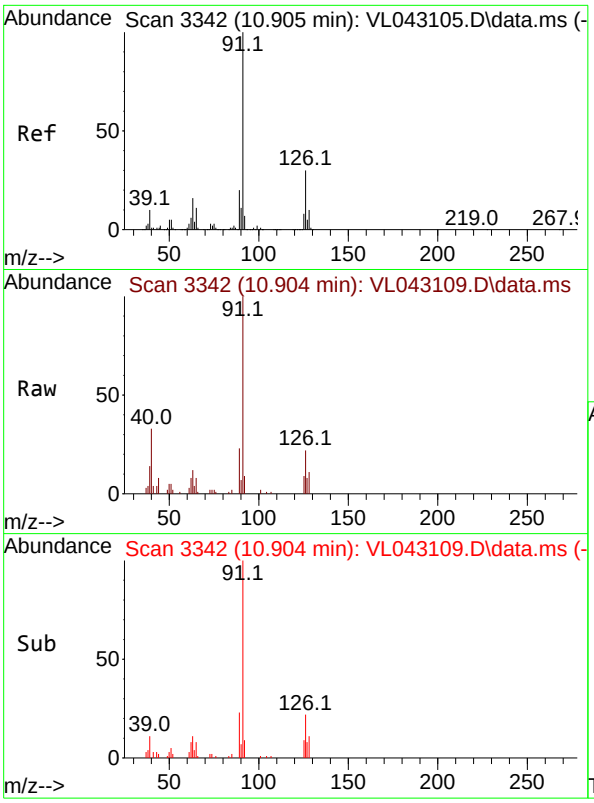


#70
n-Butylbenzene
Concen: 0.086 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 91 Resp: 6640

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.5	66.7
134	23.8	19.3	28.9



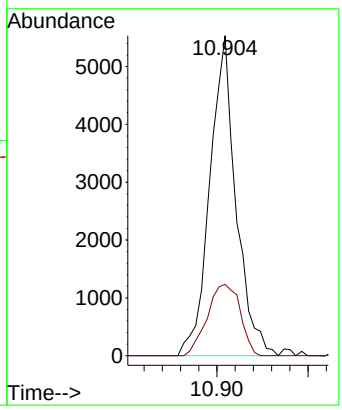


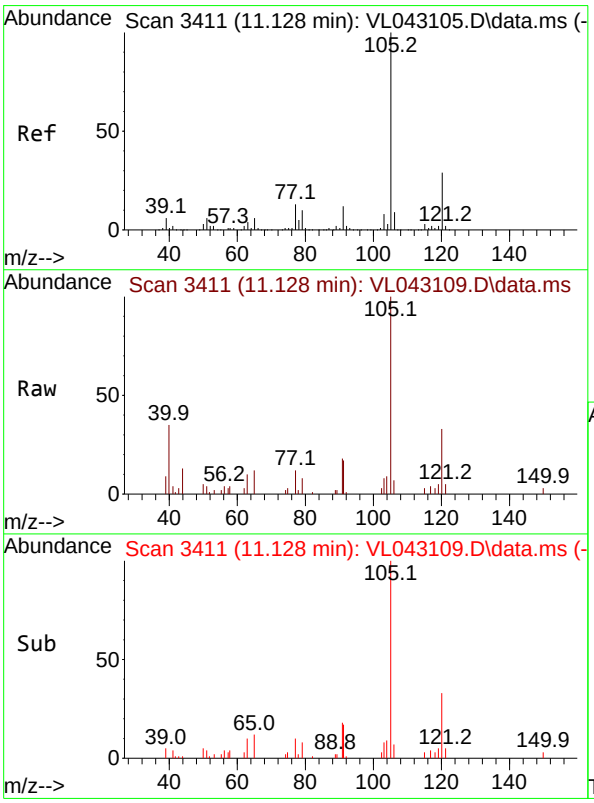
#71
2-Chlorotoluene
Concen: 0.099 ppbv
RT: 10.904 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 5527

Ion	Ratio	Lower	Upper
91	100		
126	27.9	12.0	48.0

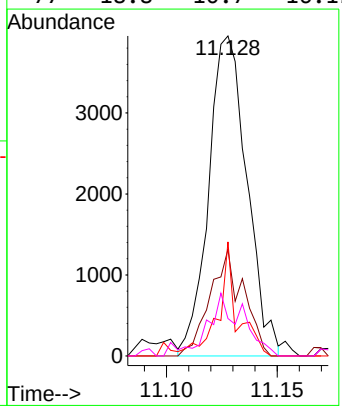


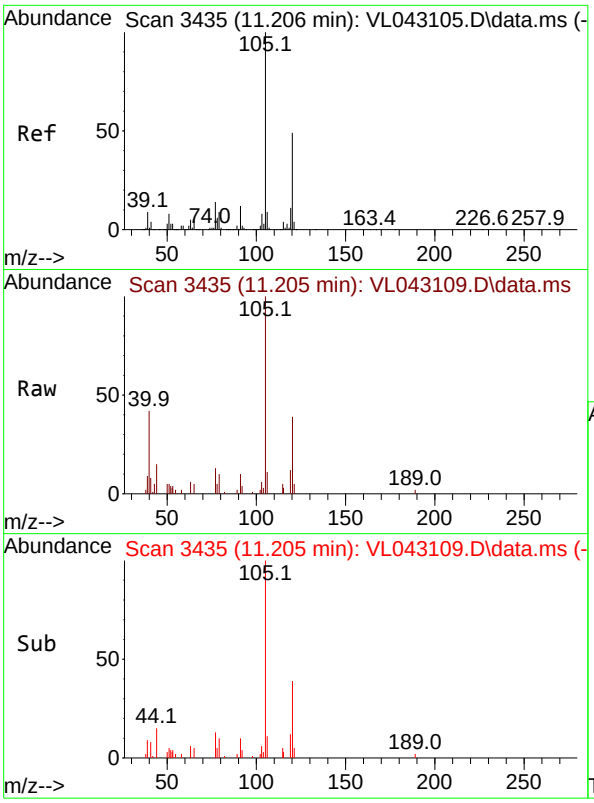


#72
4-Ethyltoluene
Concen: 0.095 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:105 Resp: 4754

Ion	Ratio	Lower	Upper
105	100		
120	29.1	24.2	36.4
91	18.8	10.0	15.0#
77	18.8	10.7	16.1#



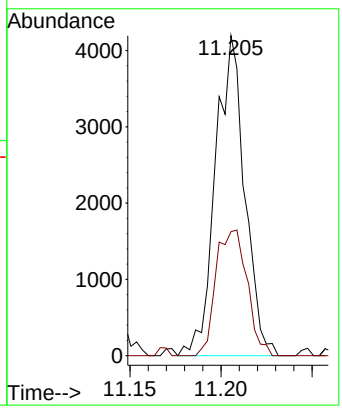


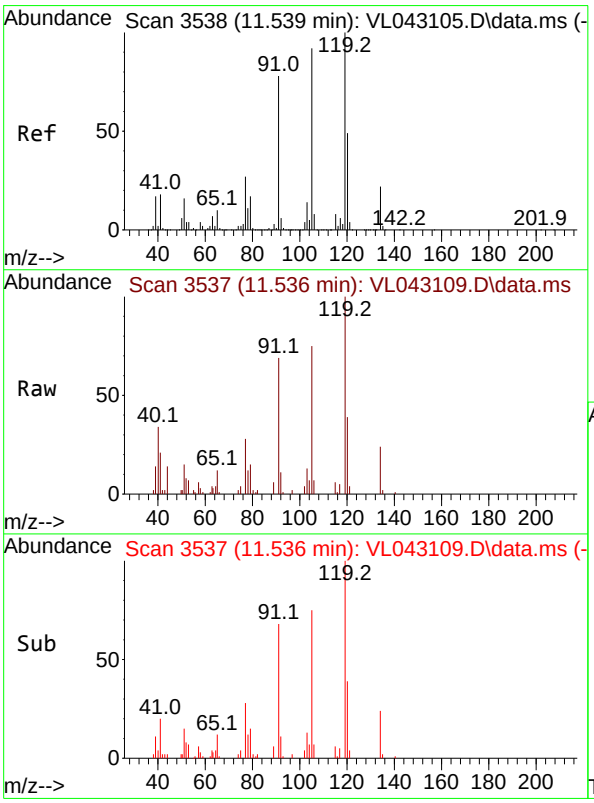
#73
1,3,5-Trimethylbenzene
Concen: 0.114 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 4680

Ion	Ratio	Lower	Upper
105	100		
120	38.7	39.0	58.6#

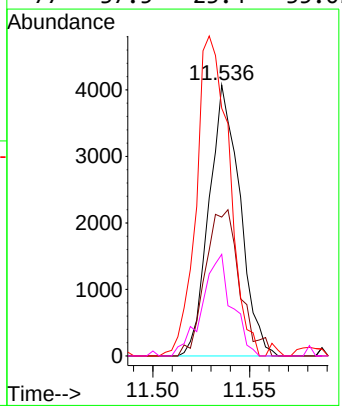


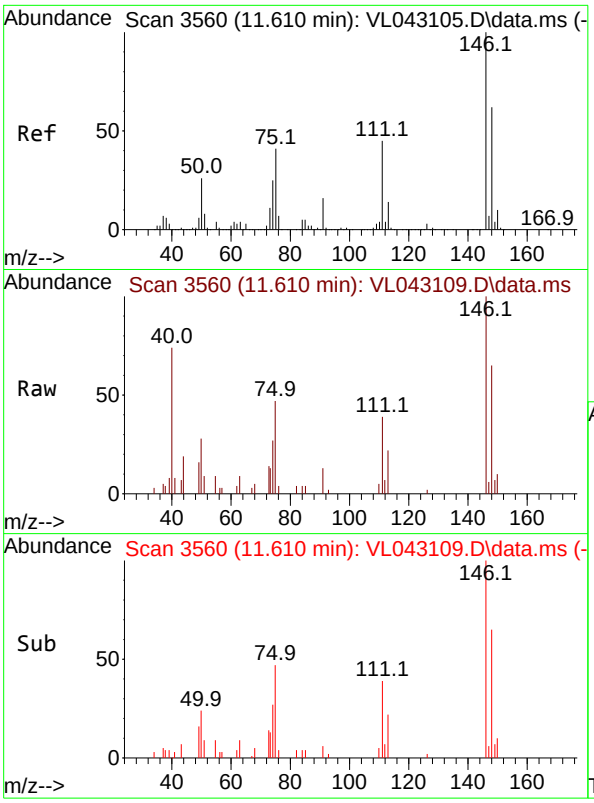


#74
1,2,4-Trimethylbenzene
Concen: 0.098 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:105 Resp: 4519

Ion	Ratio	Lower	Upper
105	100		
120	51.3	42.8	64.2
91	89.4	68.3	102.5
77	37.5	23.4	35.0#



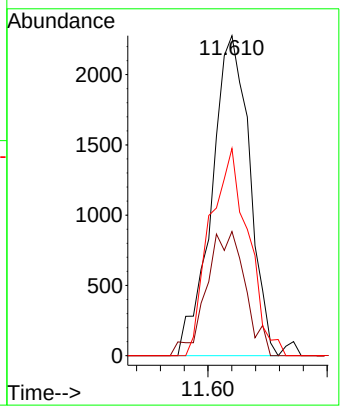


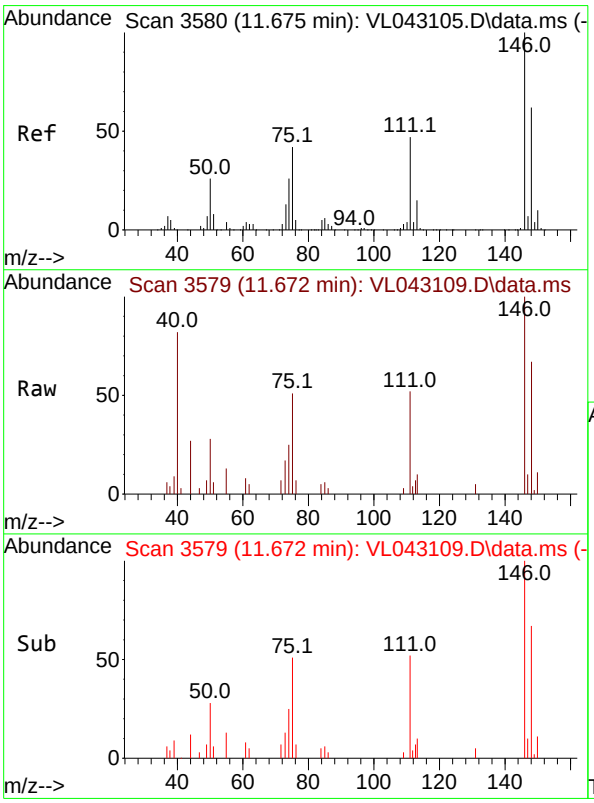
#75
1,3-Dichlorobenzene
Concen: 0.094 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 2518

Ion	Ratio	Lower	Upper
146	100		
111	39.9	23.3	69.9
148	66.0	31.6	95.0

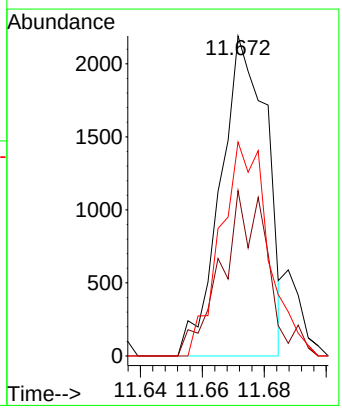


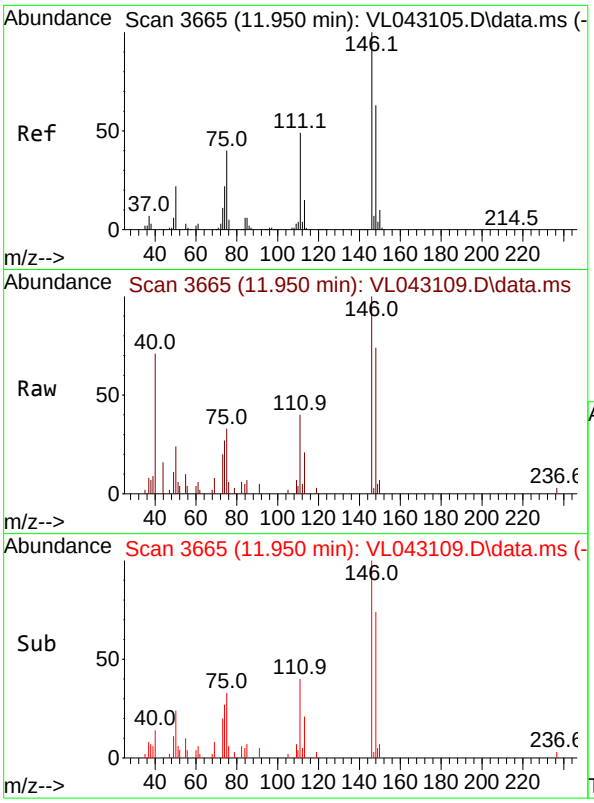


#76
1,4-Dichlorobenzene
Concen: 0.084 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:146 Resp: 2266

Ion	Ratio	Lower	Upper
146	100		
111	52.0	22.4	67.0
148	69.5	31.6	94.7



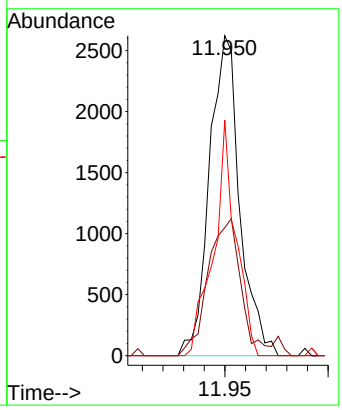


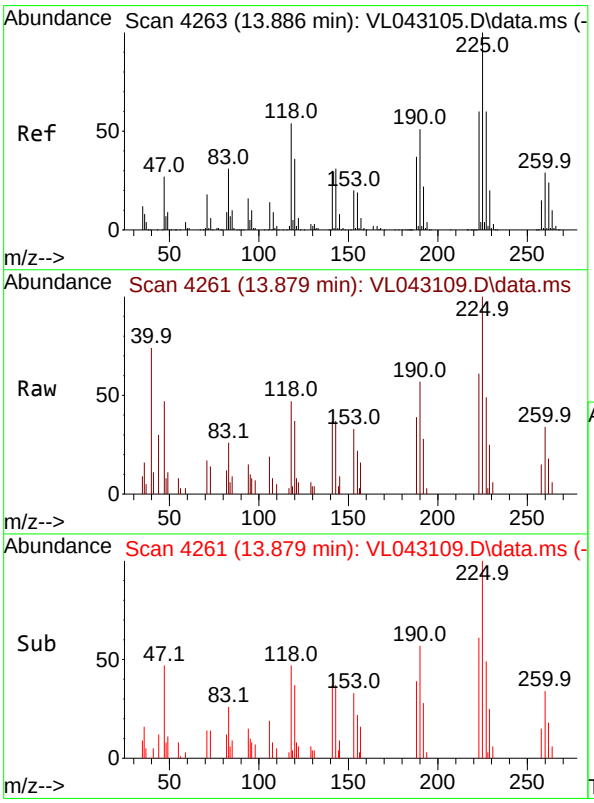
#77
1,2-Dichlorobenzene
Concen: 0.104 ppbv
RT: 11.950 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 2676

Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.0	72.0
148	53.9	31.1	93.3

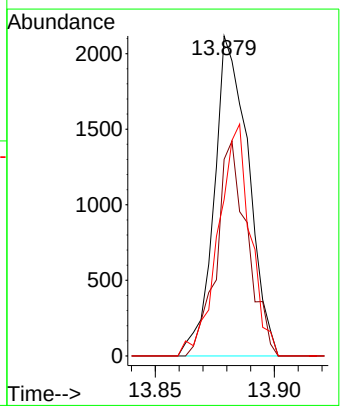


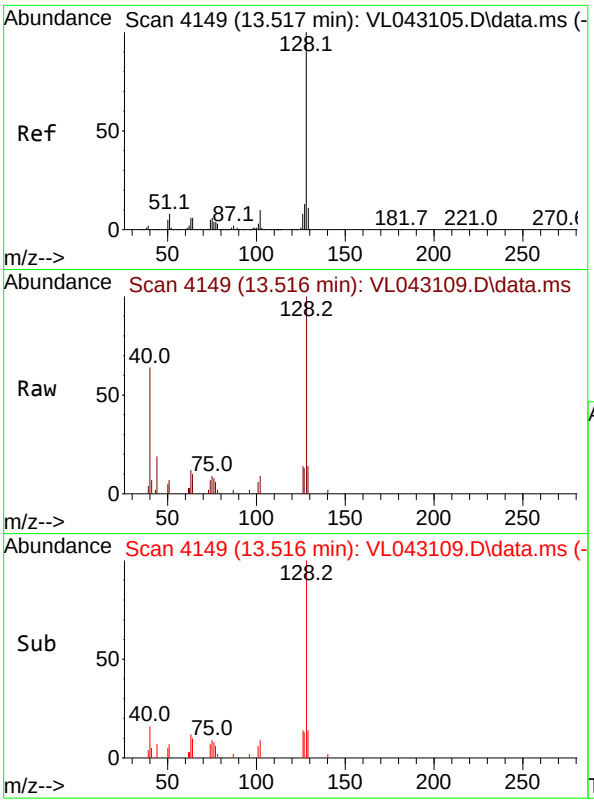


#78
Hexachloro-1,3-Butadiene
Concen: 0.105 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:225 Resp: 2107

Ion	Ratio	Lower	Upper
225	100		
223	60.6	50.2	75.4
227	68.2	49.6	74.4



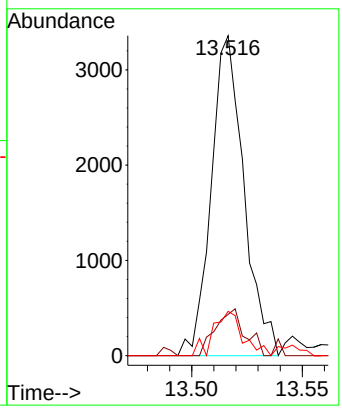


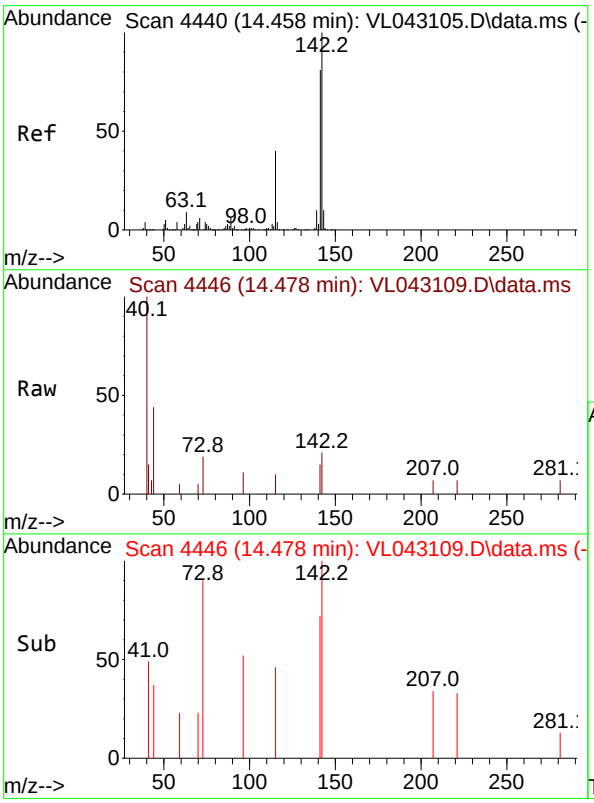
#79
Naphthalene
Concen: 0.073 ppbv
RT: 13.516 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:128 Resp: 3453

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	13.8	9.1	13.7#

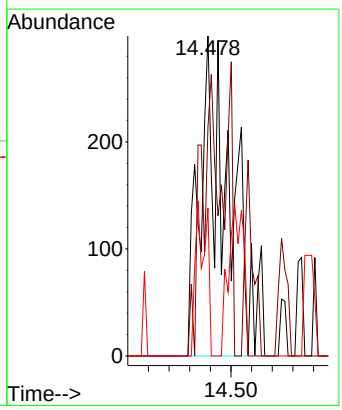


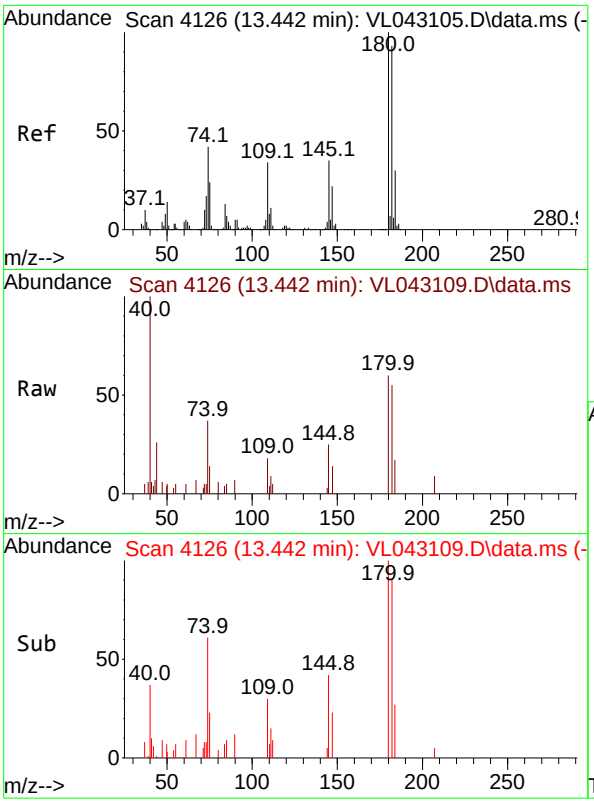


#80
Naphthalene,2-methyl-
Concen: 0.046 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.019 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:142 Resp: 582

Ion	Ratio	Lower	Upper
142	100		
141	0.0	64.6	97.0#
115	18.2	30.2	45.4#



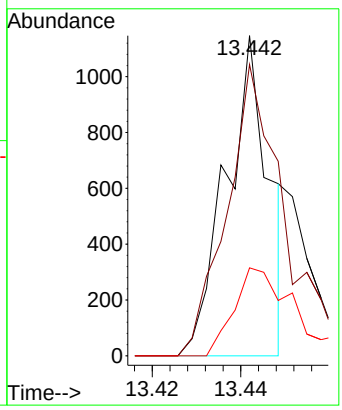


#81
1,2,4-Trichlorobenzene
Concen: 0.039 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:180 Resp: 774

Ion	Ratio	Lower	Upper
180	100		
182	119.1	75.5	113.3#
184	37.6	23.9	35.9#



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Oct 15 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	100058	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	328897	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.882	117	292884	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	224043	9.841	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	546	0.038	ppbv		100
3) Chlorodifluoromethane	1.480	51	572	0.037	ppbv	#	35
4) Chloromethane	1.535	50	354	0.063	ppbv	#	53
5) Vinyl Chloride	1.583	62	217	0.039	ppbv	#	78
6) Bromomethane	1.670	94	110	0.036	ppbv	#	56
7) Chloroethane	1.706	64	136	0.060	ppbv	#	42
8) Dichlorotetrafluoroethane	1.557	85	358	0.031	ppbv	#	75
9) Propene	1.486	41	524	0.077	ppbv	#	1
10) Heptane	4.988	43	203	0.010	ppbv	#	27
11) Trichlorofluoromethane	2.137	101	209	0.015	ppbv		85
12) 1,1,2-Trichlorotrifluo...	2.143	101	220	0.020	ppbv	#	13
13) Ethanol	1.793	45	201	0.080	ppbv	#	1
14) Bromoethene	1.781	108	202	0.049	ppbv	#	22
15) Acetone	1.839	43	1339	0.099	ppbv	#	56
16) 1,3-Butadiene	1.612	39	710	0.110	ppbv		88
17) tert-Butyl alcohol	2.049	59	599	0.032	ppbv	#	1
18) 1,1-Dichloroethene	2.036	96	232	0.048	ppbv		88
19) Isopropyl Alcohol	1.891	45	263	0.031	ppbv		95
20) Methylene Chloride	2.062	84	1624	0.305	ppbv	#	83
21) Allyl Chloride	2.094	41	645	0.065	ppbv	#	1
22) trans-1,2-Dichloroethene	2.344	96	240	0.041	ppbv		87
23) Vinyl Acetate	2.470	43	699	0.035	ppbv	#	44
24) 1,1-Dichloroethane	2.412	63	383	0.034	ppbv	#	87
25) Ethyl Acetate	2.845	43	998	0.030	ppbv	#	85
26) Hexane	2.823	57	740	0.048	ppbv	#	81
27) Carbon Disulfide	2.149	76	215	0.015	ppbv	#	1
28) Methyl tert-Butyl Ether	2.444	73	309	0.044	ppbv	#	1
29) Chloroform	2.849	83	839	0.038	ppbv	#	67
30) Cyclohexane	3.865	84	276	0.021	ppbv	#	1
31) cis-1,2-Dichloroethene	2.719	61	467	0.032	ppbv	#	73
32) 1,1,1-Trichloroethane	3.376	97	336	0.014	ppbv	#	1
34) 2-Butanone	2.564	43	909	0.041	ppbv	#	89
35) Carbon Tetrachloride	3.768	117	216	0.009	ppbv	#	73
36) Benzene	3.658	78	246	0.008	ppbv	#	1
37) 1,2-Dichloroethane	3.221	62	772	0.043	ppbv	#	87
38) Trichloroethene	4.551	130	216	0.017	ppbv	#	77
39) 1,2-Dichloropropane	3.959	63	79938	7.052	ppbv	#	25
40) 1,4-Dioxane	4.609	88	33	0.007	ppbv	#	1
41) Tetrahydrofuran	3.049	42	87	0.007	ppbv	#	37
42) Bromodichloromethane	4.496	83	250	0.010	ppbv	#	26
43) Methyl Methacrylate	4.875	69	36	0.002	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.638	57	669	0.013	ppbv	#	1
45) t-1,3-Dichloropropene	6.415	75	165	0.010	ppbv	#	87

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Oct 15 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

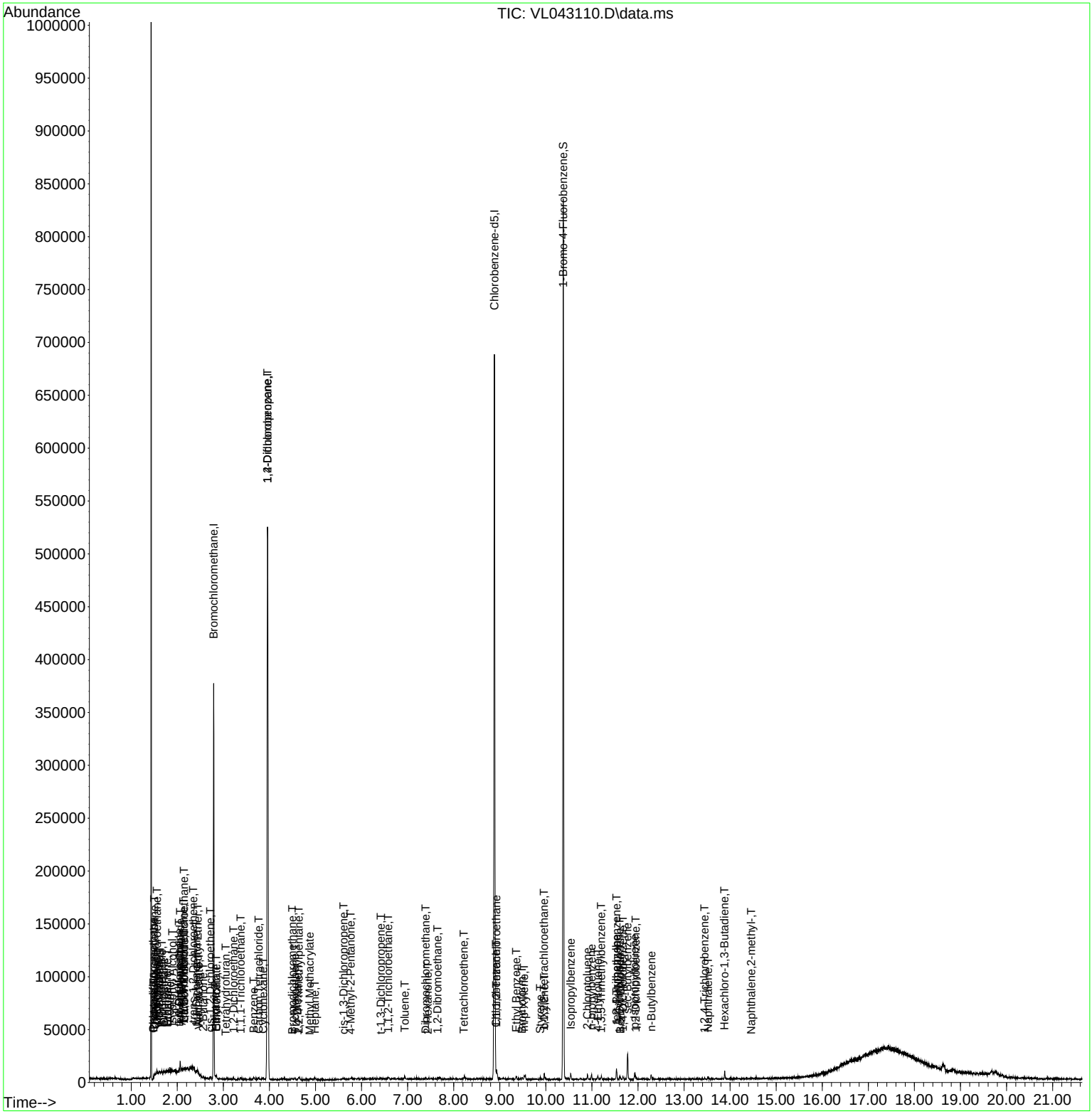
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	261	0.014	ppbv	#	80
47) 1,1,2-Trichloroethane	6.577	97	98	0.008	ppbv	#	42
48) Dibromochloromethane	7.390	129	186	0.009	ppbv	#	1
49) Bromoform	9.480	173	323	0.019	ppbv	#	56
50) 4-Methyl-2-Pentanone	5.762	43	271	0.009	ppbv	#	38
51) 2-Hexanone	7.438	43	98	0.004	ppbv	#	27
52) Tetrachloroethene	8.218	164	120	0.011	ppbv	#	67
53) Toluene	6.936	91	632	0.017	ppbv	#	20
54) 1,2-Dibromoethane	7.649	107	308	0.016	ppbv		86
56) 1,1,1,2-Tetrachloroethane	8.927	131	441	0.024	ppbv	#	14
57) Chlorobenzene	8.921	112	764	0.028	ppbv	#	63
58) Ethyl Benzene	9.357	91	1218	0.024	ppbv	#	83
59) m/p-Xylene	9.529	91	759	0.019	ppbv	#	29
60) o-Xylene	9.966	91	693	0.018	ppbv	#	32
61) Styrene	9.875	104	538	0.030	ppbv	#	88
62) Isopropylbenzene	10.539	105	1735	0.024	ppbv		90
63) 1,1,2,2-Tetrachloroethane	9.960	83	369	0.014	ppbv	#	1
64) n-propylbenzene	10.995	120	616	0.033	ppbv		92
65) tert-Butylbenzene	11.533	119	2219	0.035	ppbv		95
66) Benzyl Chloride	11.620	91	98	0.014	ppbv	#	65
67) sec-Butylbenzene	11.769	105	3170	0.035	ppbv		96
69) p-Isopropyltoluene	11.927	119	2370	0.031	ppbv	#	90
70) n-Butylbenzene	12.290	91	1534	0.020	ppbv	#	92
71) 2-Chlorotoluene	10.901	91	1757	0.032	ppbv		100
72) 4-Ethyltoluene	11.128	105	1502	0.031	ppbv	#	90
73) 1,3,5-Trimethylbenzene	11.202	105	1005	0.025	ppbv	#	83
74) 1,2,4-Trimethylbenzene	11.533	105	806	0.018	ppbv		89
75) 1,3-Dichlorobenzene	11.600	146	251	0.010	ppbv	#	1
76) 1,4-Dichlorobenzene	11.672	146	504	0.019	ppbv	#	24
77) 1,2-Dichlorobenzene	11.950	146	709	0.028	ppbv		79
78) Hexachloro-1,3-Butadiene	13.876	225	239	0.012	ppbv	#	19
79) Naphthalene	13.520	128	851	0.018	ppbv	#	94
80) Naphthalene,2-methyl-	14.458	142	15	0.001	ppbv	#	1
81) 1,2,4-Trichlorobenzene	13.445	180	219	0.011	ppbv	#	79

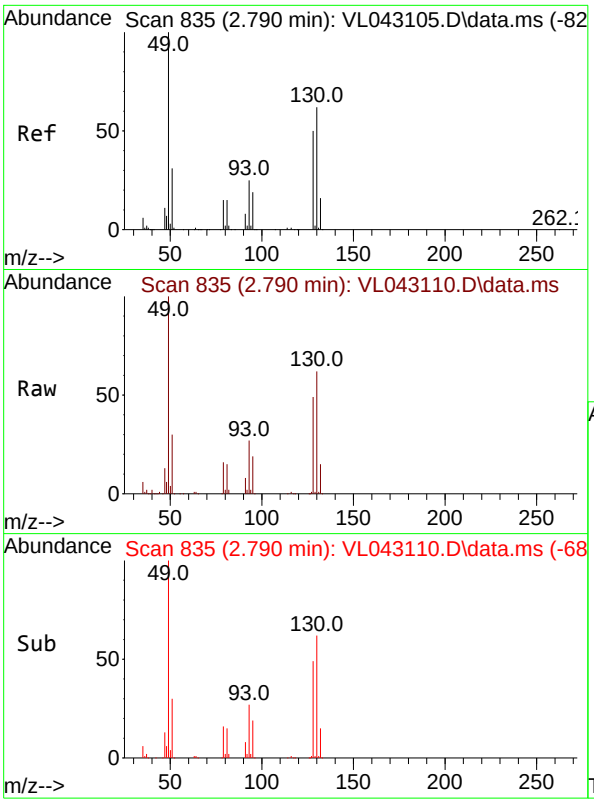
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Oct 15 01:55:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration



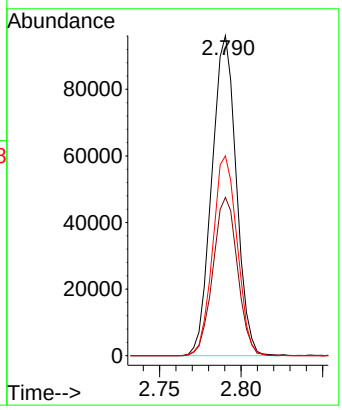


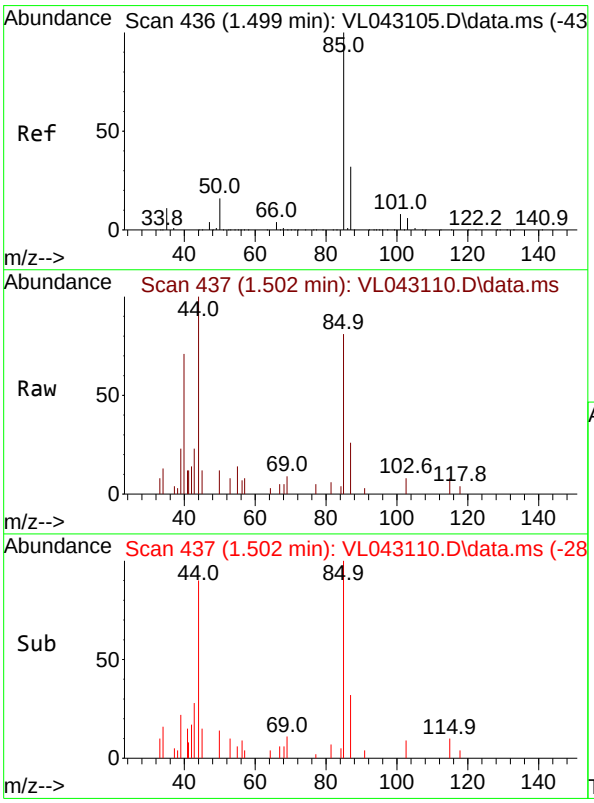
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 100058

Ion	Ratio	Lower	Upper
49	100		
128	49.9	24.4	73.4
130	62.5	31.0	93.0

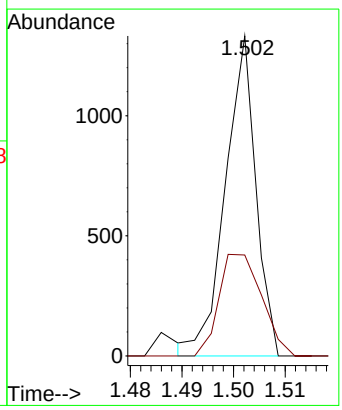


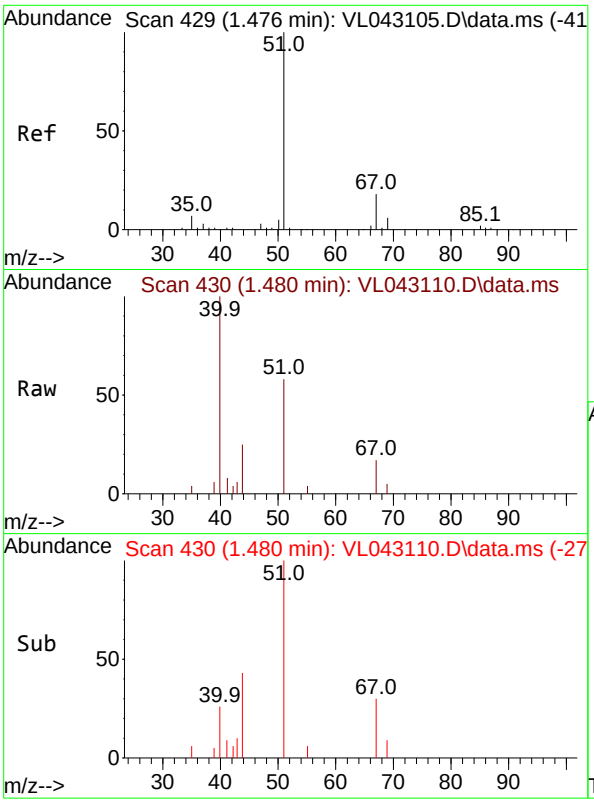


#2
Dichlorodifluoromethane
Concen: 0.038 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 85 Resp: 546

Ion	Ratio	Lower	Upper
85	100		
87	31.5	25.3	37.9



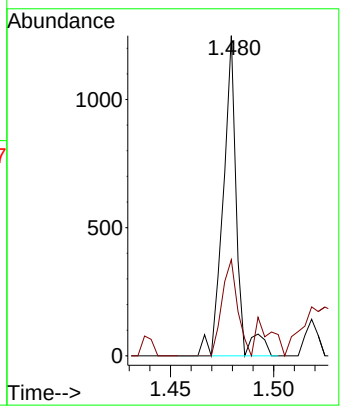


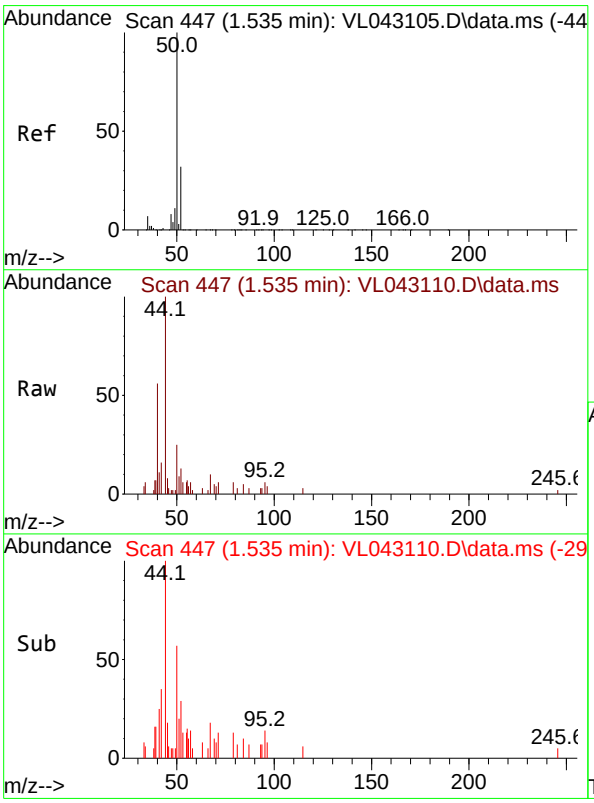
#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 572

Ion	Ratio	Lower	Upper
51	100		
67	48.1	15.1	22.7#

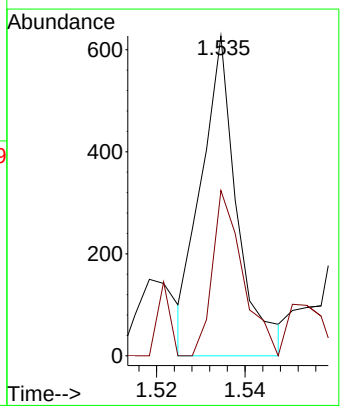


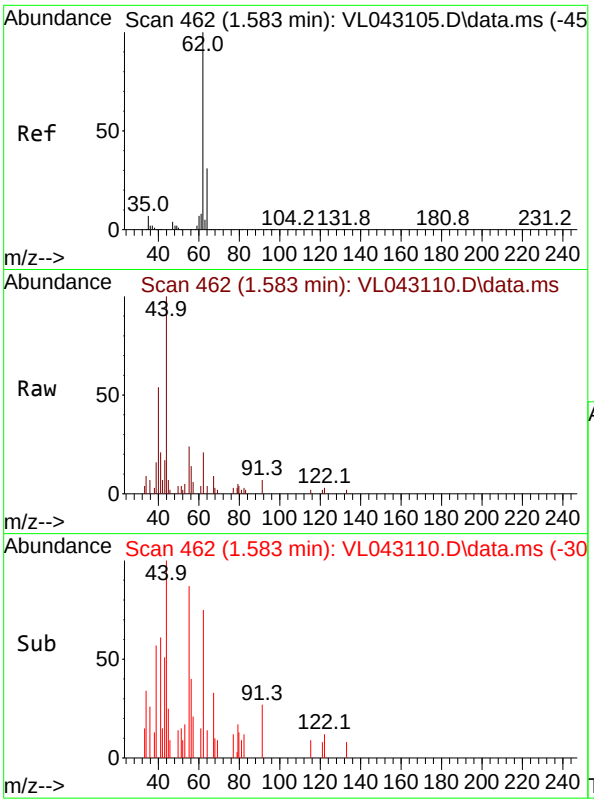


#4
Chloromethane
Concen: 0.063 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 50 Resp: 354

Ion	Ratio	Lower	Upper
50	100		
52	57.3	25.2	37.8#



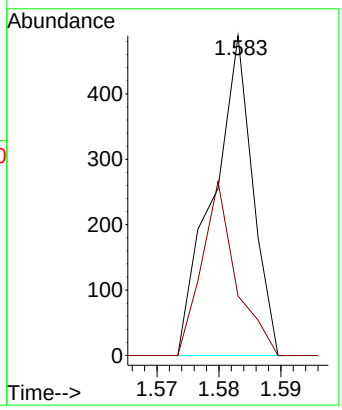


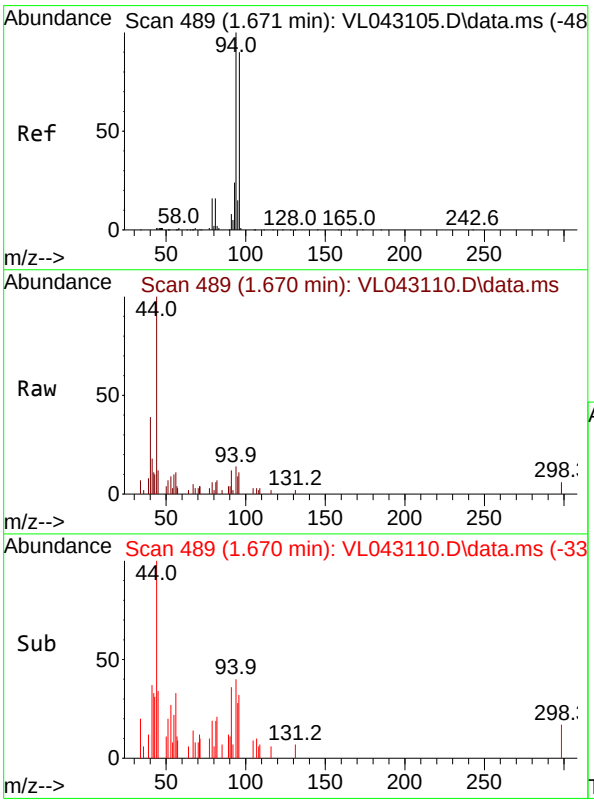
#5
Vinyl Chloride
Concen: 0.039 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 217

Ion	Ratio	Lower	Upper
62	100		
64	18.6	24.6	36.8#

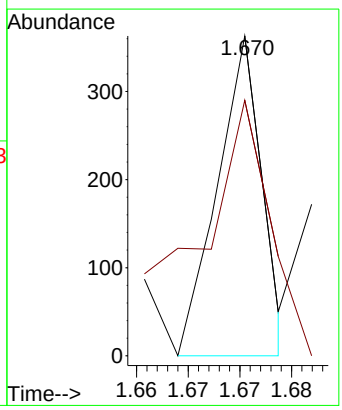


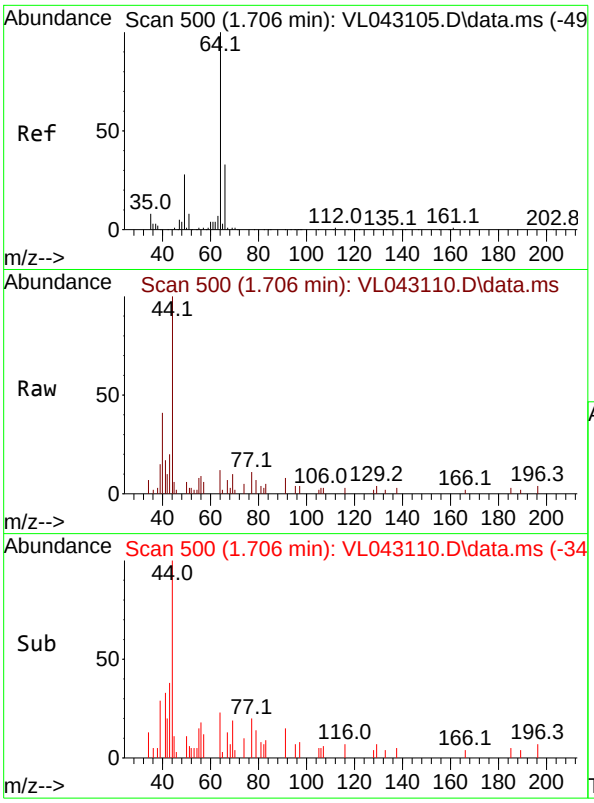


#6
Bromomethane
Concen: 0.036 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 94 Resp: 110

Ion	Ratio	Lower	Upper
94	100		
96	48.8	72.2	108.4#



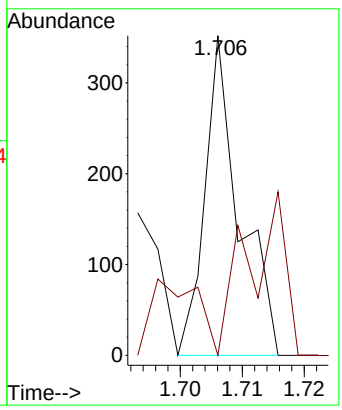


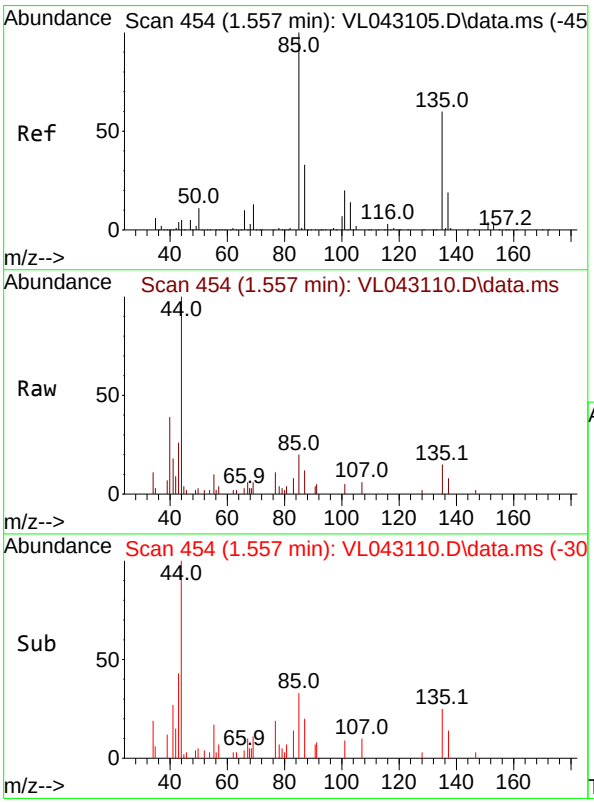
#7
Chloroethane
Concen: 0.060 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 64 Resp: 136

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.0	39.0#

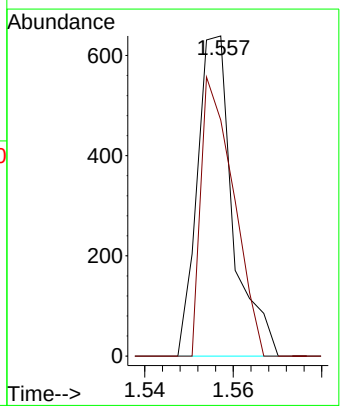


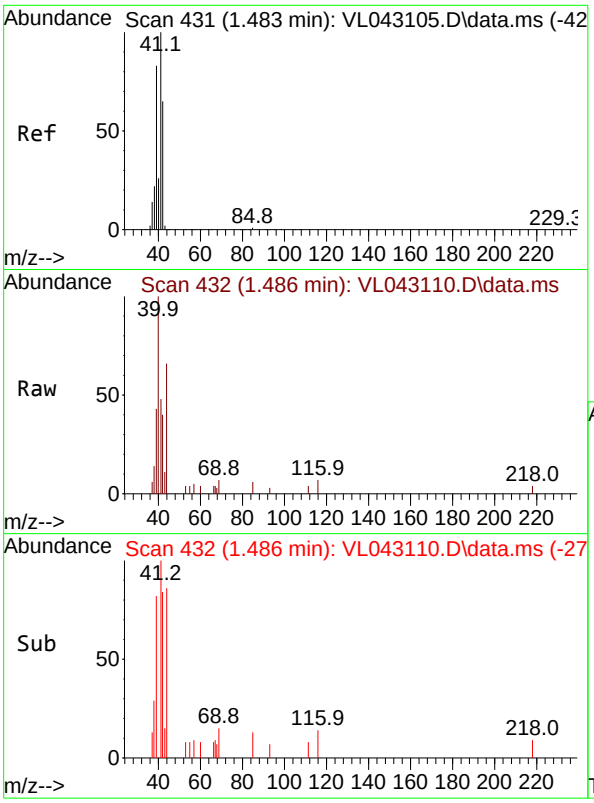


#8
Dichlorotetrafluoroethane
Concen: 0.031 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 85 Resp: 358

Ion	Ratio	Lower	Upper
85	100		
135	79.6	48.2	72.4#



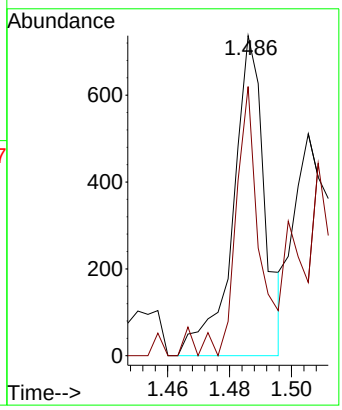


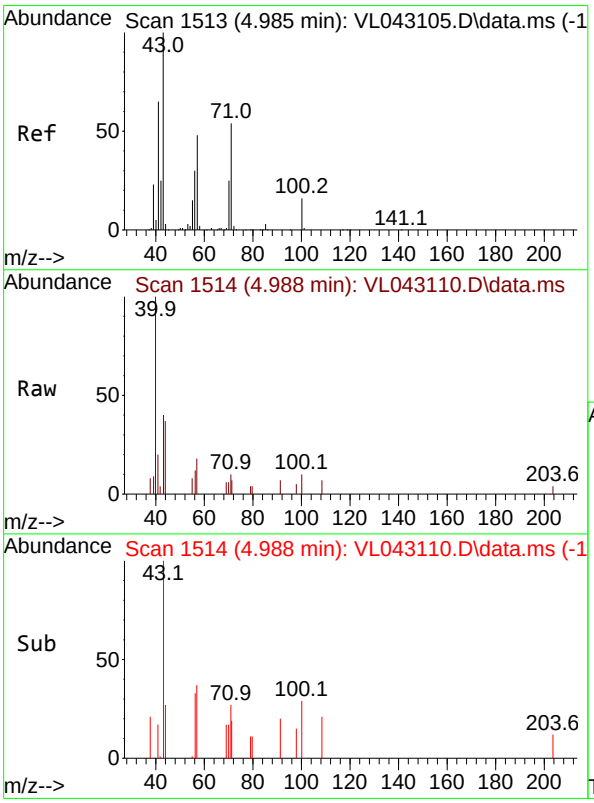
#9
Propene
Concen: 0.077 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 524

Ion	Ratio	Lower	Upper
41	100		
42	154.8	55.1	82.7#

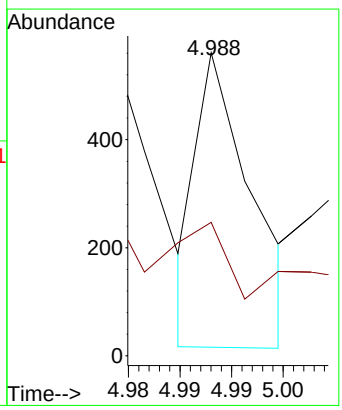


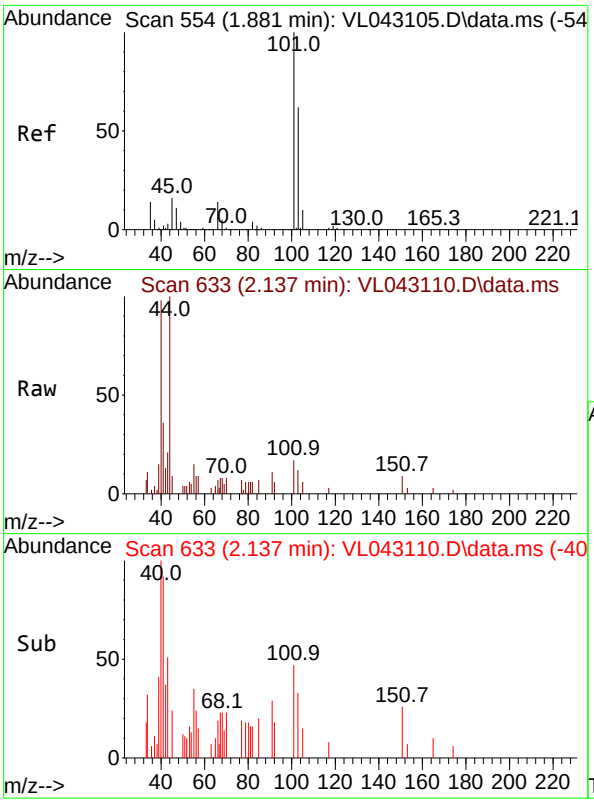


#10
Heptane
Concen: 0.010 ppbv
RT: 4.988 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 43 Resp: 203

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.8	61.2#



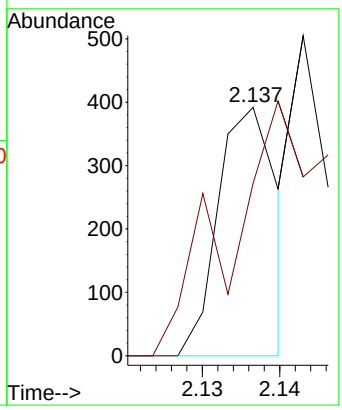


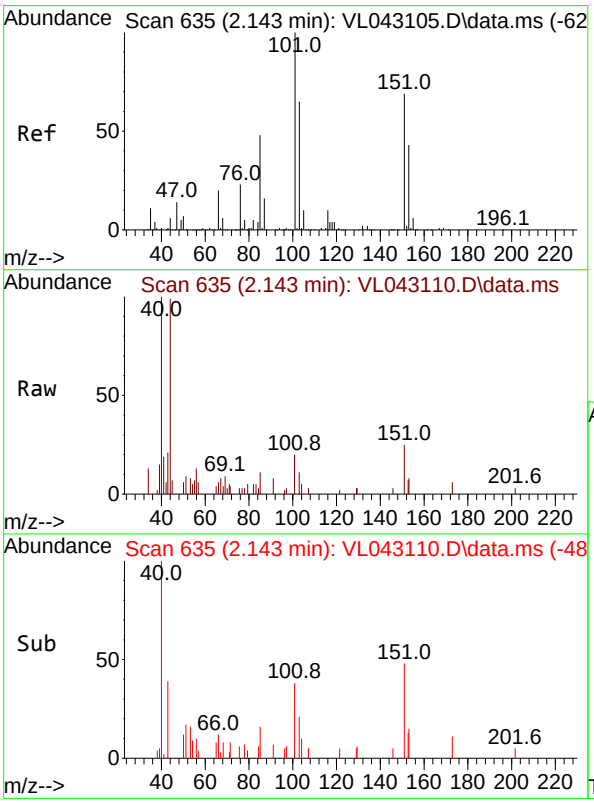
#11
Trichlorofluoromethane
Concen: 0.015 ppbv
RT: 2.137 min Scan# 6
Delta R.T. 0.256 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 209

Ion	Ratio	Lower	Upper
101	100		
103	49.7	49.3	73.9

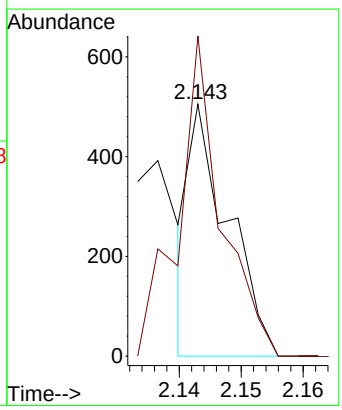


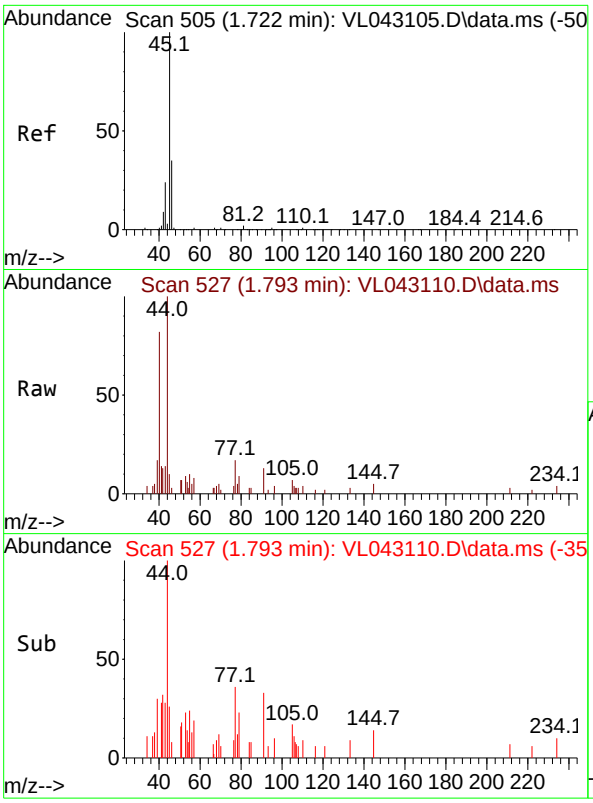


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.020 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:101 Resp: 220

Ion	Ratio	Lower	Upper
101	100		
151	139.1	54.7	82.1#



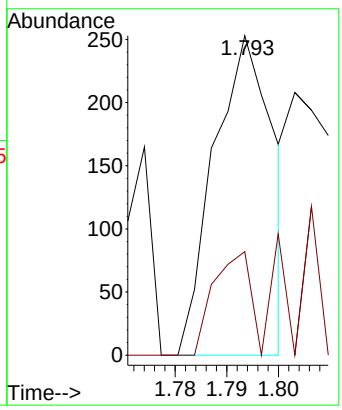


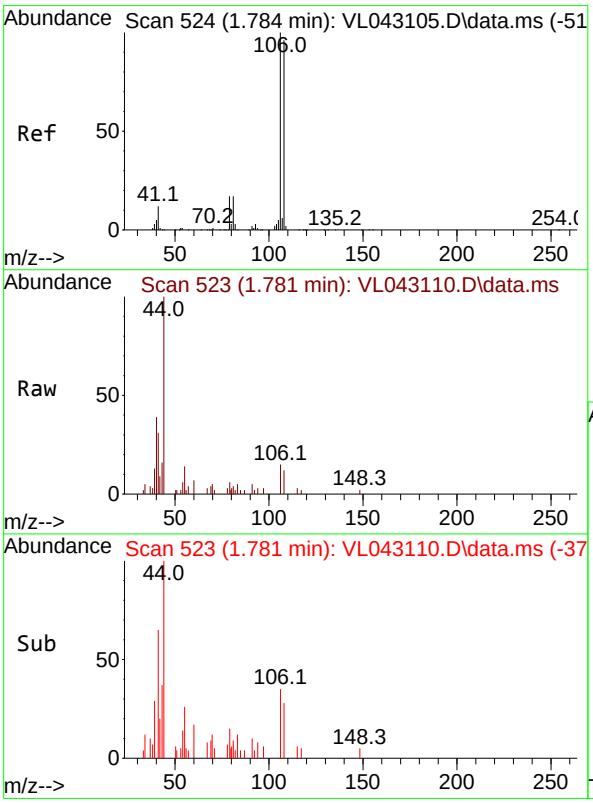
#13
Ethanol
Concen: 0.080 ppbv
RT: 1.793 min Scan# 5
Delta R.T. 0.071 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 201

Ion	Ratio	Lower	Upper
45	100		
46	146.3	14.7	58.9#

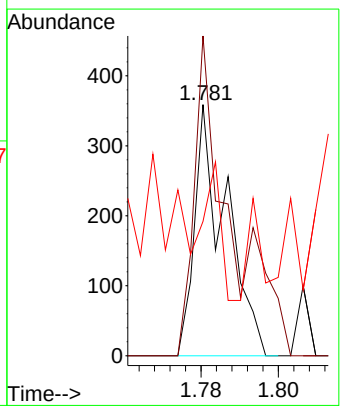


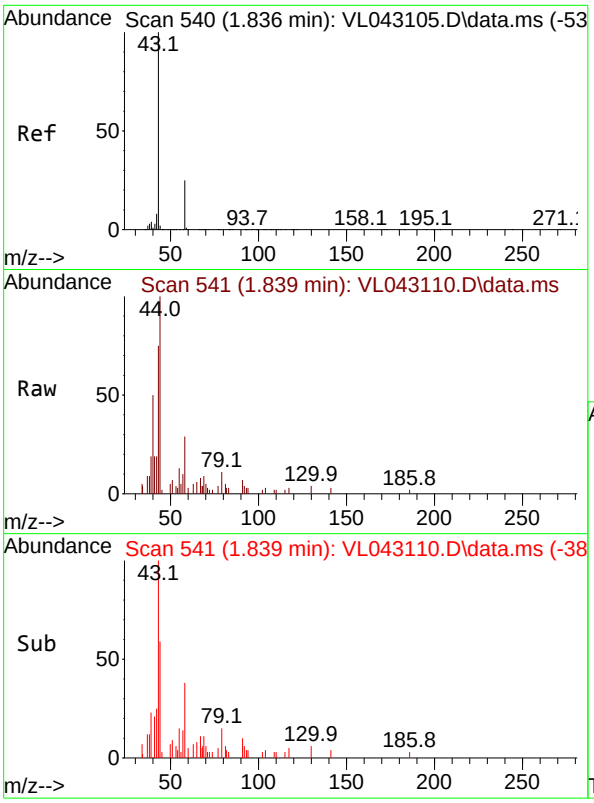


#14
Bromoethene
Concen: 0.049 ppbv
RT: 1.781 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:108 Resp: 202

Ion	Ratio	Lower	Upper
108	100		
106	144.6	84.4	126.6#
79	154.0	15.3	22.9#



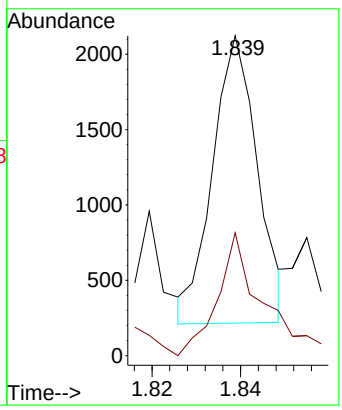


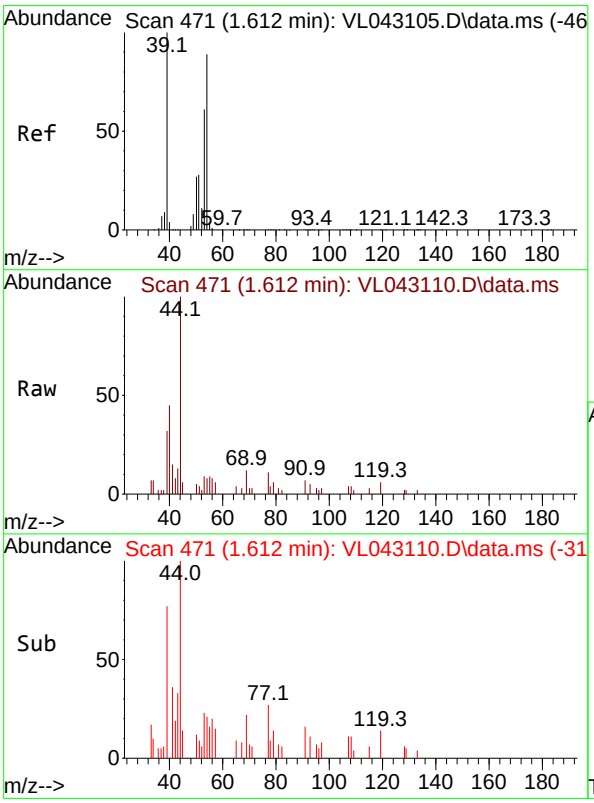
#15
Acetone
Concen: 0.099 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 1339

Ion	Ratio	Lower	Upper
43	100		
58	48.2	20.8	31.2#

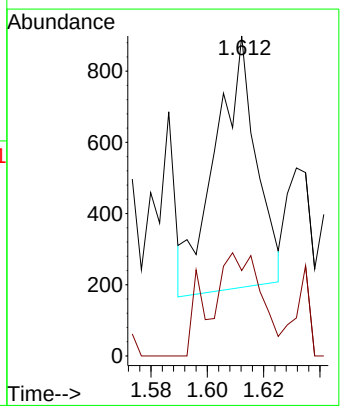


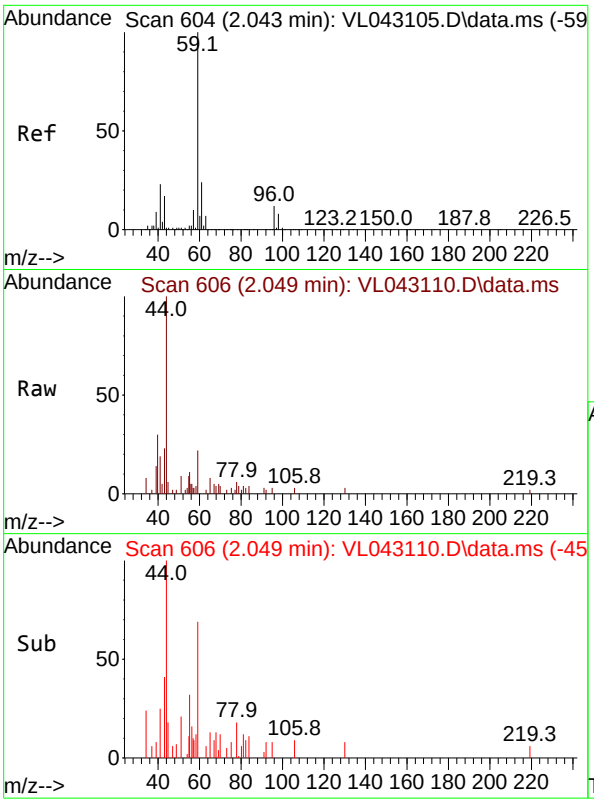


#16
1,3-Butadiene
Concen: 0.110 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 39 Resp: 710

Ion	Ratio	Lower	Upper
39	100		
54	63.4	59.0	88.4



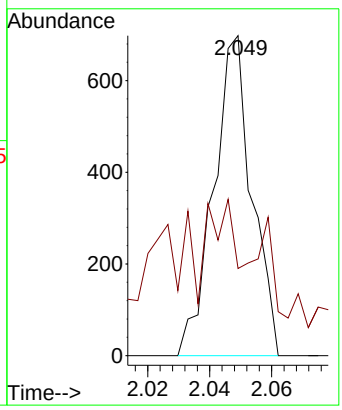


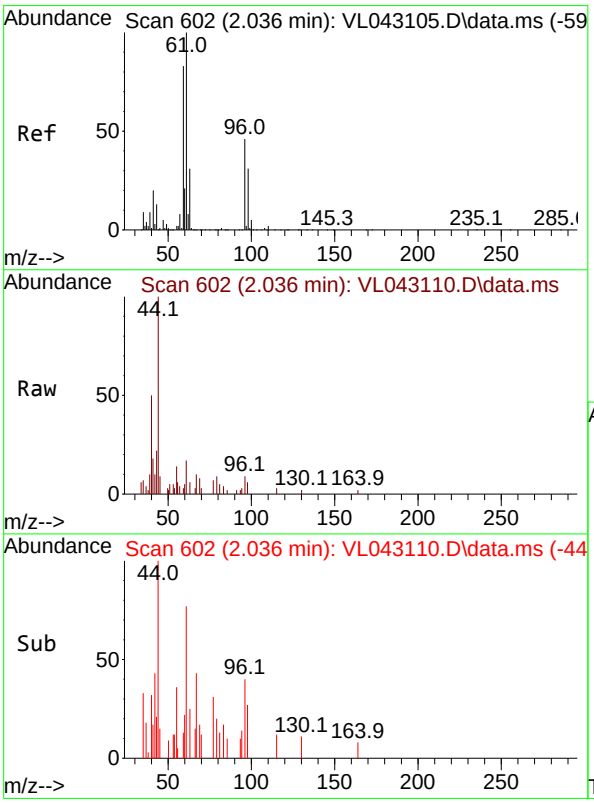
#17
tert-Butyl alcohol
Concen: 0.032 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 59 Resp: 599

Ion	Ratio	Lower	Upper
59	100		
57	72.6	8.2	12.4#

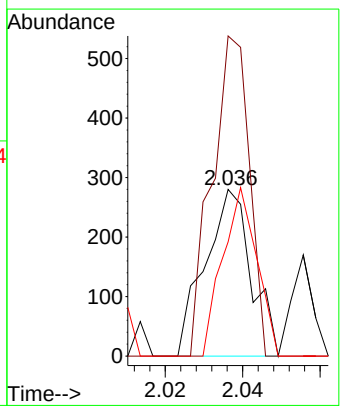


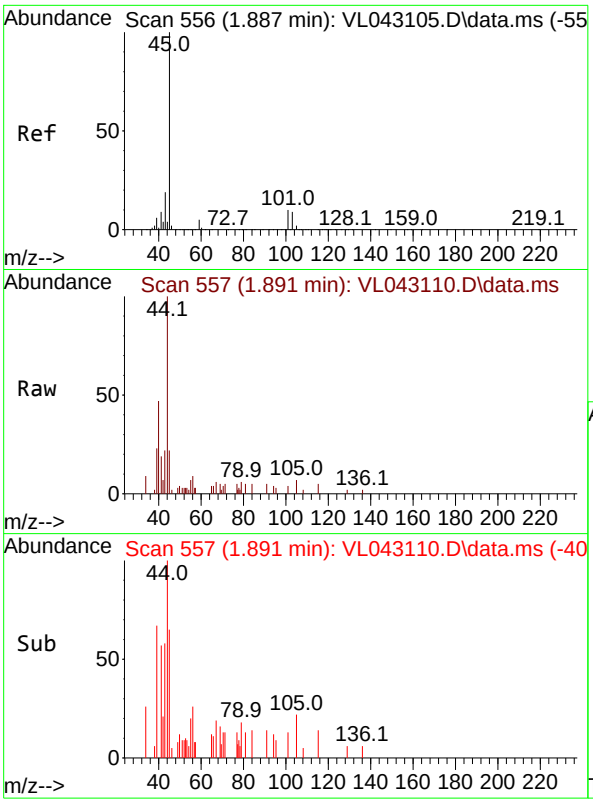


#18
1,1-Dichloroethene
Concen: 0.048 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 96 Resp: 232

Ion	Ratio	Lower	Upper
96	100		
61	192.1	173.4	260.0
98	68.6	53.2	79.8



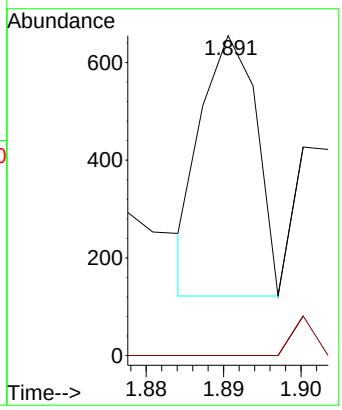


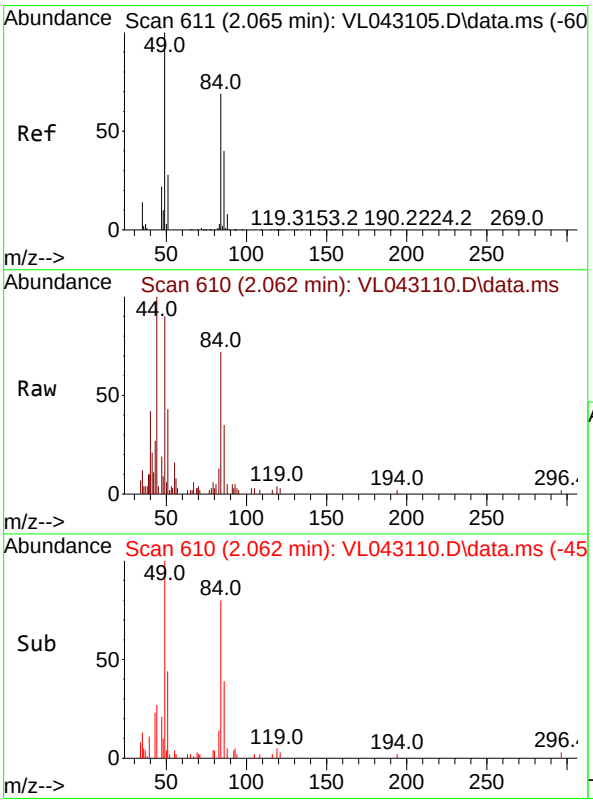
#19
Isopropyl Alcohol
Concen: 0.031 ppbv
RT: 1.891 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 263

Ion	Ratio	Lower	Upper
45	100		
58	35.7	31.3	46.9

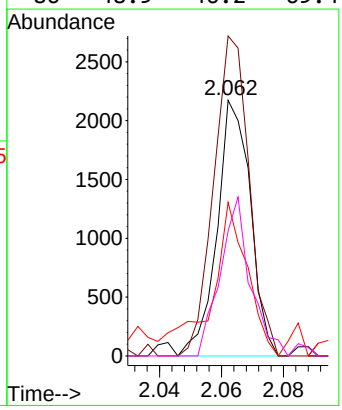


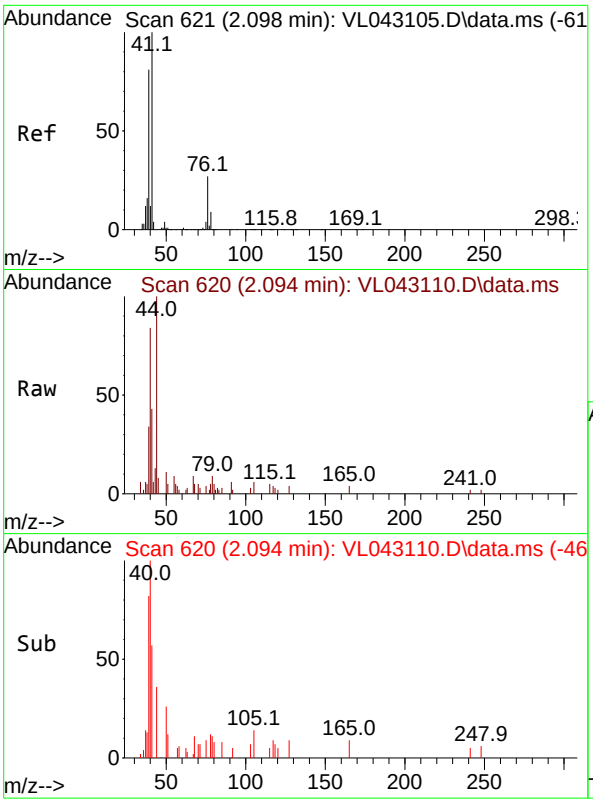


#20
Methylene Chloride
Concen: 0.305 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 84 Resp: 1624

Ion	Ratio	Lower	Upper
84	100		
49	125.2	116.6	175.0
51	60.1	34.8	52.2#
86	48.9	46.2	69.4



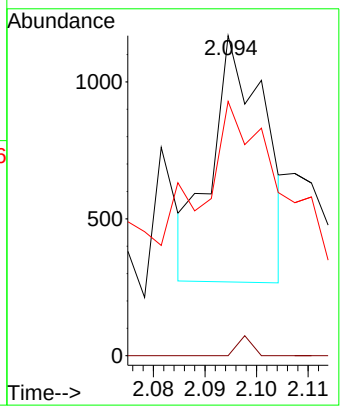


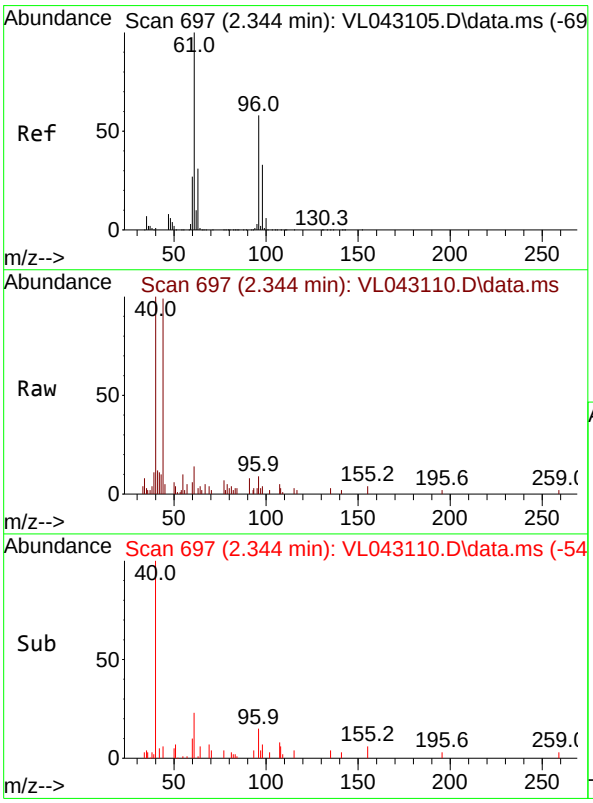
#21
Allyl Chloride
Concen: 0.065 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 645

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.5	32.3#
39	263.7	60.8	91.2#

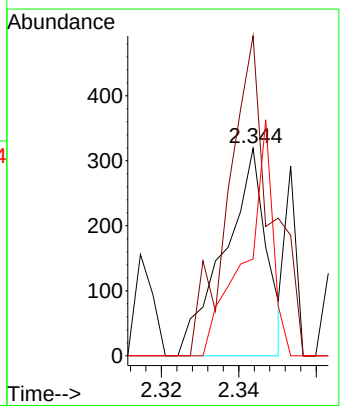


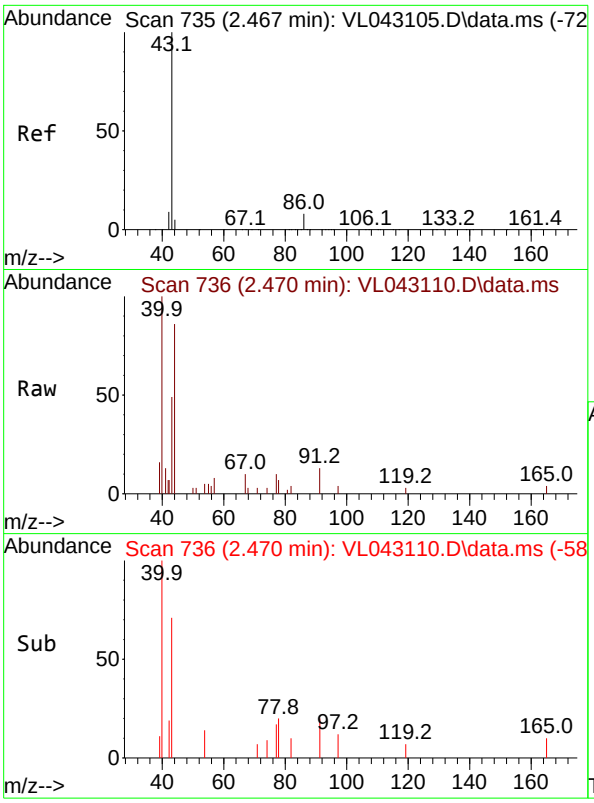


#22
trans-1,2-Dichloroethene
Concen: 0.041 ppbv
RT: 2.344 min Scan# 697
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 96 Resp: 240

Ion	Ratio	Lower	Upper
96	100		
61	154.2	137.0	205.6
98	46.7	45.5	68.3



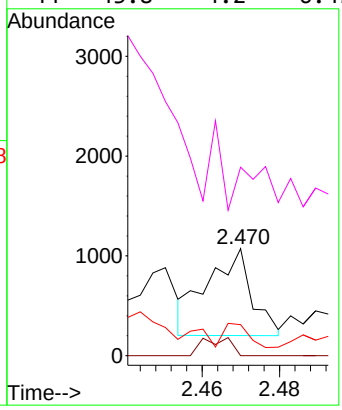


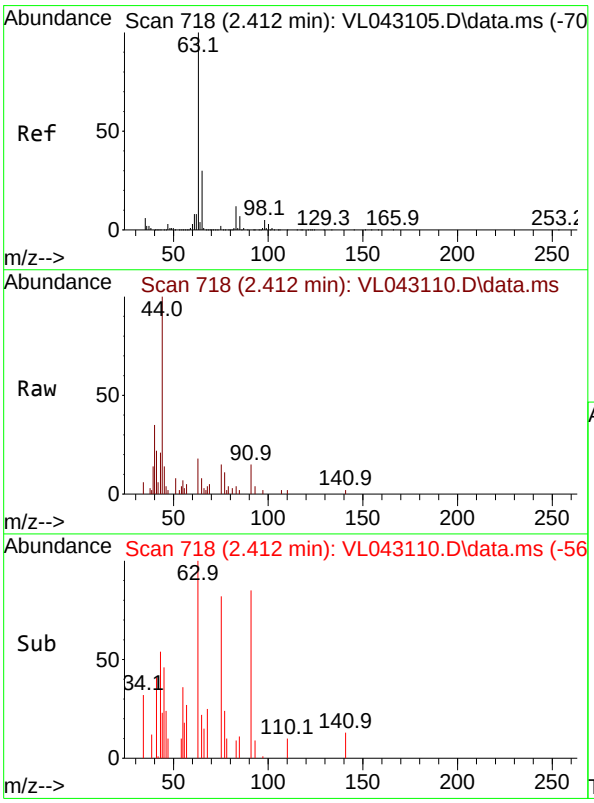
#23
Vinyl Acetate
Concen: 0.035 ppbv
RT: 2.470 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 699

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	27.9	7.6	11.4#
44	43.8	4.2	6.4#

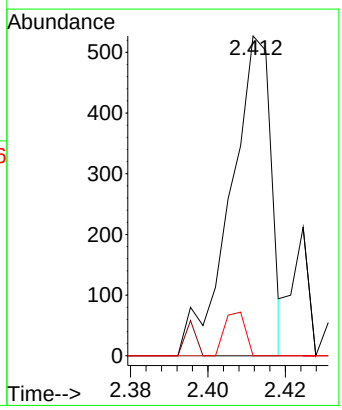


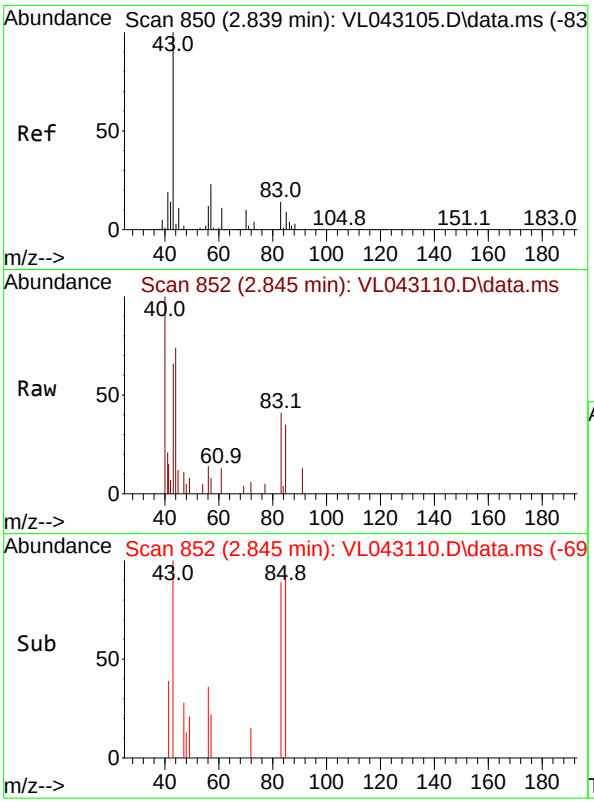


#24
1,1-Dichloroethane
Concen: 0.034 ppbv
RT: 2.412 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 63 Resp: 383

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.6	7.8#
100	0.0	1.5	4.4#



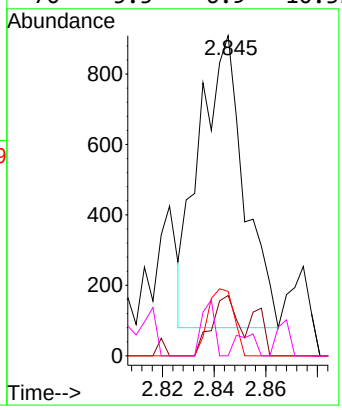


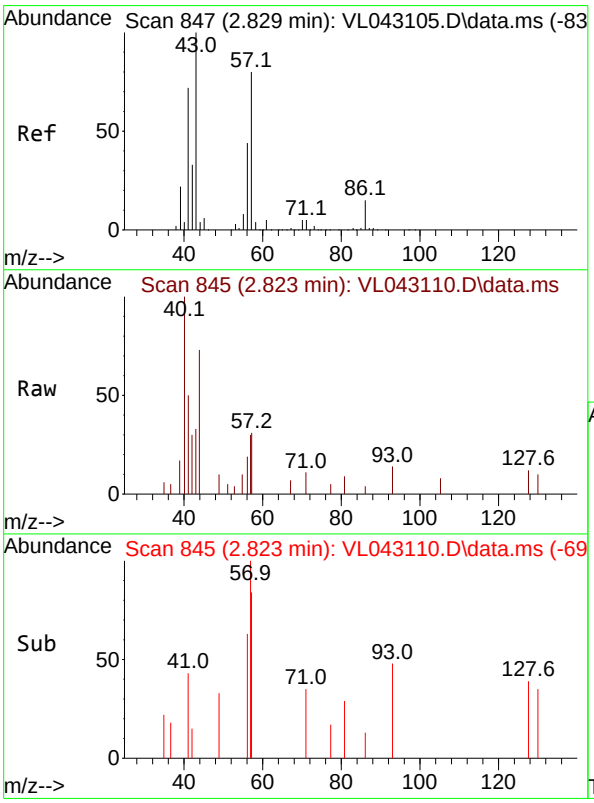
#25
Ethyl Acetate
Concen: 0.030 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 998

Ion	Ratio	Lower	Upper
43	100		
45	18.0	7.8	11.8#
61	13.2	7.0	10.6#
70	5.5	6.9	10.3#

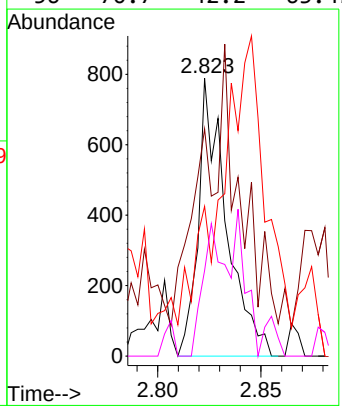


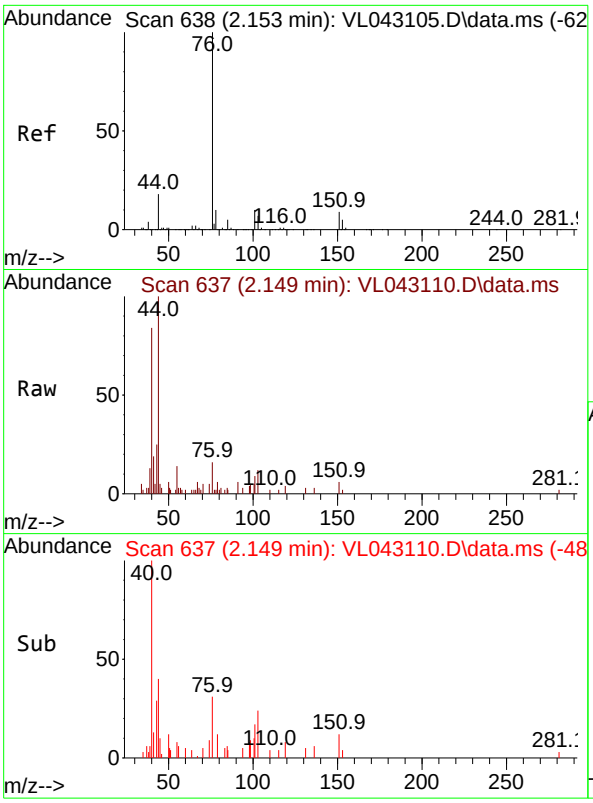


#26
Hexane
Concen: 0.048 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 57 Resp: 740

Ion	Ratio	Lower	Upper
57	100		
41	136.4	71.4	107.0#
43	230.5	178.5	267.7
56	70.7	42.2	63.4#



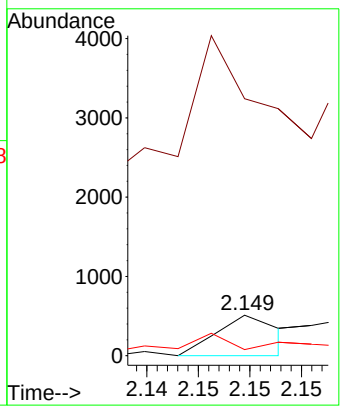


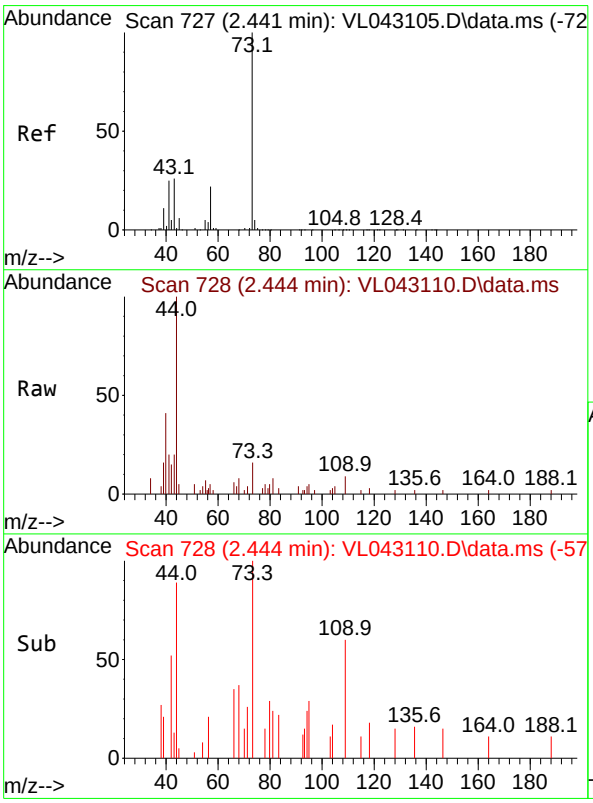
#27
Carbon Disulfide
Concen: 0.015 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 76 Resp: 215

Ion	Ratio	Lower	Upper
76	100		
44	0.0	16.7	25.1#
78	209.8	9.3	13.9#

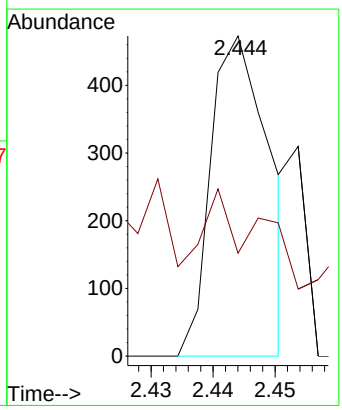


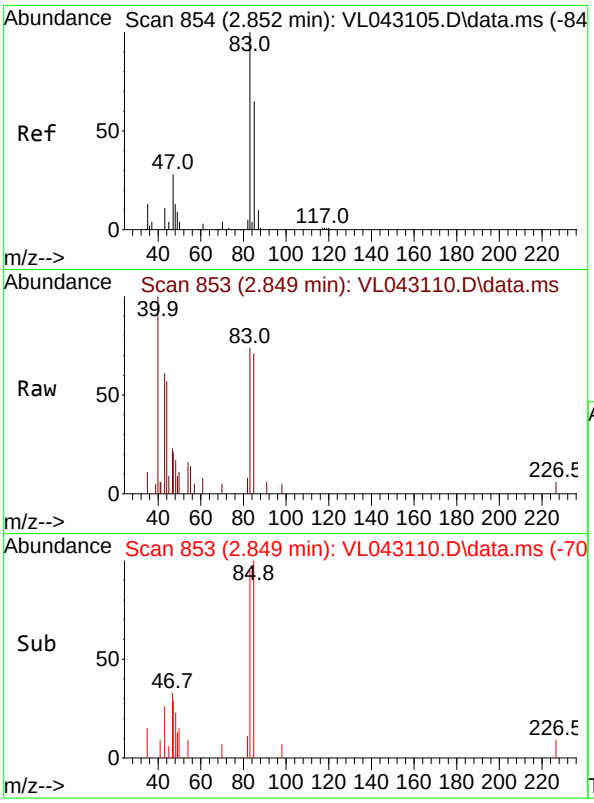


#28
Methyl tert-Butyl Ether
Concen: 0.044 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 73 Resp: 309

Ion	Ratio	Lower	Upper
73	100		
57	184.8	20.5	30.7#



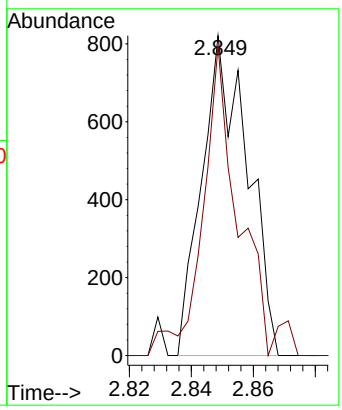


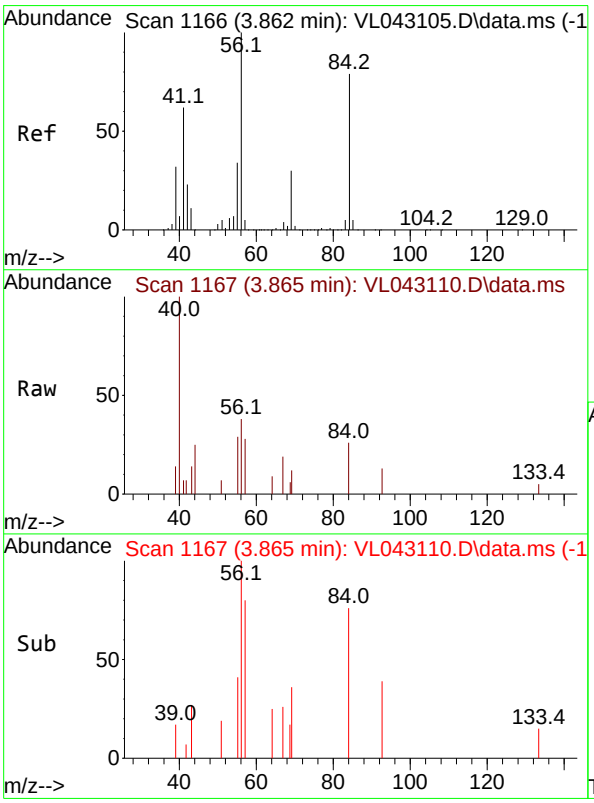
#29
Chloroform
Concen: 0.038 ppbv
RT: 2.849 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 839

Ion	Ratio	Lower	Upper
83	100		
85	90.7	51.8	77.6#

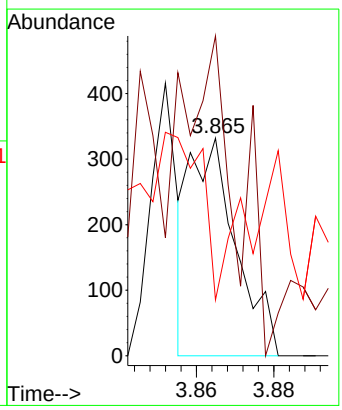


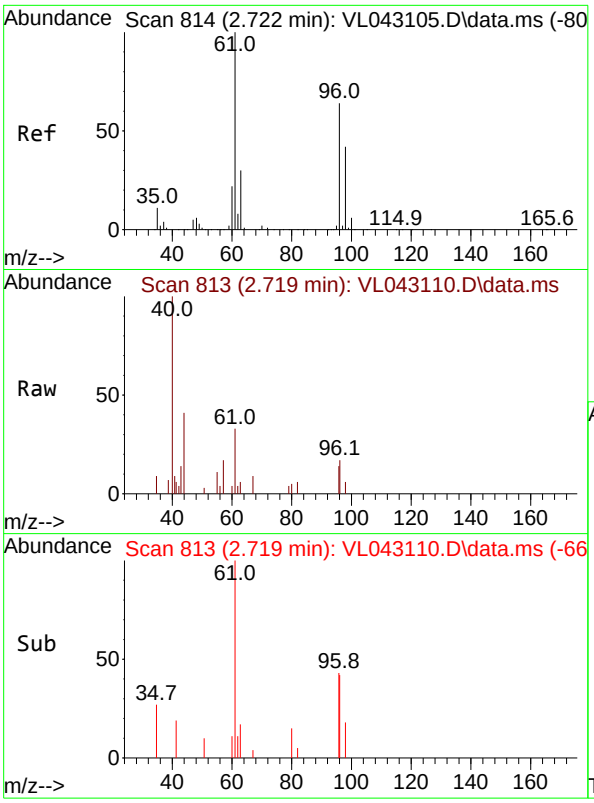


#30
Cyclohexane
Concen: 0.021 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 84 Resp: 276

Ion	Ratio	Lower	Upper
84	100		
56	324.3	100.9	151.3#
41	0.0	63.8	95.6#



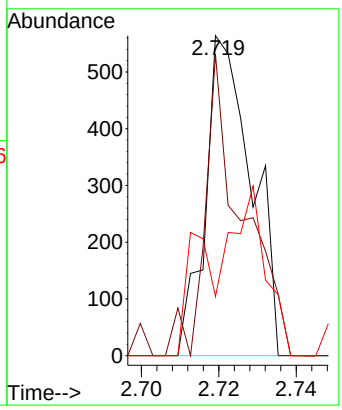


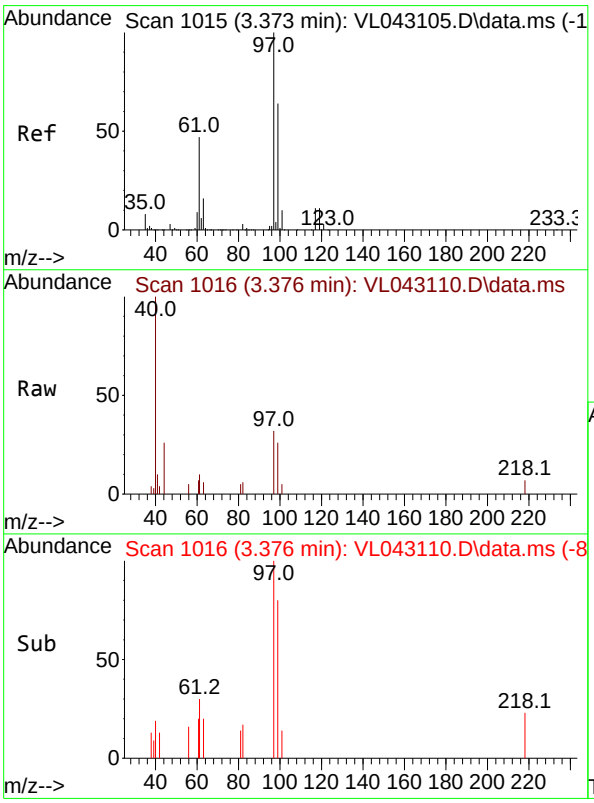
#31
cis-1,2-Dichloroethene
Concen: 0.032 ppbv
RT: 2.719 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 61 Resp: 467

Ion	Ratio	Lower	Upper
61	100		
96	79.3	51.0	76.6#
98	18.4	33.5	50.3#

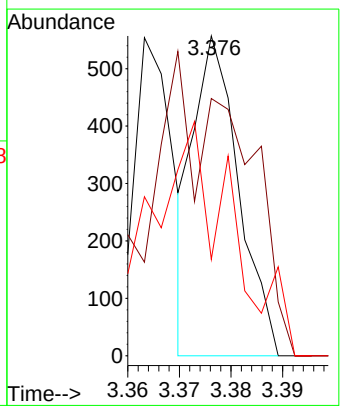


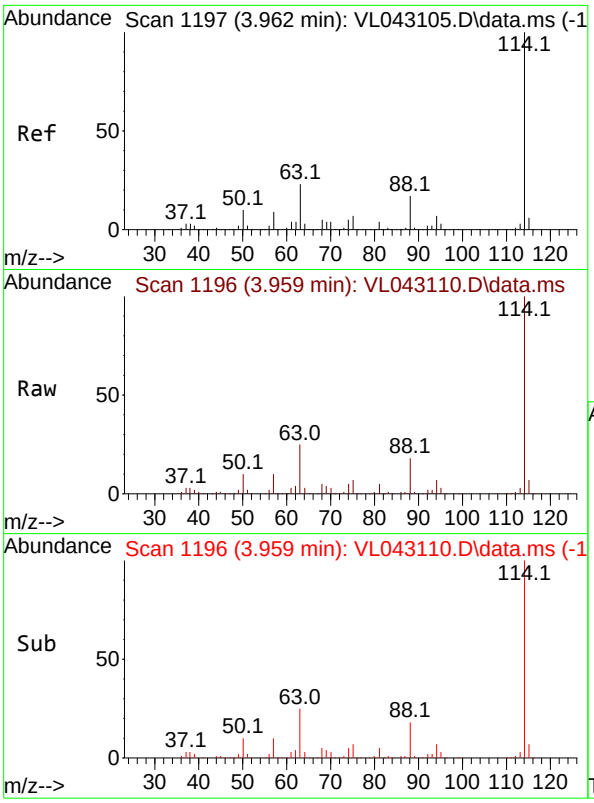


#32
1,1,1-Trichloroethane
Concen: 0.014 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 97 Resp: 336

Ion	Ratio	Lower	Upper
97	100		
99	185.7	51.3	76.9#
61	149.7	38.4	57.6#



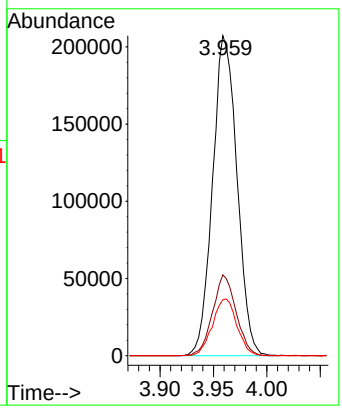


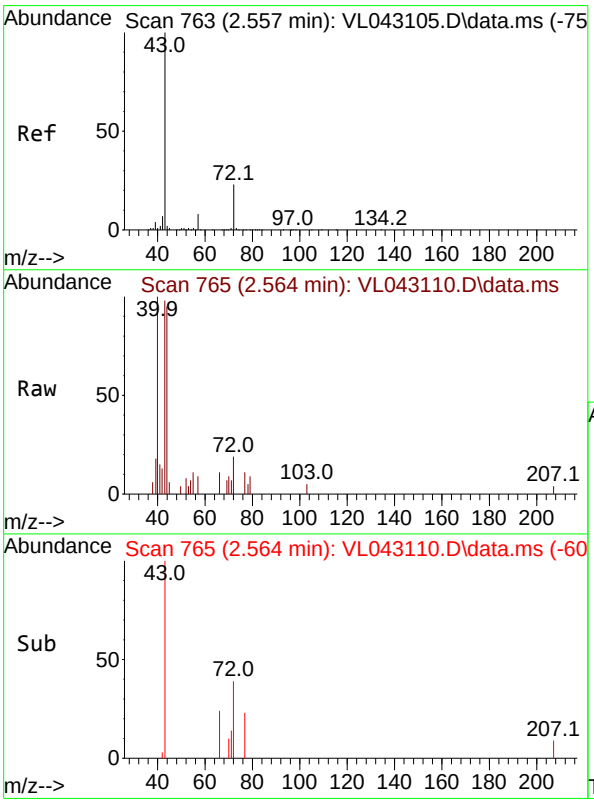
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 328897

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.3	28.9
88	17.8	13.9	20.9

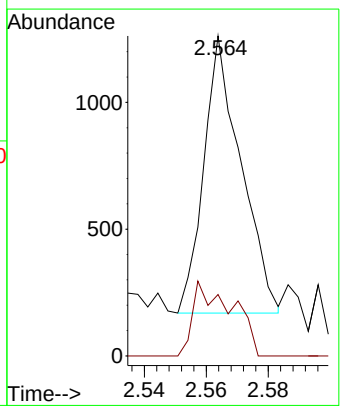


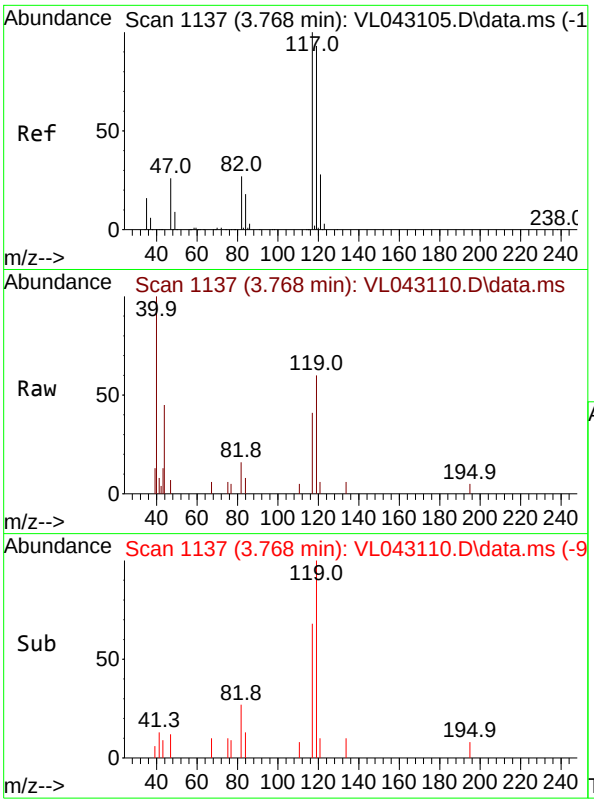


#34
2-Butanone
Concen: 0.041 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 43 Resp: 909

Ion	Ratio	Lower	Upper
43	100		
72	28.4	18.4	27.6#



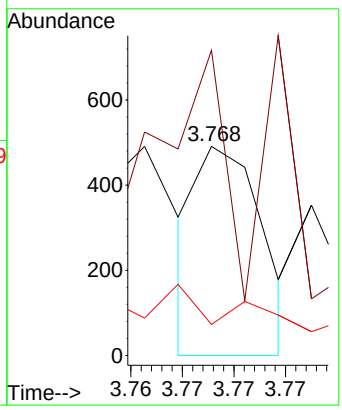


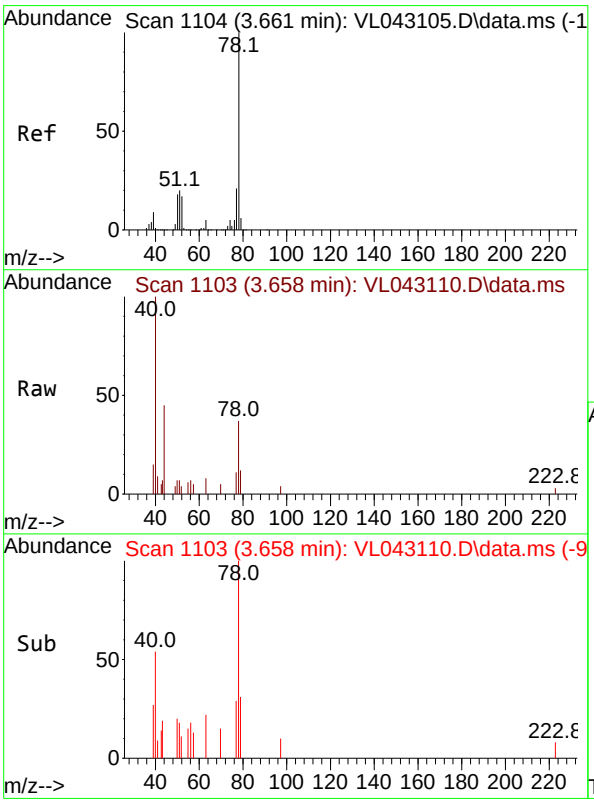
#35
Carbon Tetrachloride
Concen: 0.009 ppbv
RT: 3.768 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 216

Ion	Ratio	Lower	Upper
117	100		
119	74.1	74.1	111.1
121	0.0	22.2	33.2#

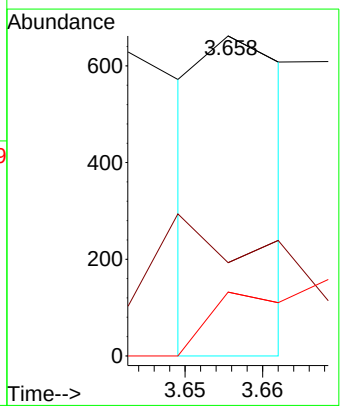


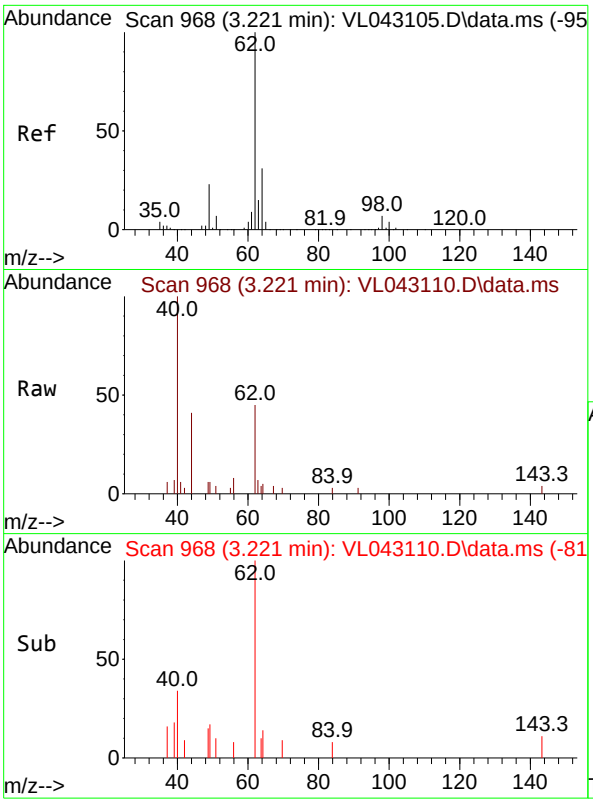


#36
Benzene
Concen: 0.008 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 78 Resp: 246

Ion	Ratio	Lower	Upper
78	100		
77	0.0	17.0	25.6#
50	244.4	14.6	22.0#



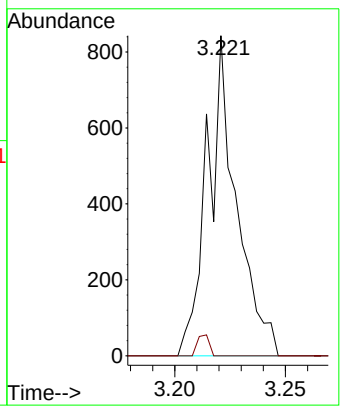


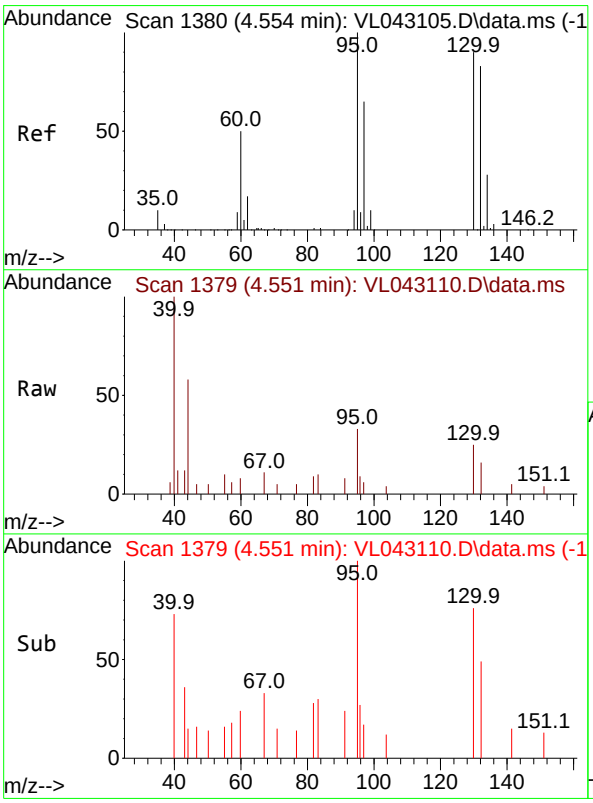
#37
1,2-Dichloroethane
Concen: 0.043 ppbv
RT: 3.221 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 772

Ion	Ratio	Lower	Upper
62	100		
98	2.7	5.8	8.6#

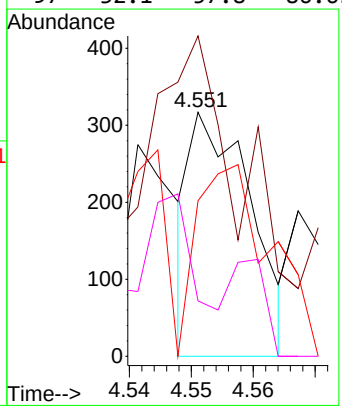


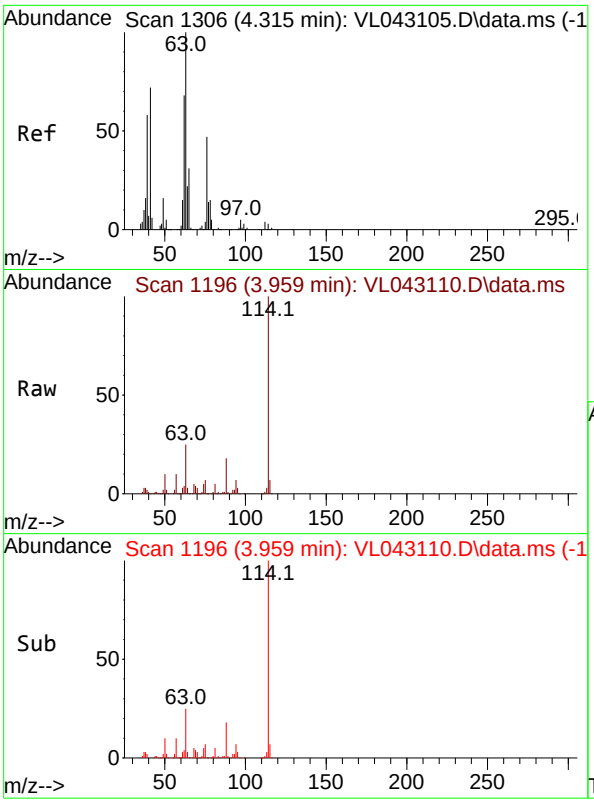


#38
Trichloroethene
Concen: 0.017 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:130 Resp: 216

Ion	Ratio	Lower	Upper
130	100		
95	136.6	88.6	133.0#
132	90.2	73.4	110.0
97	32.1	57.8	86.6#



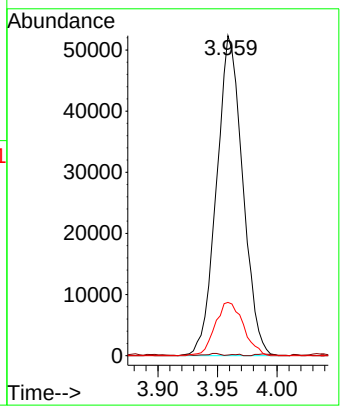


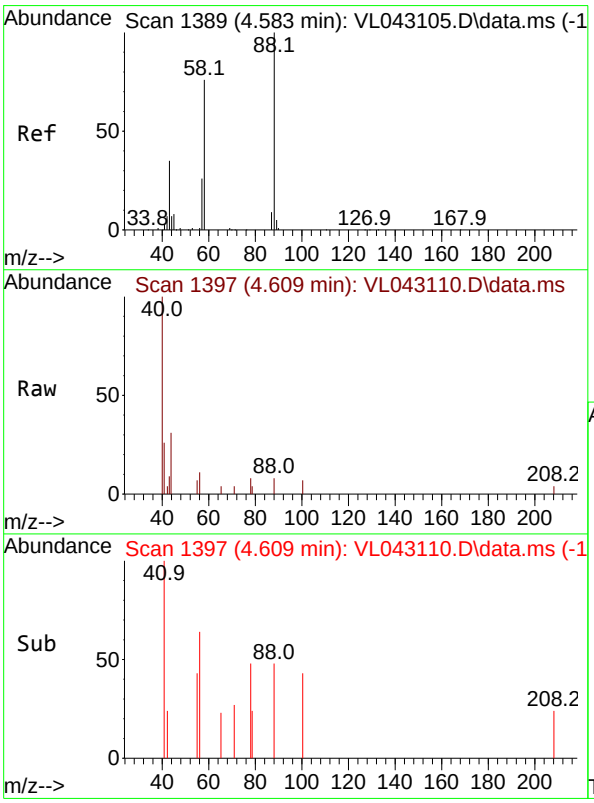
#39
1,2-Dichloropropane
Concen: 7.052 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.356 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 63 Resp: 79938

Ion	Ratio	Lower	Upper
63	100		
41	0.2	58.0	87.0#
62	16.7	54.7	82.1#

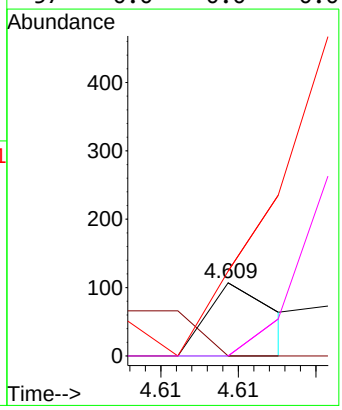


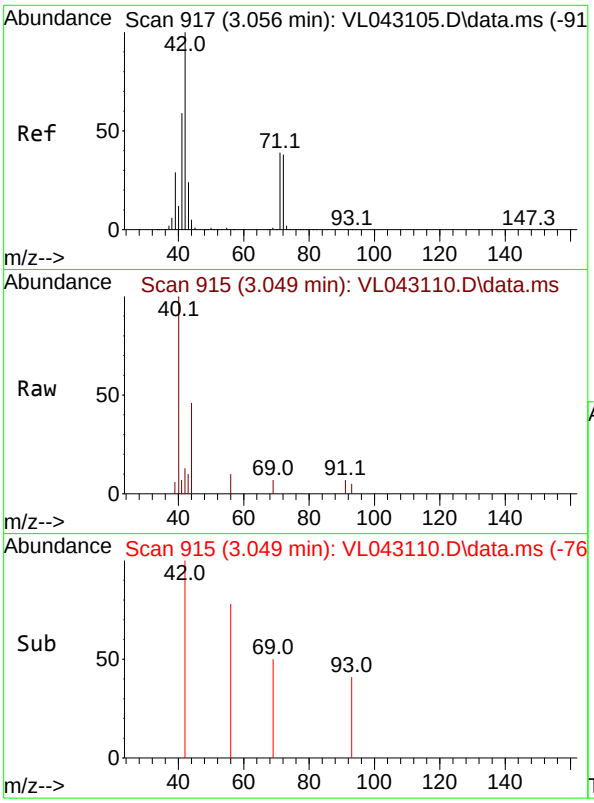


#40
1,4-Dioxane
Concen: 0.007 ppbv
RT: 4.609 min Scan# 1397
Delta R.T. 0.026 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 88 Resp: 33

Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	303.0	24.0	36.0#
57	0.0	0.0	0.0



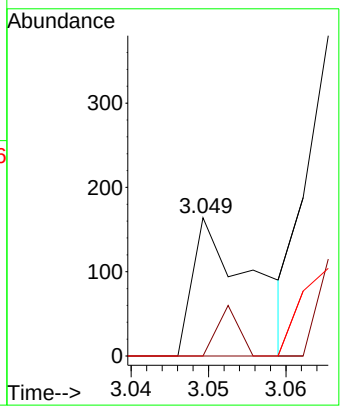


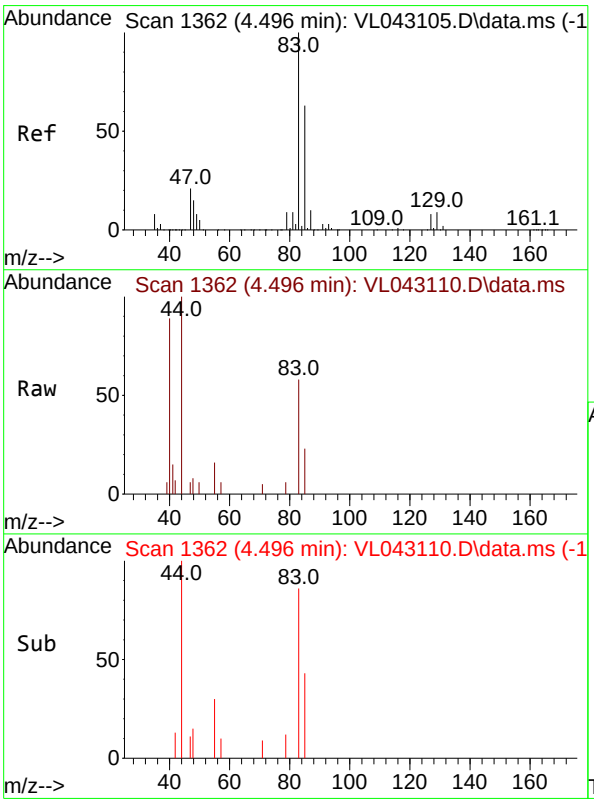
#41
Tetrahydrofuran
Concen: 0.007 ppbv
RT: 3.049 min Scan# 91
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 42 Resp: 87

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.3	46.9#
71	0.0	30.4	45.6#

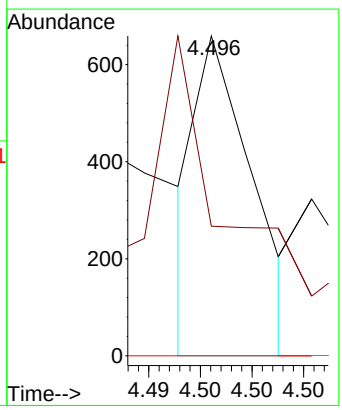


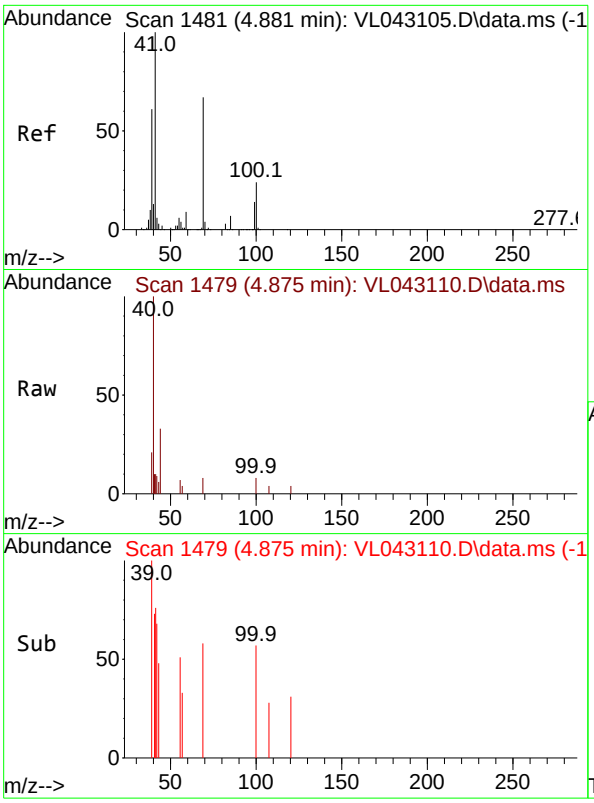


#42
Bromodichloromethane
Concen: 0.010 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 83 Resp: 250

Ion	Ratio	Lower	Upper
83	100		
85	0.9	50.6	75.8#
127	0.0	6.3	9.5#



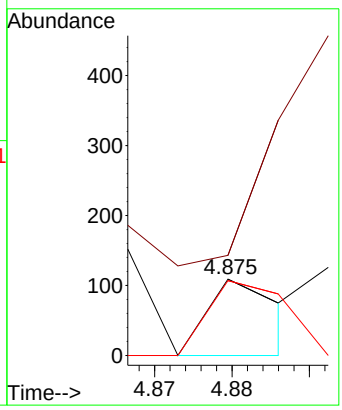


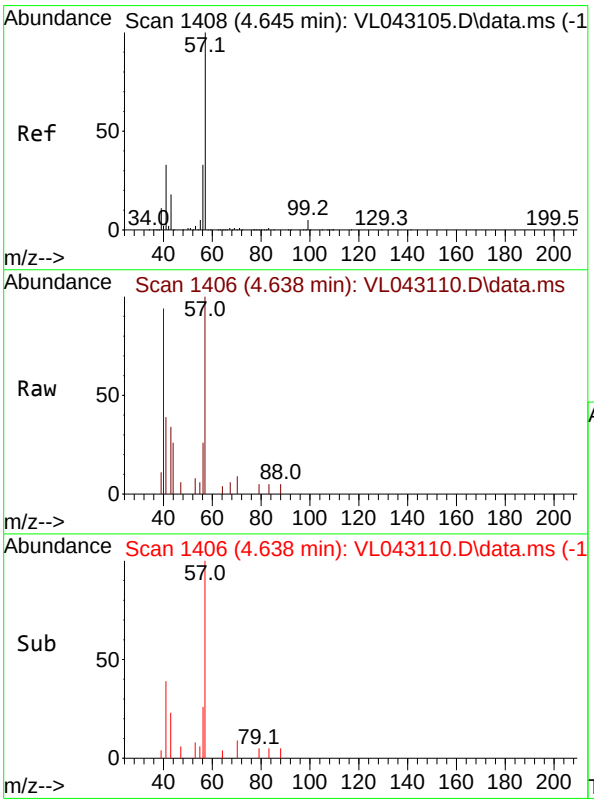
#43
Methyl Methacrylate
Concen: 0.002 ppbv
RT: 4.875 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 69 Resp: 36

Ion	Ratio	Lower	Upper
69	100		
41	0.0	120.5	180.7#
100	0.0	29.0	43.4#

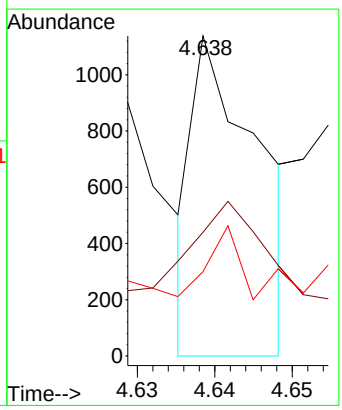


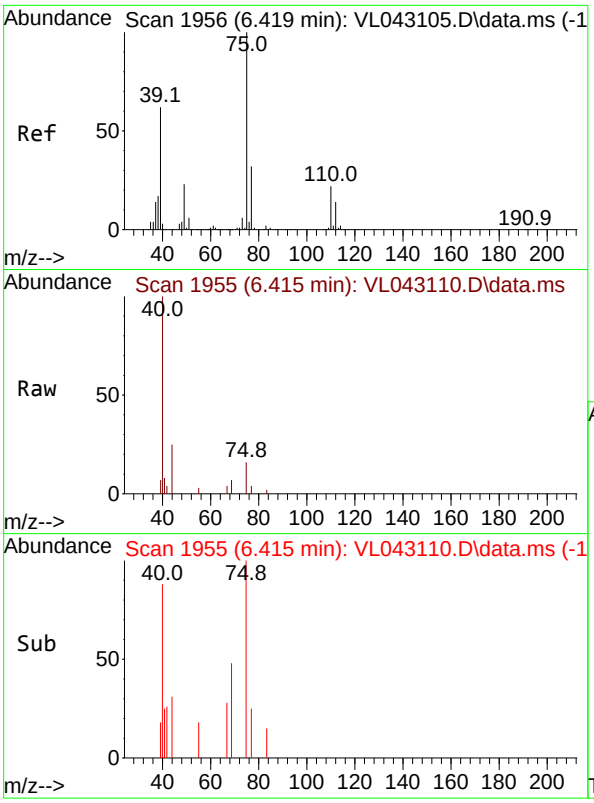


#44
2,2,4-Trimethylpentane
Concen: 0.013 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 57 Resp: 669

Ion	Ratio	Lower	Upper
57	100		
41	234.7	26.3	39.5#
56	122.3	25.9	38.9#



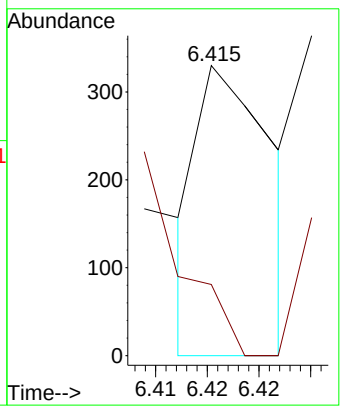


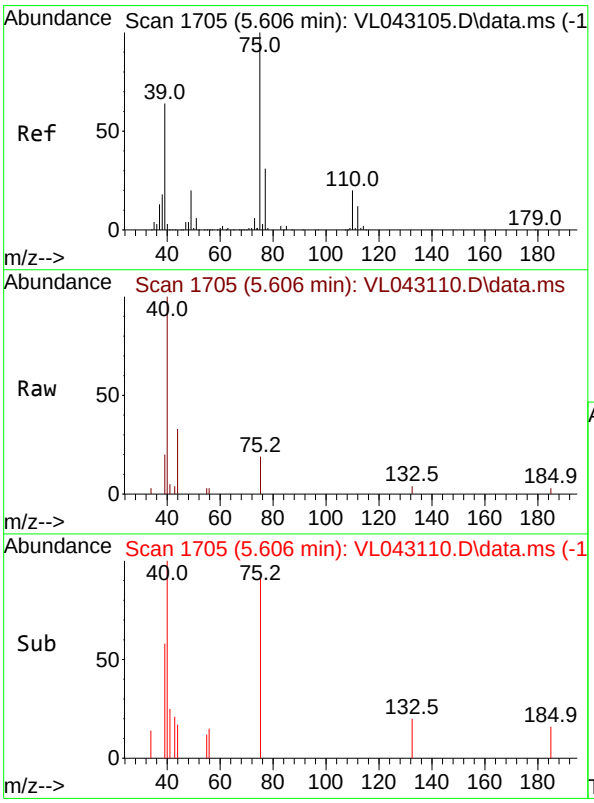
#45
t-1,3-Dichloropropene
Concen: 0.010 ppbv
RT: 6.415 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 75 Resp: 165

Ion	Ratio	Lower	Upper
75	100		
77	24.5	25.4	38.2#

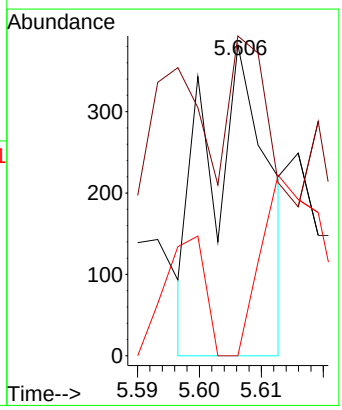


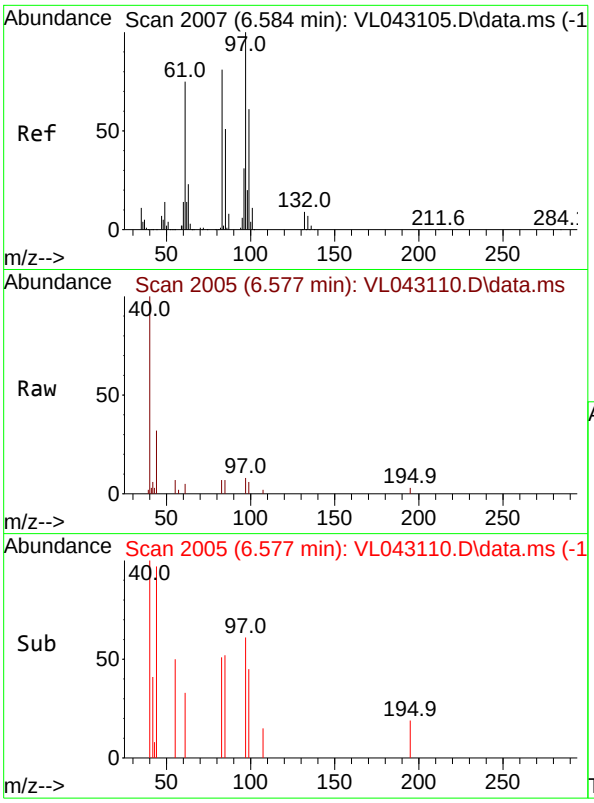


#46
cis-1,3-Dichloropropene
Concen: 0.014 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 75 Resp: 261

Ion	Ratio	Lower	Upper
75	100		
39	62.3	51.0	76.6
77	0.0	25.0	37.4#



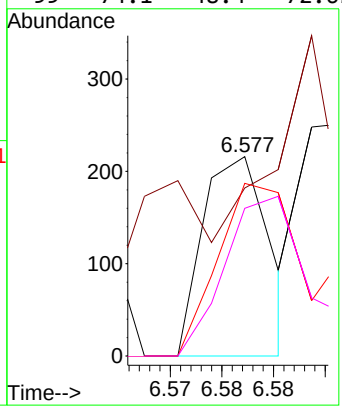


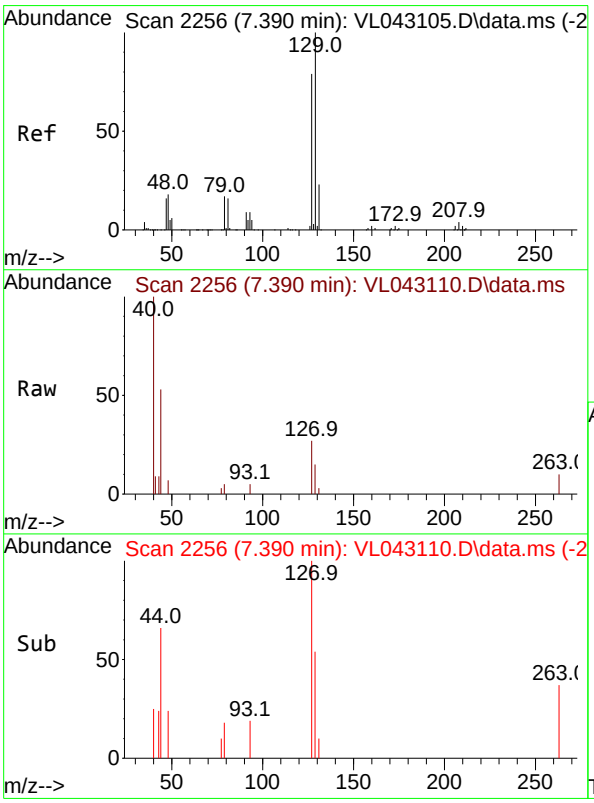
#47
1,1,2-Trichloroethane
Concen: 0.008 ppbv
RT: 6.577 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 97 Resp: 98

Ion	Ratio	Lower	Upper
97	100		
83	0.0	64.6	96.8#
85	86.6	40.6	60.8#
99	74.1	48.4	72.6#

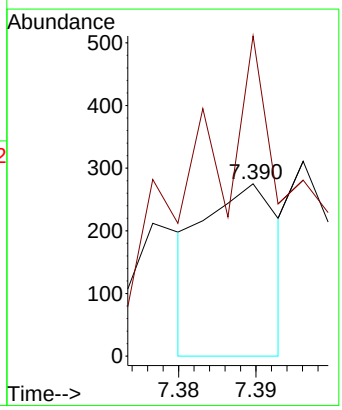


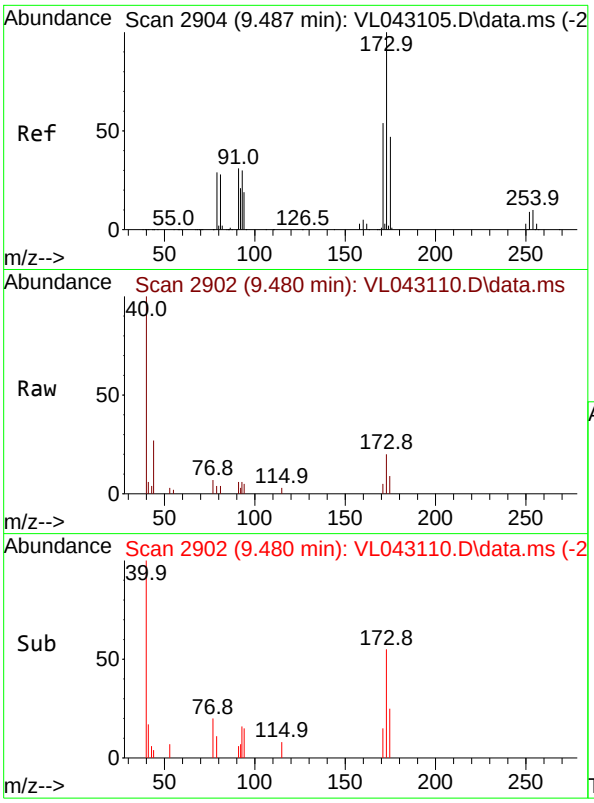


#48
Dibromochloromethane
Concen: 0.009 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:129 Resp: 186

Ion	Ratio	Lower	Upper
129	100		
127	311.3	39.3	117.9#



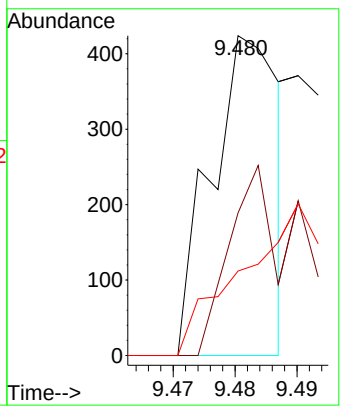


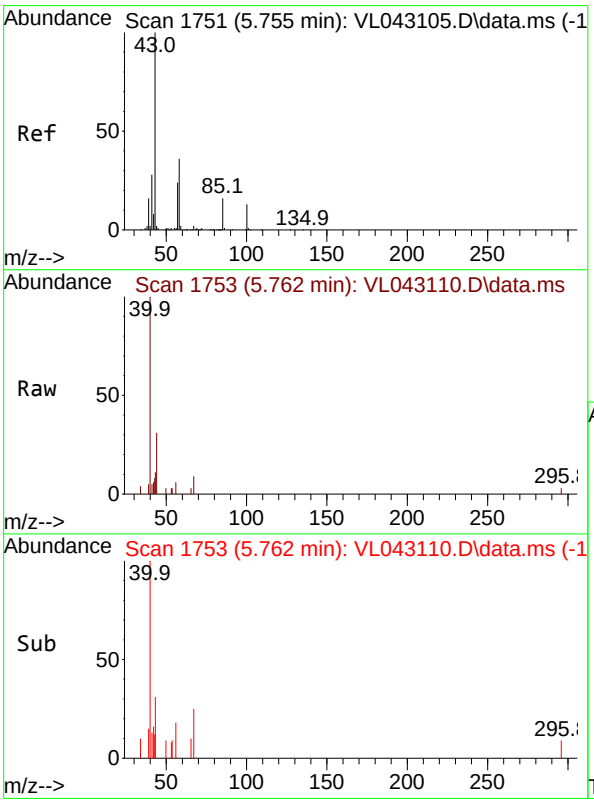
#49
Bromoform
Concen: 0.019 ppbv
RT: 9.480 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:173 Resp: 323

Ion	Ratio	Lower	Upper
173	100		
175	56.3	38.8	58.2
171	0.0	41.7	62.5#

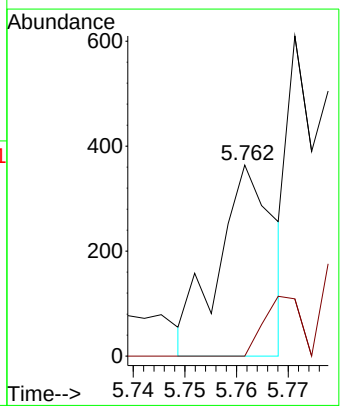


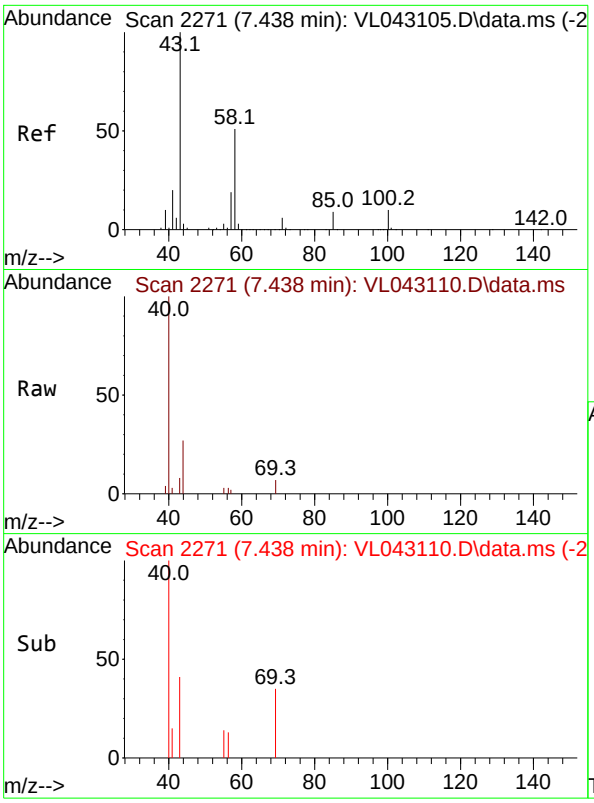


#50
4-Methyl-2-Pentanone
Concen: 0.009 ppbv
RT: 5.762 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 43 Resp: 271

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.1	43.7#



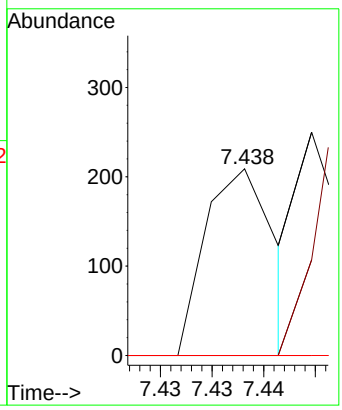


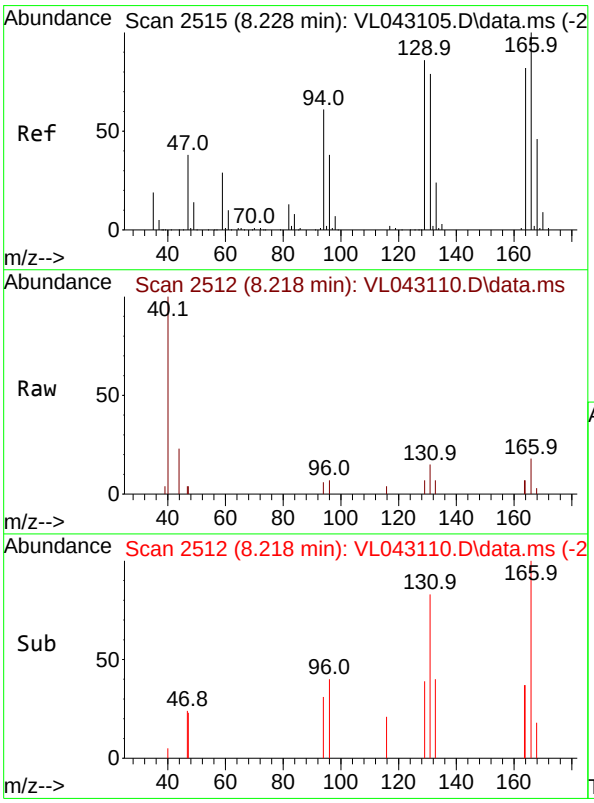
#51
2-Hexanone
Concen: 0.004 ppbv
RT: 7.438 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 98

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.4	60.6#
98	0.0	0.1	0.1#

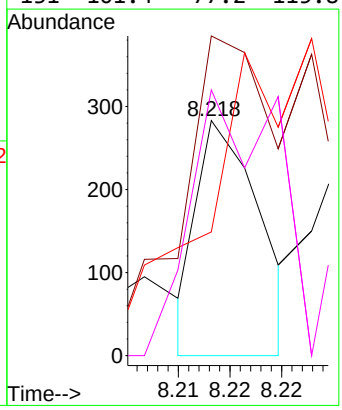


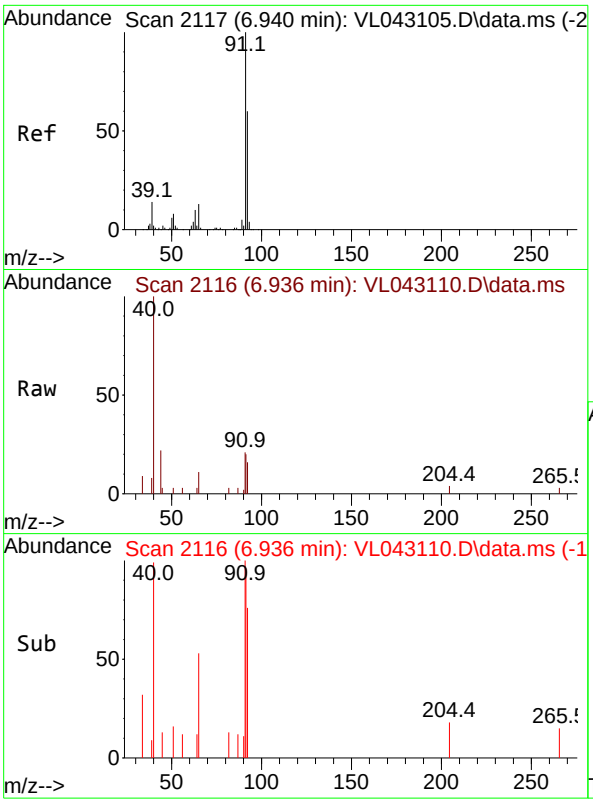


#52
Tetrachloroethene
Concen: 0.011 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.010 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:164 Resp: 120

Ion	Ratio	Lower	Upper
164	100		
166	125.2	97.6	146.4
129	8.9	84.5	126.7#
131	101.4	77.2	115.8



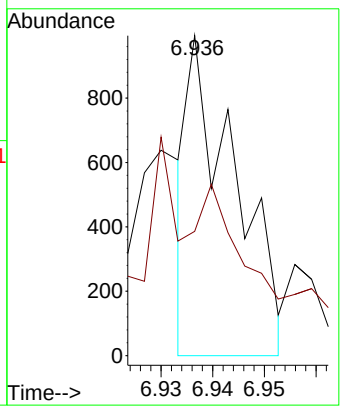


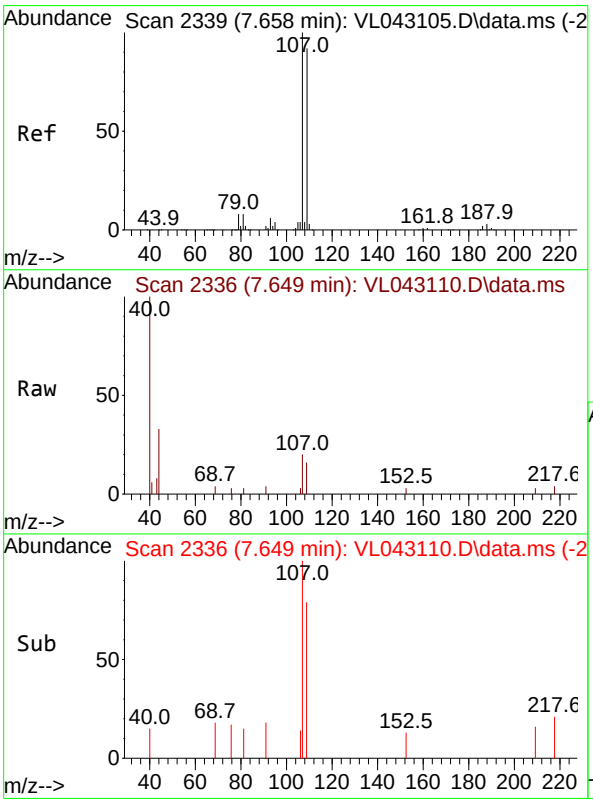
#53
Toluene
Concen: 0.017 ppbv
RT: 6.936 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 632

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.8	73.2#

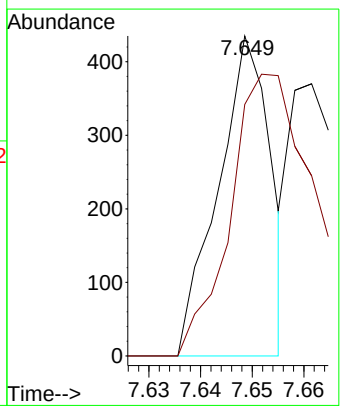


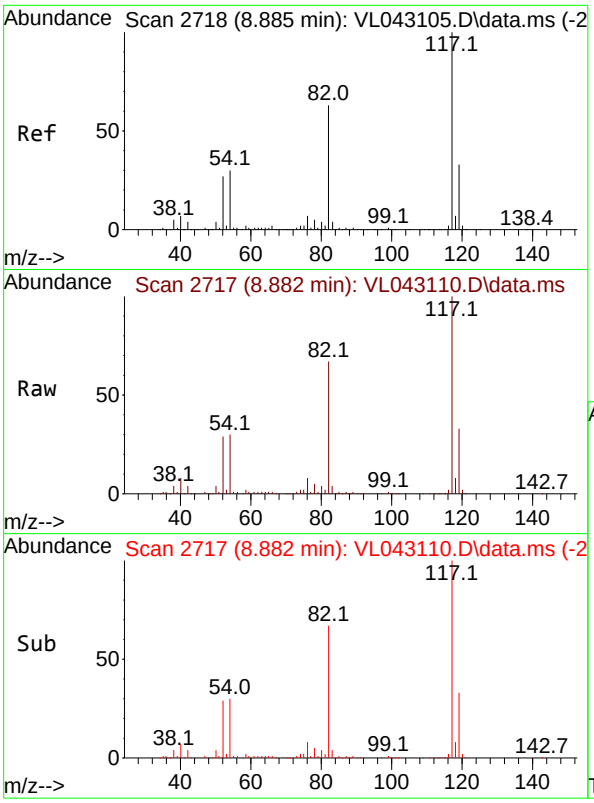


#54
1,2-Dibromoethane
Concen: 0.016 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. -0.010 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:107 Resp: 308

Ion	Ratio	Lower	Upper
107	100		
109	78.6	73.4	110.2



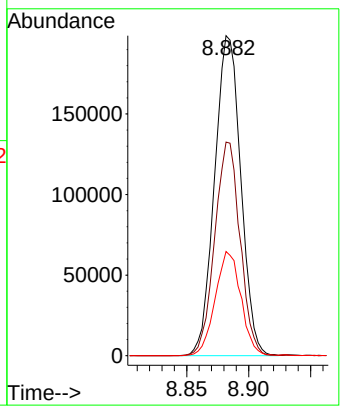


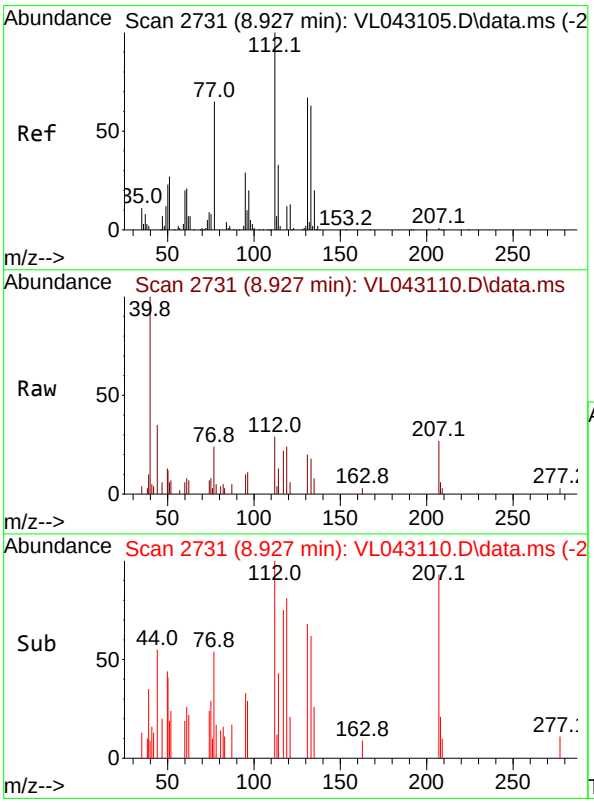
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 292884

Ion	Ratio	Lower	Upper
117	100		
82	64.7	53.8	80.8
119	32.1	25.4	38.0

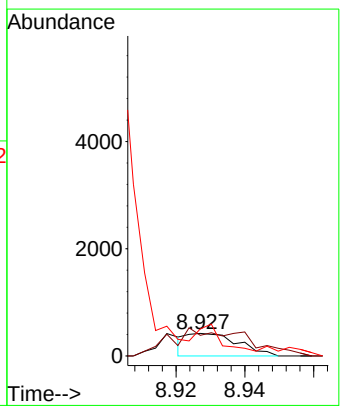


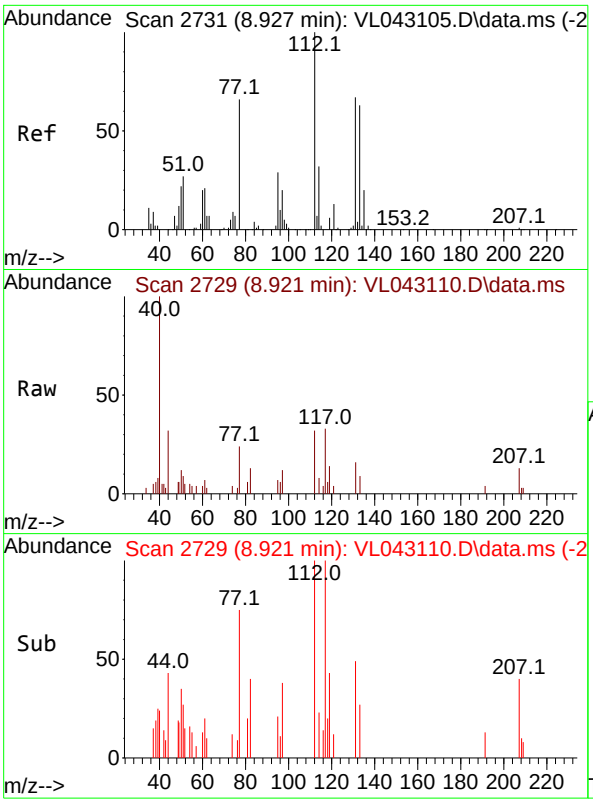


#56
1,1,1,2-Tetrachloroethane
Concen: 0.024 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:131 Resp: 441

Ion	Ratio	Lower	Upper
131	100		
133	181.0	75.7	113.5#
119	0.0	50.6	76.0#



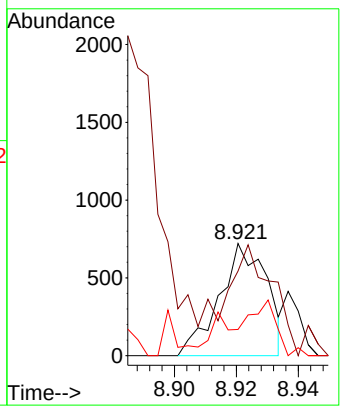


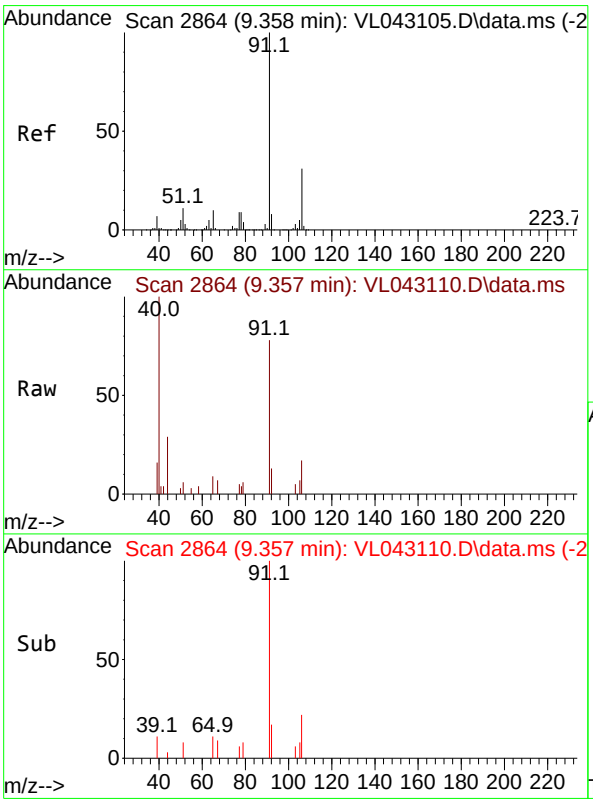
#57
Chlorobenzene
Concen: 0.028 ppbv
RT: 8.921 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:112 Resp: 764

Ion	Ratio	Lower	Upper
112	100		
77	33.7	53.3	79.9#
114	16.0	29.3	35.8#

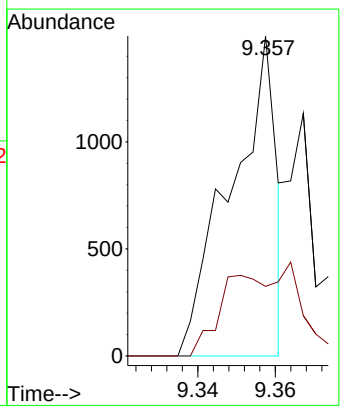


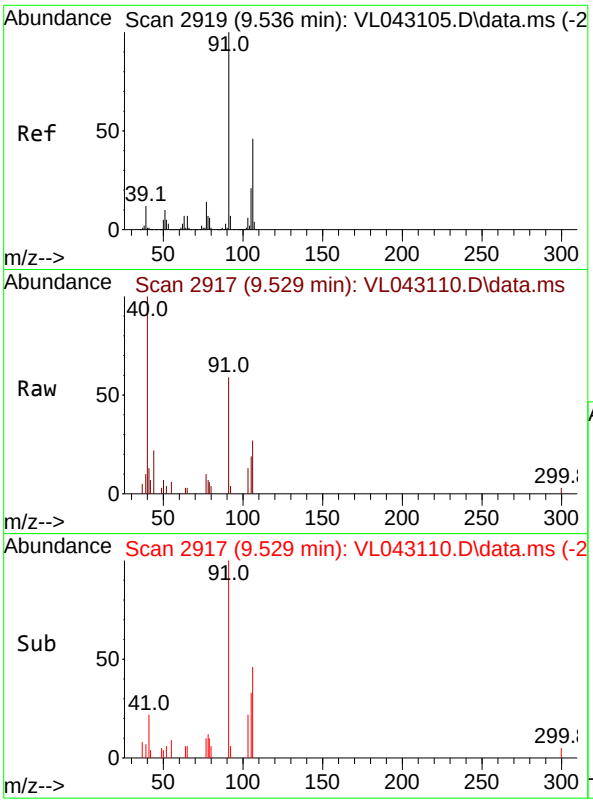


#58
Ethyl Benzene
Concen: 0.024 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 91 Resp: 1218

Ion	Ratio	Lower	Upper
91	100		
106	21.7	24.8	37.2#



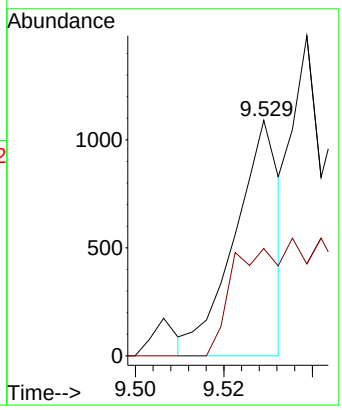


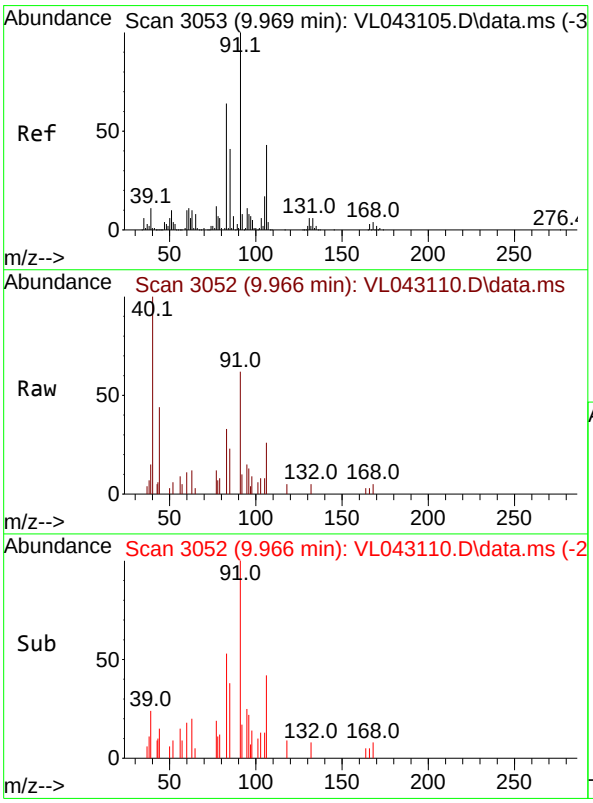
#59
m/p-Xylene
Concen: 0.019 ppbv
RT: 9.529 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 759

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

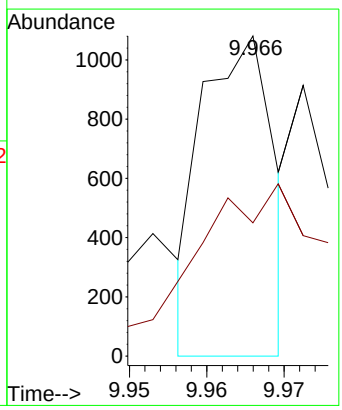


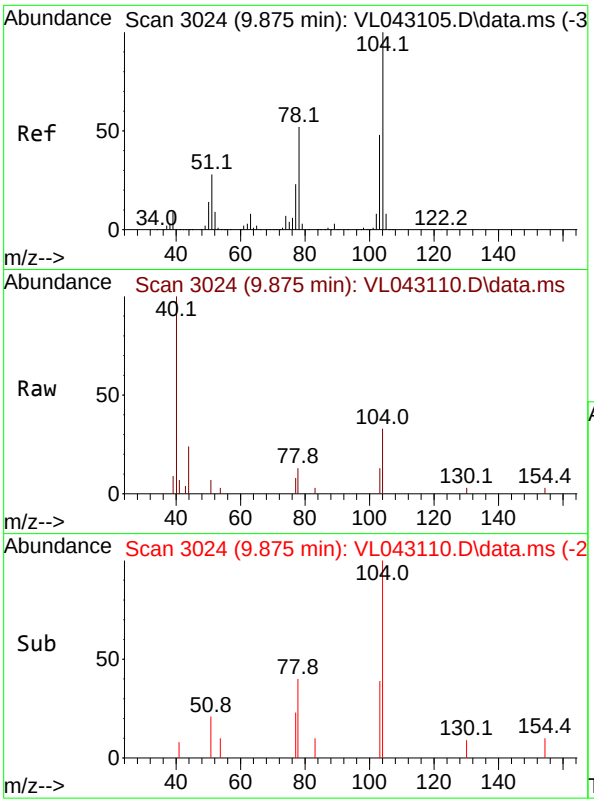


#60
o-Xylene
Concen: 0.018 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 91 Resp: 693

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.8#



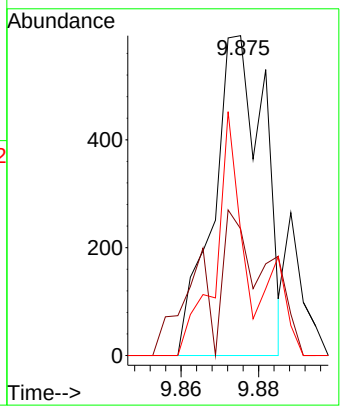


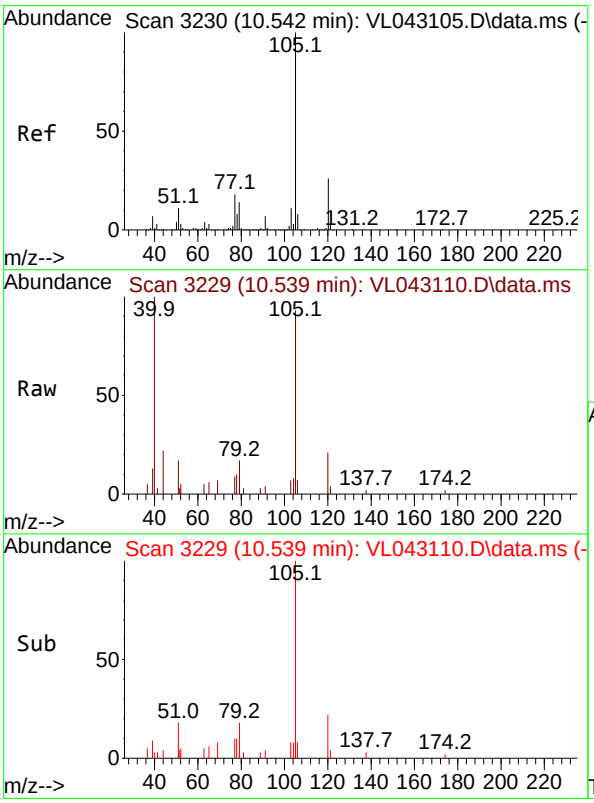
#61
Styrene
Concen: 0.030 ppbv
RT: 9.875 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:104 Resp: 538

Ion	Ratio	Lower	Upper
104	100		
78	61.7	40.2	60.2#
103	50.9	36.9	55.3

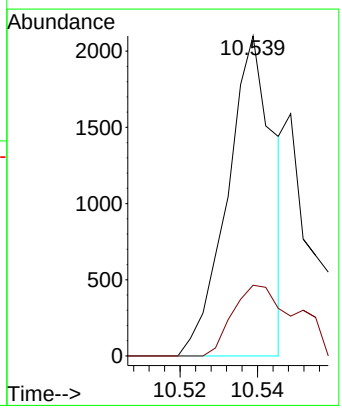


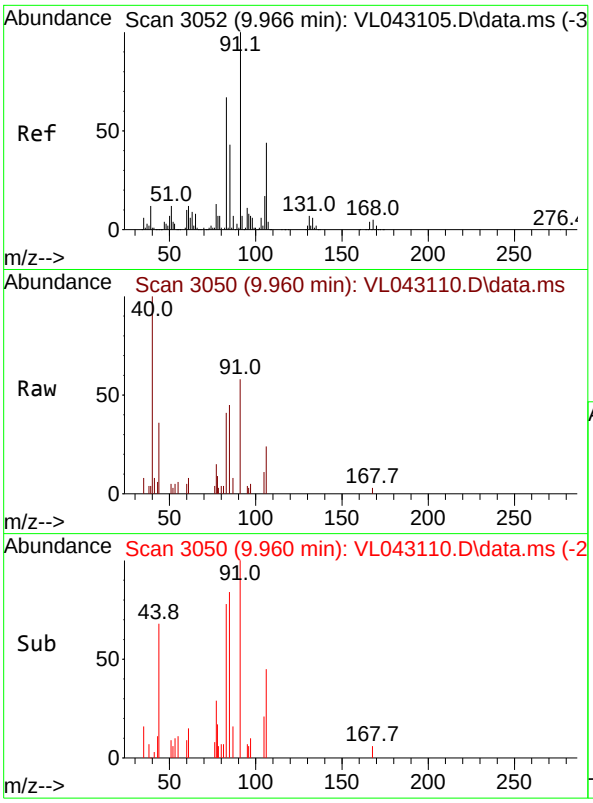


#62
Isopropylbenzene
Concen: 0.024 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:105 Resp: 1735

Ion	Ratio	Lower	Upper
105	100		
120	30.3	20.2	30.4



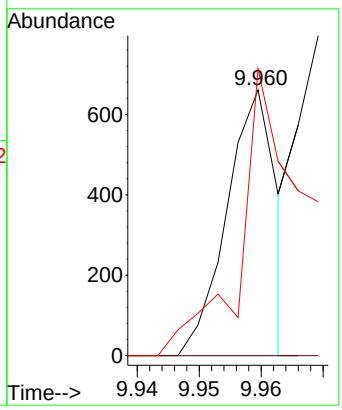


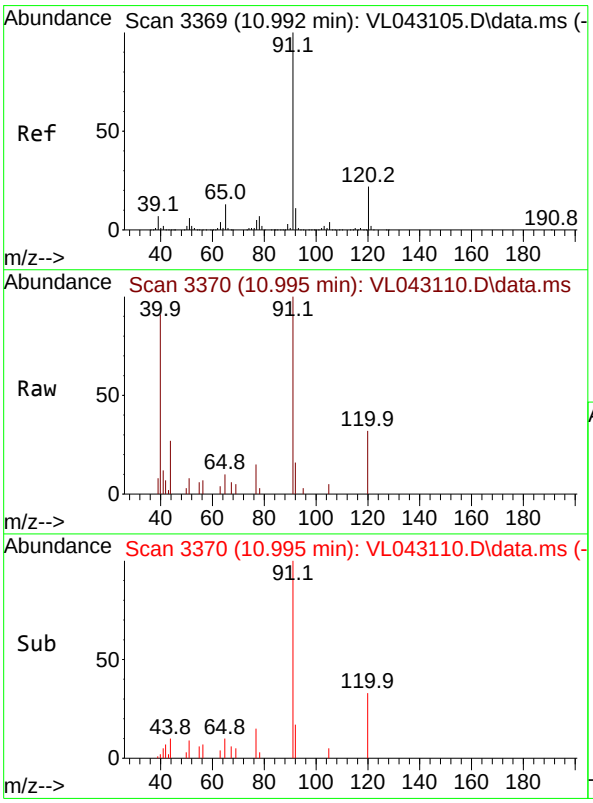
#63
1,1,2,2-Tetrachloroethane
Concen: 0.014 ppbv
RT: 9.960 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 369

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	181.6	32.0	96.0#

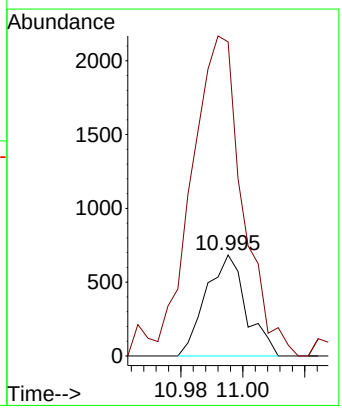


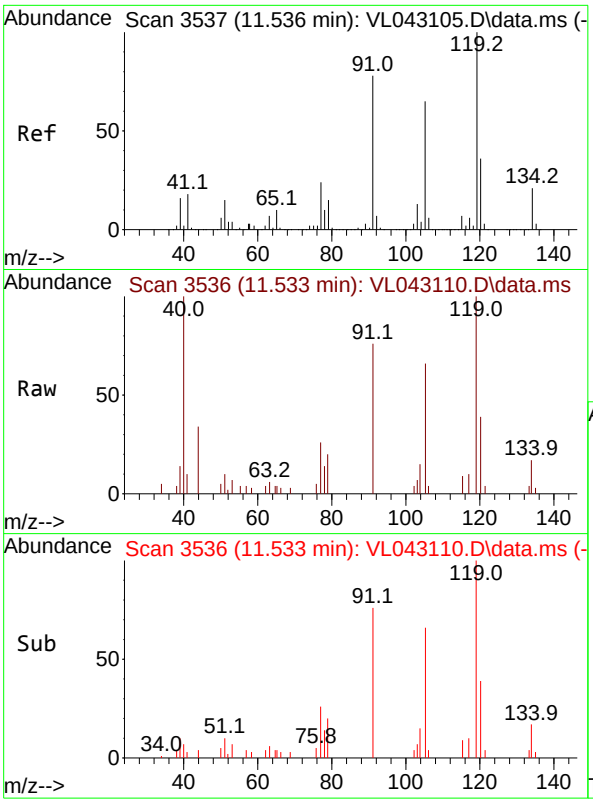


#64
n-propylbenzene
Concen: 0.033 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:120 Resp: 616

Ion	Ratio	Lower	Upper
120	100		
91	432.5	361.6	542.4



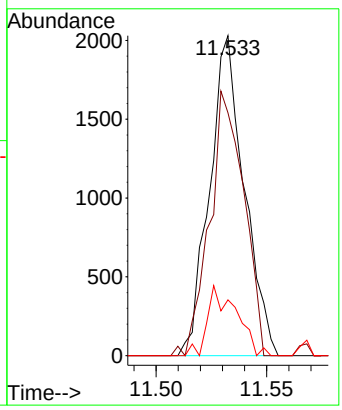


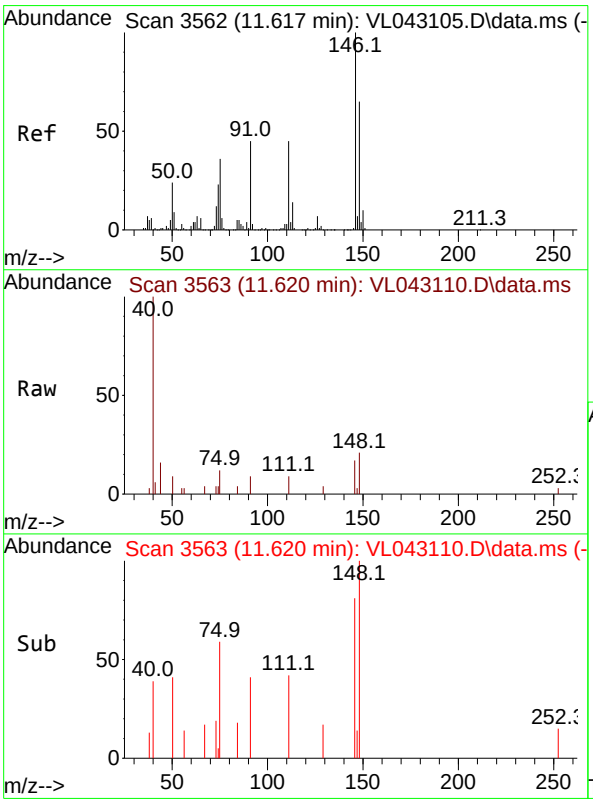
#65
tert-Butylbenzene
Concen: 0.035 ppbv
RT: 11.533 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 2219

Ion	Ratio	Lower	Upper
119	100		
91	82.6	63.4	95.0
134	18.3	17.3	25.9

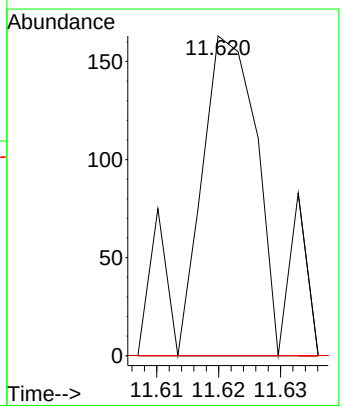


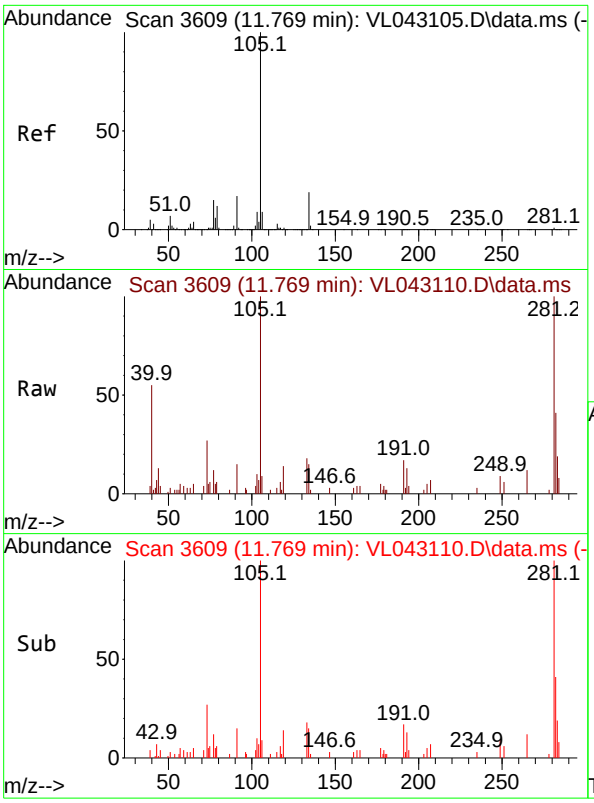


#66
Benzyl Chloride
Concen: 0.014 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 91 Resp: 98

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.6	22.0#
128	0.0	4.6	6.8#



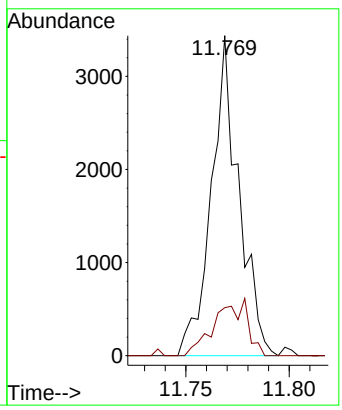


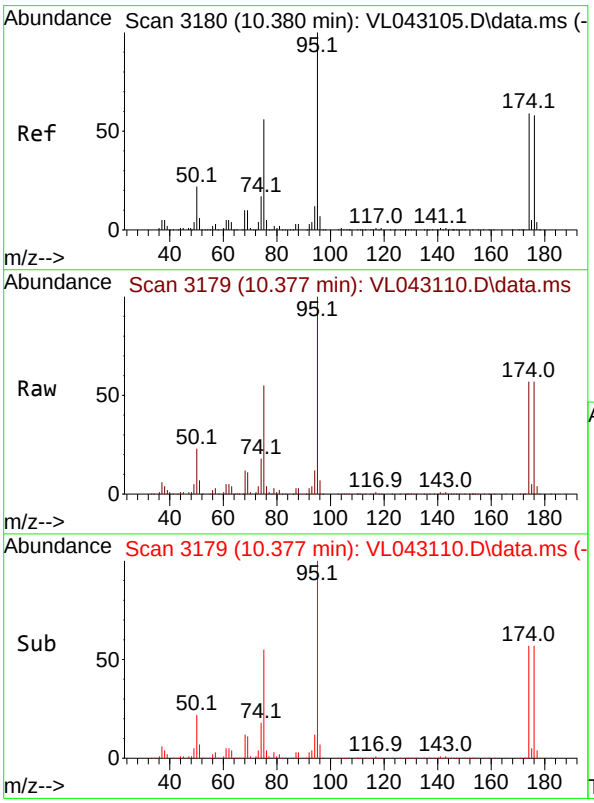
#67
sec-Butylbenzene
Concen: 0.035 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 3170

Ion	Ratio	Lower	Upper
105	100		
134	21.1	15.5	23.3

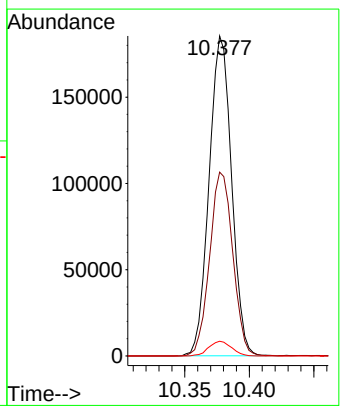


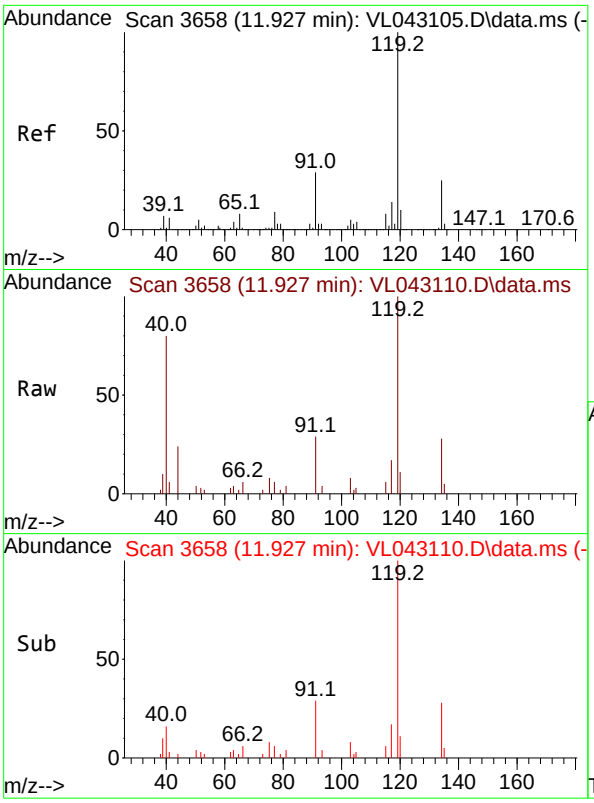


#68
1-Bromo-4-Fluorobenzene
Concen: 9.841 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 95 Resp: 224043

Ion	Ratio	Lower	Upper
95	100		
174	59.2	48.3	72.5
175	4.7	3.8	5.8



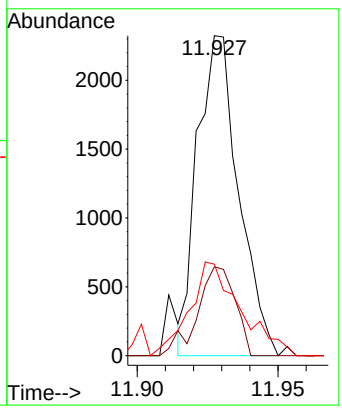


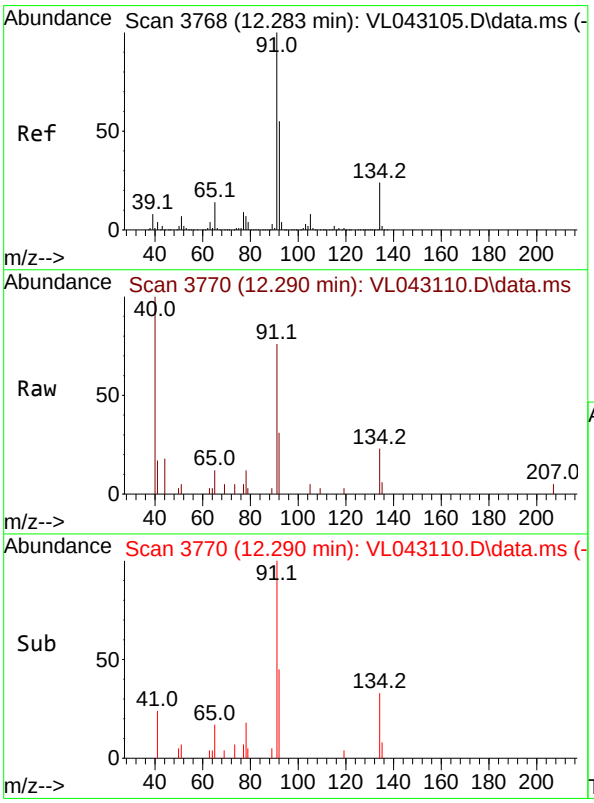
#69
p-Isopropyltoluene
Concen: 0.031 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 2370

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	38.4	22.6	33.8#

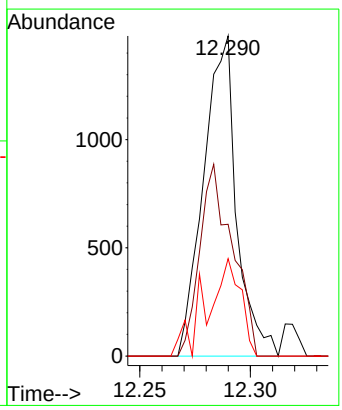


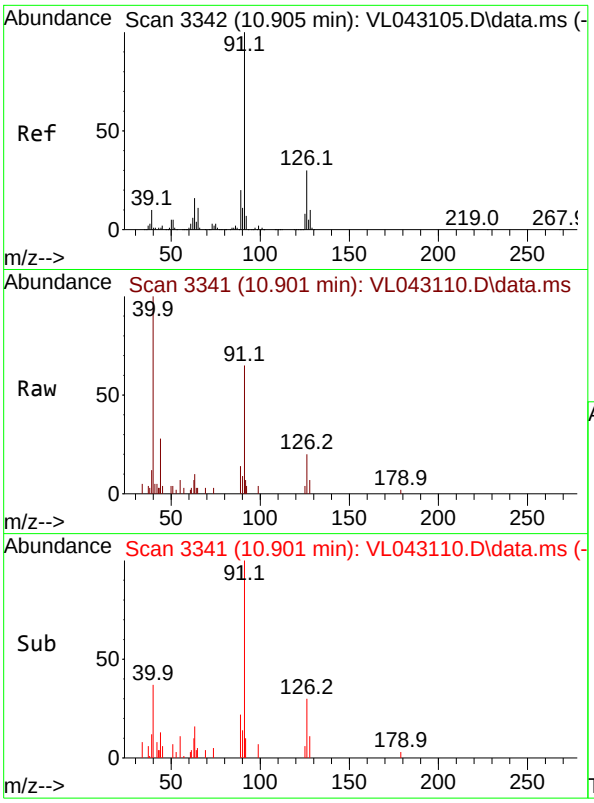


#70
n-Butylbenzene
Concen: 0.020 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.006 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 91 Resp: 1534

Ion	Ratio	Lower	Upper
91	100		
92	59.6	44.5	66.7
134	31.5	19.3	28.9#



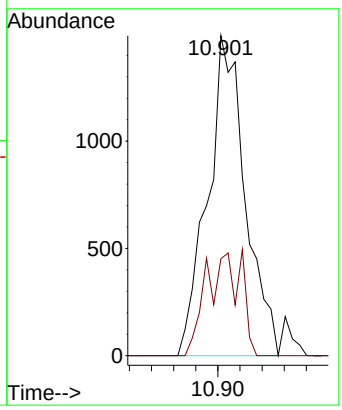


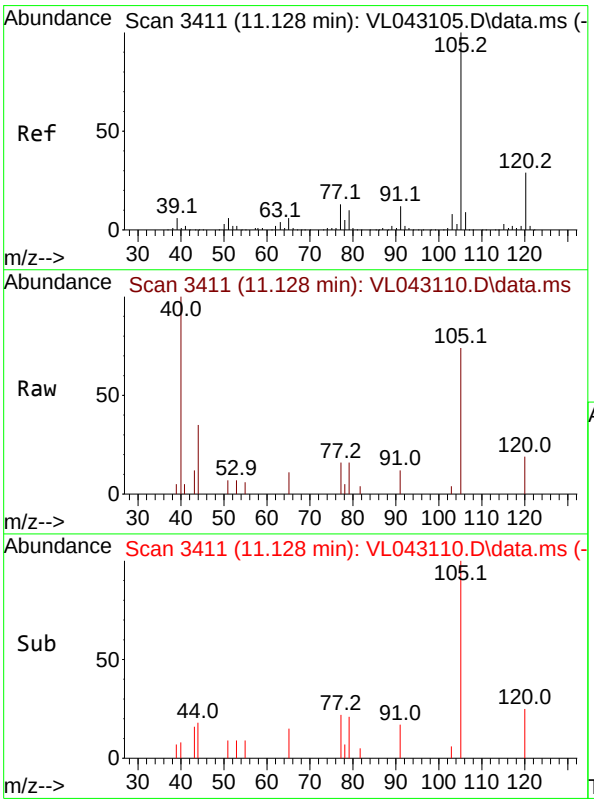
#71
2-Chlorotoluene
Concen: 0.032 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 1757

Ion	Ratio	Lower	Upper
91	100		
126	30.1	12.0	48.0

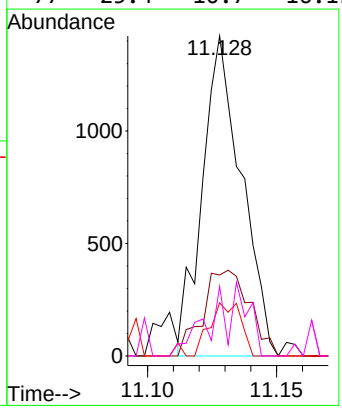


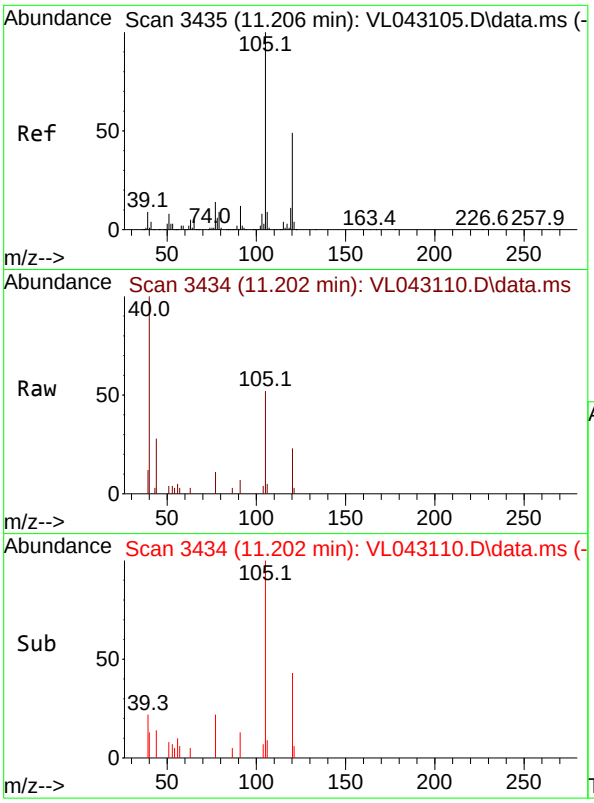


#72
4-Ethyltoluene
Concen: 0.031 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:105 Resp: 1502

Ion	Ratio	Lower	Upper
105	100		
120	32.0	24.2	36.4
91	13.9	10.0	15.0
77	25.4	10.7	16.1#



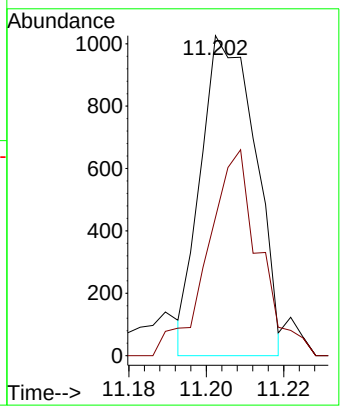


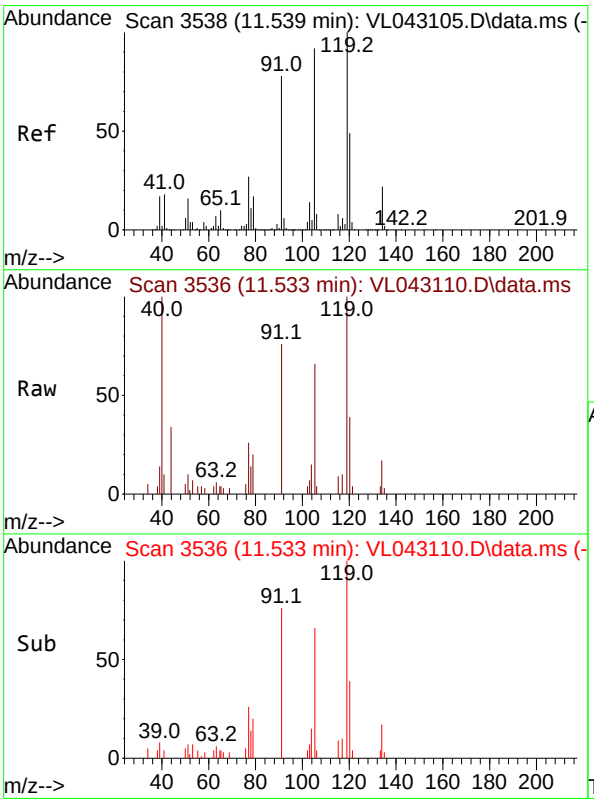
#73
1,3,5-Trimethylbenzene
Concen: 0.025 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 1005

Ion	Ratio	Lower	Upper
105	100		
120	37.2	39.0	58.6#

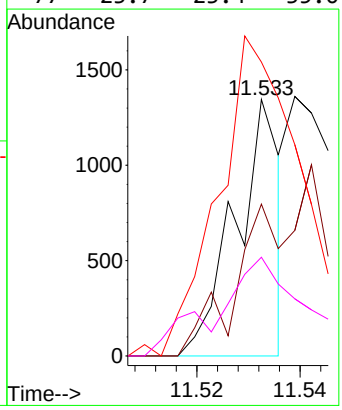


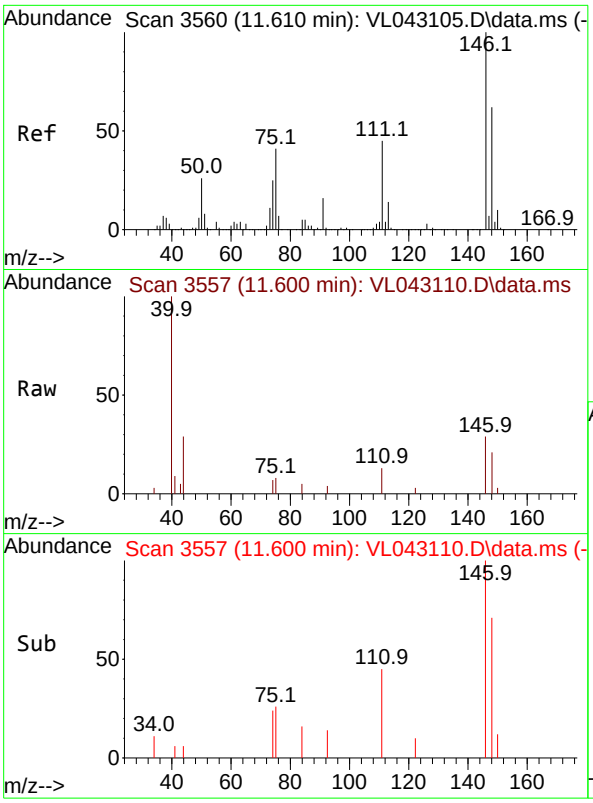


#74
1,2,4-Trimethylbenzene
Concen: 0.018 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:105 Resp: 806

Ion	Ratio	Lower	Upper
105	100		
120	59.2	42.8	64.2
91	98.1	68.3	102.5
77	23.7	23.4	35.0



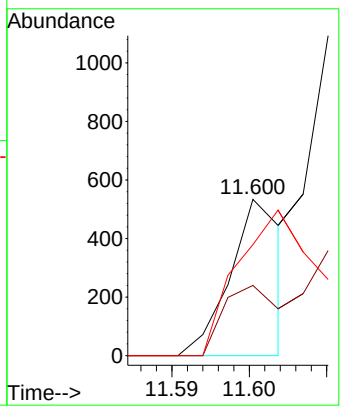


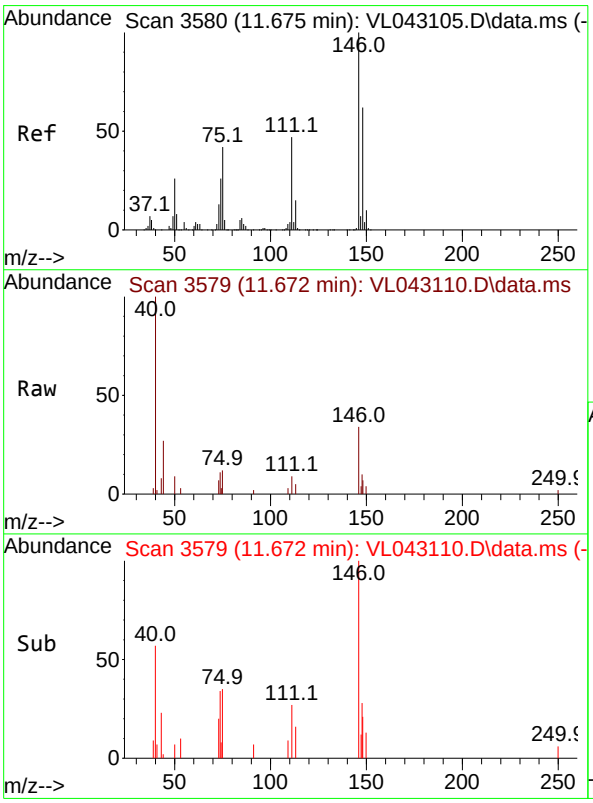
#75
1,3-Dichlorobenzene
Concen: 0.010 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 251

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.3	69.9#
148	222.3	31.6	95.0#

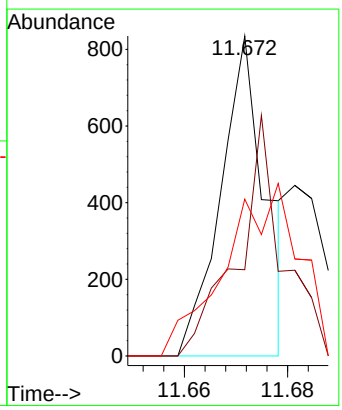


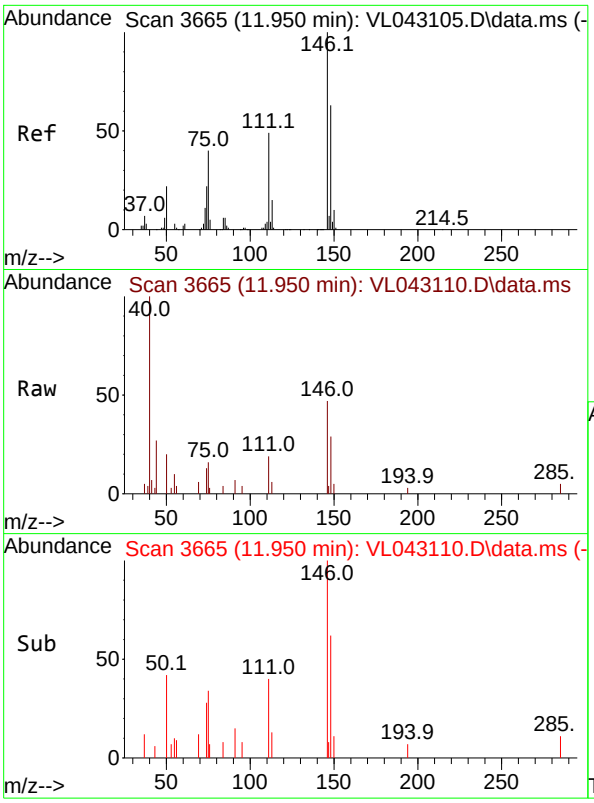


#76
1,4-Dichlorobenzene
Concen: 0.019 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:146 Resp: 504

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.4	67.0#
148	0.0	31.6	94.7#



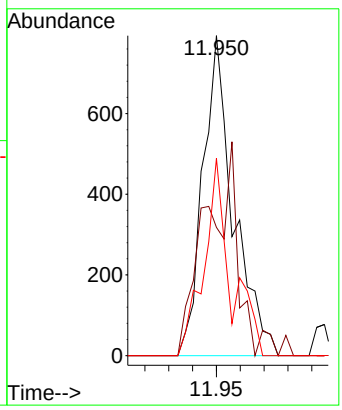


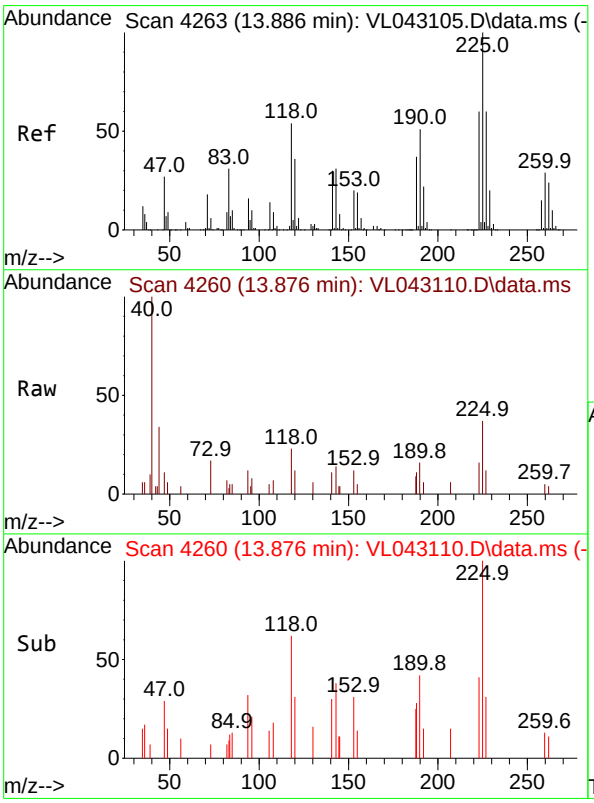
#77
1,2-Dichlorobenzene
Concen: 0.028 ppbv
RT: 11.950 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 709

Ion	Ratio	Lower	Upper
146	100		
111	71.2	24.0	72.0
148	53.5	31.1	93.3

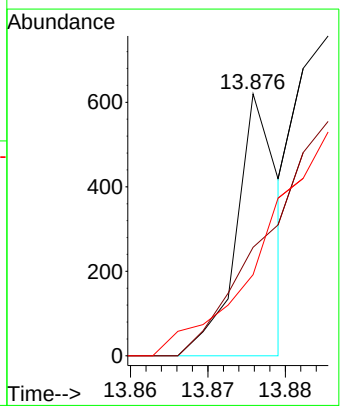


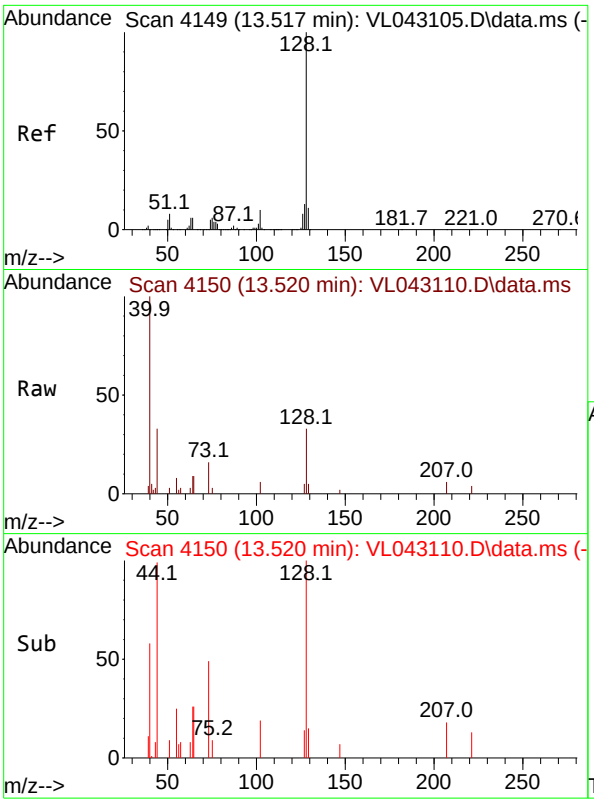


#78
Hexachloro-1,3-Butadiene
Concen: 0.012 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.010 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:225 Resp: 239

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.2	75.4#
227	0.0	49.6	74.4#



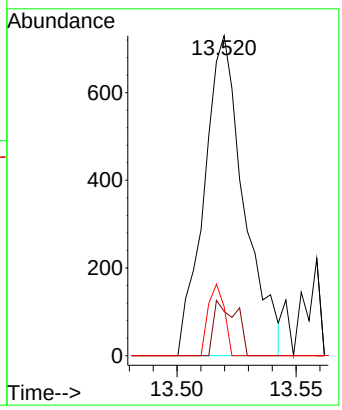


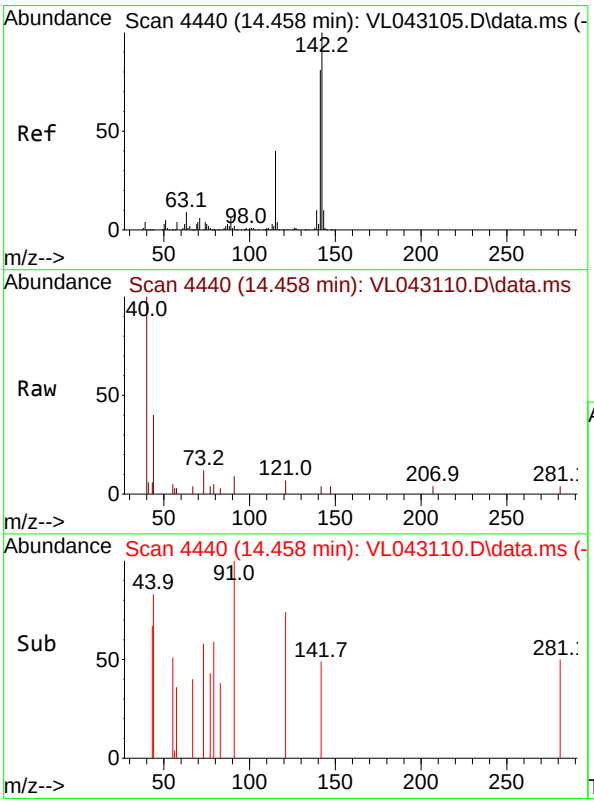
#79
Naphthalene
Concen: 0.018 ppbv
RT: 13.520 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:128 Resp: 851

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	15.3	9.1	13.7#

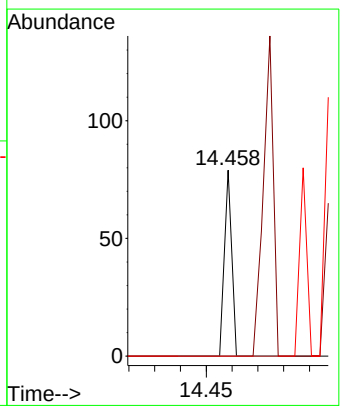


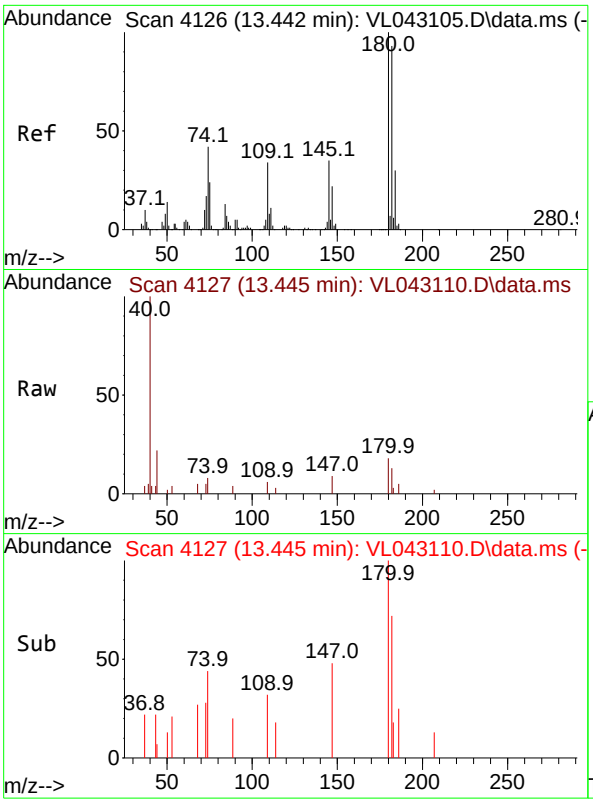


#80
Naphthalene,2-methyl-
Concen: 0.001 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:142 Resp: 15

Ion	Ratio	Lower	Upper
142	100		
141	546.7	64.6	97.0#
115	340.0	30.2	45.4#



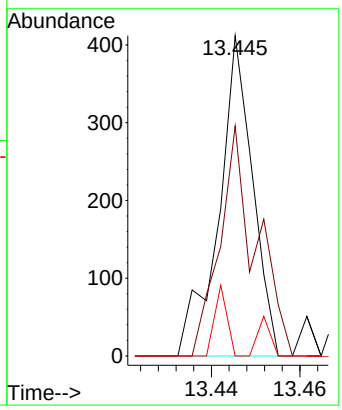


#81
1,2,4-Trichlorobenzene
Concen: 0.011 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:180 Resp: 219

Ion	Ratio	Lower	Upper
180	100		
182	76.7	75.5	113.3
184	12.8	23.9	35.9#



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

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

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

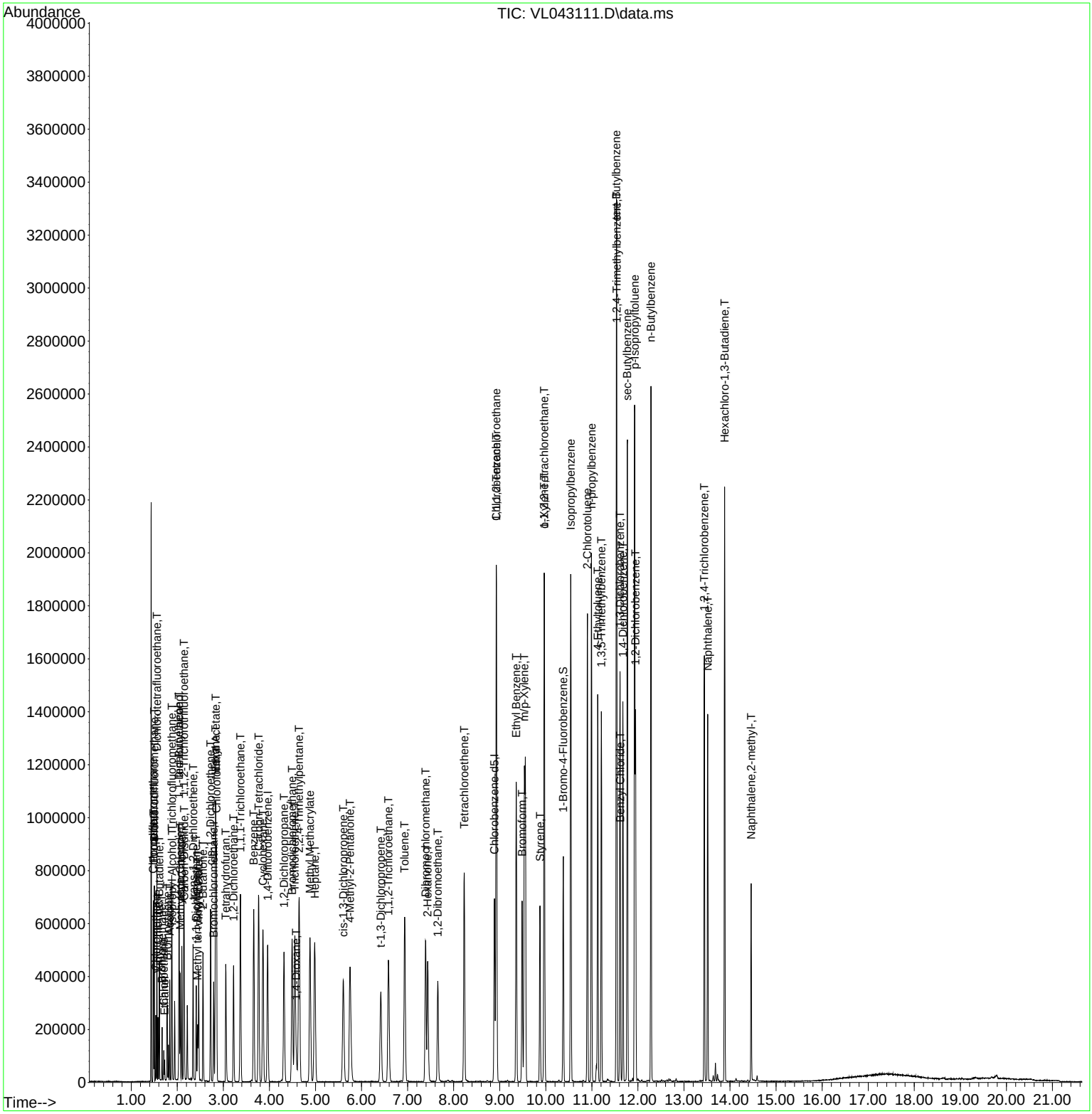
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	258355	14.018	ppbv		98
47) 1,1,2-Trichloroethane	6.583	97	163113	13.638	ppbv		94
48) Dibromochloromethane	7.393	129	280993	14.051	ppbv		100
49) Bromoform	9.487	173	230561	14.184	ppbv		100
50) 4-Methyl-2-Pentanone	5.748	43	401849	13.396	ppbv		100
51) 2-Hexanone	7.435	43	317288	14.176	ppbv	#	99
52) Tetrachloroethene	8.231	164	143954	13.177	ppbv		98
53) Toluene	6.936	91	483870	13.457	ppbv		100
54) 1,2-Dibromoethane	7.655	107	254024	13.461	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.927	131	250303	13.573	ppbv		99
57) Chlorobenzene	8.927	112	355301	12.983	ppbv		98
58) Ethyl Benzene	9.357	91	676918	13.375	ppbv		97
59) m/p-Xylene	9.535	91	626074	15.622	ppbv	#	29
60) o-Xylene	9.966	91	516660	13.063	ppbv		99
61) Styrene	9.875	104	247585	13.867	ppbv		99
62) Isopropylbenzene	10.542	105	931508	13.034	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	331423	12.515	ppbv		100
64) n-propylbenzene	10.992	120	241719	12.775	ppbv		96
65) tert-Butylbenzene	11.532	119	788234	12.490	ppbv		97
66) Benzyl Chloride	11.620	91	97114	13.778	ppbv		99
67) sec-Butylbenzene	11.769	105	1125489	12.566	ppbv		99
69) p-Isopropyltoluene	11.930	119	959206	12.602	ppbv		99
70) n-Butylbenzene	12.283	91	973466	12.979	ppbv		100
71) 2-Chlorotoluene	10.904	91	721827	13.242	ppbv		98
72) 4-Ethyltoluene	11.128	105	647315	13.310	ppbv		99
73) 1,3,5-Trimethylbenzene	11.205	105	534006	13.314	ppbv		98
74) 1,2,4-Trimethylbenzene	11.542	105	560932	12.498	ppbv	#	86
75) 1,3-Dichlorobenzene	11.610	146	339203	13.031	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	341936	13.027	ppbv		99
77) 1,2-Dichlorobenzene	11.950	146	318800	12.660	ppbv		99
78) Hexachloro-1,3-Butadiene	13.882	225	226294	11.606	ppbv		99
79) Naphthalene	13.516	128	661098	14.260	ppbv		99
80) Naphthalene,2-methyl-	14.458	142	212784	17.384	ppbv		98
81) 1,2,4-Trichlorobenzene	13.442	180	266712	13.698	ppbv		100

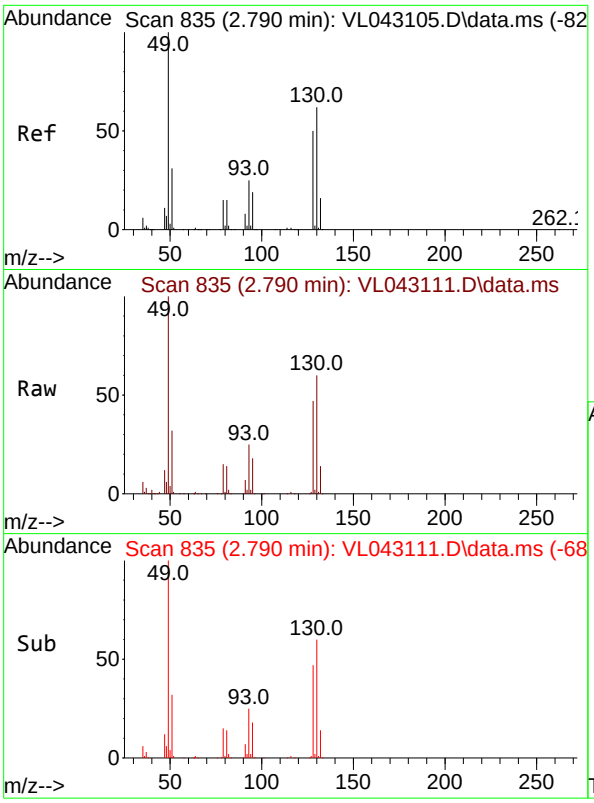
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Oct 15 01:55:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration



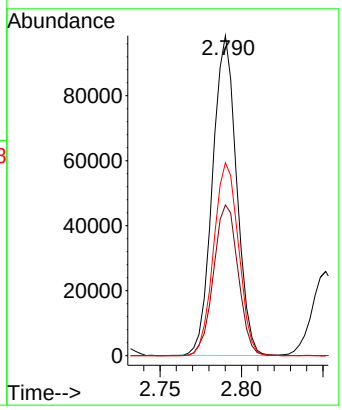


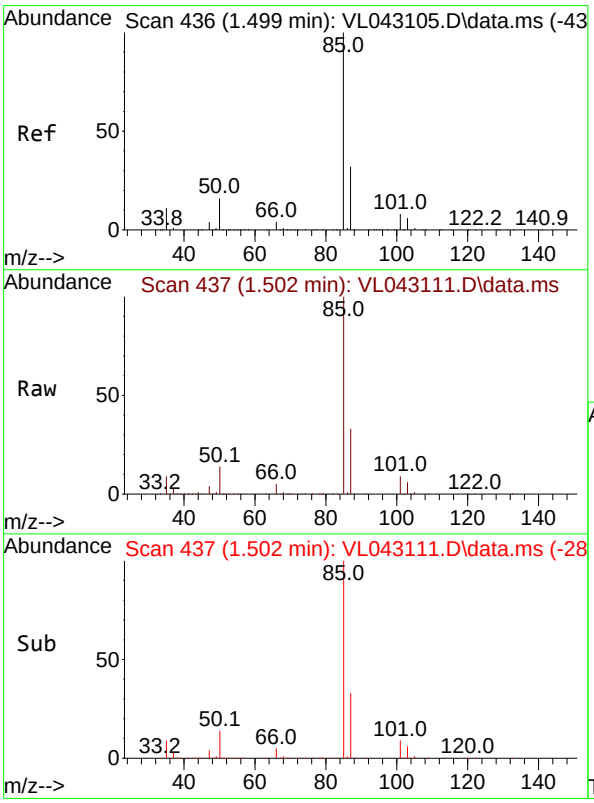
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 100858

Ion	Ratio	Lower	Upper
49	100		
128	48.4	24.4	73.4
130	62.4	31.0	93.0

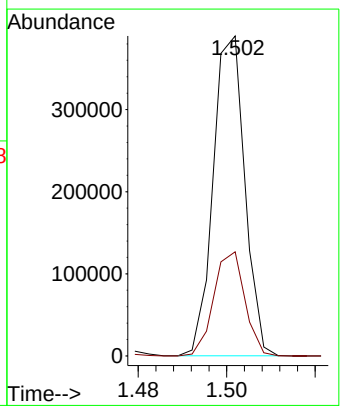


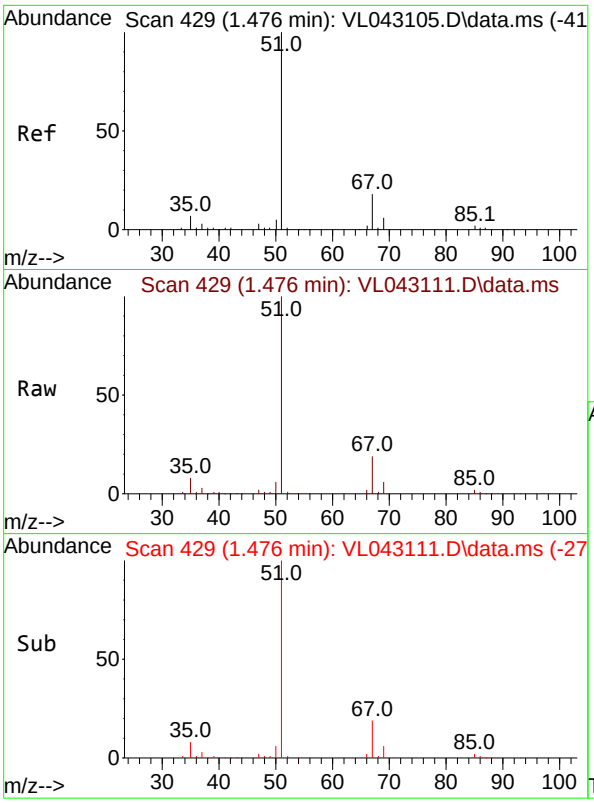


#2
Dichlorodifluoromethane
Concen: 13.485 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 85 Resp: 193353

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.3	37.9



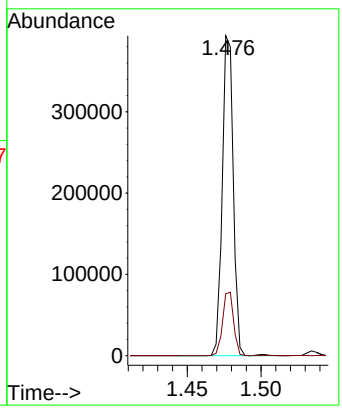


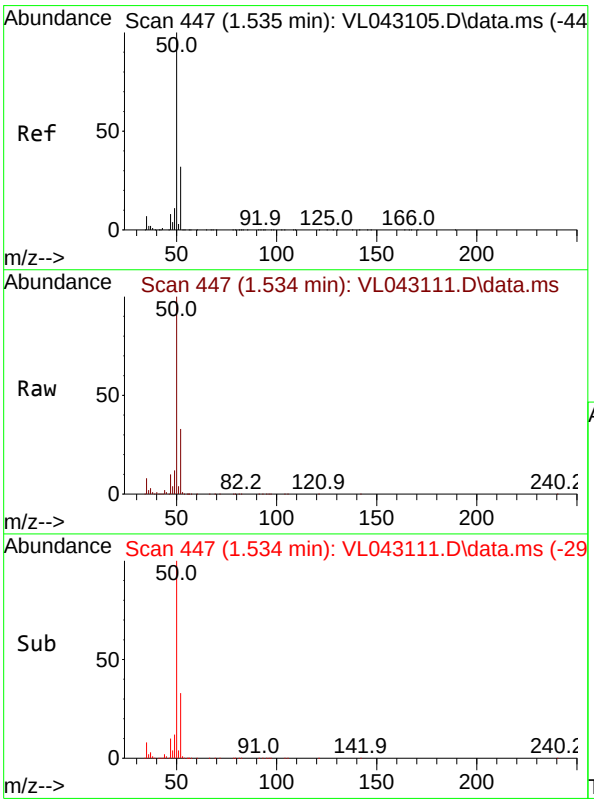
#3
Chlorodifluoromethane
Concen: 13.255 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 205650

Ion	Ratio	Lower	Upper
51	100		
67	20.0	15.1	22.7

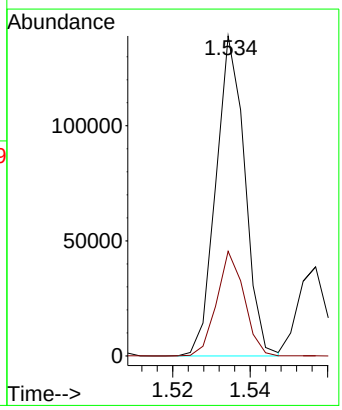


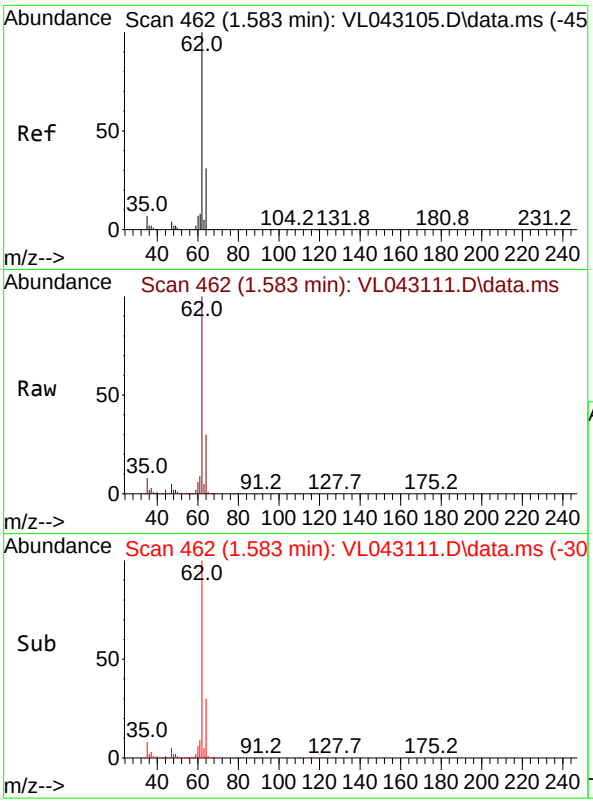


#4
Chloromethane
Concen: 12.695 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 50 Resp: 72111

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.2	37.8



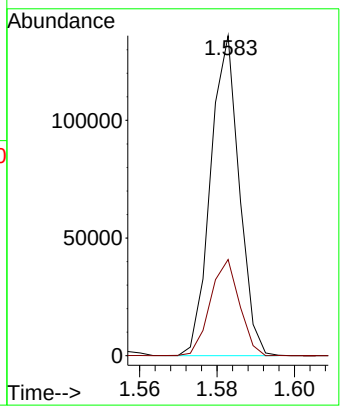


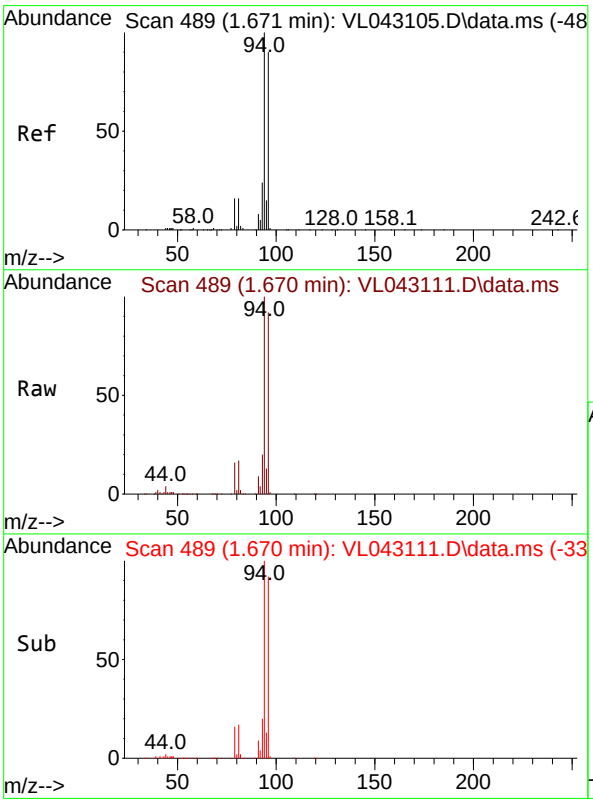
#5
Vinyl Chloride
Concen: 12.548 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 69909

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.6	36.8

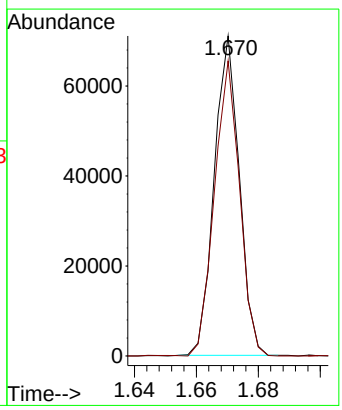


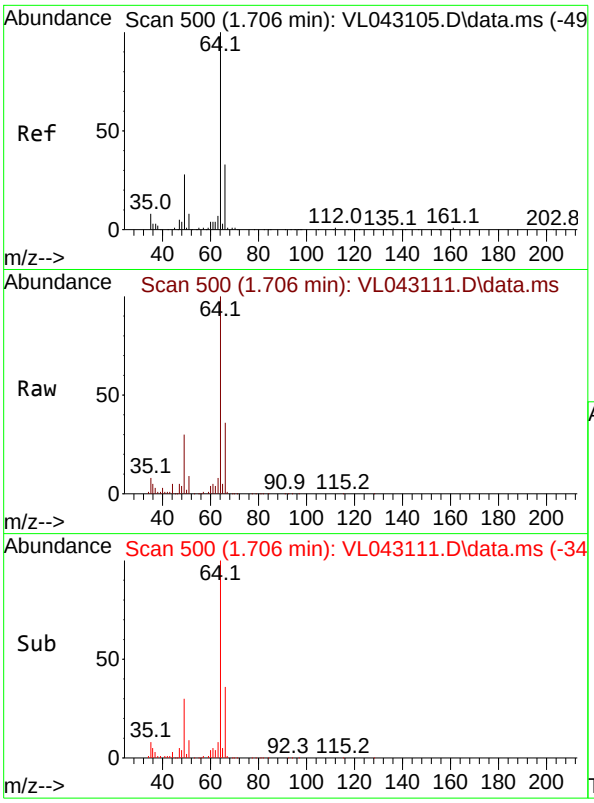


#6
Bromomethane
Concen: 13.013 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 94 Resp: 39756

Ion	Ratio	Lower	Upper
94	100		
96	92.4	72.2	108.4



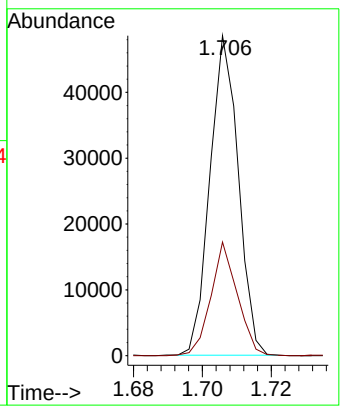


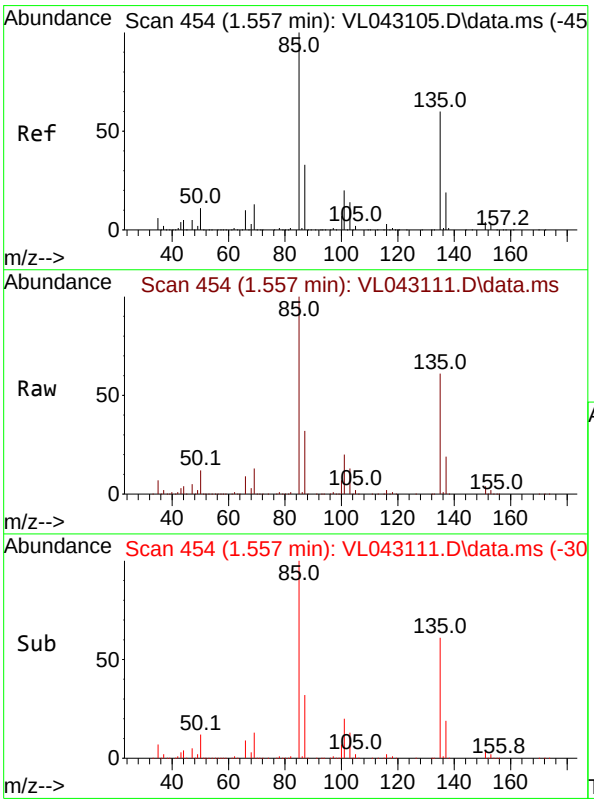
#7
Chloroethane
Concen: 12.164 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 27709

Ion	Ratio	Lower	Upper
64	100		
66	35.5	26.0	39.0

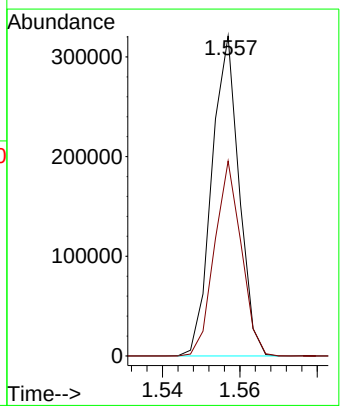


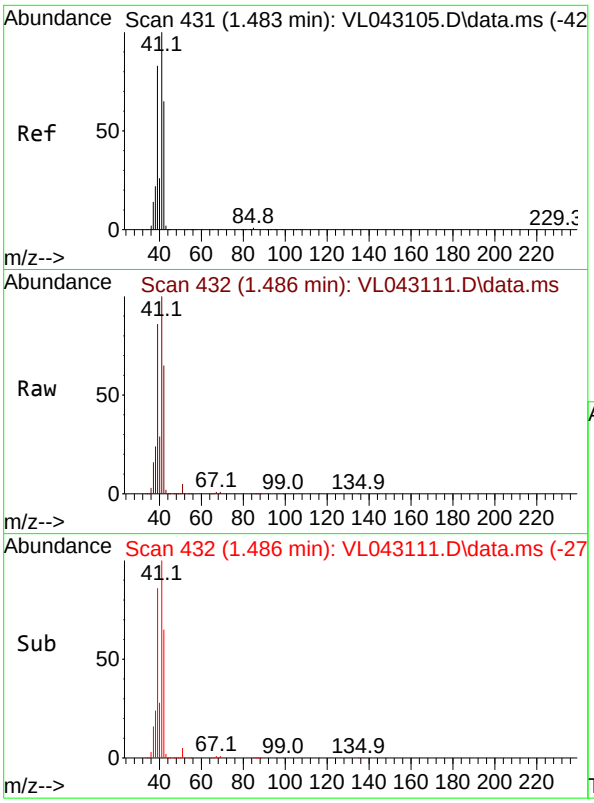


#8
Dichlorotetrafluoroethane
Concen: 13.526 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 85 Resp: 156753

Ion	Ratio	Lower	Upper
85	100		
135	60.1	48.2	72.4



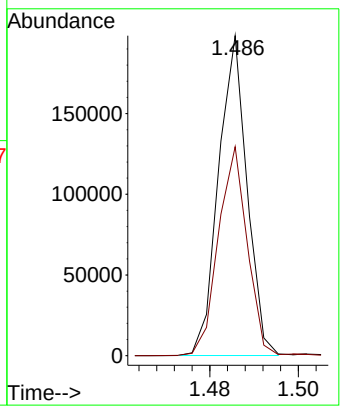


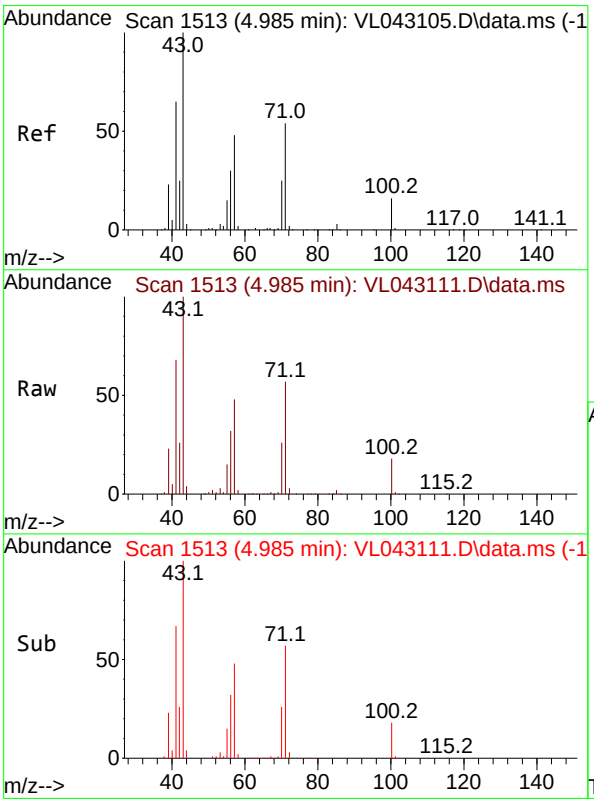
#9
Propene
Concen: 12.854 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 88451

Ion	Ratio	Lower	Upper
41	100		
42	67.2	55.1	82.7

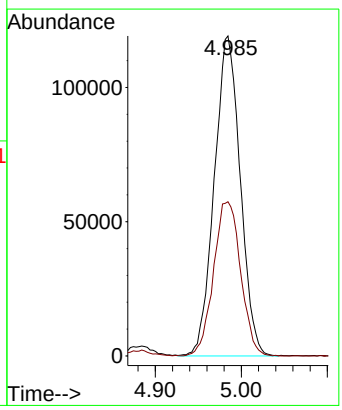


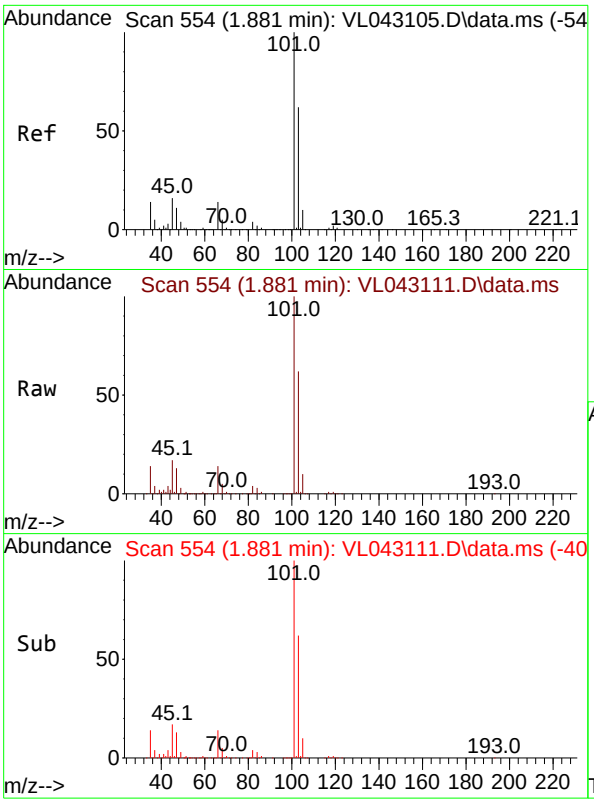


#10
Heptane
Concen: 12.658 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 43 Resp: 249682

Ion	Ratio	Lower	Upper
43	100		
57	50.3	40.8	61.2



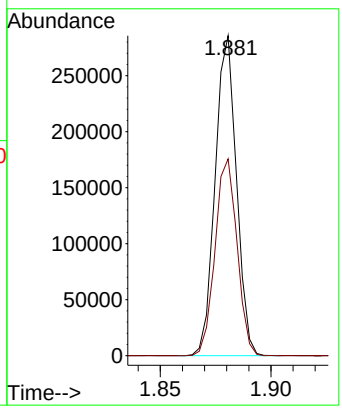


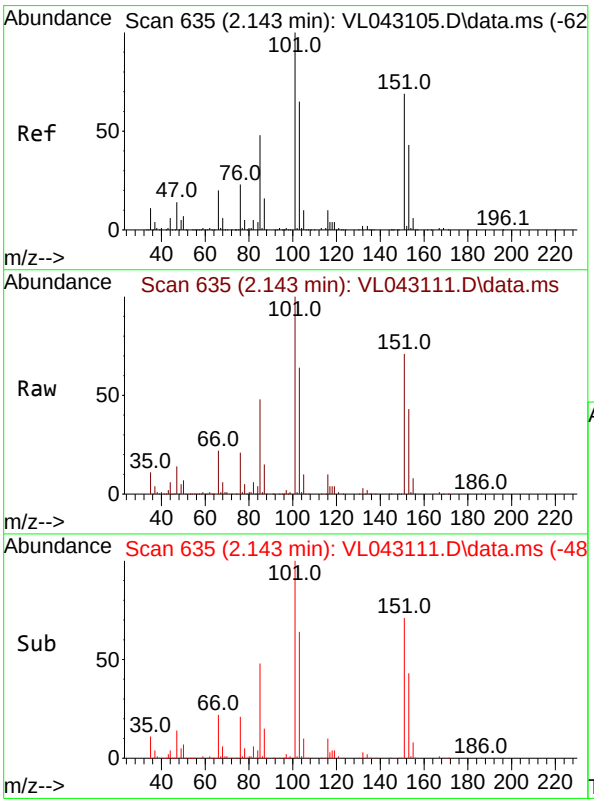
#11
Trichlorofluoromethane
Concen: 13.640 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 191307

Ion	Ratio	Lower	Upper
101	100		
103	61.5	49.3	73.9

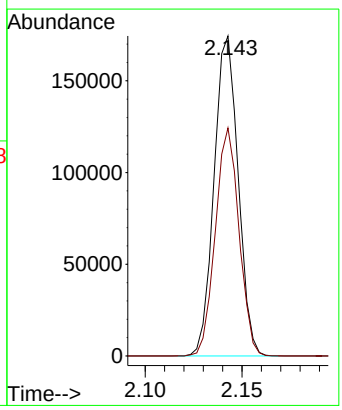


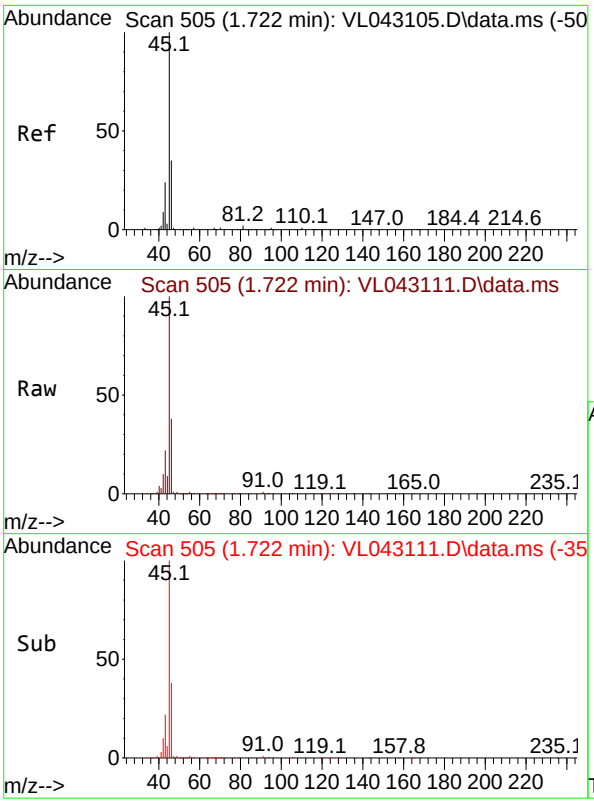


#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.341 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:101 Resp: 150640

Ion	Ratio	Lower	Upper
101	100		
151	70.0	54.7	82.1



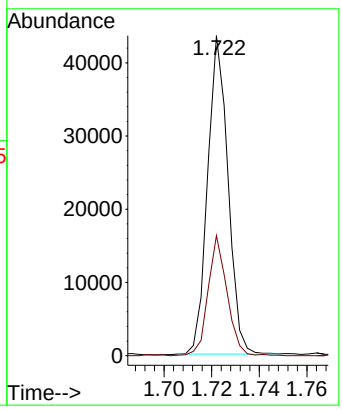


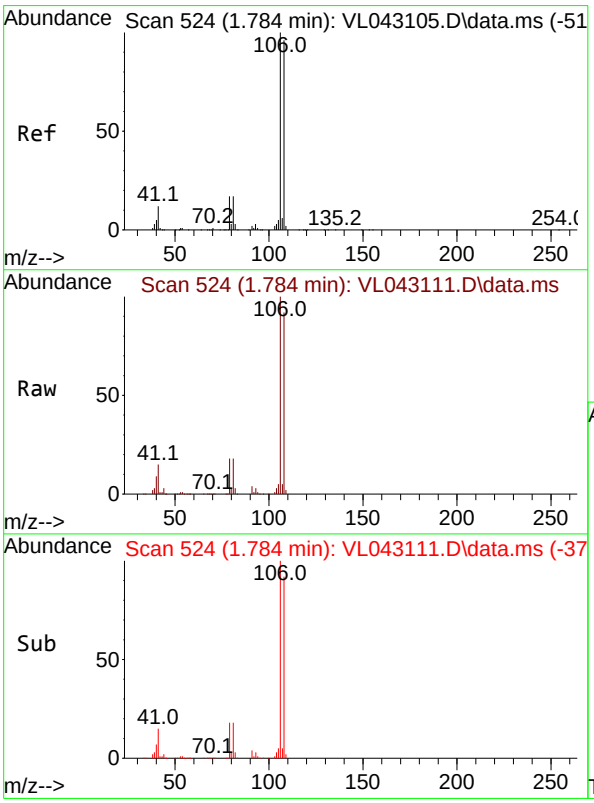
#13
Ethanol
Concen: 10.148 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 25828

Ion	Ratio	Lower	Upper
45	100		
46	35.5	14.7	58.9

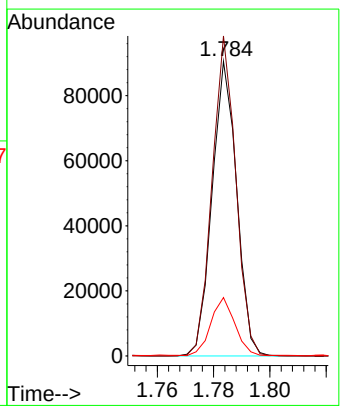


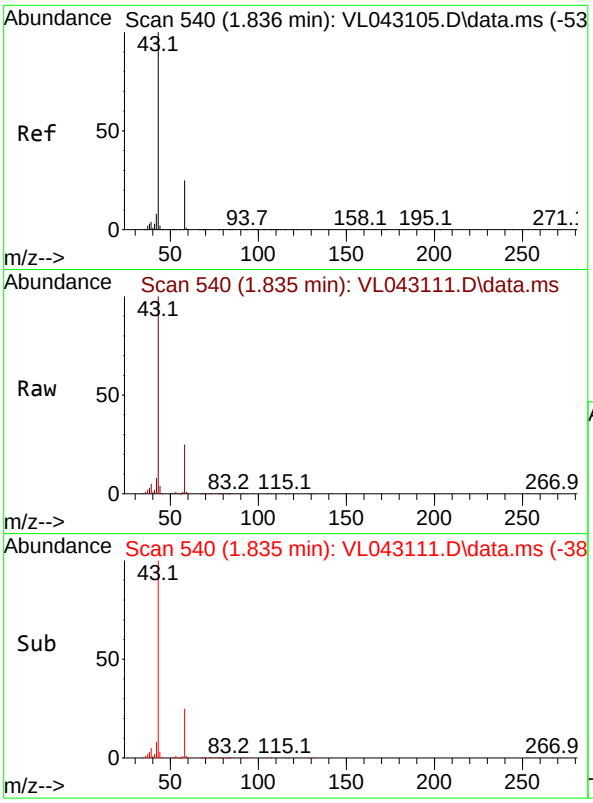


#14
Bromoethene
Concen: 13.068 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:108 Resp: 54818

Ion	Ratio	Lower	Upper
108	100		
106	104.9	84.4	126.6
79	20.2	15.3	22.9



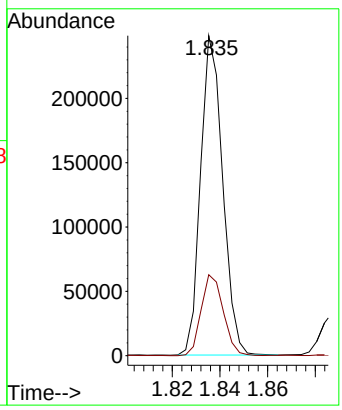


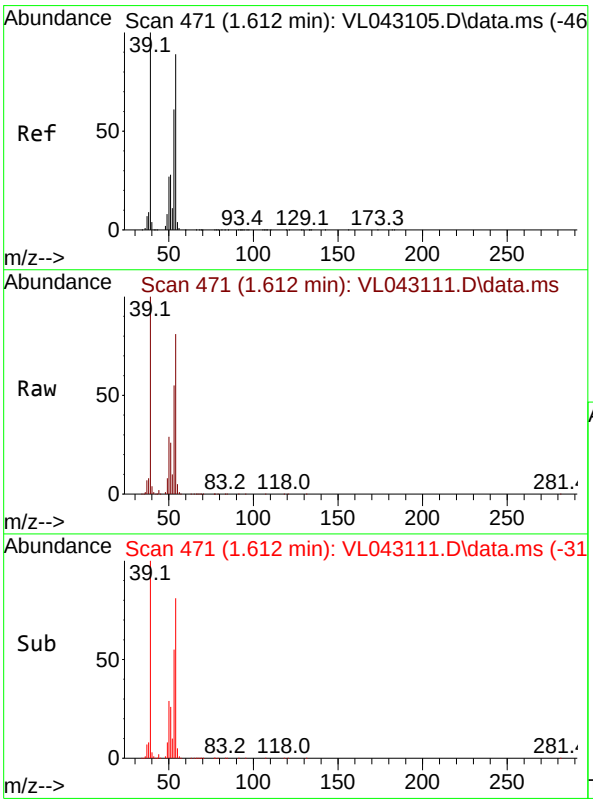
#15
Acetone
Concen: 11.710 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 160069

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.8	31.2

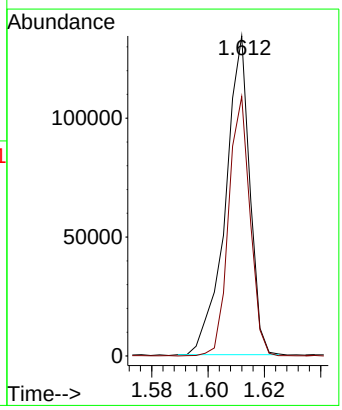


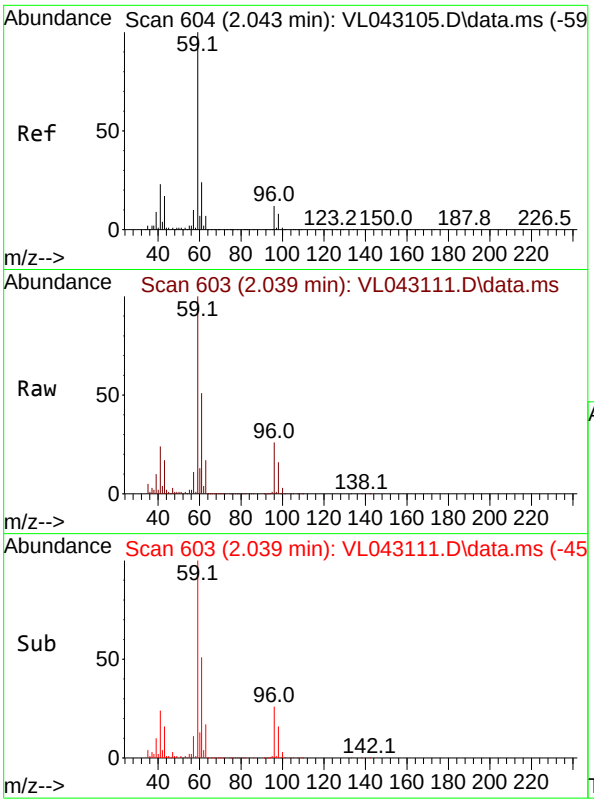


#16
1,3-Butadiene
Concen: 12.411 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 39 Resp: 80403

Ion	Ratio	Lower	Upper
39	100		
54	71.8	59.0	88.4



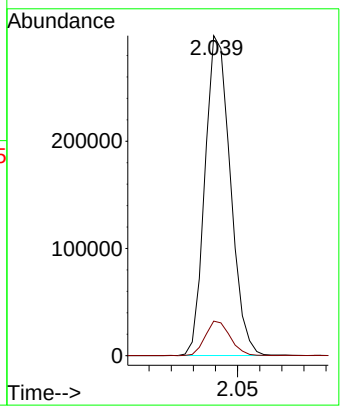


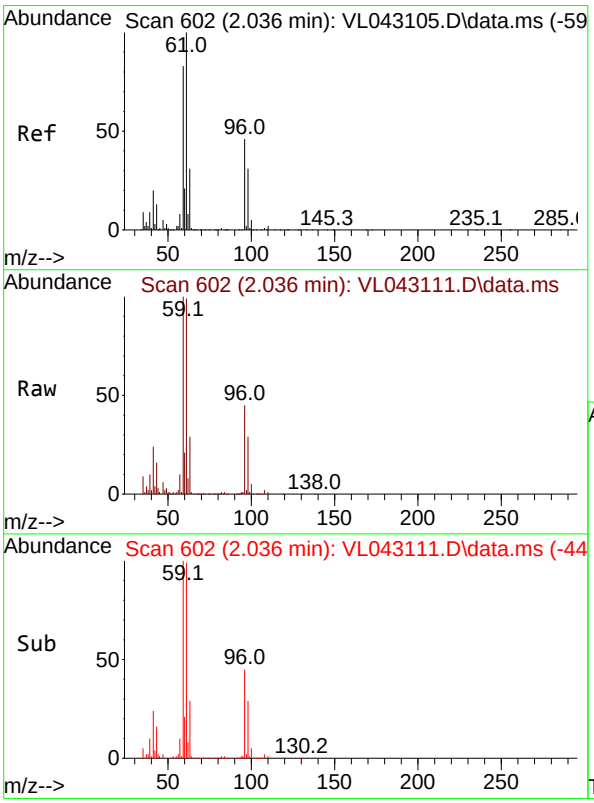
#17
tert-Butyl alcohol
Concen: 12.735 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 237633

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

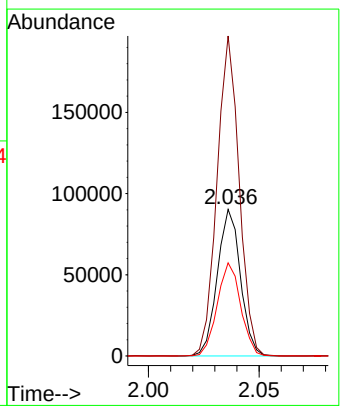


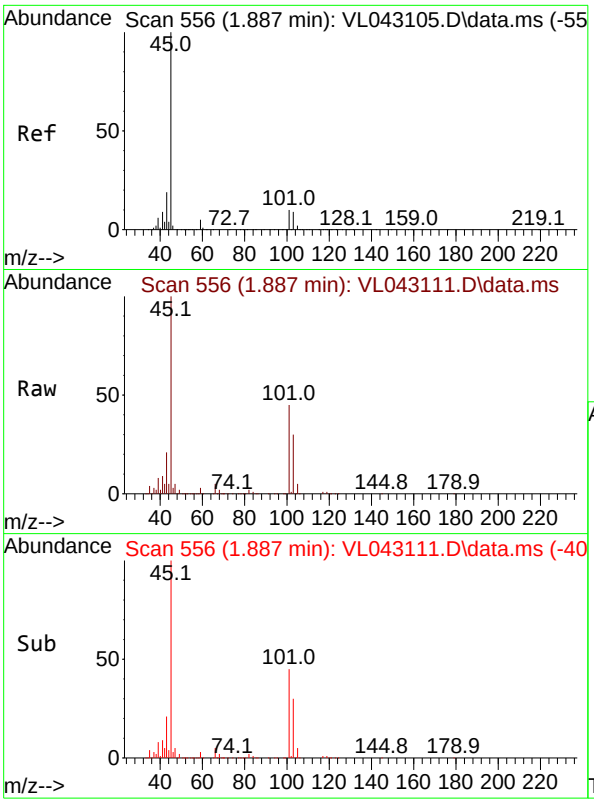


#18
1,1-Dichloroethene
Concen: 13.333 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 96 Resp: 65634

Ion	Ratio	Lower	Upper
96	100		
61	218.2	173.4	260.0
98	63.5	53.2	79.8



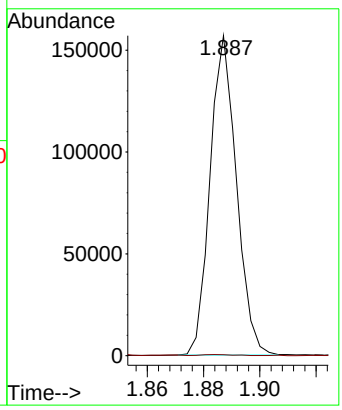


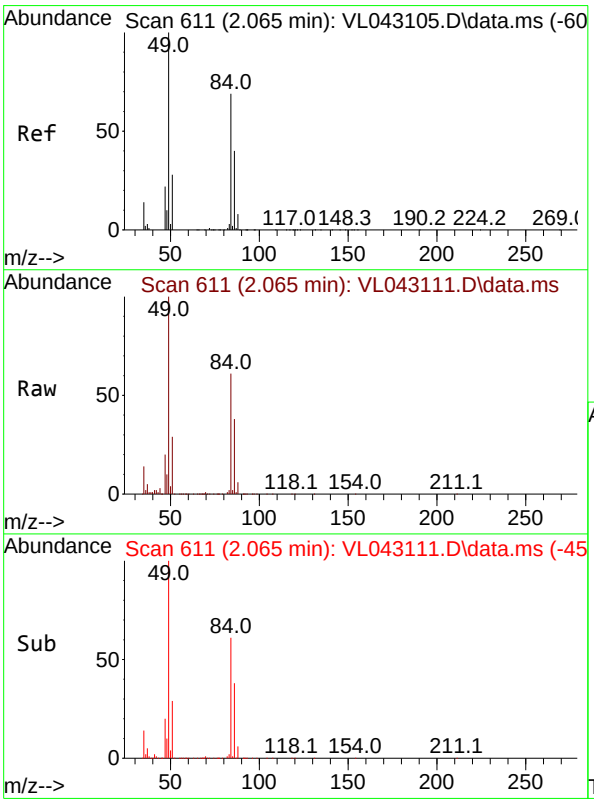
#19
Isopropyl Alcohol
Concen: 12.051 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 102035

Ion	Ratio	Lower	Upper
45	100		
58	40.2	31.3	46.9

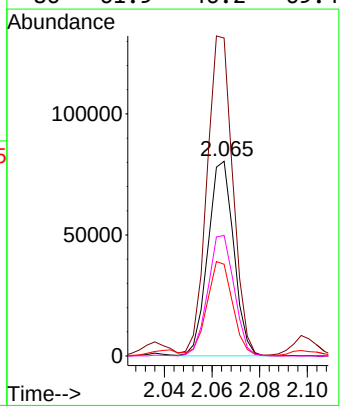


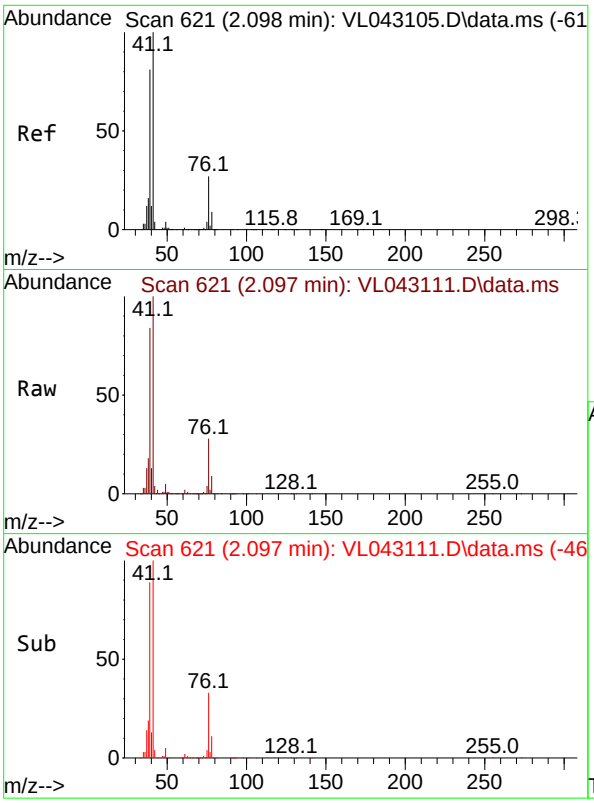


#20
Methylene Chloride
Concen: 11.268 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 84 Resp: 60549

Ion	Ratio	Lower	Upper
84	100		
49	162.4	116.6	175.0
51	46.6	34.8	52.2
86	61.9	46.2	69.4



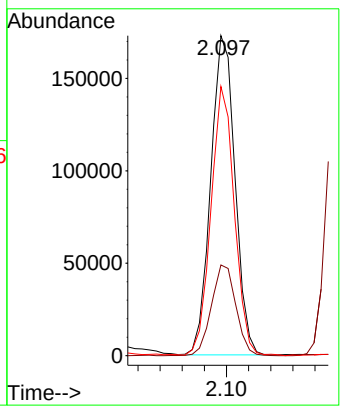


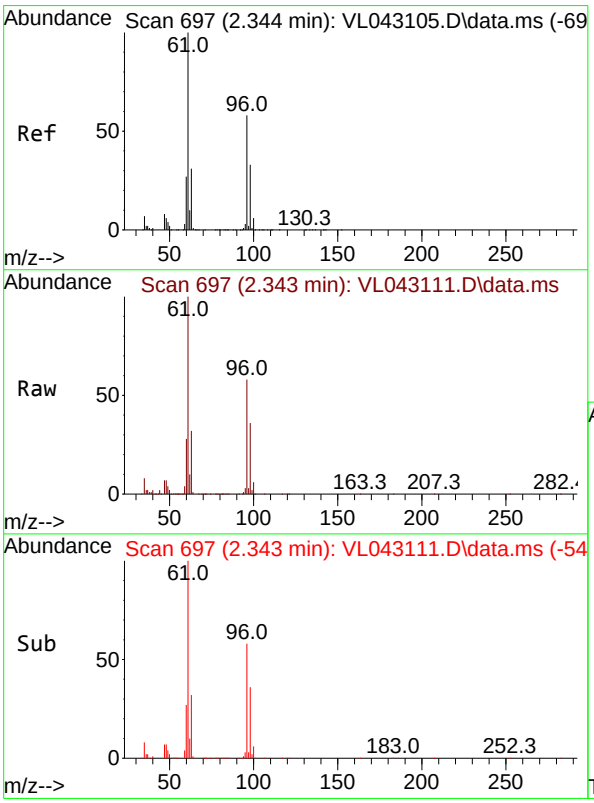
#21
Allyl Chloride
Concen: 13.105 ppbv
RT: 2.097 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 131539

Ion	Ratio	Lower	Upper
41	100		
76	28.8	21.5	32.3
39	80.9	60.8	91.2

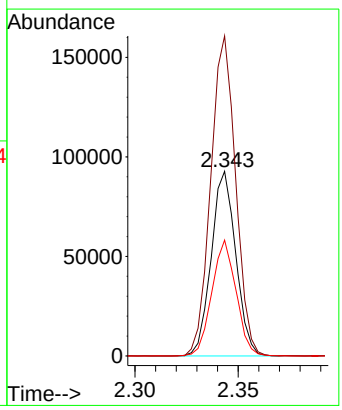


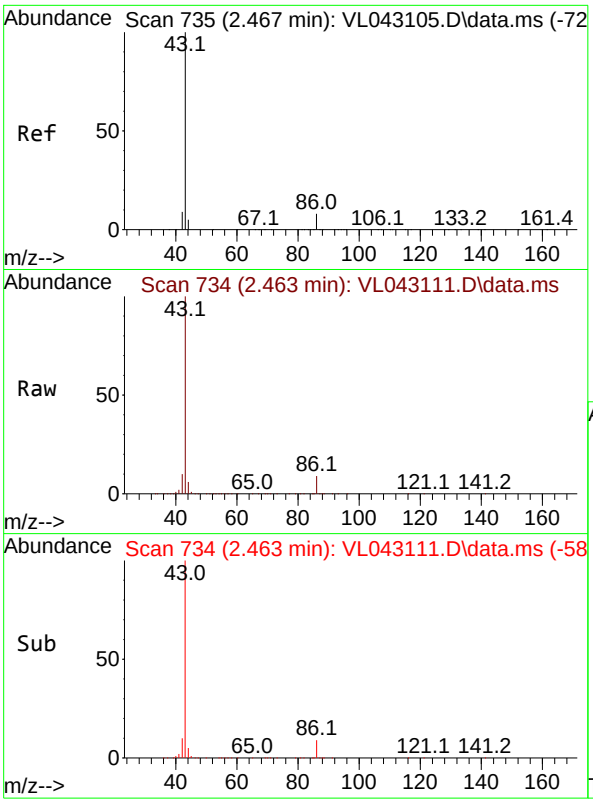


#22
trans-1,2-Dichloroethene
Concen: 13.048 ppbv
RT: 2.343 min Scan# 697
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 96 Resp: 76780

Ion	Ratio	Lower	Upper
96	100		
61	173.2	137.0	205.6
98	62.8	45.5	68.3



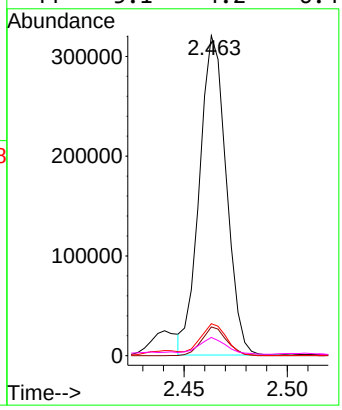


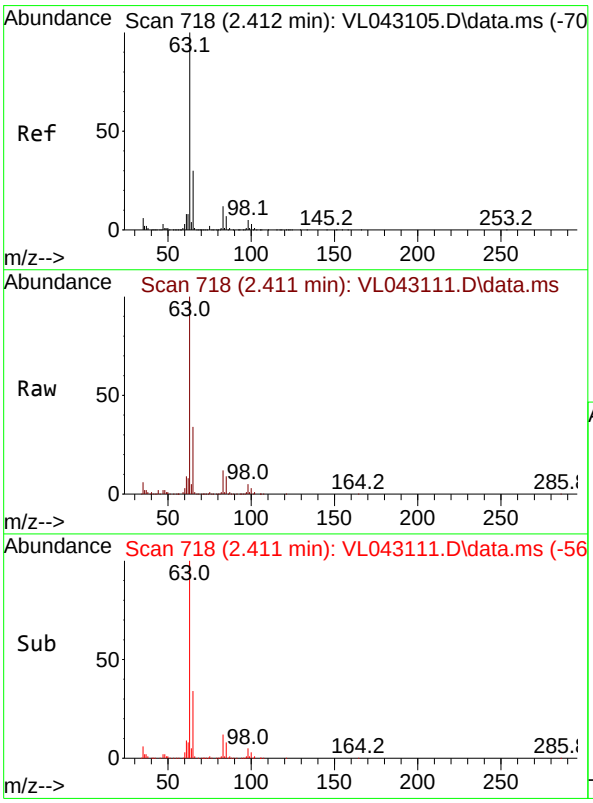
#23
Vinyl Acetate
Concen: 14.476 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 288274

Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.2	9.2
42	10.0	7.6	11.4
44	5.1	4.2	6.4

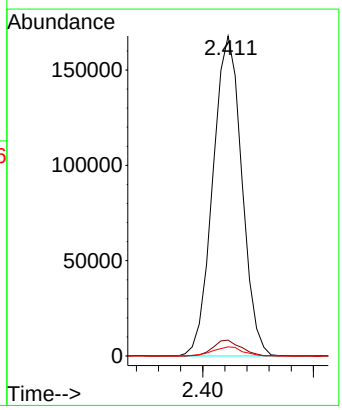


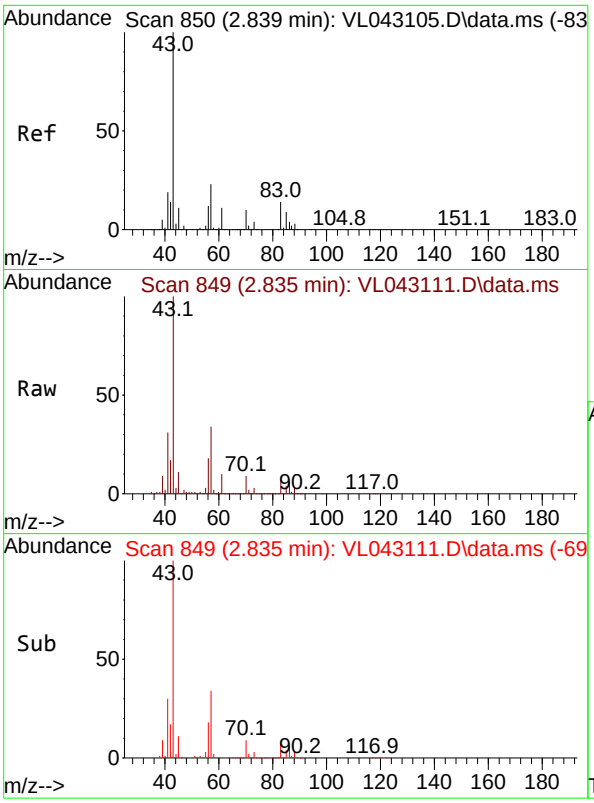


#24
1,1-Dichloroethane
Concen: 13.428 ppbv
RT: 2.411 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 63 Resp: 152663

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	2.8	1.5	4.4



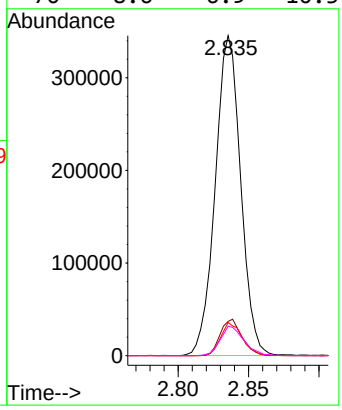


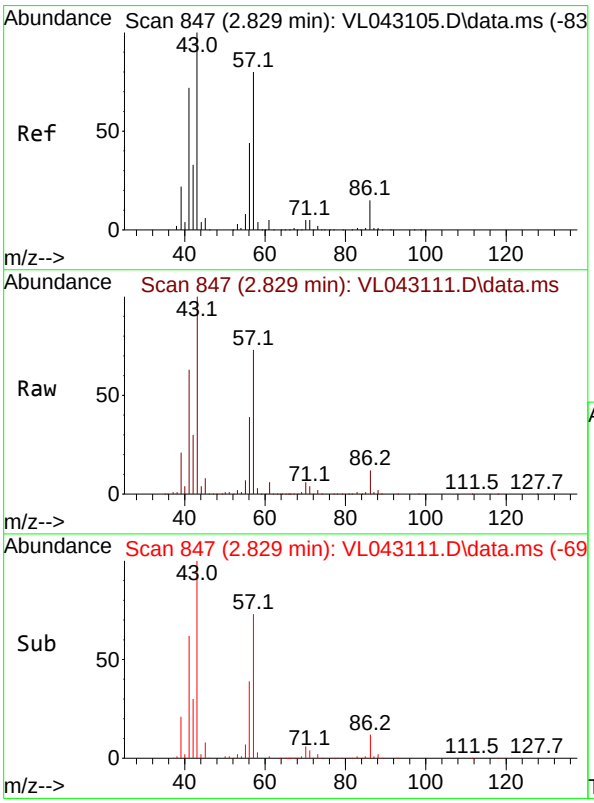
#25
Ethyl Acetate
Concen: 12.884 ppbv
RT: 2.835 min Scan# 84
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 434350

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	8.9	7.0	10.6
70	8.6	6.9	10.3

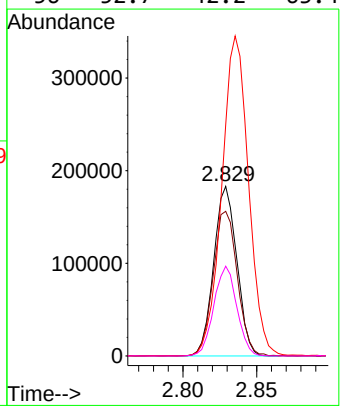


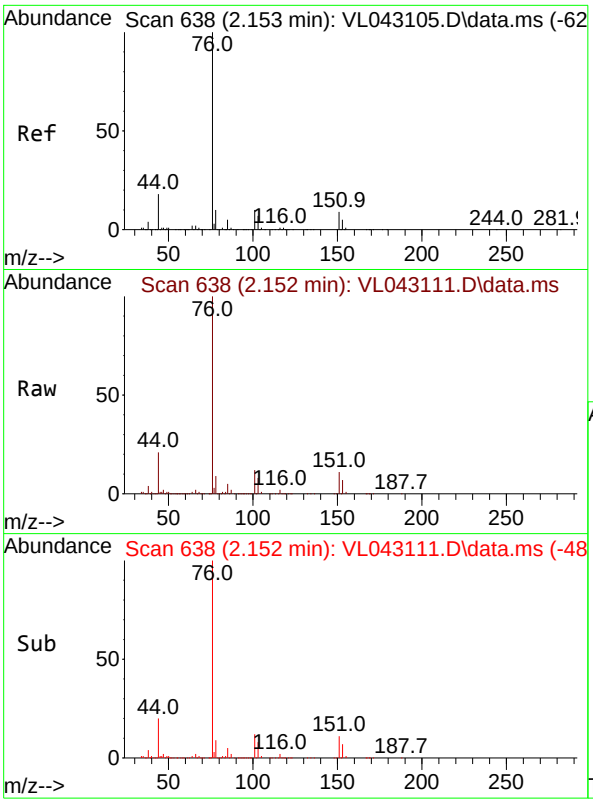


#26
Hexane
Concen: 12.836 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 57 Resp: 199384

Ion	Ratio	Lower	Upper
57	100		
41	89.9	71.4	107.0
43	218.2	178.5	267.7
56	52.7	42.2	63.4



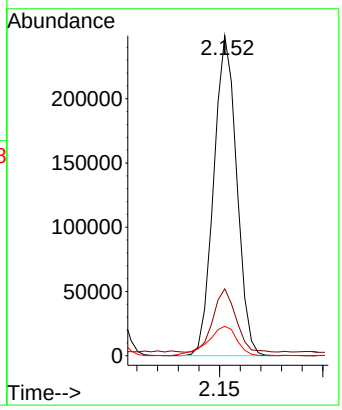


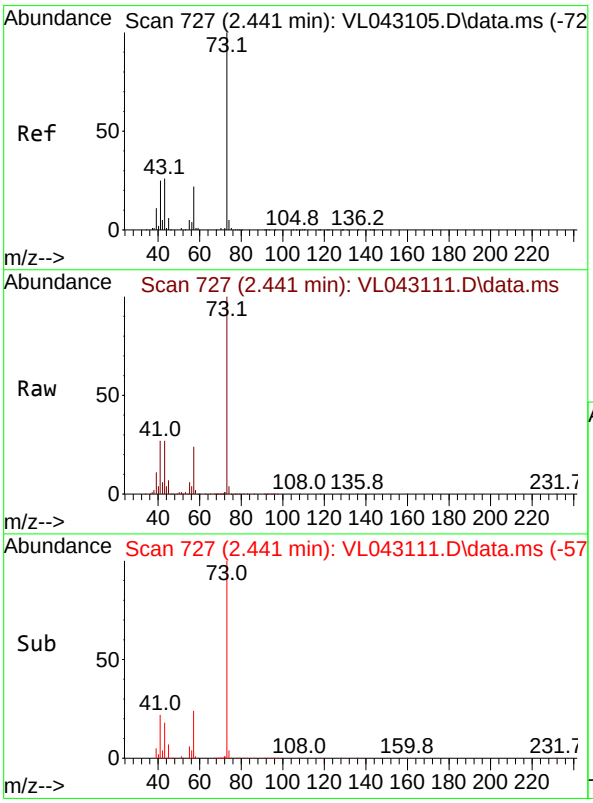
#27
Carbon Disulfide
Concen: 13.522 ppbv
RT: 2.152 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 192452

Ion	Ratio	Lower	Upper
76	100		
44	20.6	16.7	25.1
78	11.6	9.3	13.9

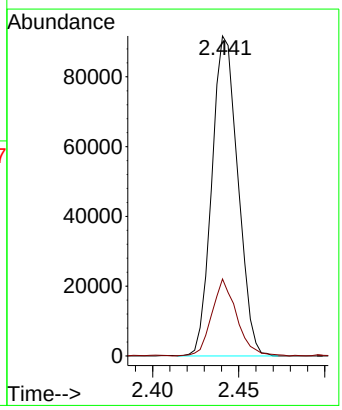


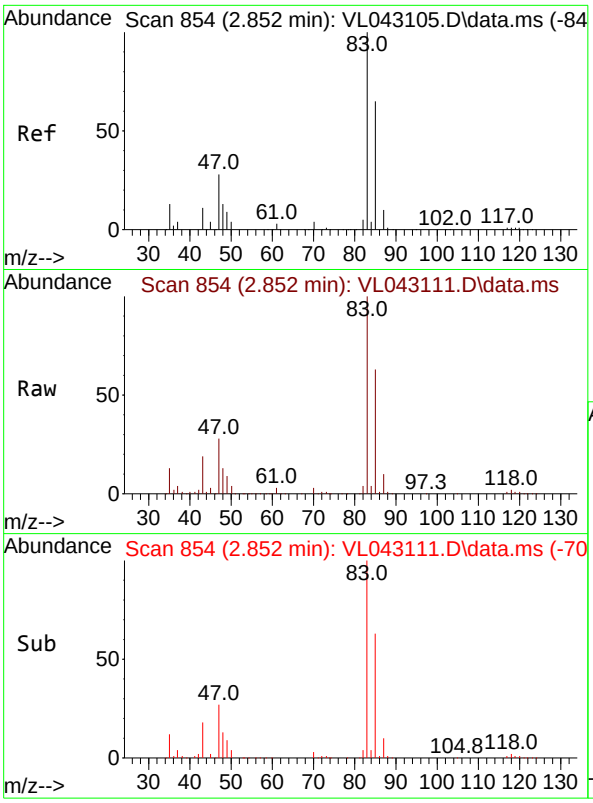


#28
Methyl tert-Butyl Ether
Concen: 13.650 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 73 Resp: 96464

Ion	Ratio	Lower	Upper
73	100		
57	22.7	20.5	30.7



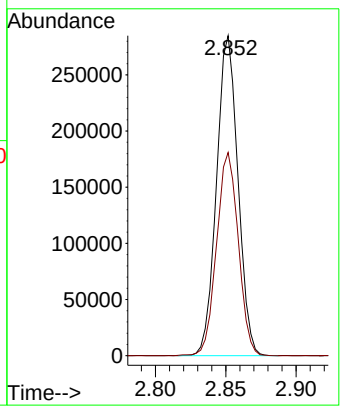


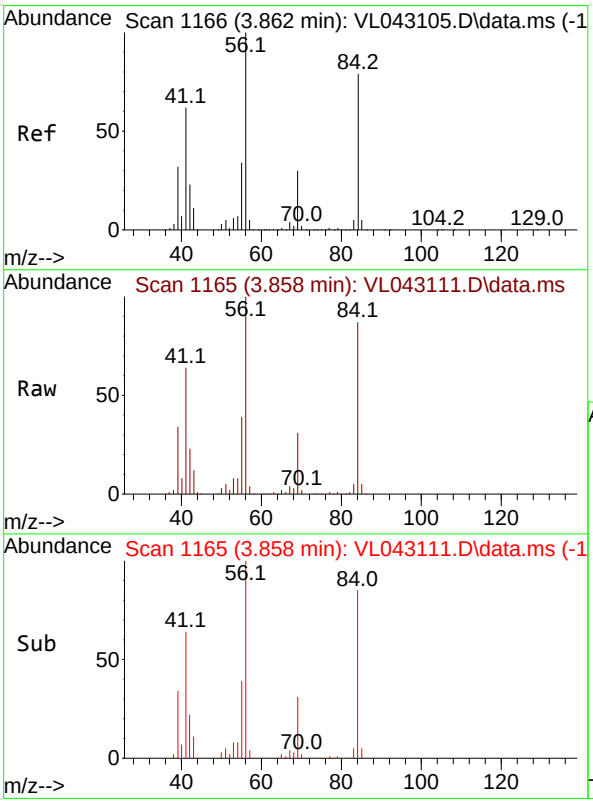
#29
Chloroform
Concen: 13.425 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 302154

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6

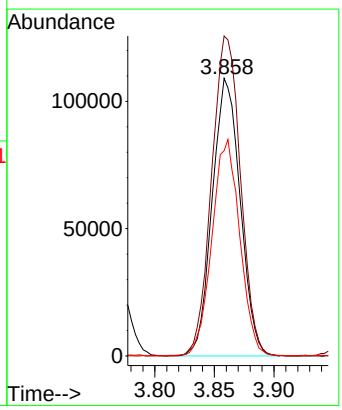


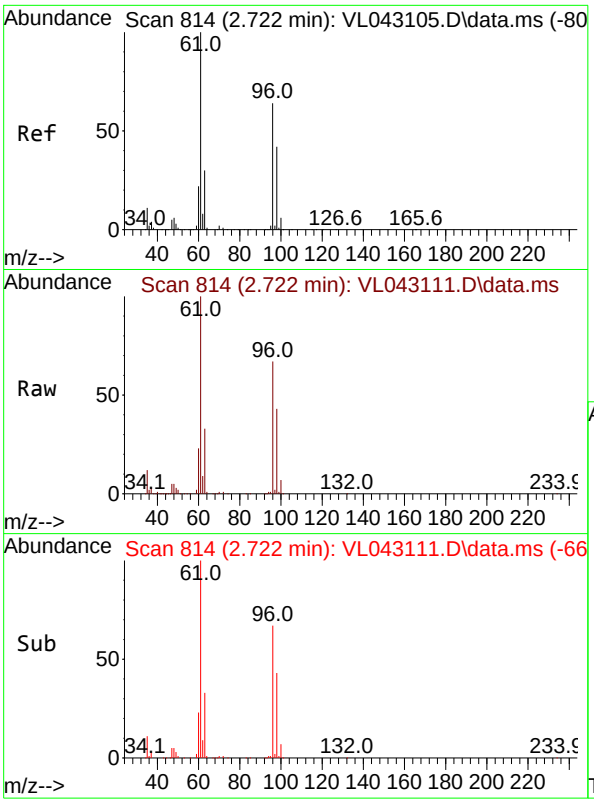


#30
Cyclohexane
Concen: 13.133 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 84 Resp: 177947

Ion	Ratio	Lower	Upper
84	100		
56	119.1	100.9	151.3
41	77.3	63.8	95.6



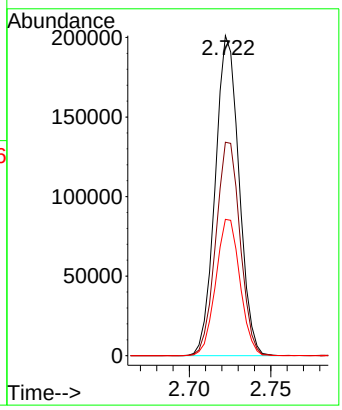


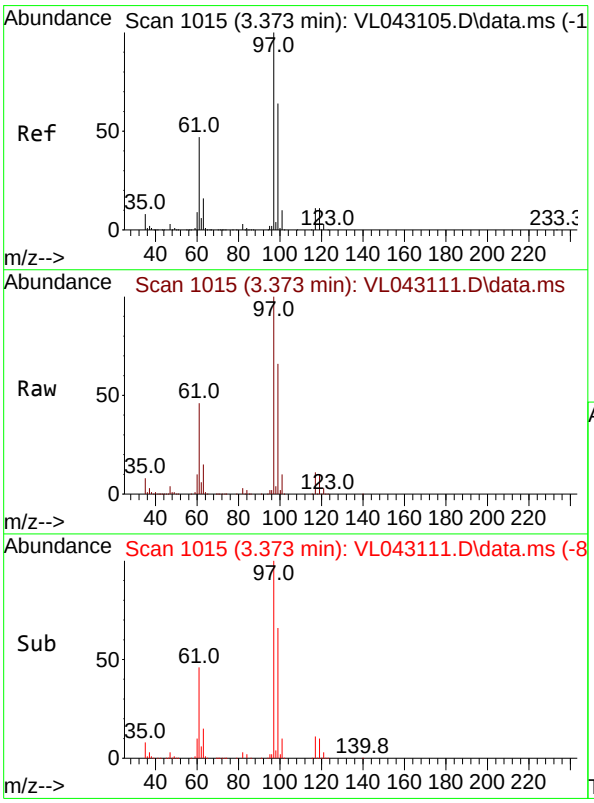
#31
cis-1,2-Dichloroethene
Concen: 13.745 ppbv
RT: 2.722 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 203888

Ion	Ratio	Lower	Upper
61	100		
96	66.7	51.0	76.6
98	42.6	33.5	50.3

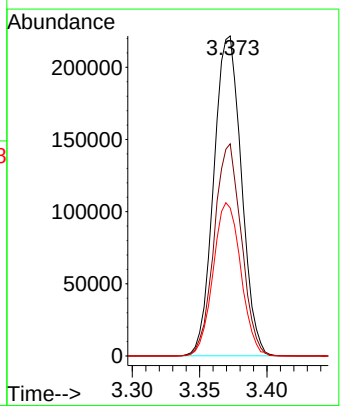


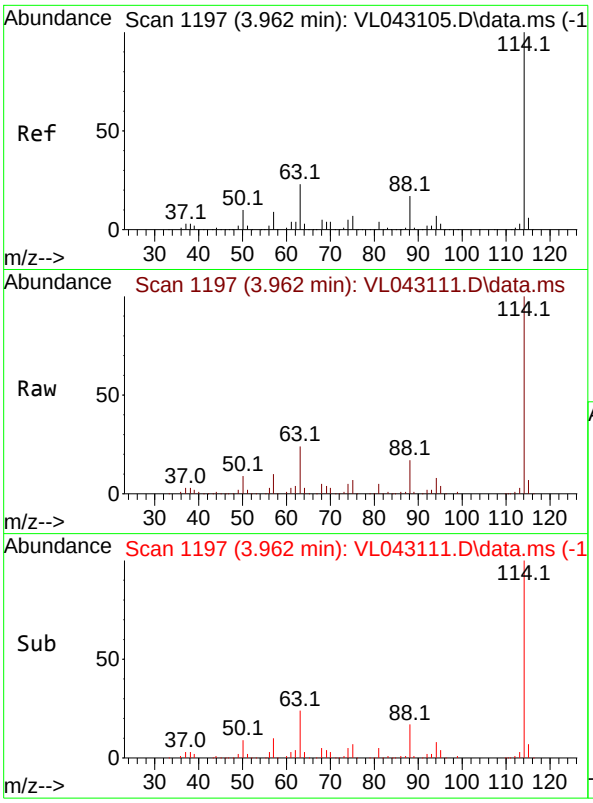


#32
1,1,1-Trichloroethane
Concen: 13.500 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 97 Resp: 316442

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	48.0	38.4	57.6



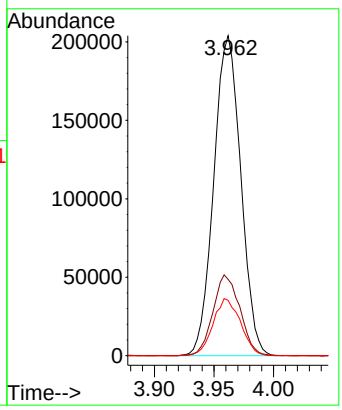


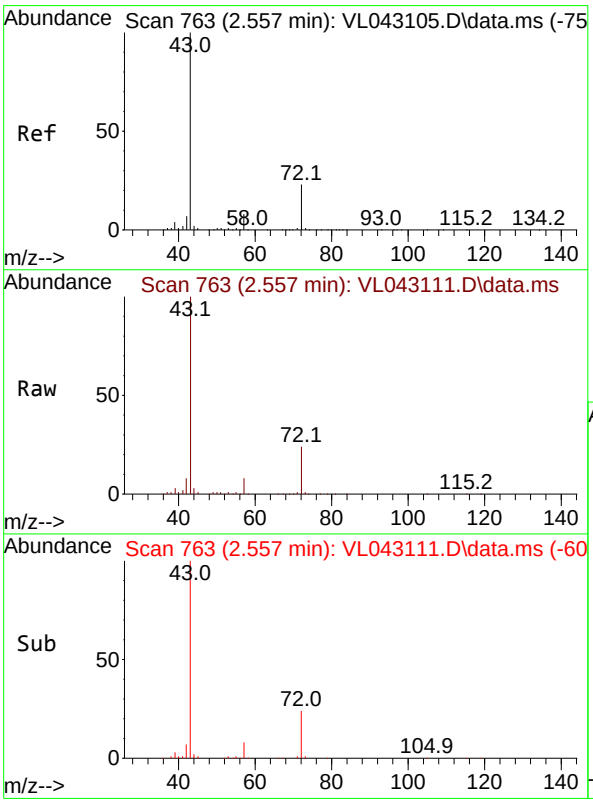
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 321665

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.3	28.9
88	18.1	13.9	20.9

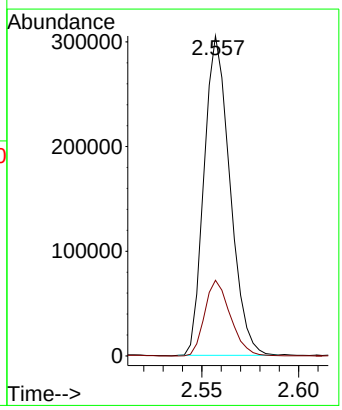


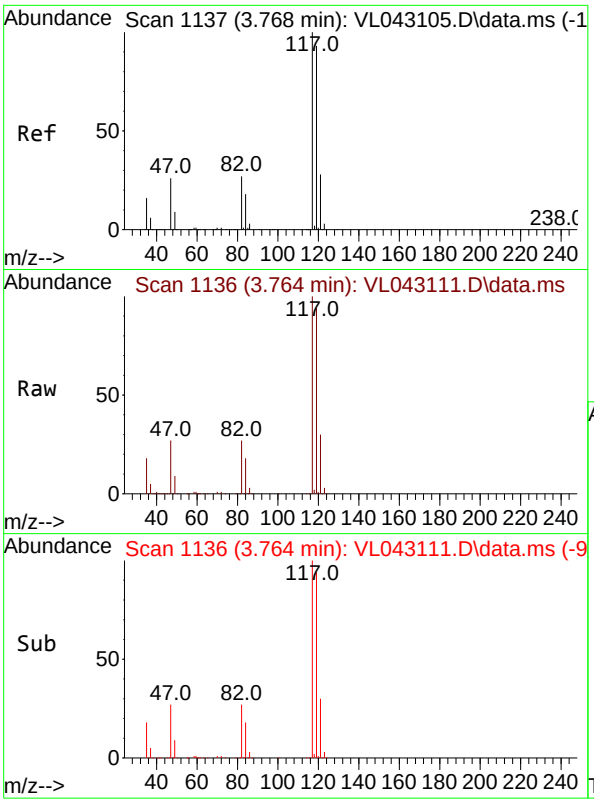


#34
2-Butanone
Concen: 13.020 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 43 Resp: 283134

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.4	27.6



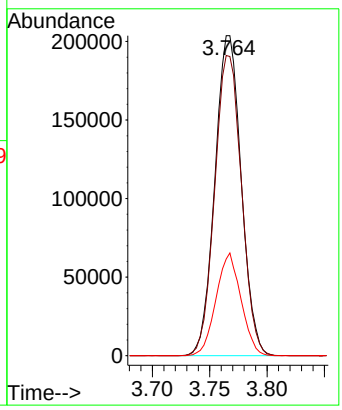


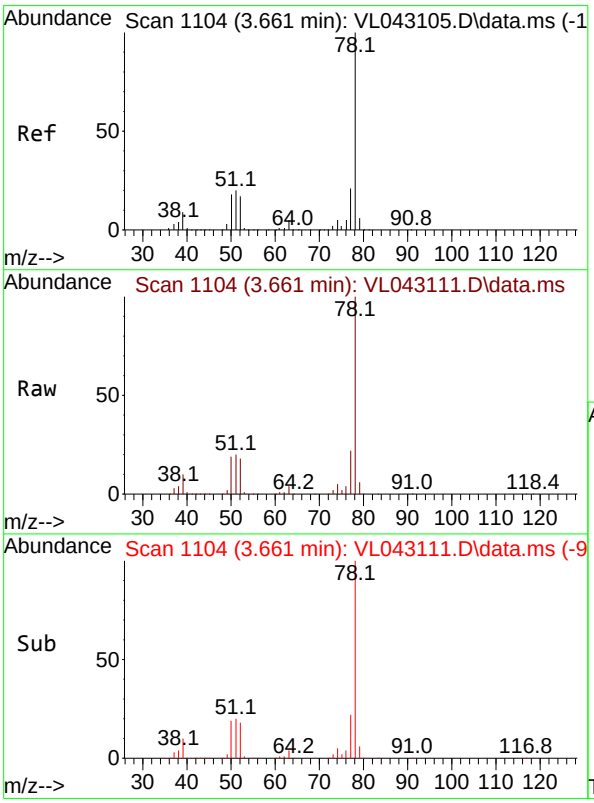
#35
Carbon Tetrachloride
Concen: 14.056 ppbv
RT: 3.764 min Scan# 11
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 325078

Ion	Ratio	Lower	Upper
117	100		
119	93.8	74.1	111.1
121	30.2	22.2	33.2

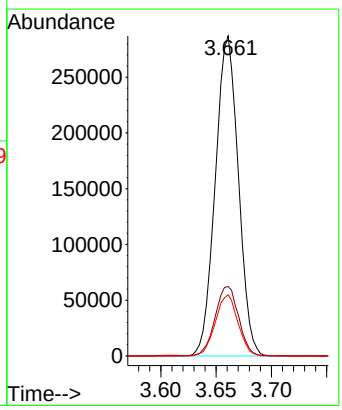


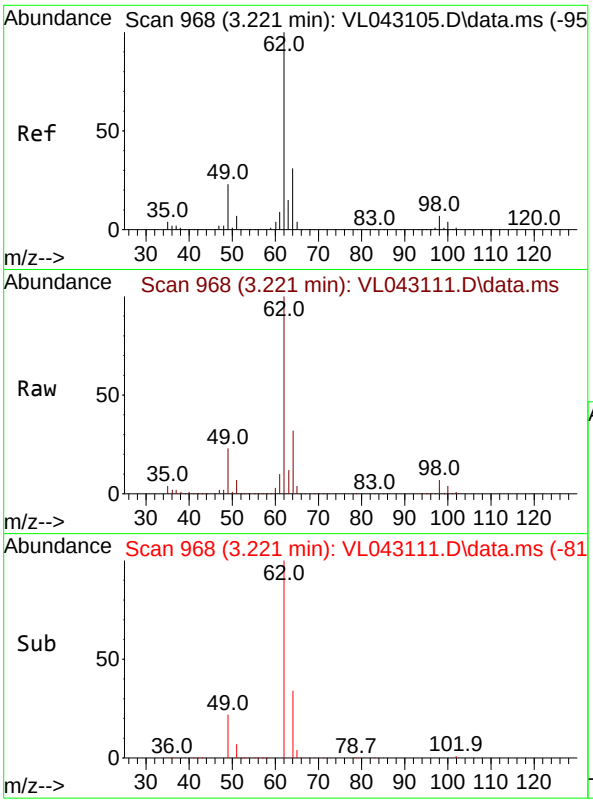


#36
Benzene
Concen: 13.725 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 78 Resp: 415823

Ion	Ratio	Lower	Upper
78	100		
77	21.6	17.0	25.6
50	19.1	14.6	22.0



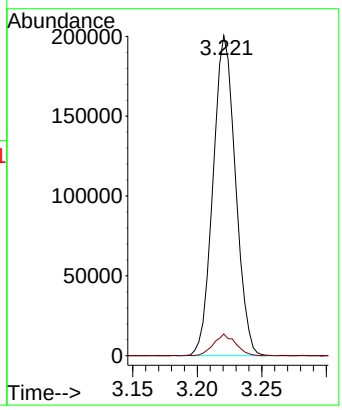


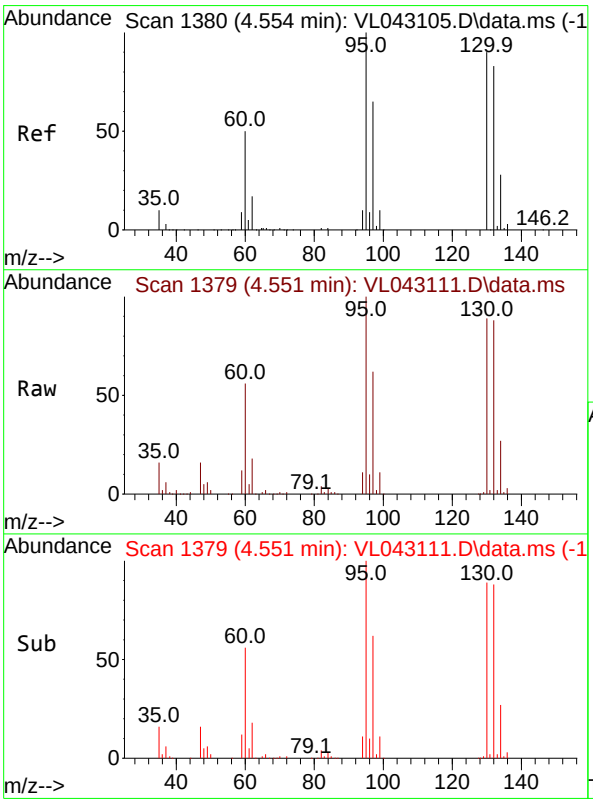
#37
1,2-Dichloroethane
Concen: 13.865 ppbv
RT: 3.221 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 241983

Ion	Ratio	Lower	Upper
62	100		
98	6.6	5.8	8.6

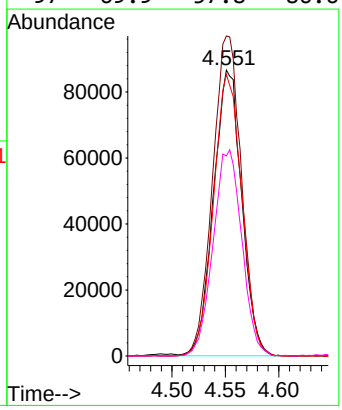


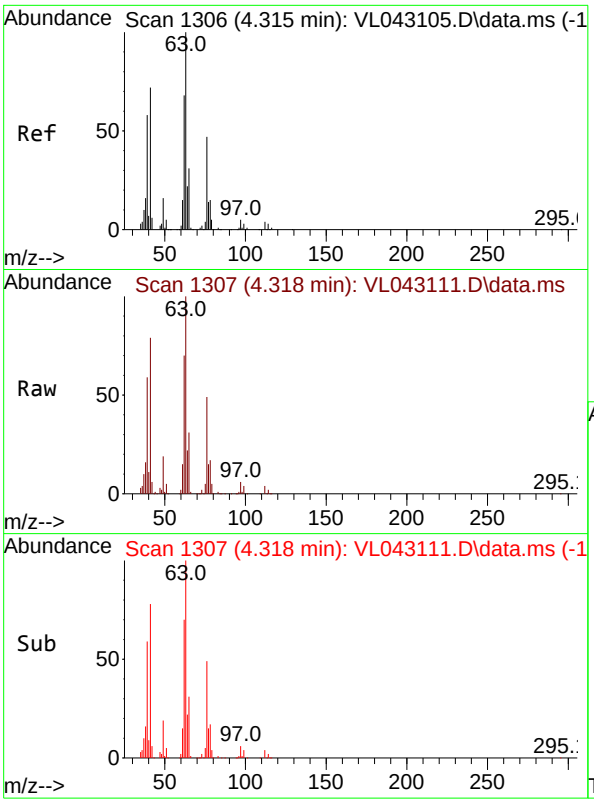


#38
Trichloroethene
Concen: 12.590 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:130 Resp: 159136

Ion	Ratio	Lower	Upper
130	100		
95	111.8	88.6	133.0
132	98.5	73.4	110.0
97	69.9	57.8	86.6



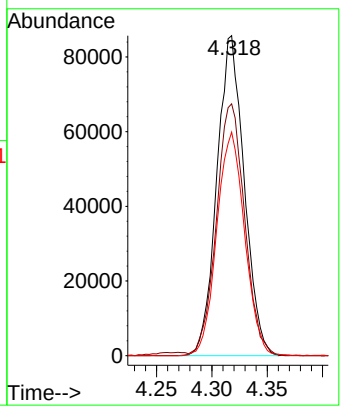


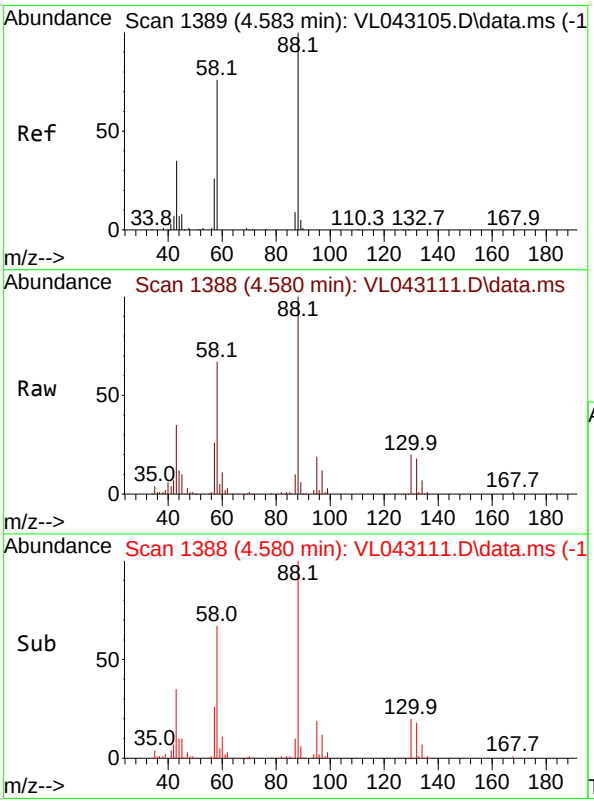
#39
1,2-Dichloropropane
Concen: 13.274 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 147155

Ion	Ratio	Lower	Upper
63	100		
41	78.4	58.0	87.0
62	69.9	54.7	82.1

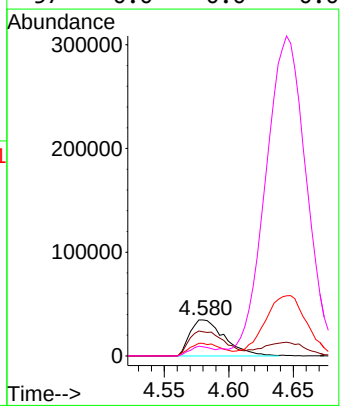


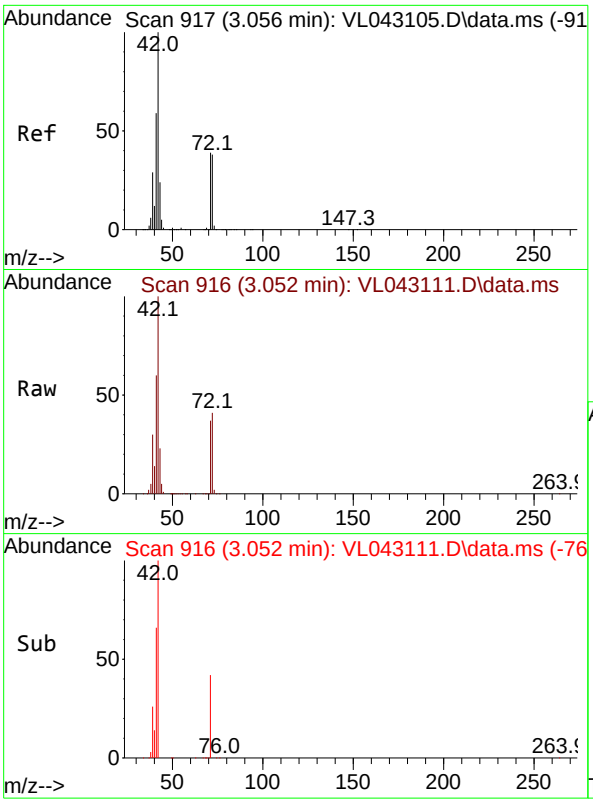


#40
1,4-Dioxane
Concen: 13.180 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 88 Resp: 65323

Ion	Ratio	Lower	Upper
88	100		
58	69.1	61.1	91.7
43	30.0	24.0	36.0
57	0.0	0.0	0.0



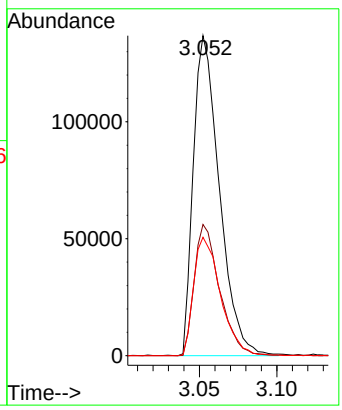


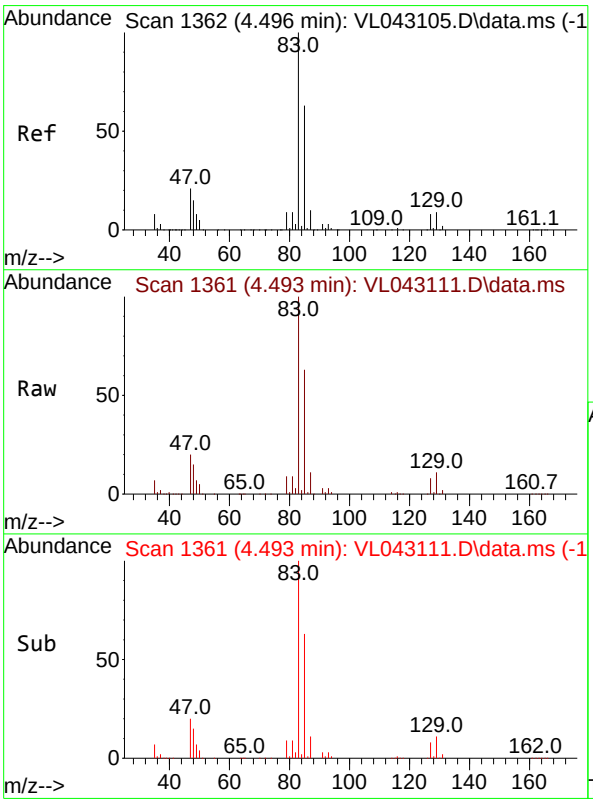
#41
Tetrahydrofuran
Concen: 13.200 ppbv
RT: 3.052 min Scan# 91
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 160247

Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.3	46.9
71	38.2	30.4	45.6

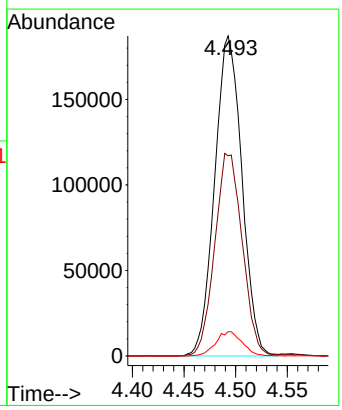


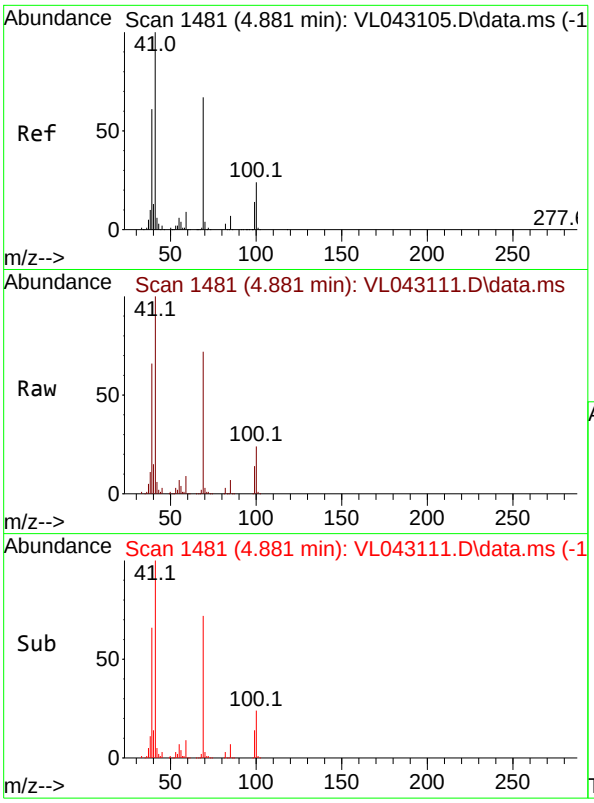


#42
Bromodichloromethane
Concen: 14.234 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 83 Resp: 343817

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.6	75.8
127	7.6	6.3	9.5



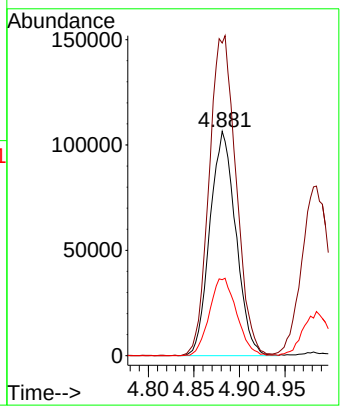


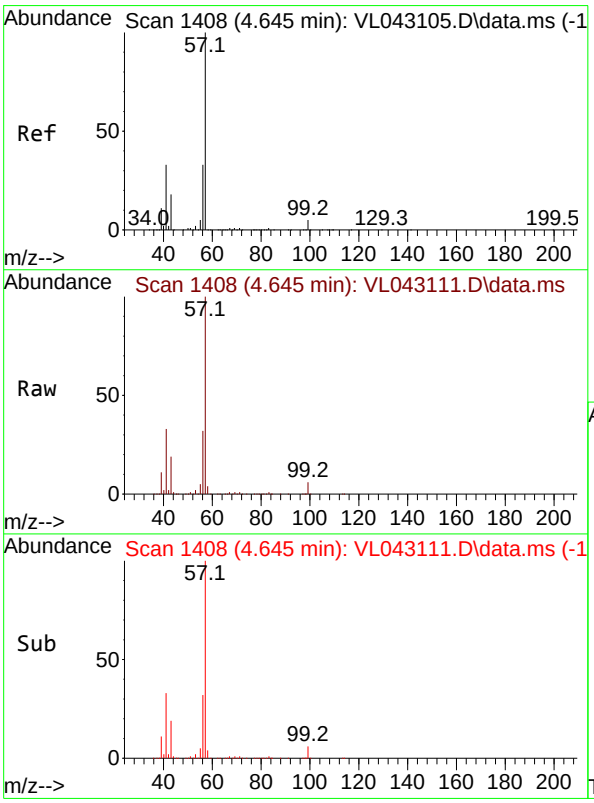
#43
Methyl Methacrylate
Concen: 13.633 ppbv
RT: 4.881 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 210756

Ion	Ratio	Lower	Upper
69	100		
41	148.2	120.5	180.7
100	36.3	29.0	43.4

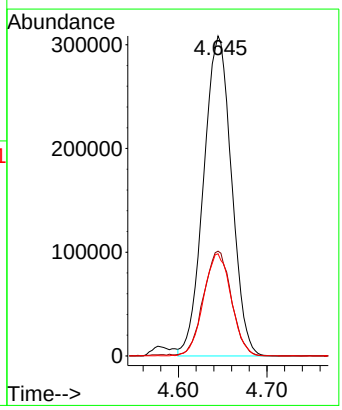


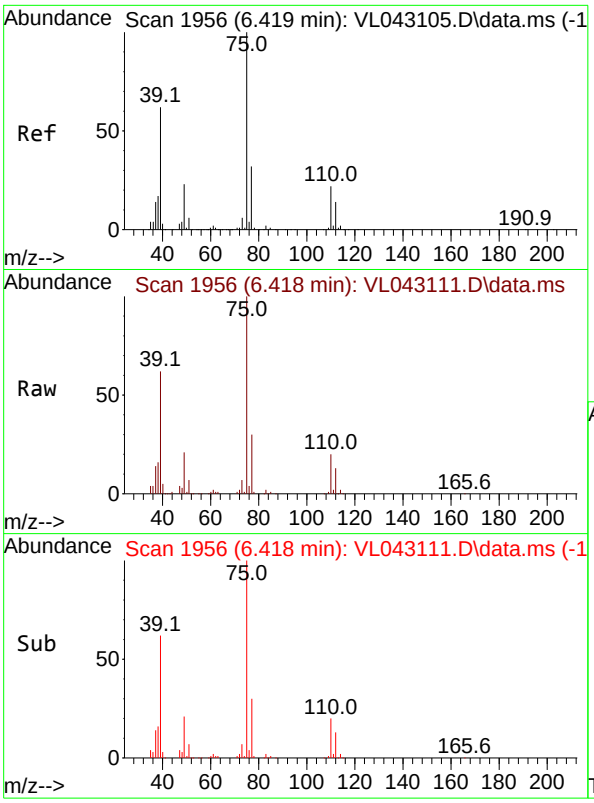


#44
2,2,4-Trimethylpentane
Concen: 13.340 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 57 Resp: 675770

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.3	39.5
56	31.9	25.9	38.9



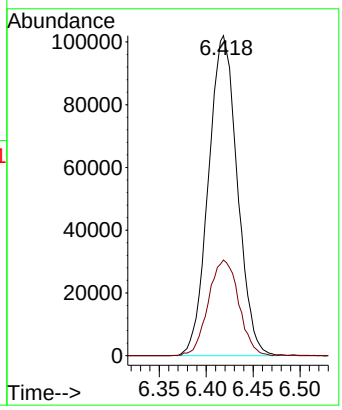


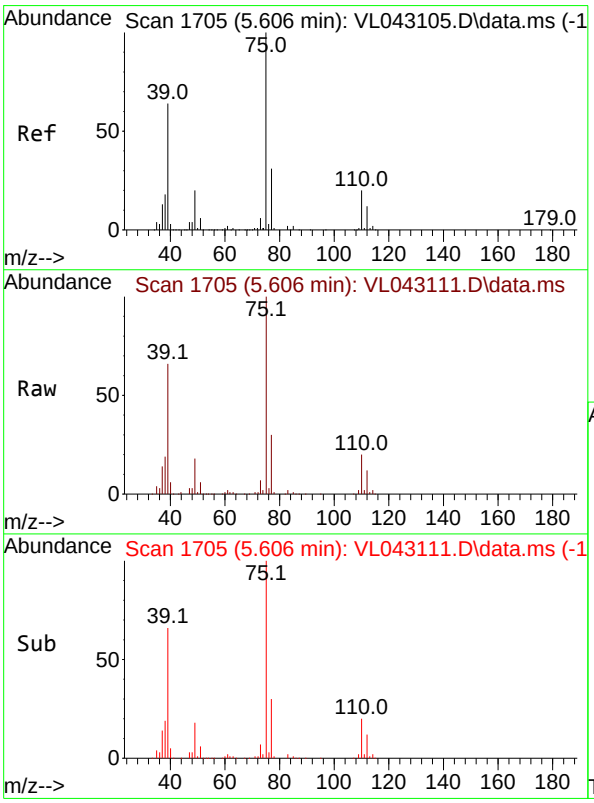
#45
t-1,3-Dichloropropene
Concen: 14.142 ppbv
RT: 6.418 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 218386

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.4	38.2

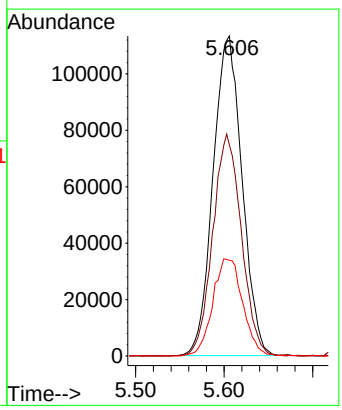


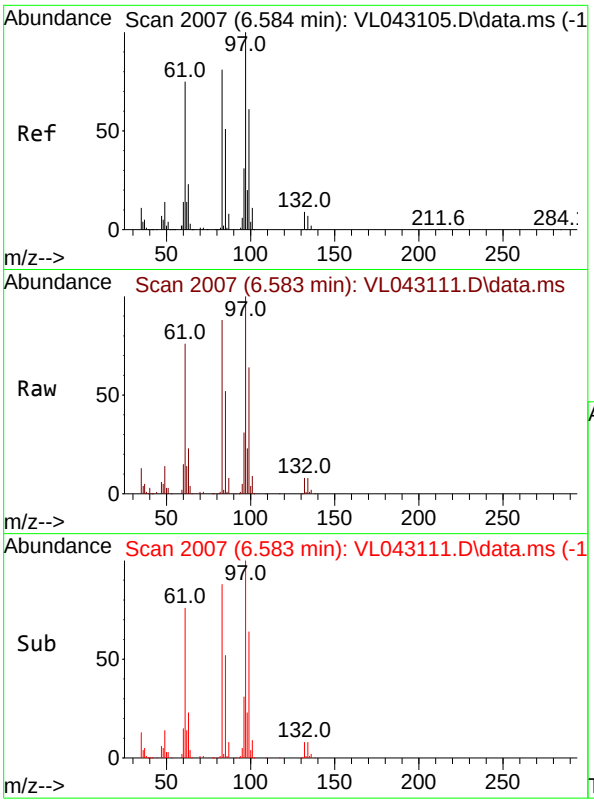


#46
cis-1,3-Dichloropropene
Concen: 14.018 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 75 Resp: 258355

Ion	Ratio	Lower	Upper
75	100		
39	65.8	51.0	76.6
77	29.9	25.0	37.4



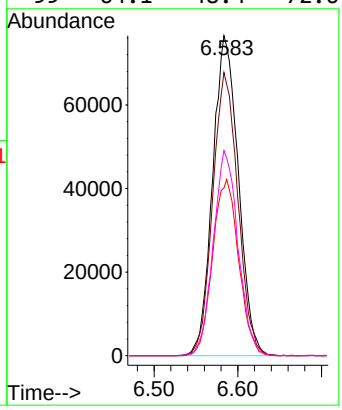


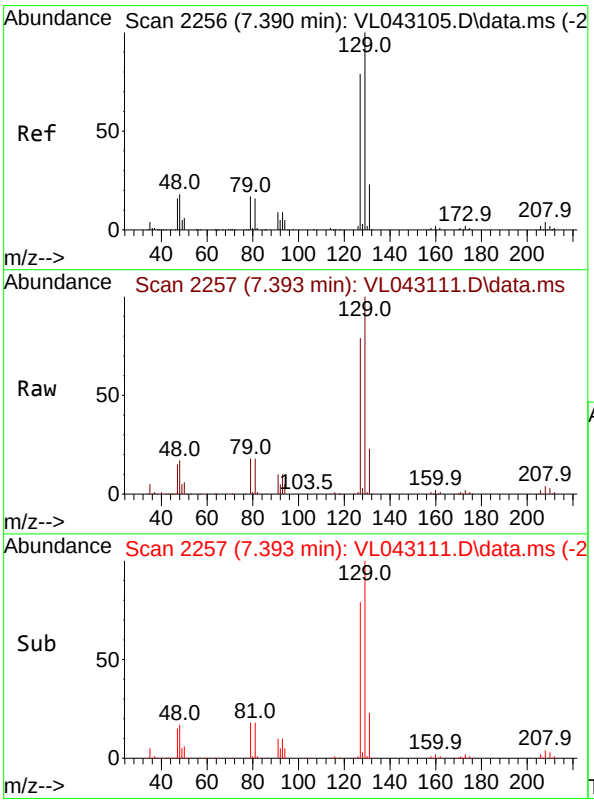
#47
1,1,2-Trichloroethane
Concen: 13.638 ppbv
RT: 6.583 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 163113

Ion	Ratio	Lower	Upper
97	100		
83	88.4	64.6	96.8
85	52.4	40.6	60.8
99	64.1	48.4	72.6

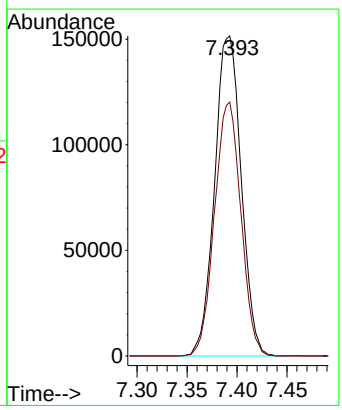


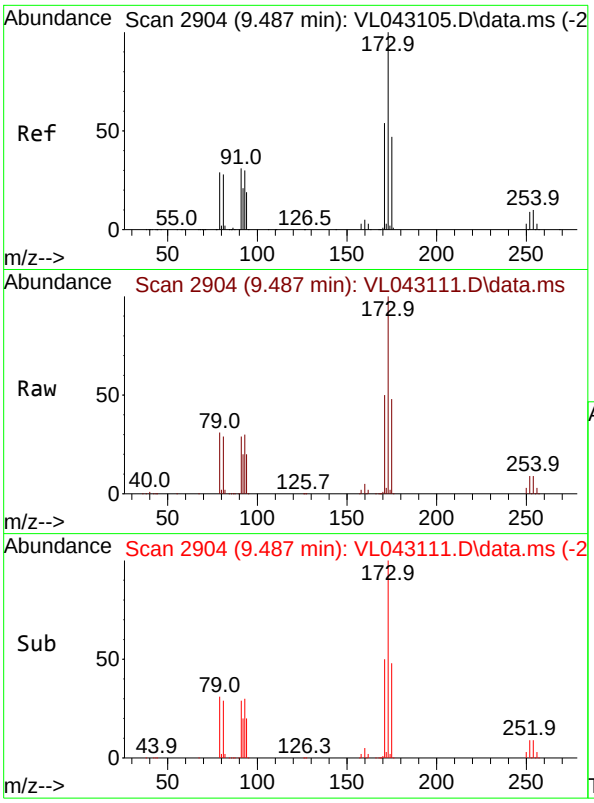


#48
Dibromochloromethane
Concen: 14.051 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:129 Resp: 280993

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9



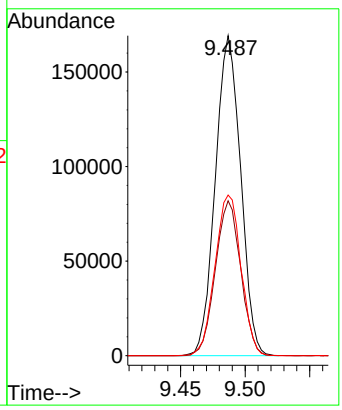


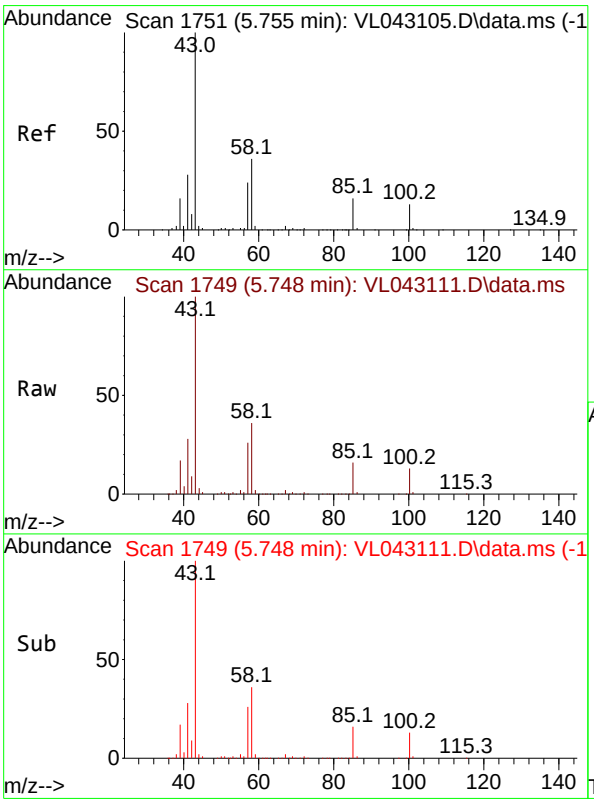
#49
Bromoform
Concen: 14.184 ppbv
RT: 9.487 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 230561

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.8	58.2
171	51.7	41.7	62.5

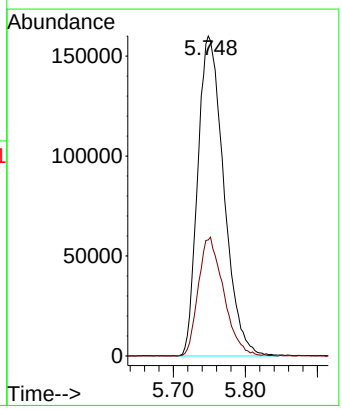


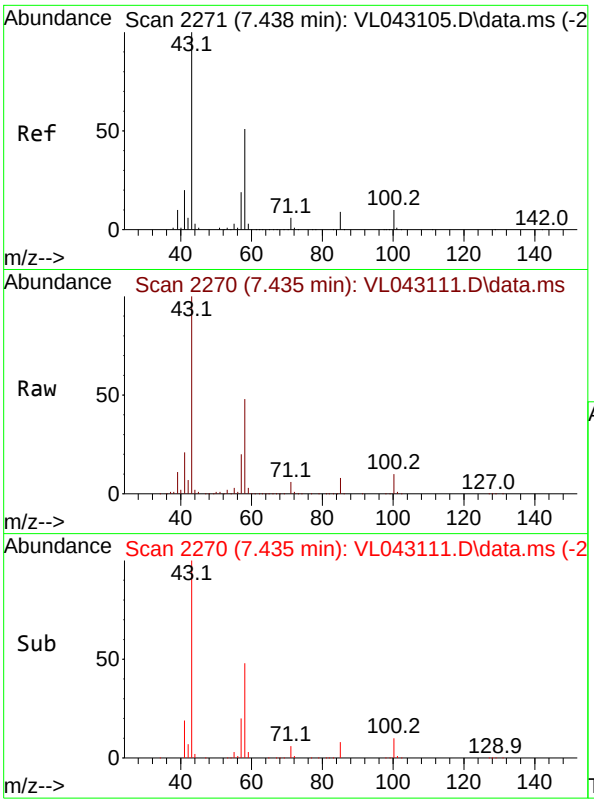


#50
4-Methyl-2-Pentanone
Concen: 13.396 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.007 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 43 Resp: 401849

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7



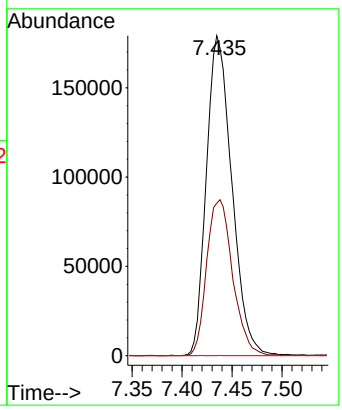


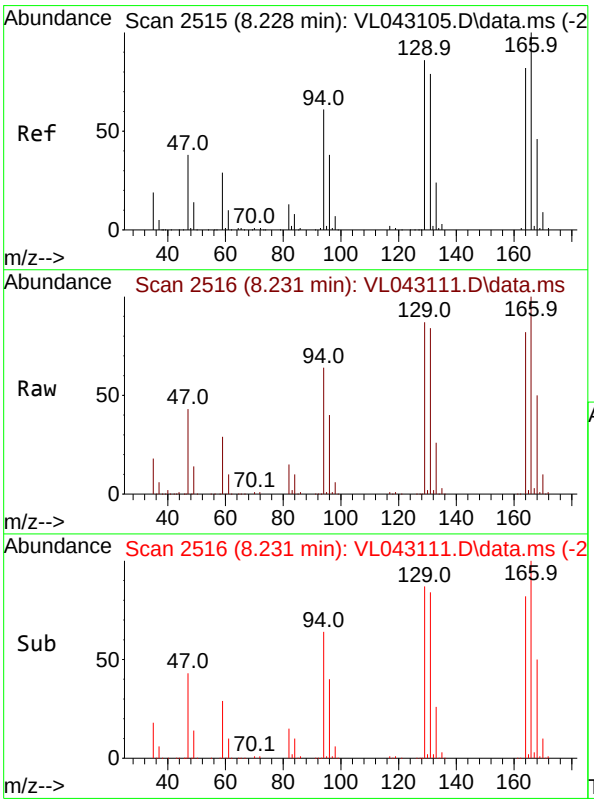
#51
2-Hexanone
Concen: 14.176 ppbv
RT: 7.435 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 317288

Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.4	60.6
98	0.0	0.1	0.1#

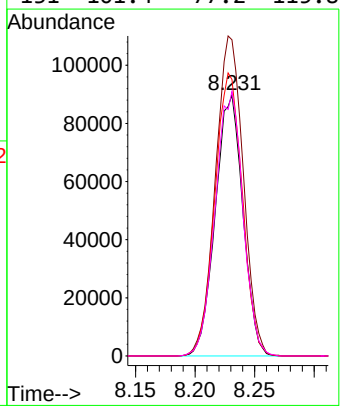


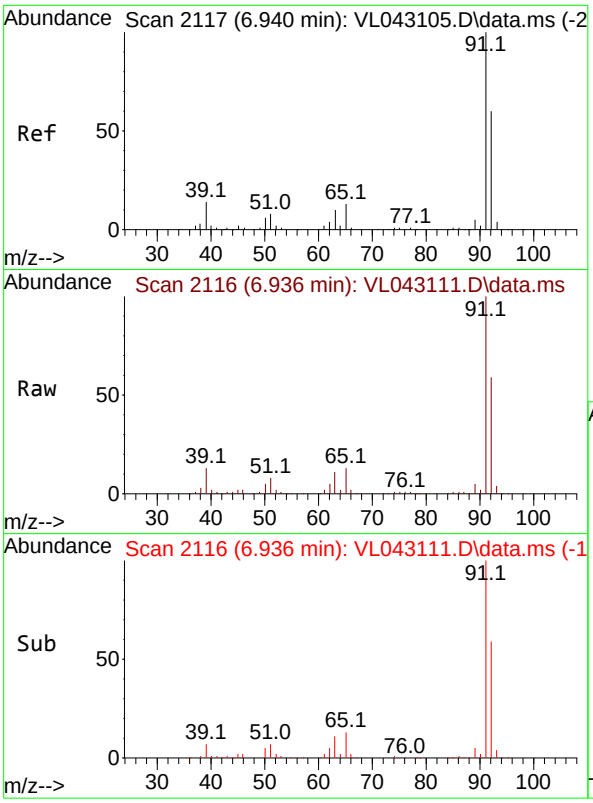


#52
Tetrachloroethene
Concen: 13.177 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:164 Resp: 143954

Ion	Ratio	Lower	Upper
164	100		
166	121.3	97.6	146.4
129	106.0	84.5	126.7
131	101.4	77.2	115.8



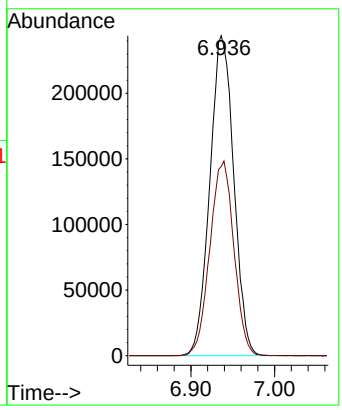


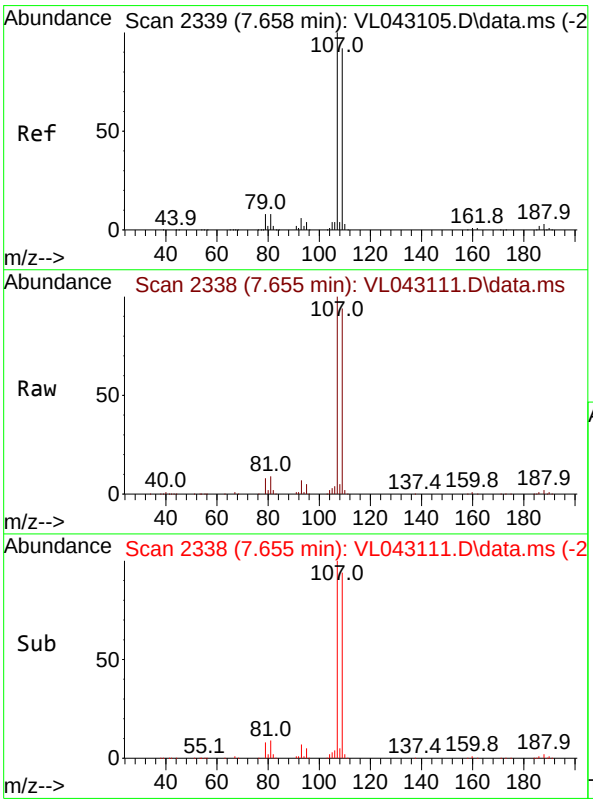
#53
Toluene
Concen: 13.457 ppbv
RT: 6.936 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 483870

Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.8	73.2

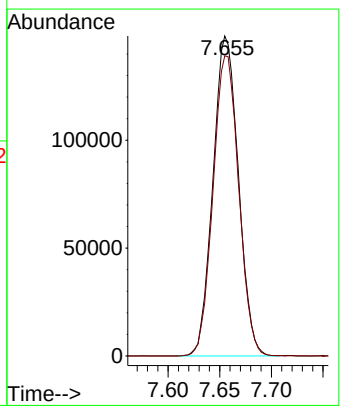


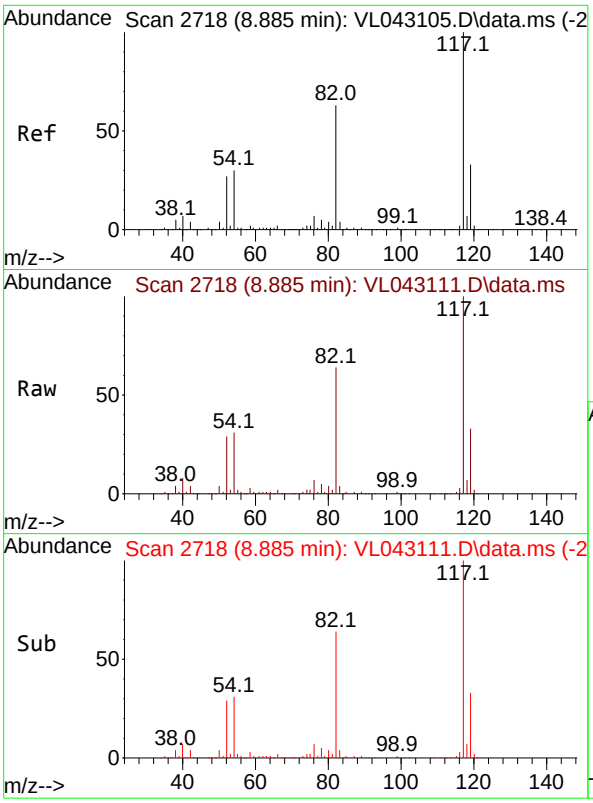


#54
1,2-Dibromoethane
Concen: 13.461 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:107 Resp: 254024

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.4	110.2



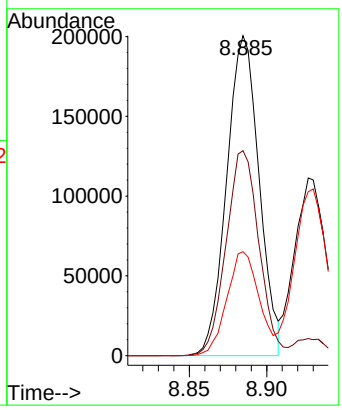


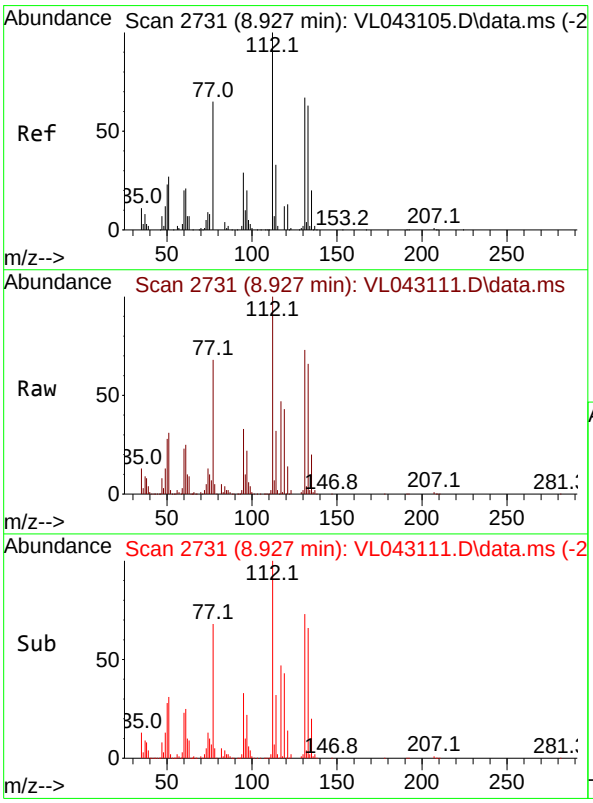
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 292542

Ion	Ratio	Lower	Upper
117	100		
82	70.2	53.8	80.8
119	33.1	25.4	38.0

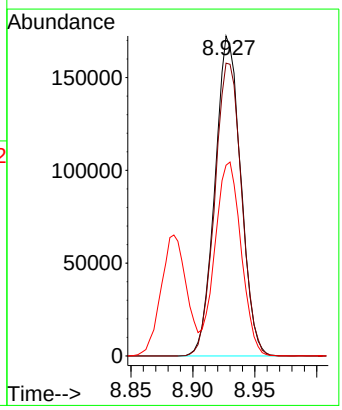


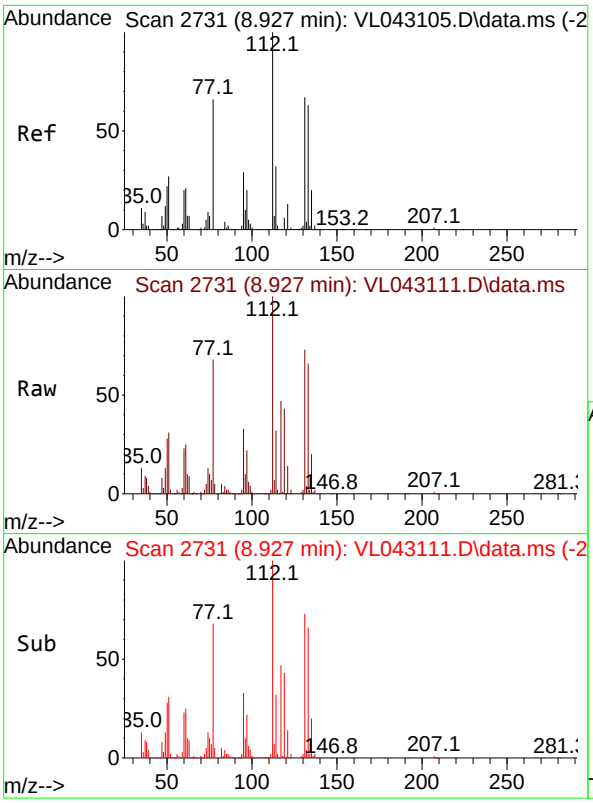


#56
1,1,1,2-Tetrachloroethane
Concen: 13.573 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:131 Resp: 250303

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.7	113.5
119	61.9	50.6	76.0



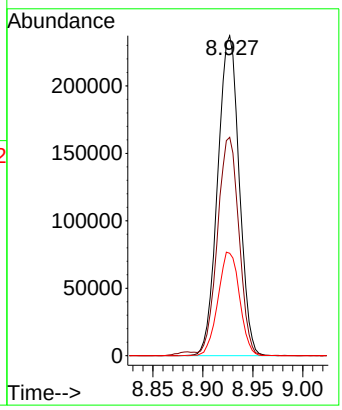


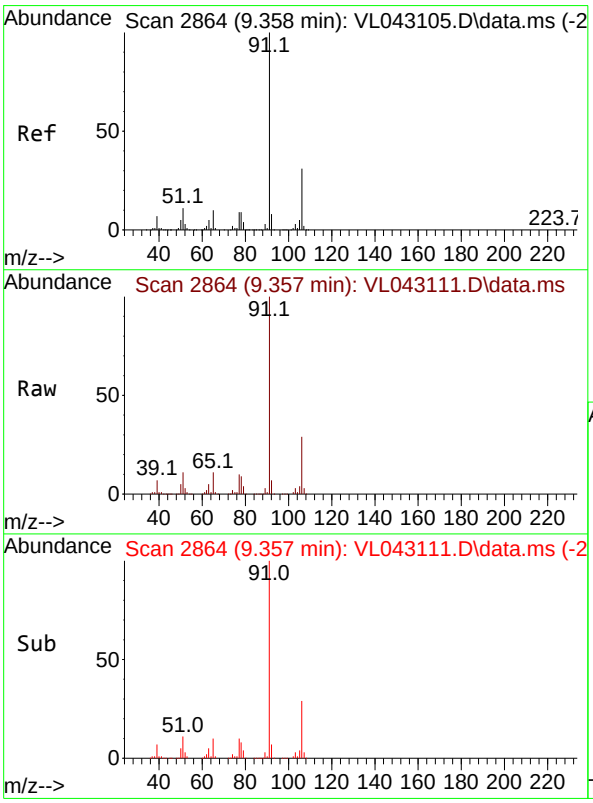
#57
Chlorobenzene
Concen: 12.983 ppbv
RT: 8.927 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 355301

Ion	Ratio	Lower	Upper
112	100		
77	68.2	53.3	79.9
114	32.0	29.3	35.8

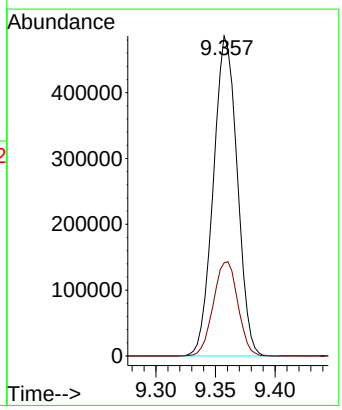


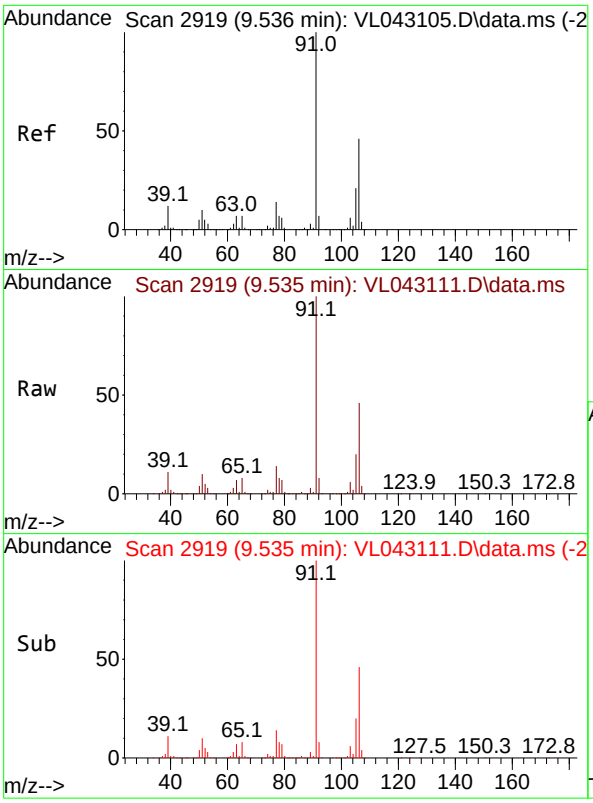


#58
Ethyl Benzene
Concen: 13.375 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 676918

Ion	Ratio	Lower	Upper
91	100		
106	29.1	24.8	37.2



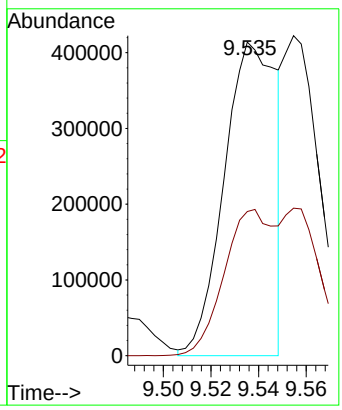


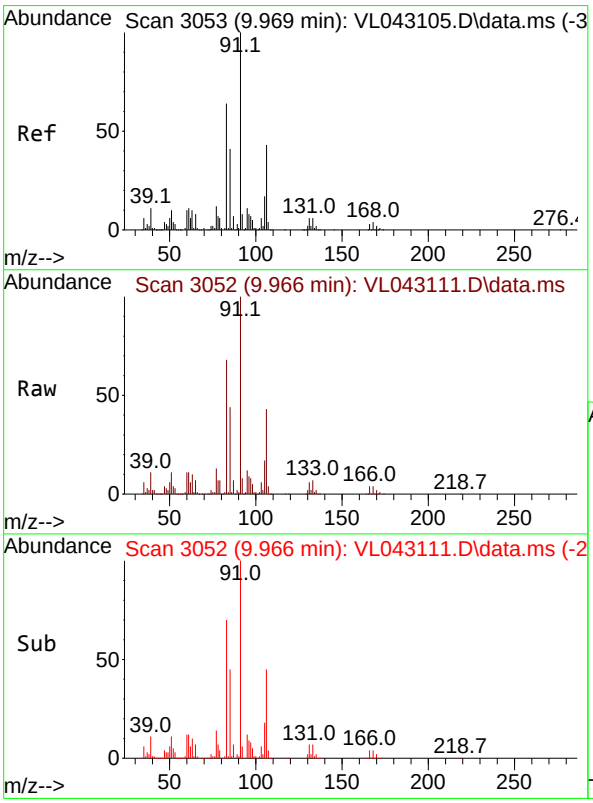
#59
m/p-Xylene
Concen: 15.622 ppbv
RT: 9.535 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 626074

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

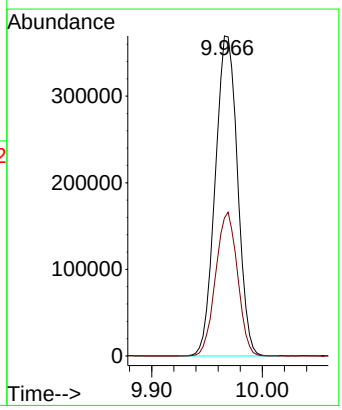


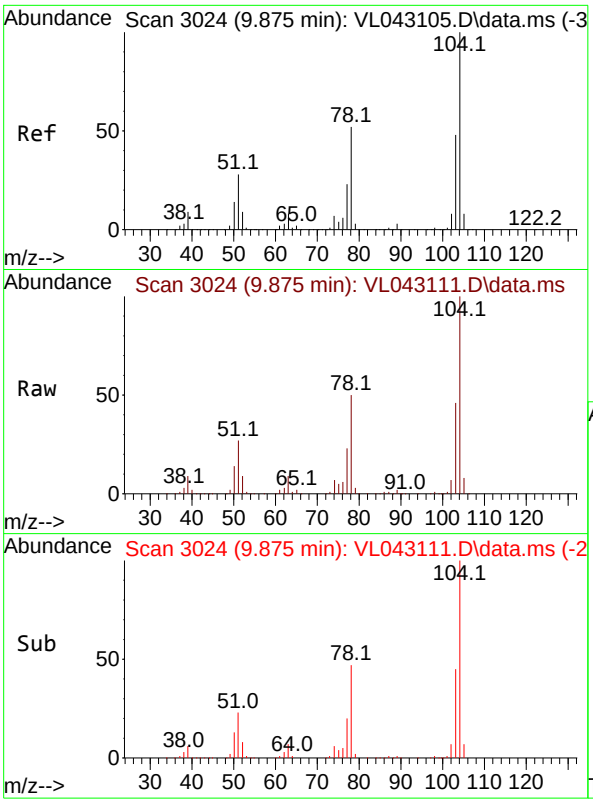


#60
o-Xylene
Concen: 13.063 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 516660

Ion	Ratio	Lower	Upper
91	100		
106	44.3	21.9	65.8



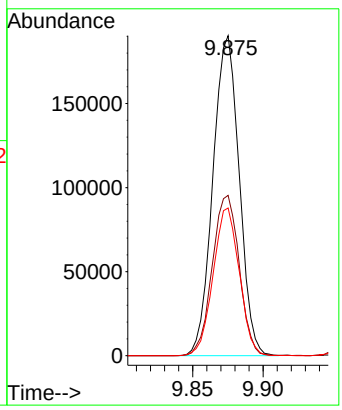


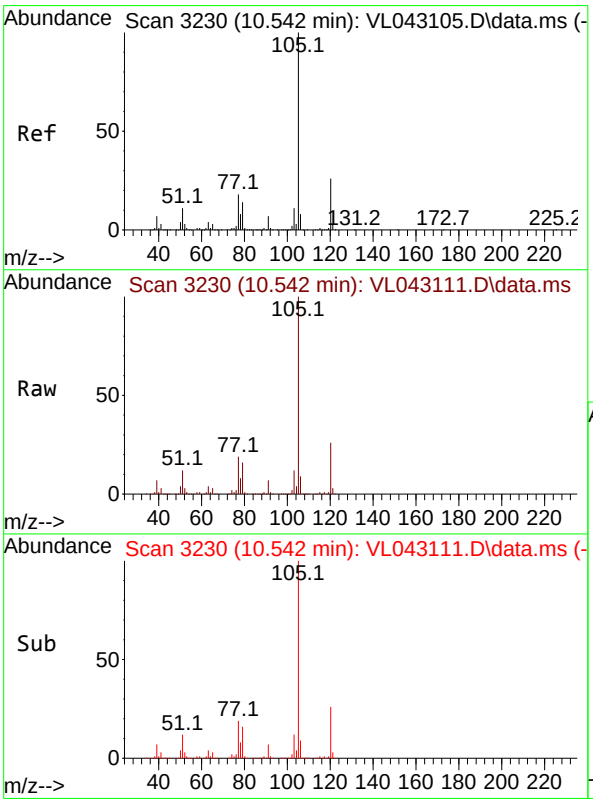
#61
Styrene
Concen: 13.867 ppbv
RT: 9.875 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 247585

Ion	Ratio	Lower	Upper
104	100		
78	51.2	40.2	60.2
103	46.0	36.9	55.3

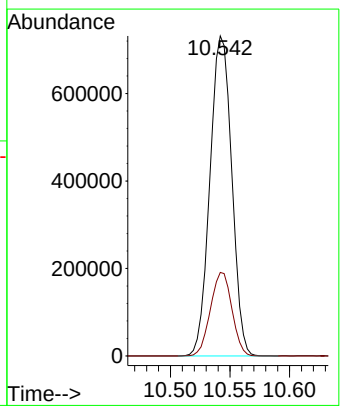


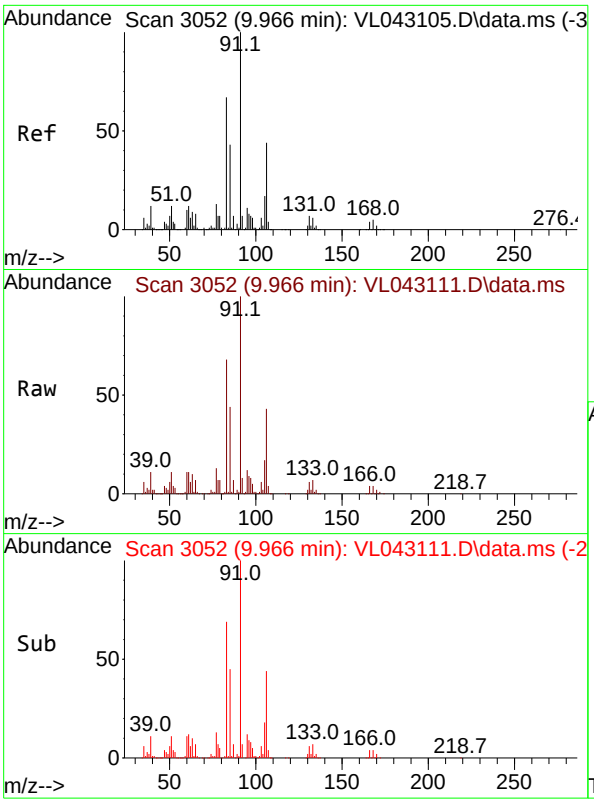


#62
Isopropylbenzene
Concen: 13.034 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:105 Resp: 931508

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.2	30.4



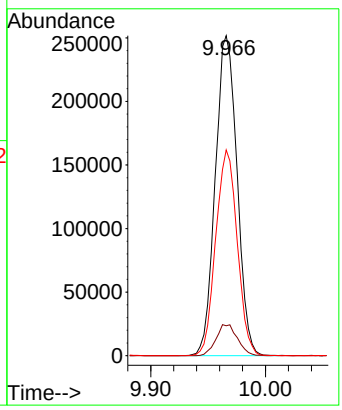


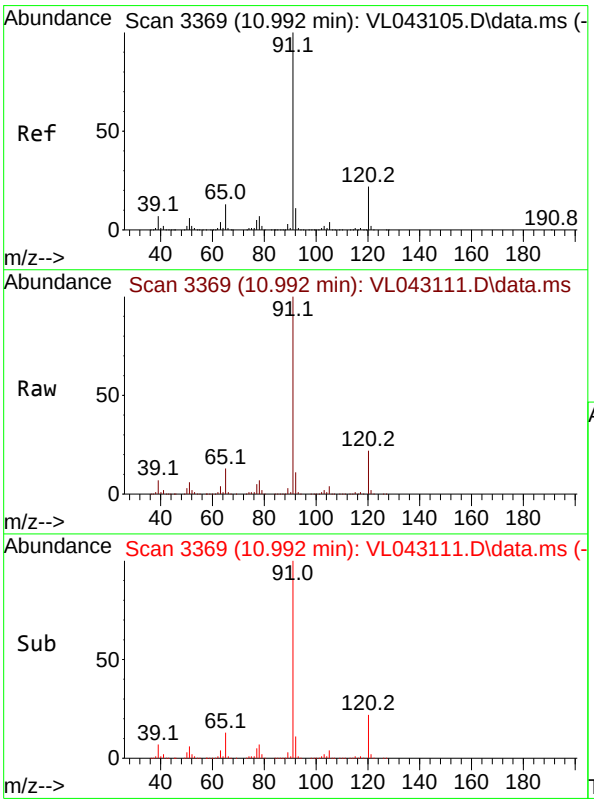
#63
1,1,2,2-Tetrachloroethane
Concen: 12.515 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 331423

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	63.6	32.0	96.0

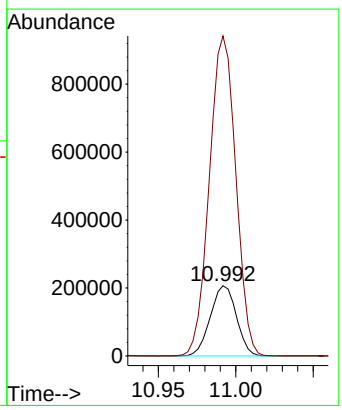


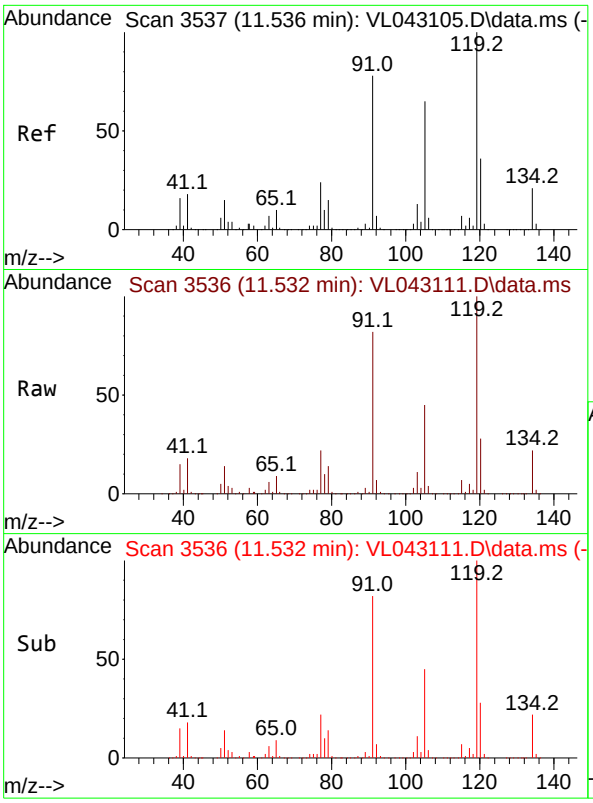


#64
n-propylbenzene
Concen: 12.775 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:120 Resp: 241719

Ion	Ratio	Lower	Upper
120	100		
91	463.5	361.6	542.4



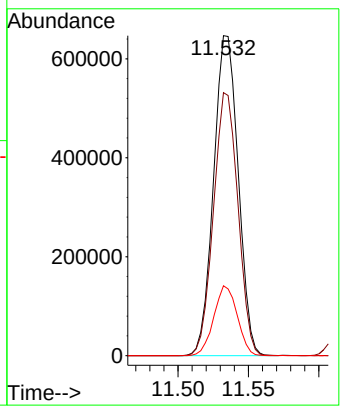


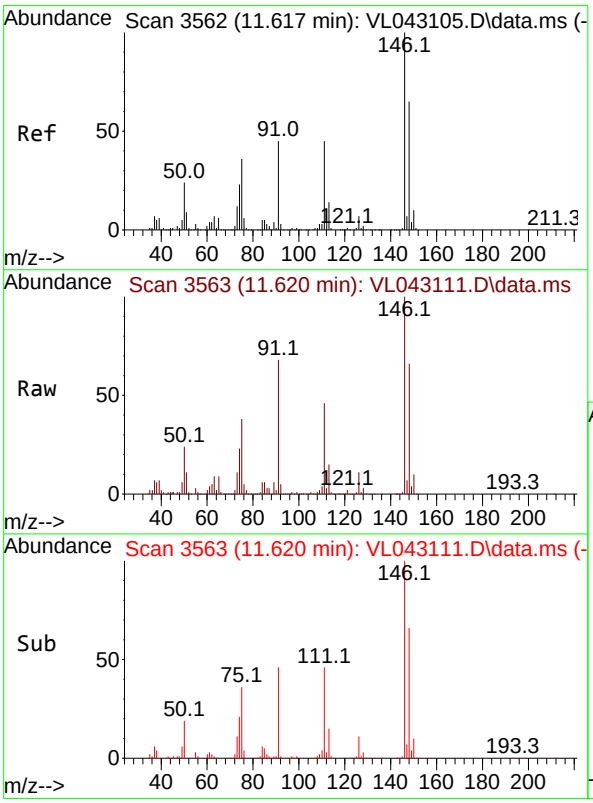
#65
tert-Butylbenzene
Concen: 12.490 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 788234

Ion	Ratio	Lower	Upper
119	100		
91	81.8	63.4	95.0
134	20.8	17.3	25.9

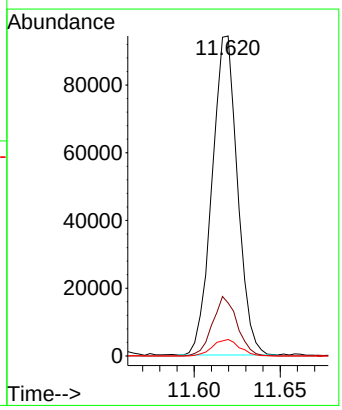


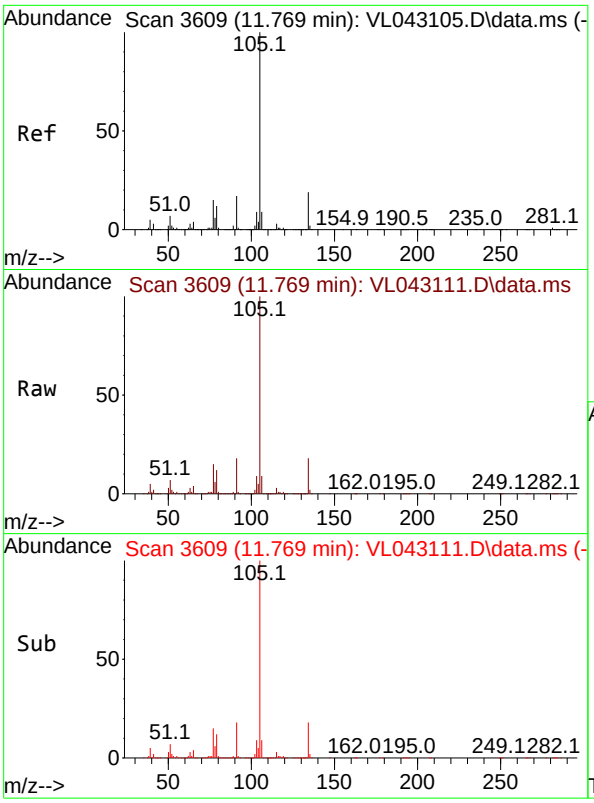


#66
Benzyl Chloride
Concen: 13.778 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 97114

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.6	22.0
128	5.4	4.6	6.8



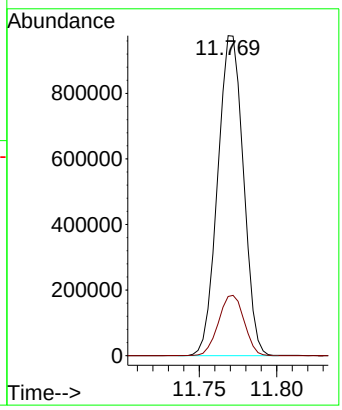


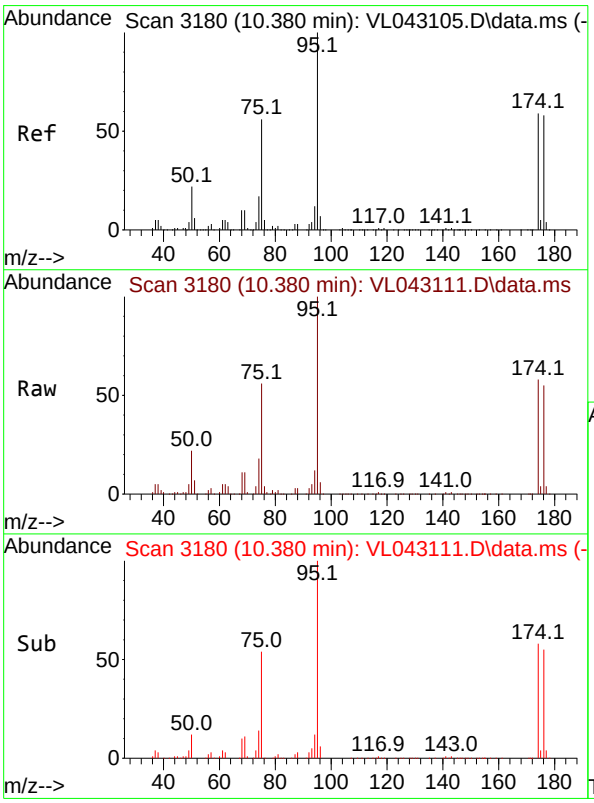
#67
sec-Butylbenzene
Concen: 12.566 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 1125489

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.5	23.3

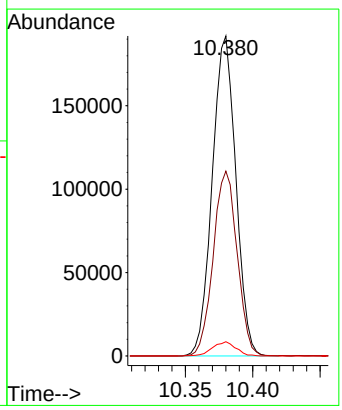


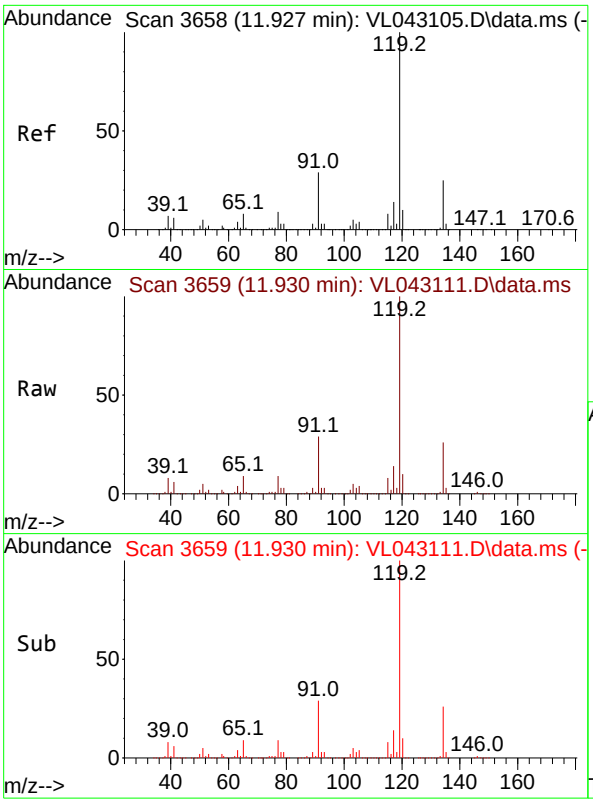


#68
1-Bromo-4-Fluorobenzene
Concen: 10.270 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 95 Resp: 233522

Ion	Ratio	Lower	Upper
95	100		
174	58.7	48.3	72.5
175	4.4	3.8	5.8



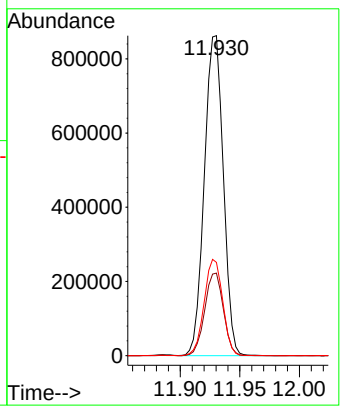


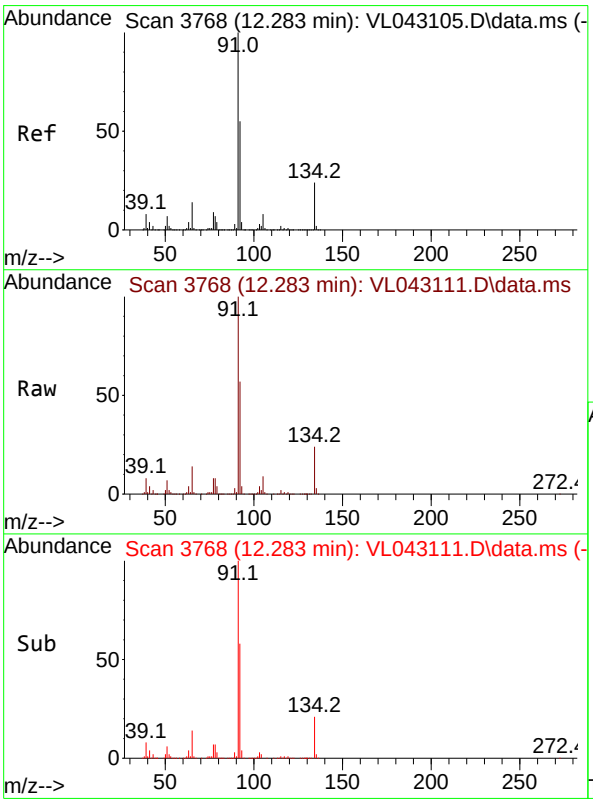
#69
p-Isopropyltoluene
Concen: 12.602 ppbv
RT: 11.930 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 959206

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.3	30.5
91	29.5	22.6	33.8

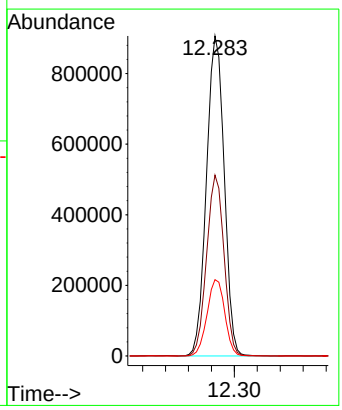


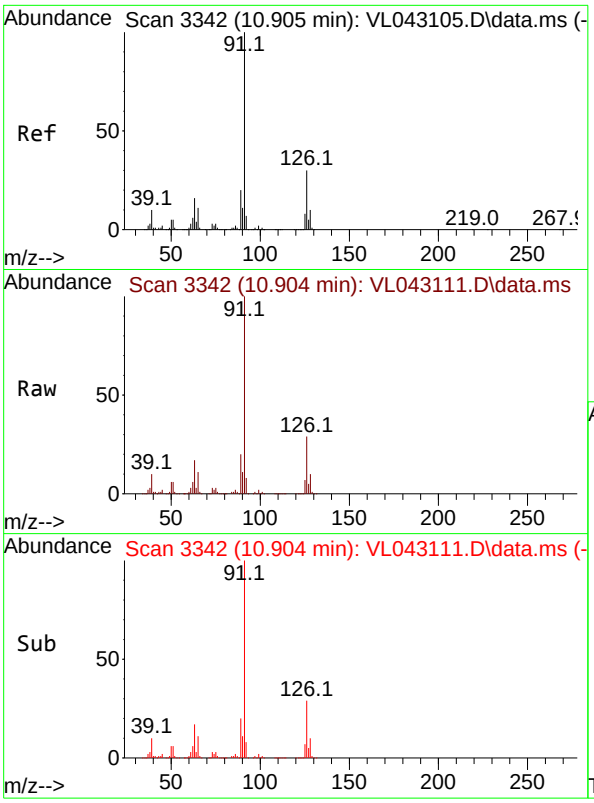


#70
n-Butylbenzene
Concen: 12.979 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion: 91 Resp: 973466

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.5	66.7
134	23.8	19.3	28.9



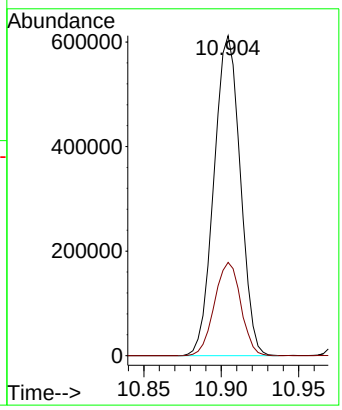


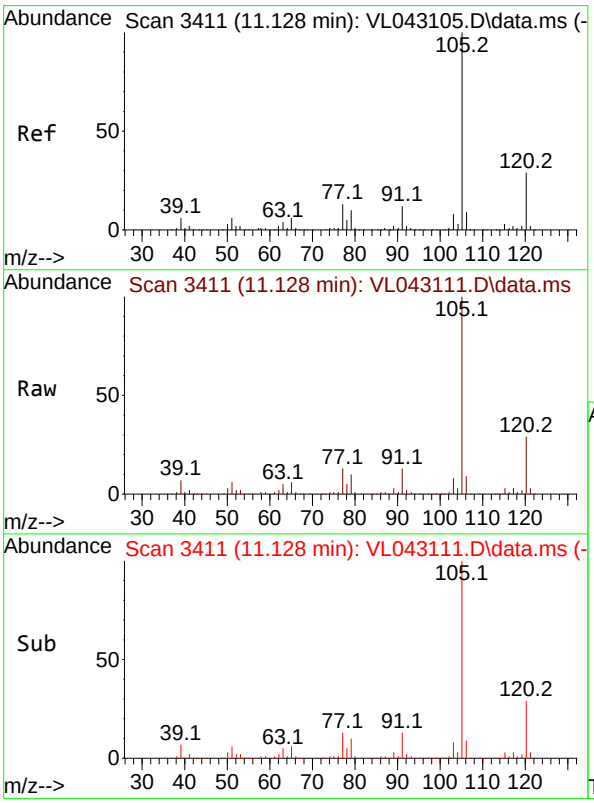
#71
2-Chlorotoluene
Concen: 13.242 ppbv
RT: 10.904 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 721827

Ion	Ratio	Lower	Upper
91	100		
126	29.1	12.0	48.0

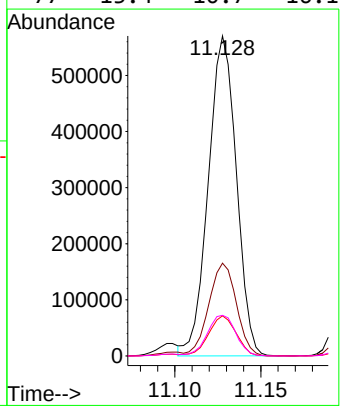


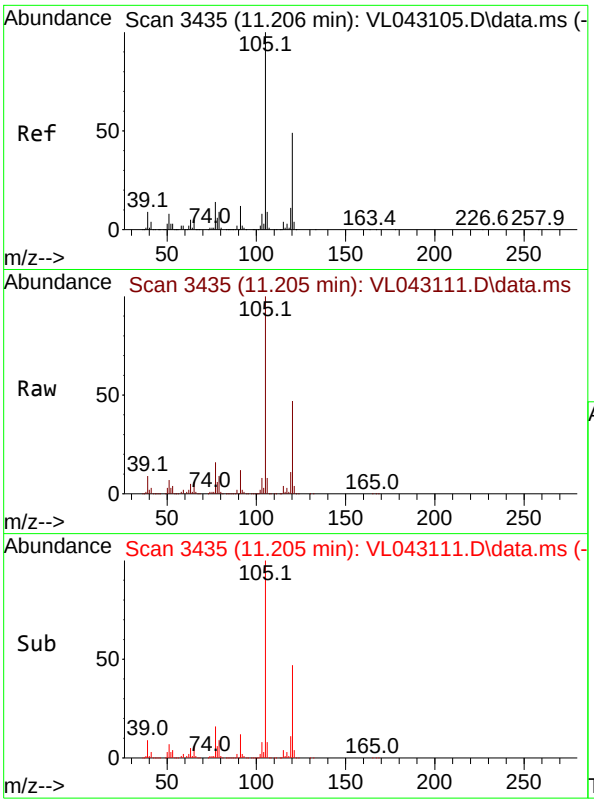


#72
4-Ethyltoluene
Concen: 13.310 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:105 Resp: 647315

Ion	Ratio	Lower	Upper
105	100		
120	29.6	24.2	36.4
91	12.7	10.0	15.0
77	13.4	10.7	16.1



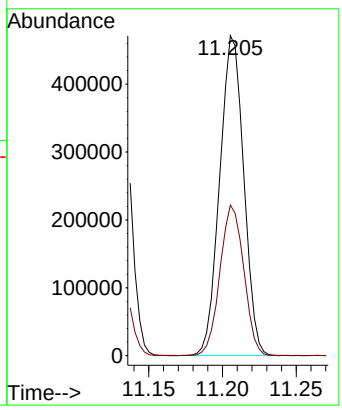


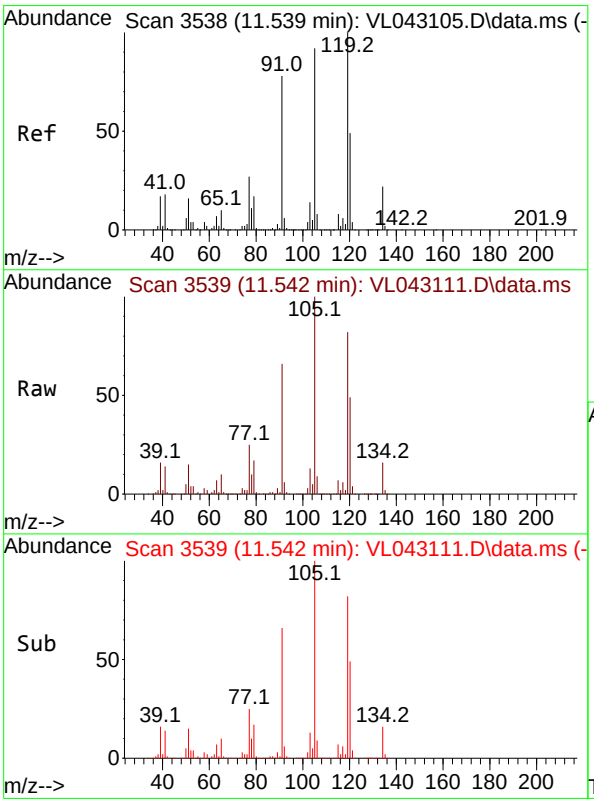
#73
1,3,5-Trimethylbenzene
Concen: 13.314 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 534006

Ion	Ratio	Lower	Upper
105	100		
120	47.1	39.0	58.6

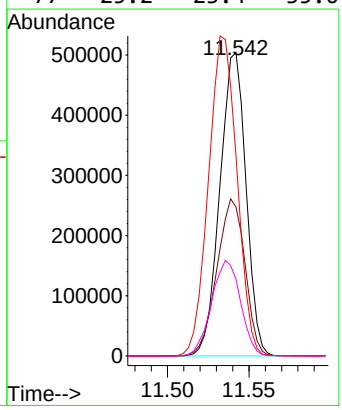


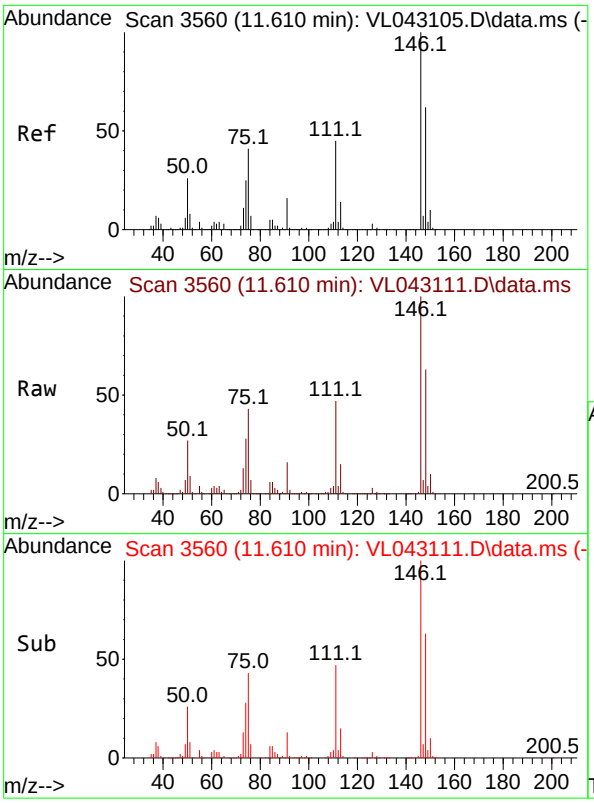


#74
1,2,4-Trimethylbenzene
Concen: 12.498 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:105 Resp: 560932

Ion	Ratio	Lower	Upper
105	100		
120	49.0	42.8	64.2
91	66.0	68.3	102.5#
77	25.2	23.4	35.0



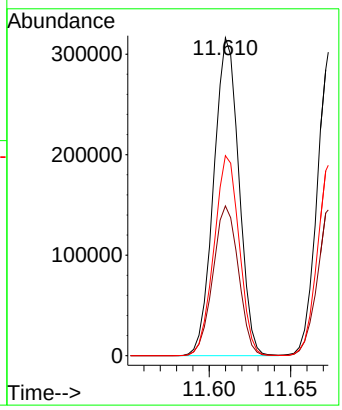


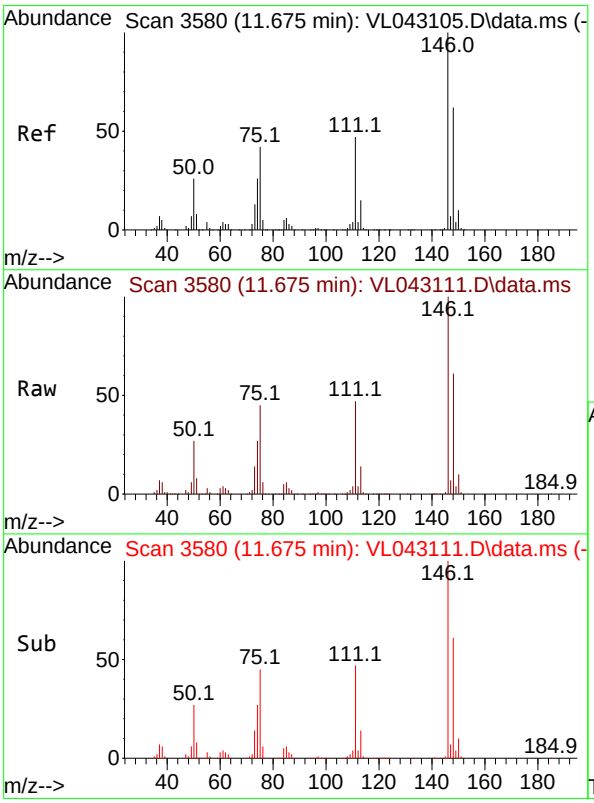
#75
1,3-Dichlorobenzene
Concen: 13.031 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 339203

Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.3	69.9
148	63.0	31.6	95.0

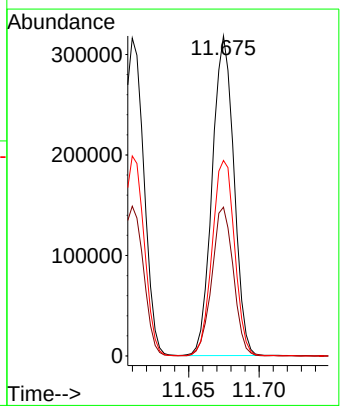


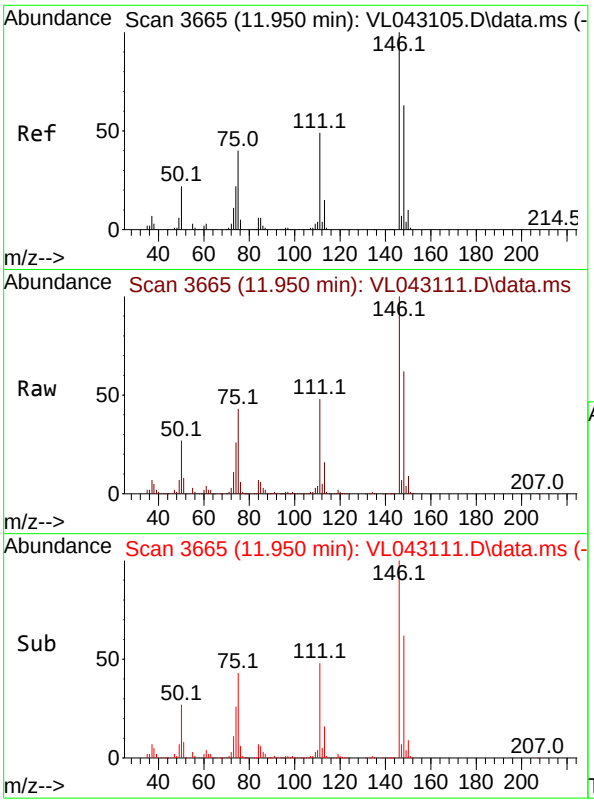


#76
1,4-Dichlorobenzene
Concen: 13.027 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:146 Resp: 341936

Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.4	67.0
148	63.4	31.6	94.7



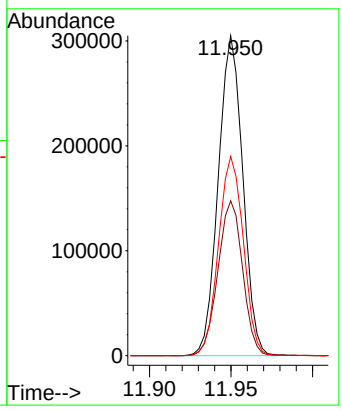


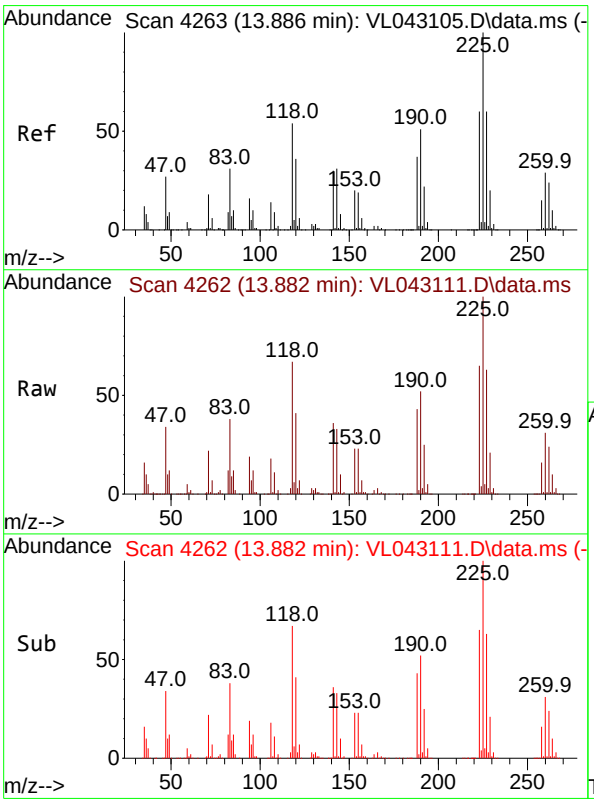
#77
1,2-Dichlorobenzene
Concen: 12.660 ppbv
RT: 11.950 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 318800

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.0	72.0
148	63.2	31.1	93.3

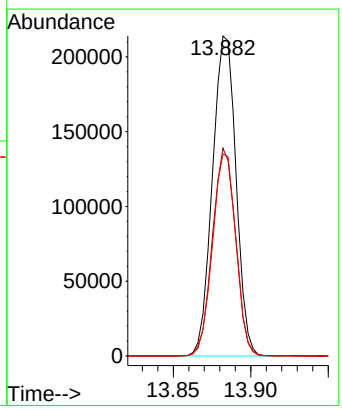


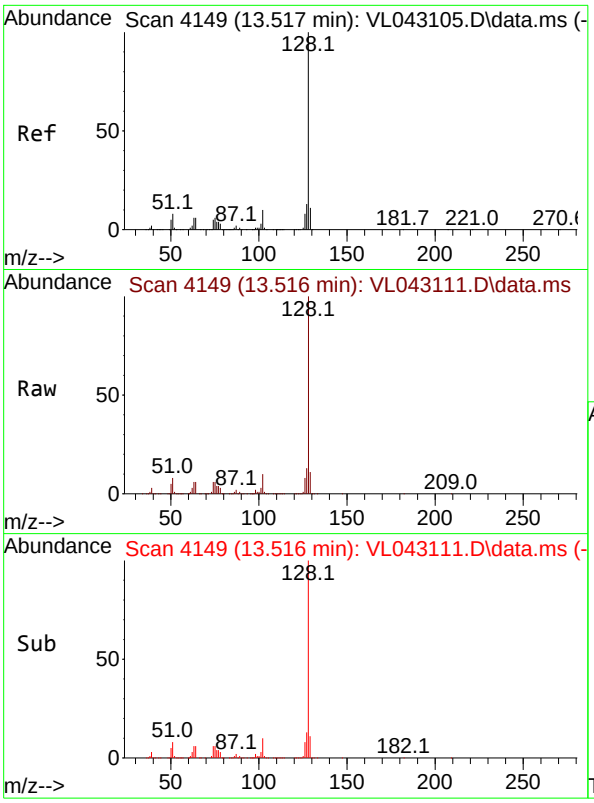


#78
Hexachloro-1,3-Butadiene
Concen: 11.606 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.004 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:225 Resp: 226294

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.4
227	63.1	49.6	74.4



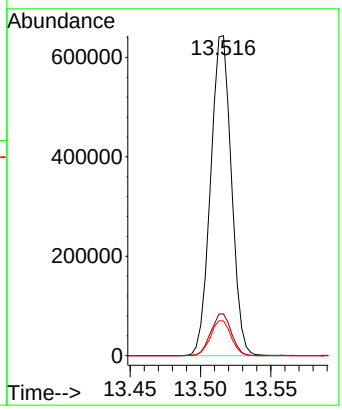


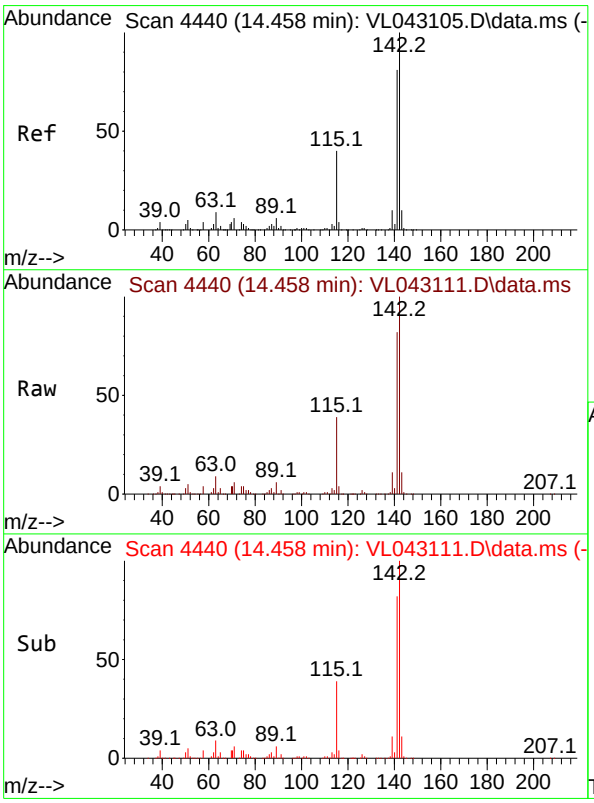
#79
Naphthalene
Concen: 14.260 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 661098

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	9.1	13.7

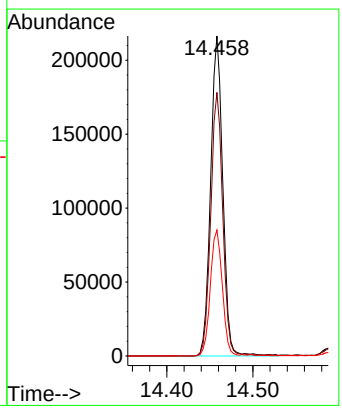


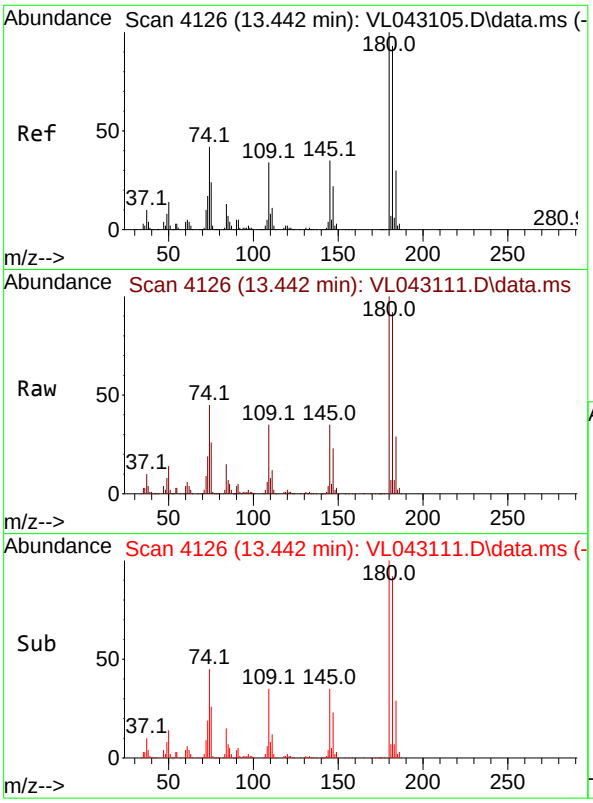


#80
Naphthalene,2-methyl-
Concen: 17.384 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Tgt Ion:142 Resp: 212784

Ion	Ratio	Lower	Upper
142	100		
141	81.9	64.6	97.0
115	39.4	30.2	45.4



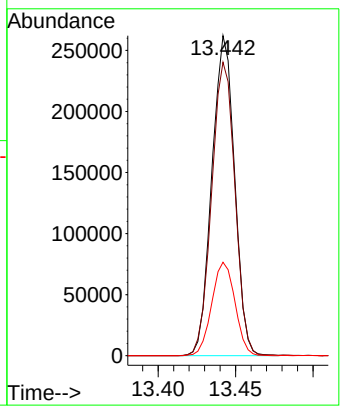


#81
1,2,4-Trichlorobenzene
Concen: 13.698 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043111.D
Acq: 14 Oct 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 266712

Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.5	113.3
184	30.0	23.9	35.9



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	97563	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	325610	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	291676	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	229010	10.101	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	130726	9.425	ppbv	98
3) Chlorodifluoromethane	1.479	51	138956	9.260	ppbv	99
4) Chloromethane	1.538	50	48722	8.867	ppbv	96
5) Vinyl Chloride	1.583	62	47005	8.722	ppbv	97
6) Bromomethane	1.670	94	26304	8.901	ppbv	98
7) Chloroethane	1.709	64	19138	8.685	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	107147	9.558	ppbv	99
9) Propene	1.486	41	59287	8.908	ppbv	98
10) Heptane	4.991	43	165341	8.629	ppbv	99
11) Trichlorofluoromethane	1.881	101	132447	9.762	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	102449	9.380	ppbv	98
13) Ethanol	1.725	45	16837	6.839	ppbv	96
14) Bromoethene	1.787	108	37835	9.324	ppbv	100
15) Acetone	1.839	43	108010	8.214	ppbv	99
16) 1,3-Butadiene	1.612	39	55493	8.855	ppbv	98
17) tert-Butyl alcohol	2.043	59	162672	9.012	ppbv	97
18) 1,1-Dichloroethene	2.039	96	46544	9.774	ppbv	93
19) Isopropyl Alcohol	1.887	45	67552	8.248	ppbv	97
20) Methylene Chloride	2.065	84	40319	7.757	ppbv	89
21) Allyl Chloride	2.101	41	88965	9.181	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	51295	9.011	ppbv	93
23) Vinyl Acetate	2.467	43	185329	9.621	ppbv	98
24) 1,1-Dichloroethane	2.415	63	102877	9.355	ppbv	98
25) Ethyl Acetate	2.839	43	292399	8.966	ppbv	100
26) Hexane	2.832	57	135463	9.015	ppbv	97
27) Carbon Disulfide	2.156	76	131064	9.520	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	67260	9.839	ppbv	97
29) Chloroform	2.852	83	204925	9.412	ppbv	95
30) Cyclohexane	3.865	84	119287	9.096	ppbv	96
31) cis-1,2-Dichloroethene	2.725	61	137462	9.580	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	219167	9.666	ppbv	98
34) 2-Butanone	2.560	43	188755	8.624	ppbv	99
35) Carbon Tetrachloride	3.771	117	217678	9.298	ppbv	96
36) Benzene	3.664	78	278365	9.077	ppbv	97
37) 1,2-Dichloroethane	3.224	62	161750	9.156	ppbv	98
38) Trichloroethene	4.557	130	108261	8.453	ppbv	96
39) 1,2-Dichloropropane	4.321	63	100580	8.971	ppbv	96
40) 1,4-Dioxane	4.587	88	41464	8.265	ppbv #	95
41) Tetrahydrofuran	3.056	42	104701	8.553	ppbv	99
42) Bromodichloromethane	4.496	83	228288	9.336	ppbv	96
43) Methyl Methacrylate	4.884	69	138593	8.898	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	452117	8.738	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	142964	9.146	ppbv	100

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	170038	9.106	ppbv		95
47) 1,1,2-Trichloroethane	6.590	97	108965	9.000	ppbv		96
48) Dibromochloromethane	7.396	129	184757	9.127	ppbv		100
49) Bromoform	9.490	173	147759	8.980	ppbv		100
50) 4-Methyl-2-Pentanone	5.752	43	263070	8.709	ppbv		100
51) 2-Hexanone	7.441	43	203876	8.999	ppbv	#	99
52) Tetrachloroethene	8.231	164	96000	8.681	ppbv		97
53) Toluene	6.943	91	324944	8.928	ppbv		100
54) 1,2-Dibromoethane	7.661	107	167936	8.856	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.933	131	166059	9.031	ppbv		98
57) Chlorobenzene	8.930	112	239309	8.770	ppbv		99
58) Ethyl Benzene	9.361	91	450029	8.990	ppbv		99
59) m/p-Xylene	9.539	91	392158	9.822	ppbv	#	29
60) o-Xylene	9.969	91	348346	8.834	ppbv		100
61) Styrene	9.878	104	161979	9.099	ppbv		98
62) Isopropylbenzene	10.545	105	621758	8.726	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	215911	8.177	ppbv		100
64) n-propylbenzene	10.995	120	160411	8.503	ppbv		94
65) tert-Butylbenzene	11.536	119	532570	8.464	ppbv		98
66) Benzyl Chloride	11.620	91	58169	8.306	ppbv		98
67) sec-Butylbenzene	11.772	105	762711	8.541	ppbv		98
69) p-Isopropyltoluene	11.930	119	638261	8.411	ppbv		99
70) n-Butylbenzene	12.286	91	641547	8.579	ppbv		99
71) 2-Chlorotoluene	10.904	91	479799	8.828	ppbv		99
72) 4-Ethyltoluene	11.128	105	427034	8.807	ppbv		99
73) 1,3,5-Trimethylbenzene	11.209	105	354875	8.874	ppbv		95
74) 1,2,4-Trimethylbenzene	11.542	105	372506	8.324	ppbv		92
75) 1,3-Dichlorobenzene	11.610	146	219423	8.454	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	221364	8.458	ppbv		99
77) 1,2-Dichlorobenzene	11.953	146	204178	8.132	ppbv		98
78) Hexachloro-1,3-Butadiene	13.885	225	144646	7.440	ppbv		99
79) Naphthalene	13.516	128	389814	8.334	ppbv		99
80) Naphthalene,2-methyl-	14.458	142	123632	10.146	ppbv		97
81) 1,2,4-Trichlorobenzene	13.445	180	162553	8.373	ppbv		98

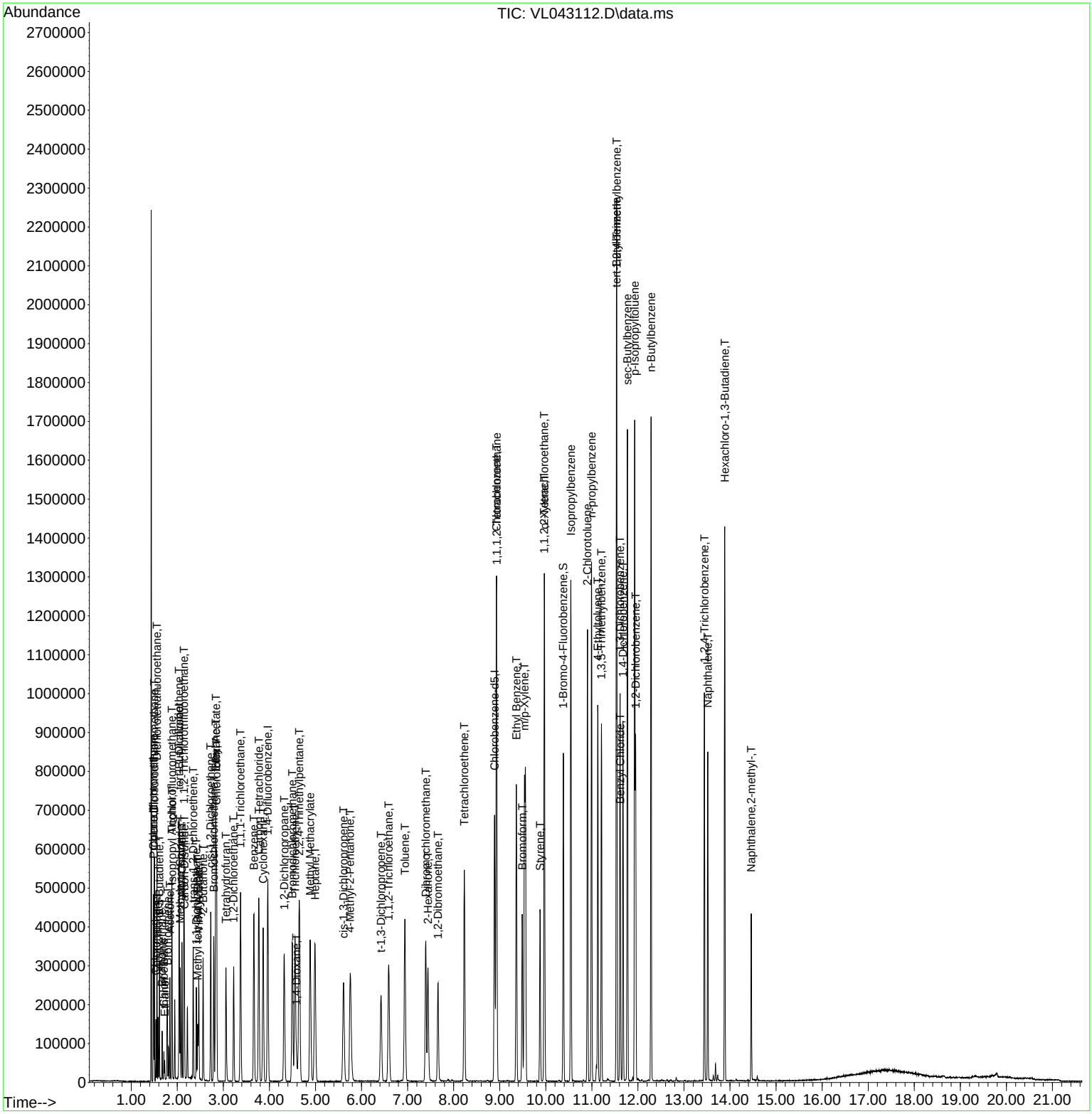
(#) = qualifier out of range (m) = manual integration (+) = signals summed

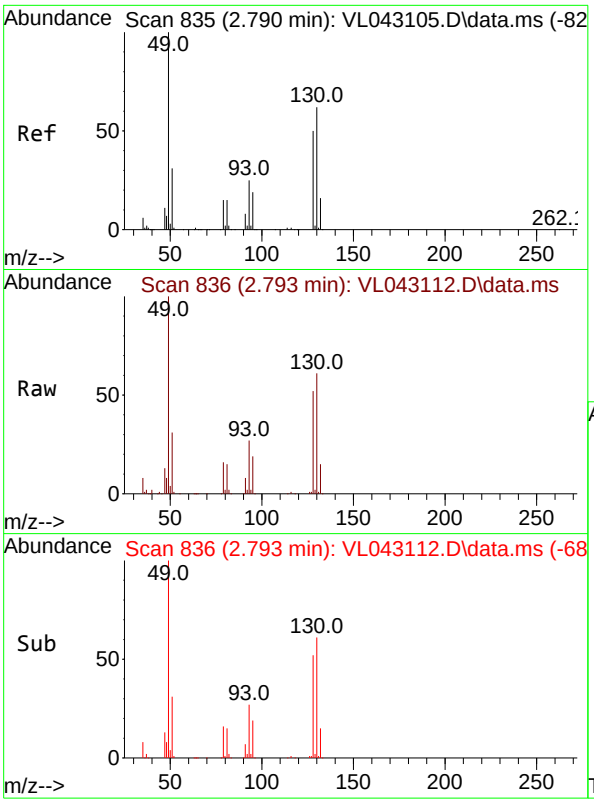
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Quant Time: Oct 15 02:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



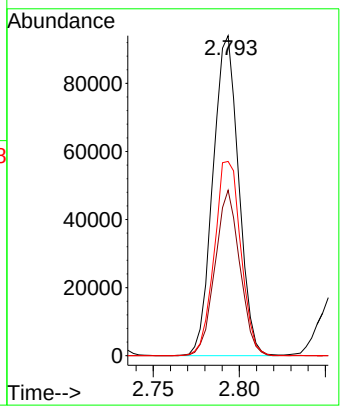


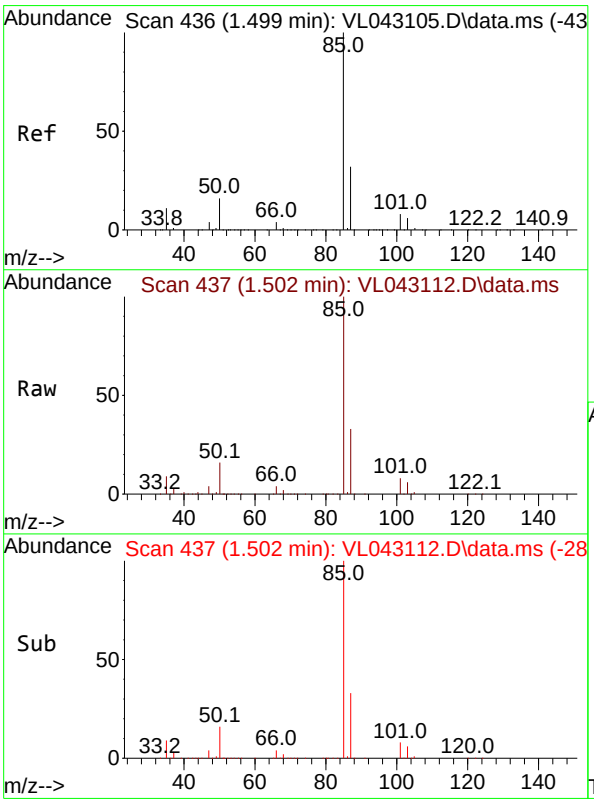
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 49 Resp: 97563

Ion	Ratio	Lower	Upper
49	100		
128	50.0	24.4	73.4
130	62.8	31.0	93.0

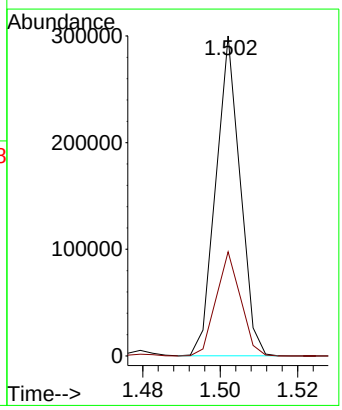


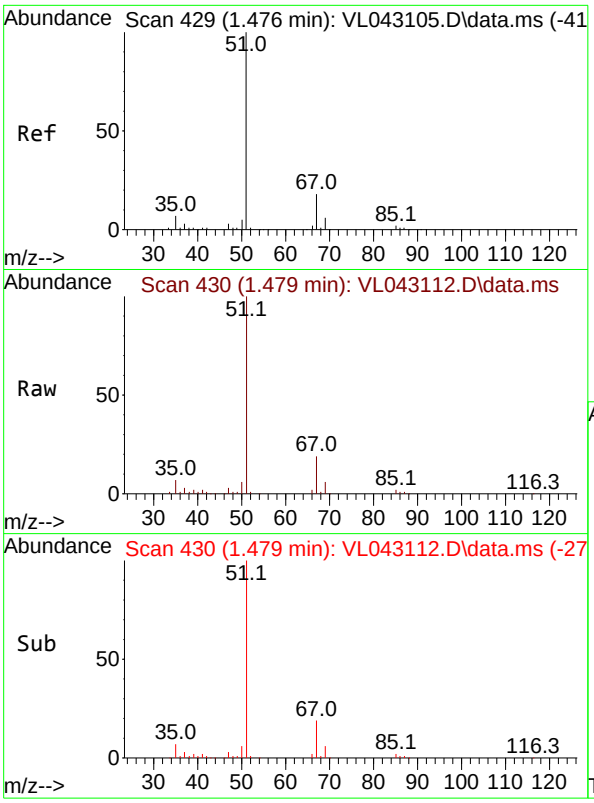


#2
Dichlorodifluoromethane
Concen: 9.425 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 85 Resp: 130726

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.3	37.9



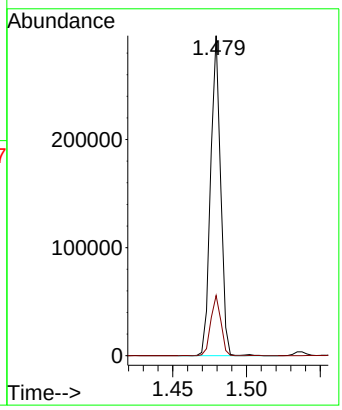


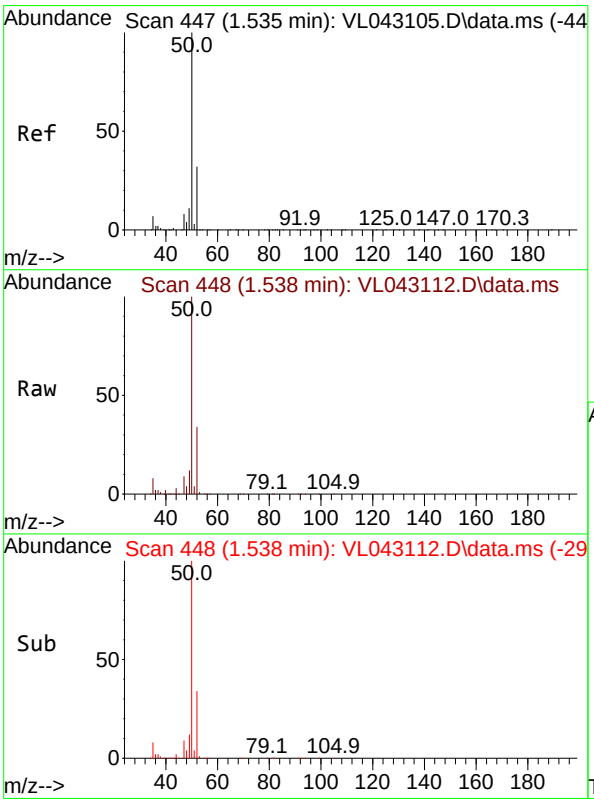
#3
Chlorodifluoromethane
Concen: 9.260 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 51 Resp: 138956

Ion	Ratio	Lower	Upper
51	100		
67	19.1	15.1	22.7

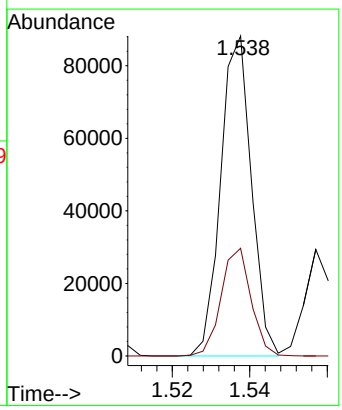


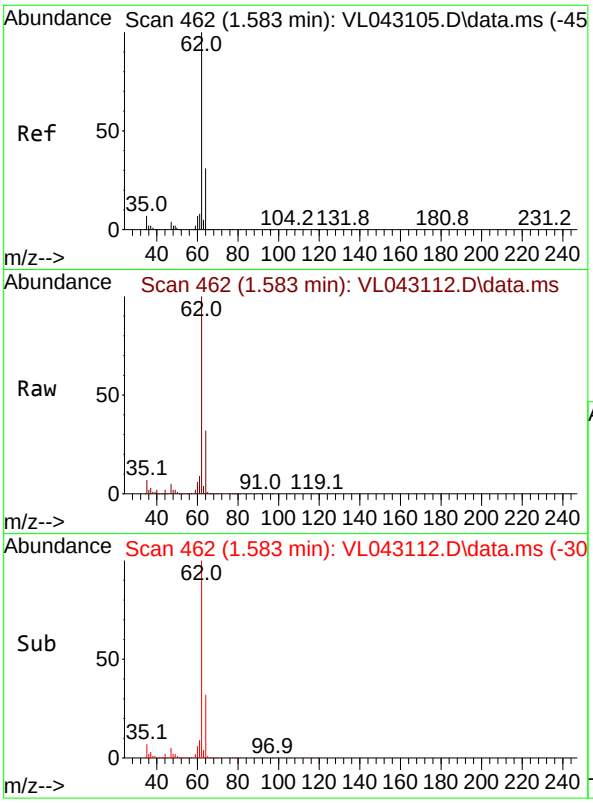


#4
Chloromethane
Concen: 8.867 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 50 Resp: 48722

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.2	37.8



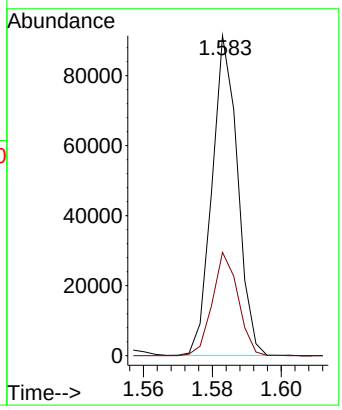


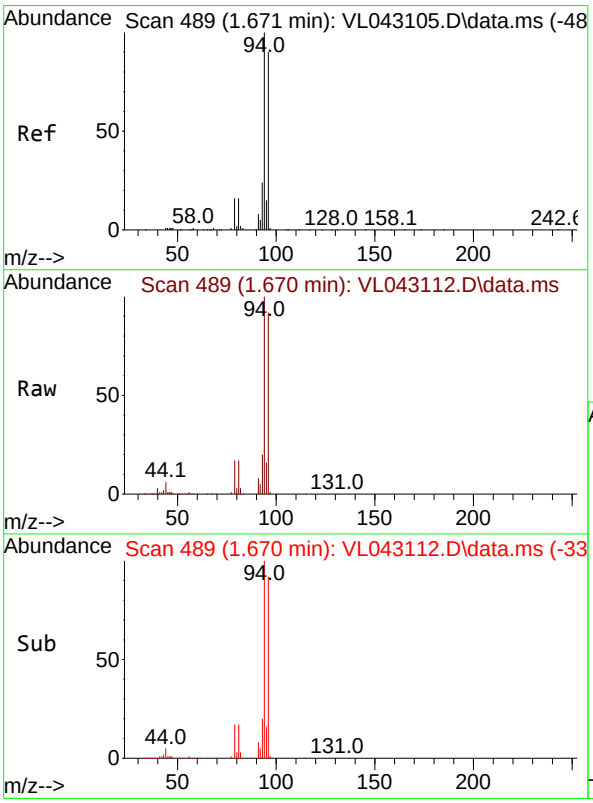
#5
Vinyl Chloride
Concen: 8.722 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 62 Resp: 47005

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.6	36.8

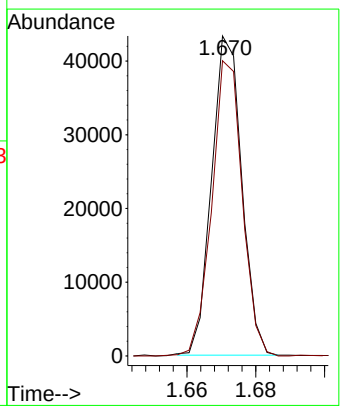


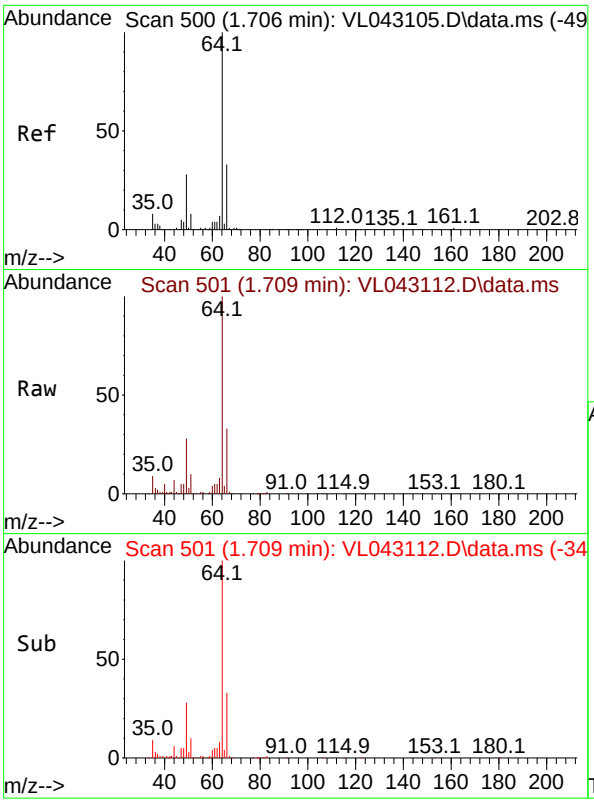


#6
Bromomethane
Concen: 8.901 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 94 Resp: 26304

Ion	Ratio	Lower	Upper
94	100		
96	92.5	72.2	108.4



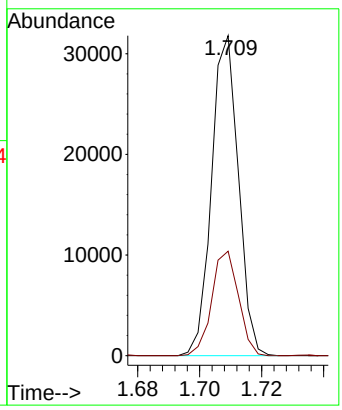


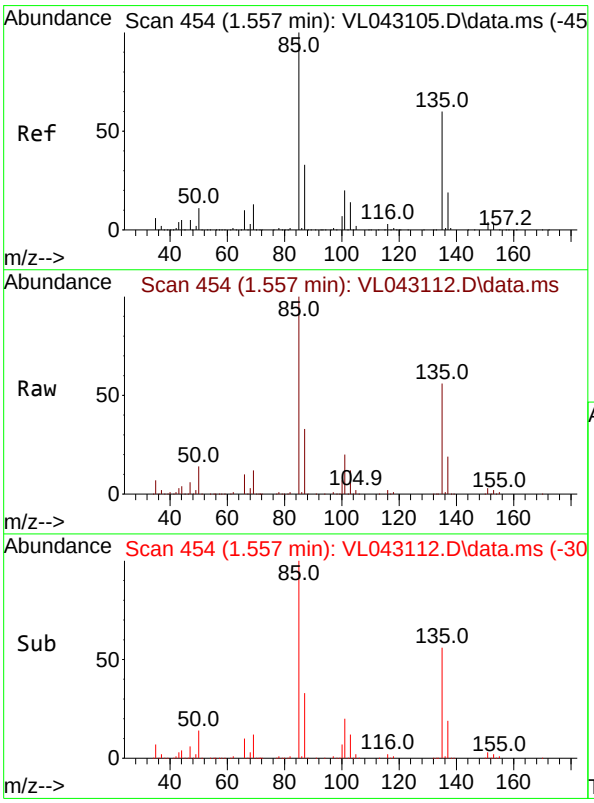
#7
Chloroethane
Concen: 8.685 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 64 Resp: 19138

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.0	39.0

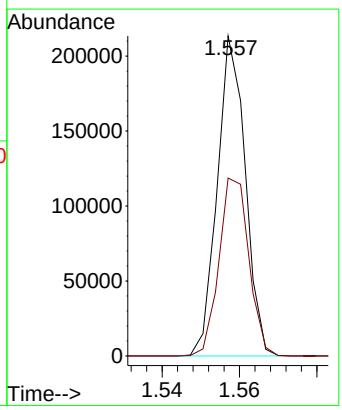


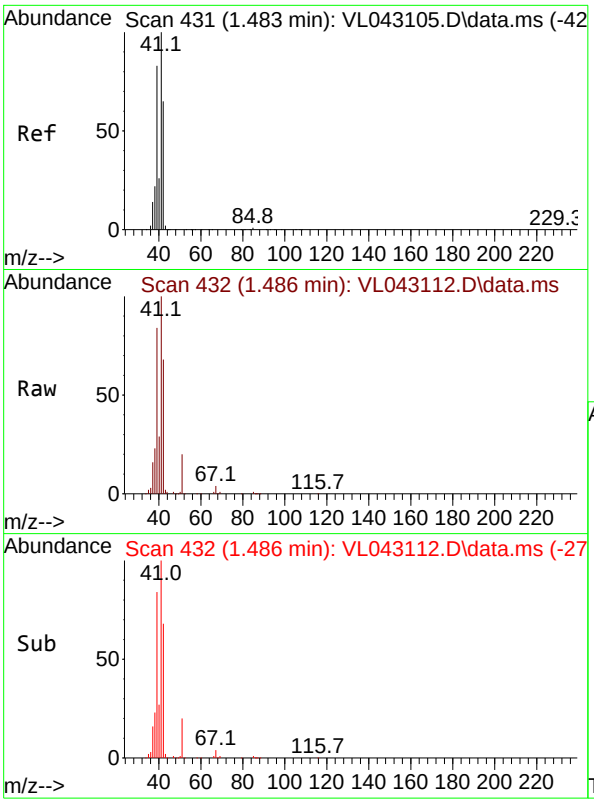


#8
Dichlorotetrafluoroethane
Concen: 9.558 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 85 Resp: 107147

Ion	Ratio	Lower	Upper
85	100		
135	59.5	48.2	72.4



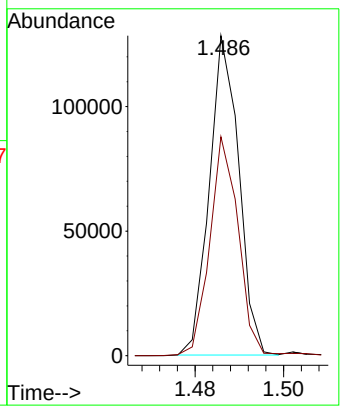


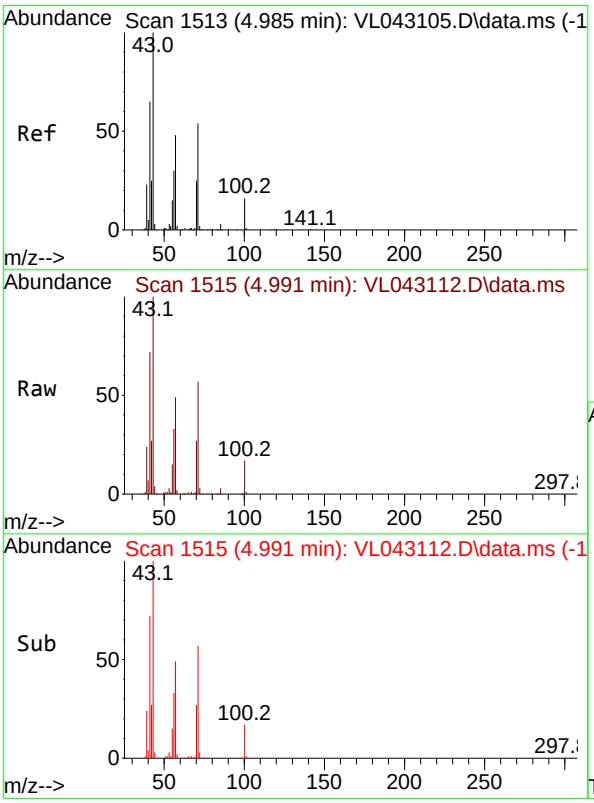
#9
Propene
Concen: 8.908 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 41 Resp: 59287

Ion	Ratio	Lower	Upper
41	100		
42	67.3	55.1	82.7

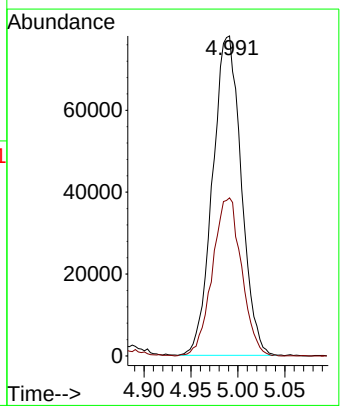


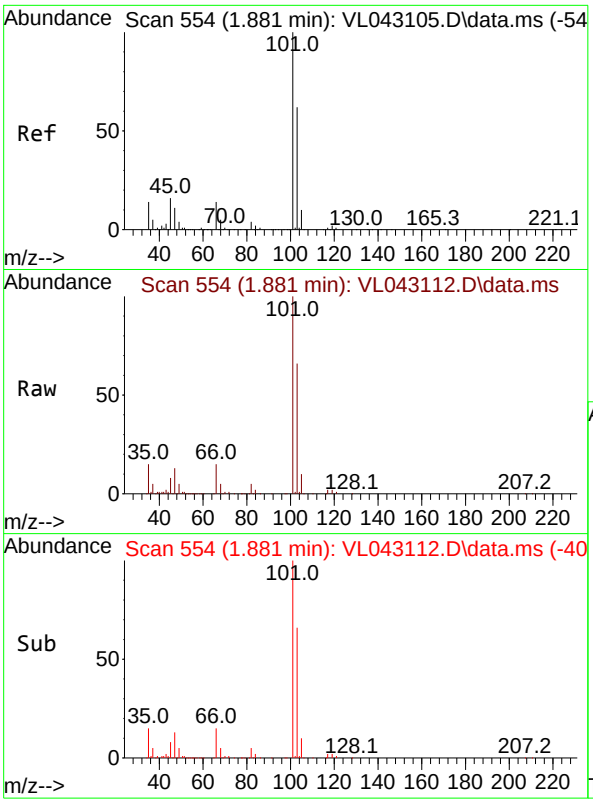


#10
Heptane
Concen: 8.629 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 43 Resp: 165341

Ion	Ratio	Lower	Upper
43	100		
57	50.4	40.8	61.2



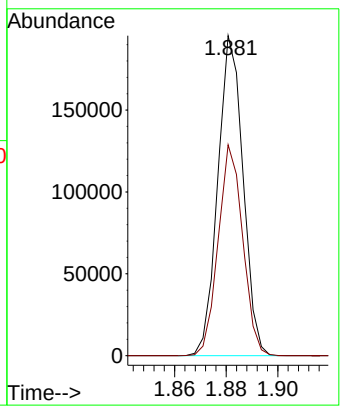


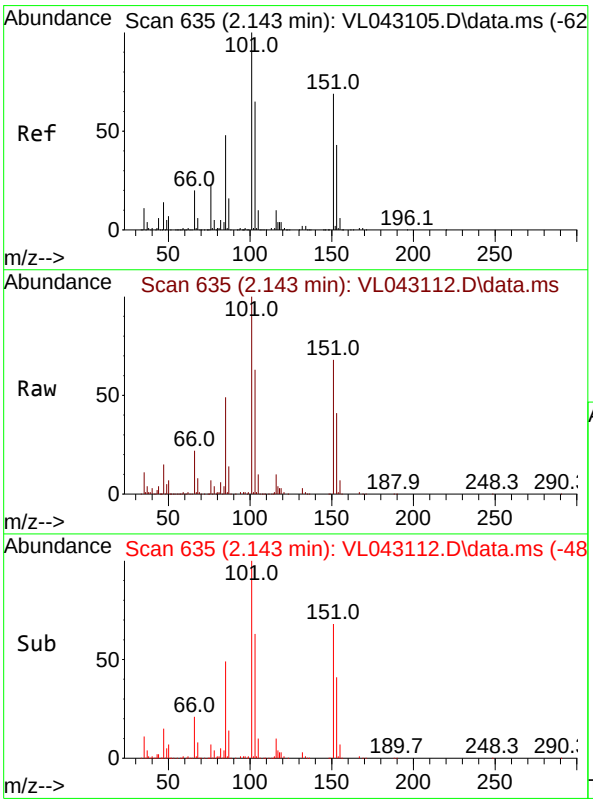
#11
Trichlorofluoromethane
Concen: 9.762 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:101 Resp: 132447

Ion	Ratio	Lower	Upper
101	100		
103	65.9	49.3	73.9

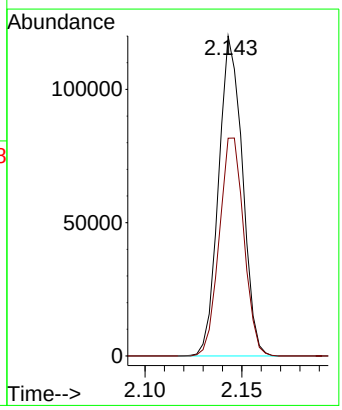


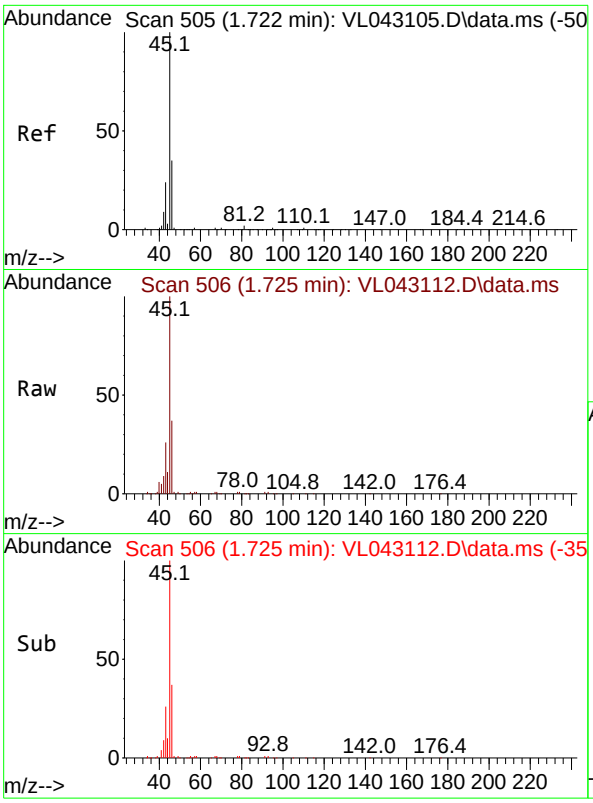


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.380 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:101 Resp: 102449

Ion	Ratio	Lower	Upper
101	100		
151	70.4	54.7	82.1



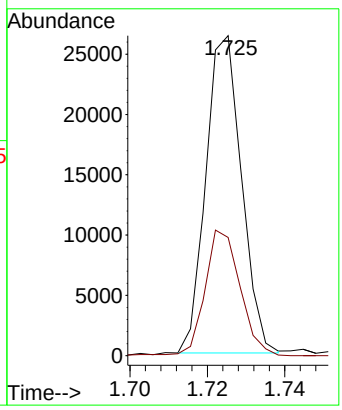


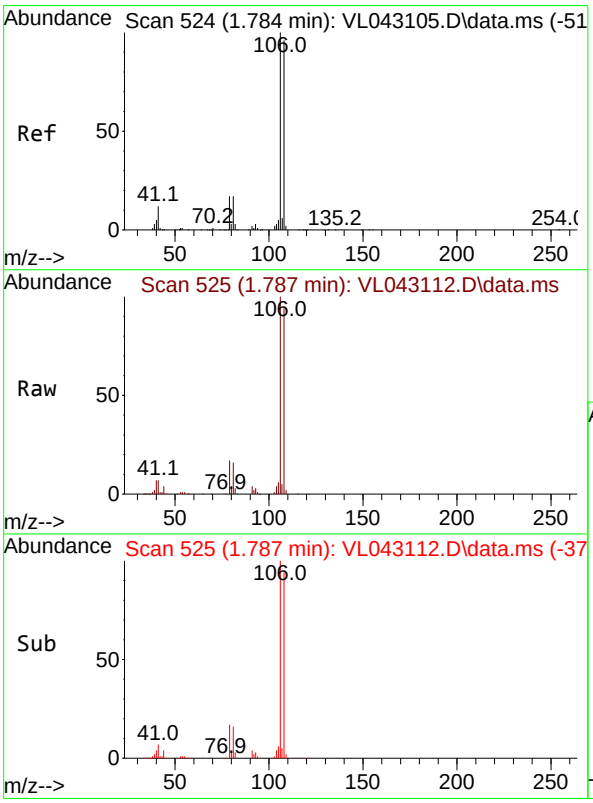
#13
Ethanol
Concen: 6.839 ppbv
RT: 1.725 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 45 Resp: 16837

Ion	Ratio	Lower	Upper
45	100		
46	39.2	14.7	58.9

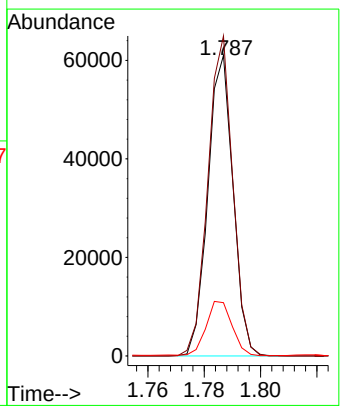


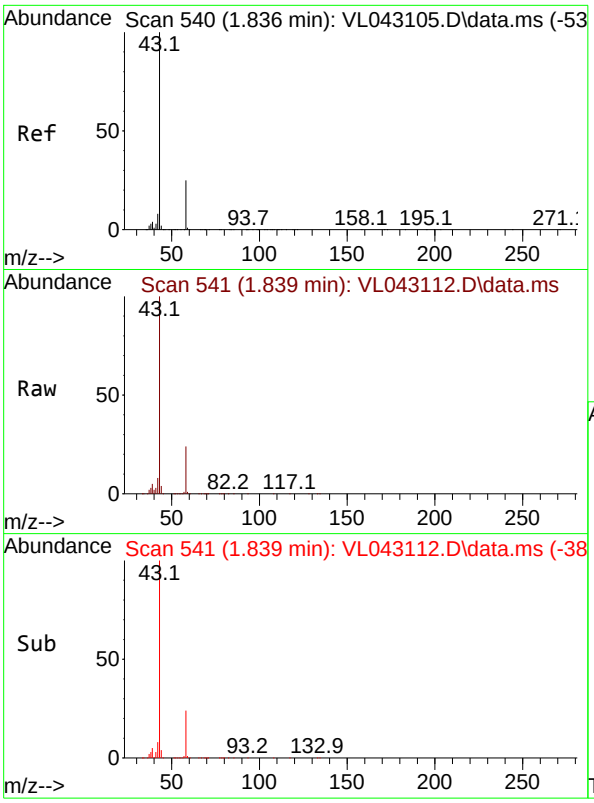


#14
Bromoethene
Concen: 9.324 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:108 Resp: 37835

Ion	Ratio	Lower	Upper
108	100		
106	105.3	84.4	126.6
79	18.7	15.3	22.9



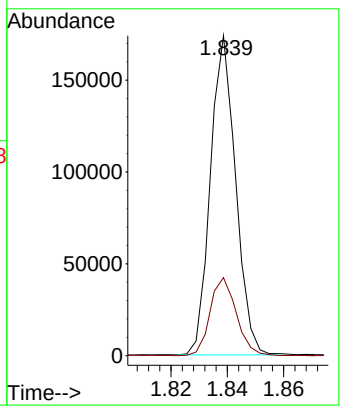


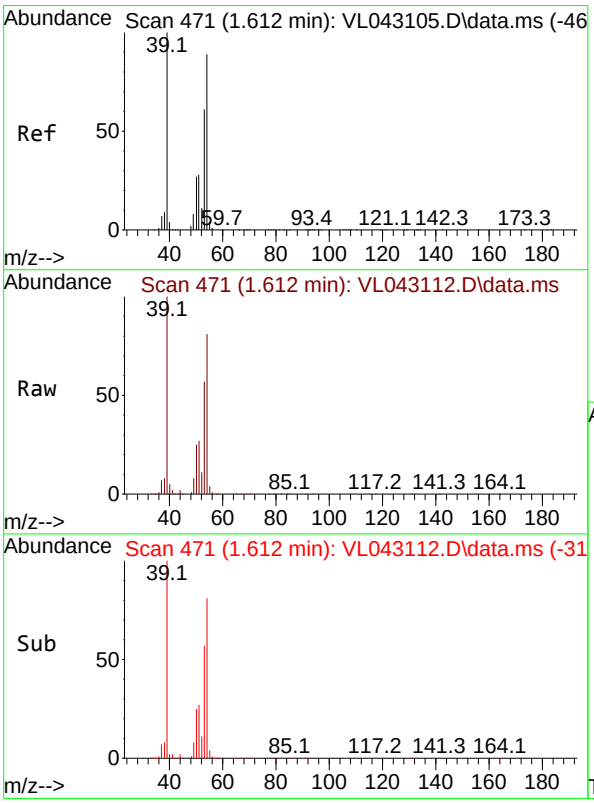
#15
Acetone
Concen: 8.214 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 43 Resp: 108010

Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.8	31.2

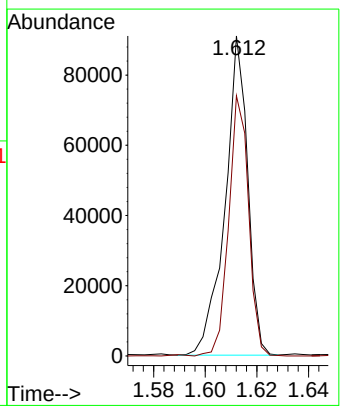


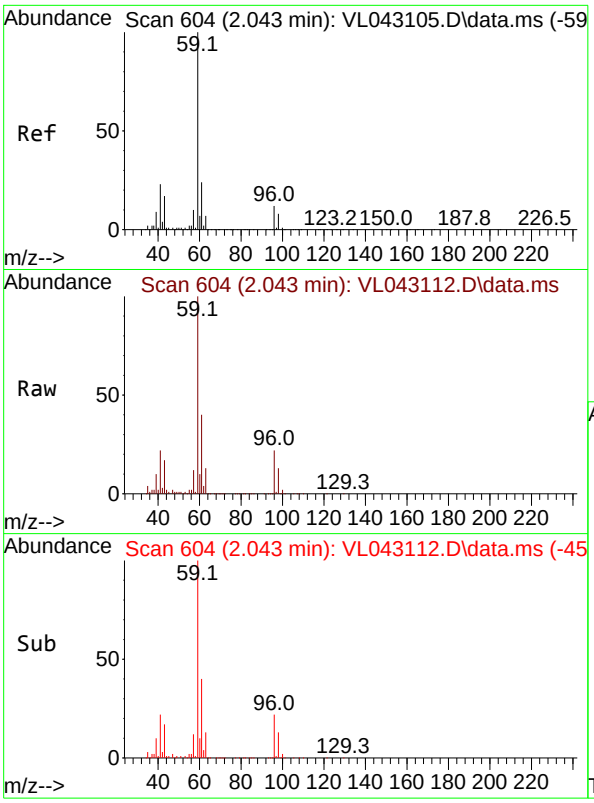


#16
1,3-Butadiene
Concen: 8.855 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 39 Resp: 55493

Ion	Ratio	Lower	Upper
39	100		
54	72.0	59.0	88.4



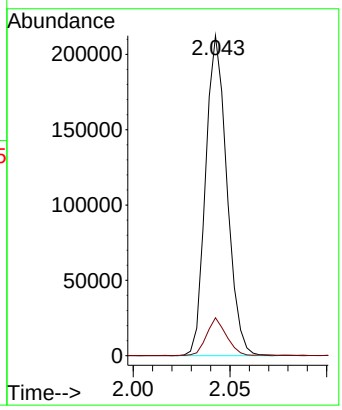


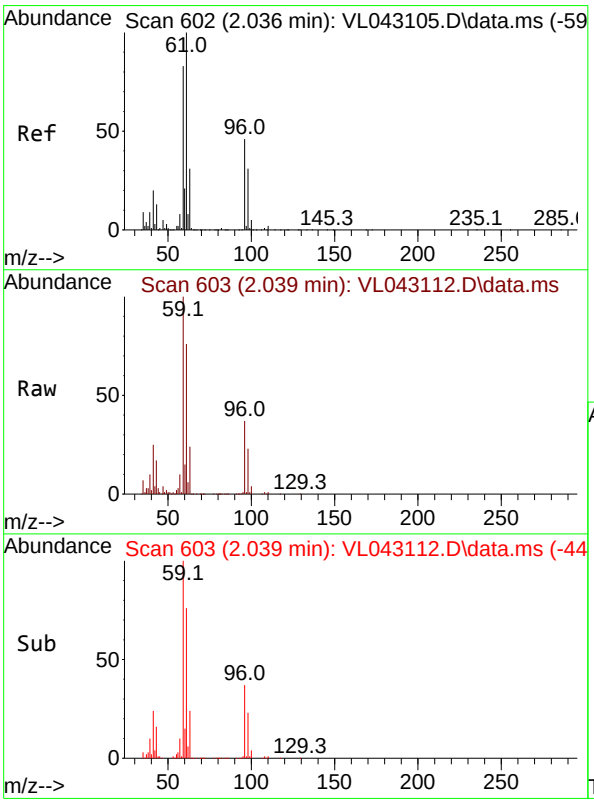
#17
tert-Butyl alcohol
Concen: 9.012 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 59 Resp: 162672

Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.2	12.4

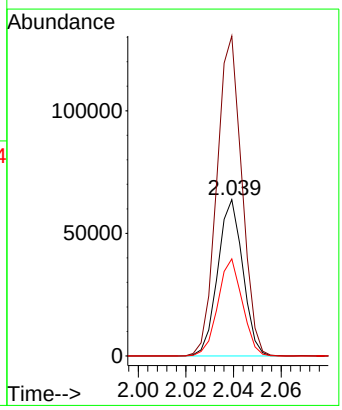


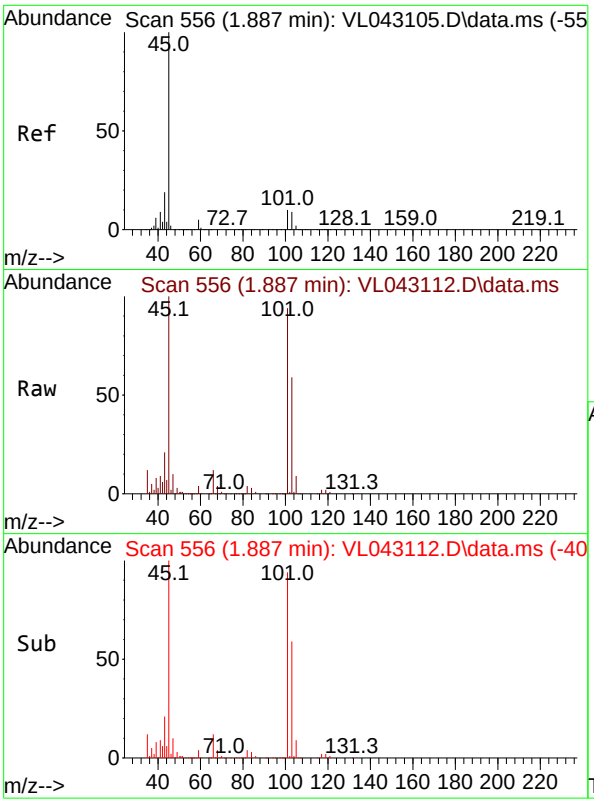


#18
1,1-Dichloroethene
Concen: 9.774 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 96 Resp: 46544

Ion	Ratio	Lower	Upper
96	100		
61	204.7	173.4	260.0
98	62.1	53.2	79.8



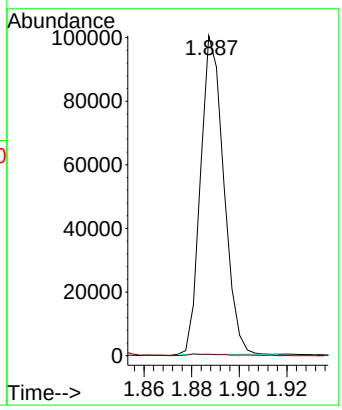


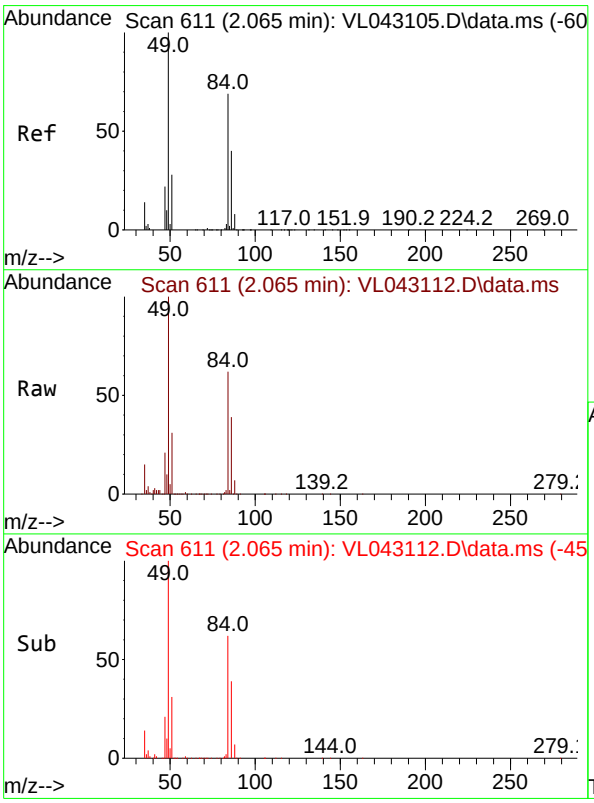
#19
Isopropyl Alcohol
Concen: 8.248 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 45 Resp: 67552

Ion	Ratio	Lower	Upper
45	100		
58	41.1	31.3	46.9

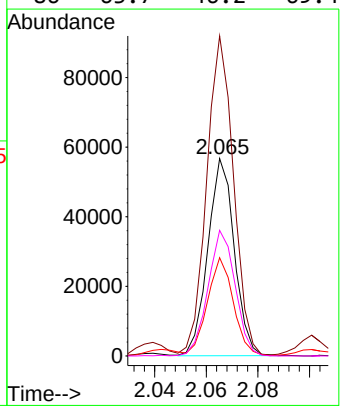


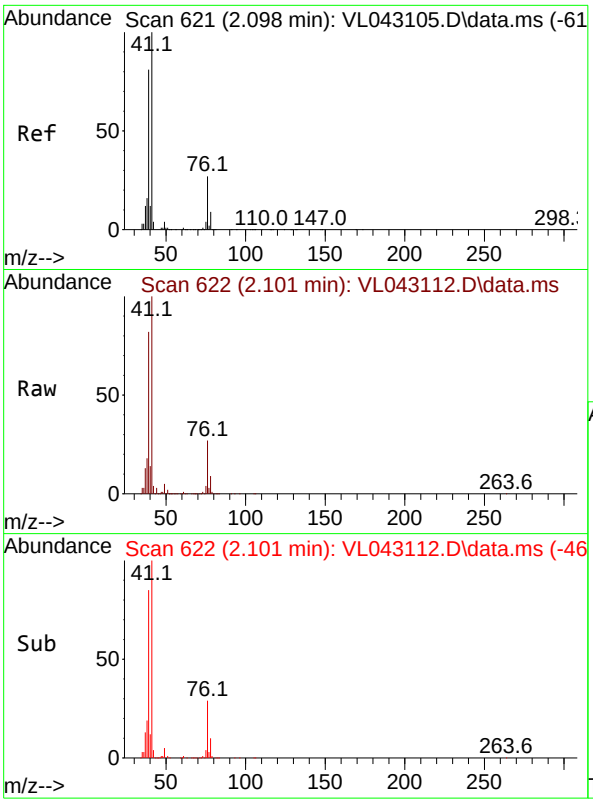


#20
Methylene Chloride
Concen: 7.757 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 84 Resp: 40319

Ion	Ratio	Lower	Upper
84	100		
49	161.4	116.6	175.0
51	49.4	34.8	52.2
86	63.7	46.2	69.4



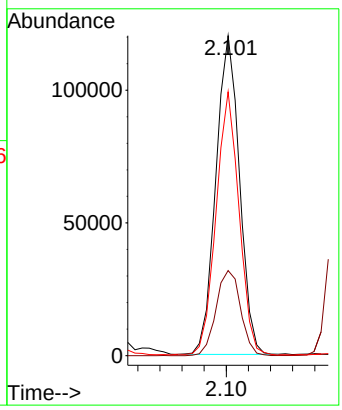


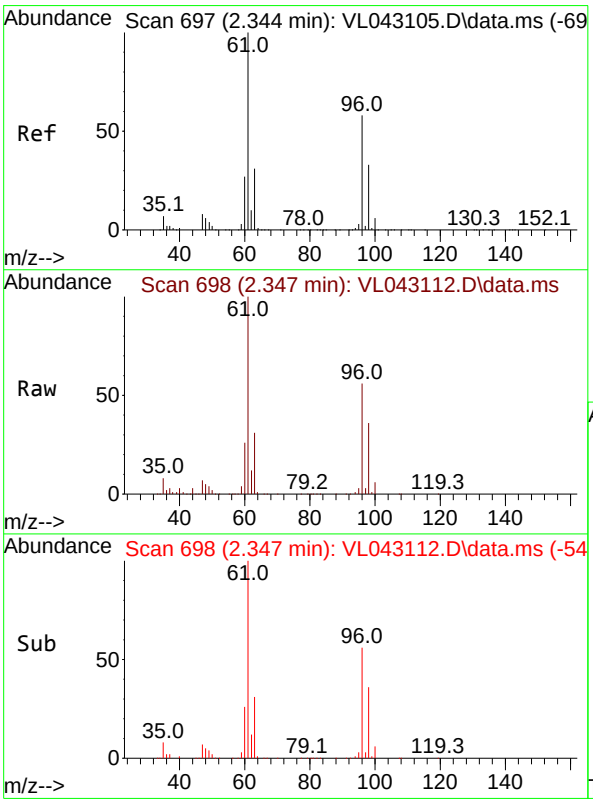
#21
Allyl Chloride
Concen: 9.181 ppbv
RT: 2.101 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 41 Resp: 88965

Ion	Ratio	Lower	Upper
41	100		
76	27.7	21.5	32.3
39	80.2	60.8	91.2

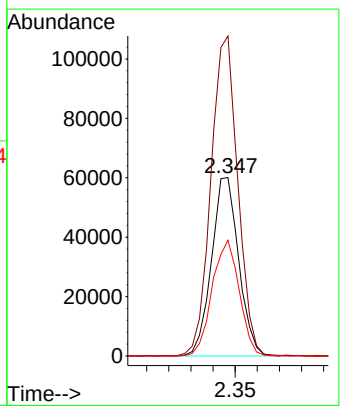


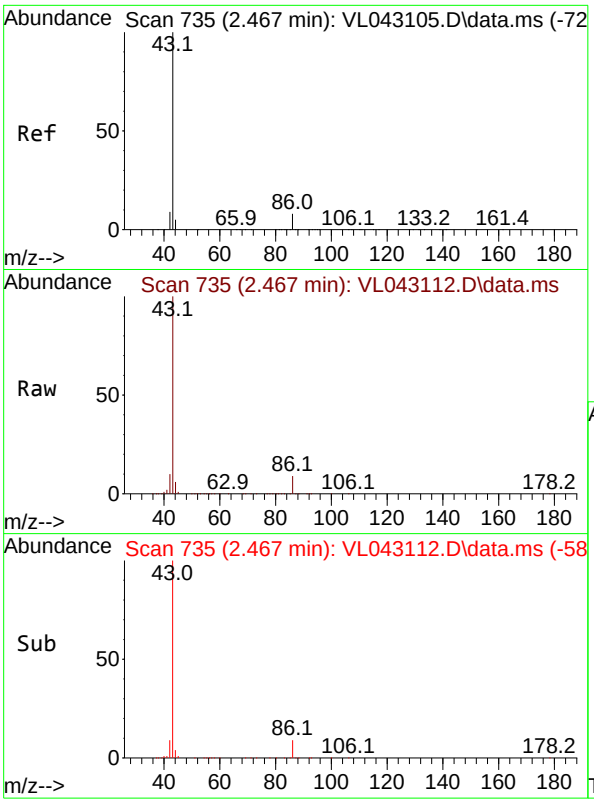


#22
trans-1,2-Dichloroethene
Concen: 9.011 ppbv
RT: 2.347 min Scan# 698
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 96 Resp: 51295

Ion	Ratio	Lower	Upper
96	100		
61	179.2	137.0	205.6
98	64.8	45.5	68.3



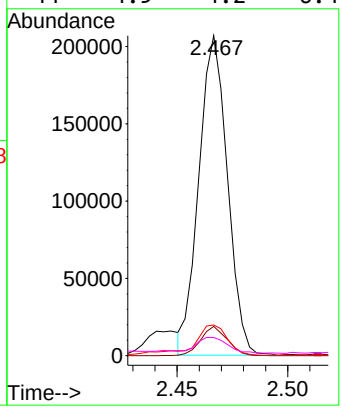


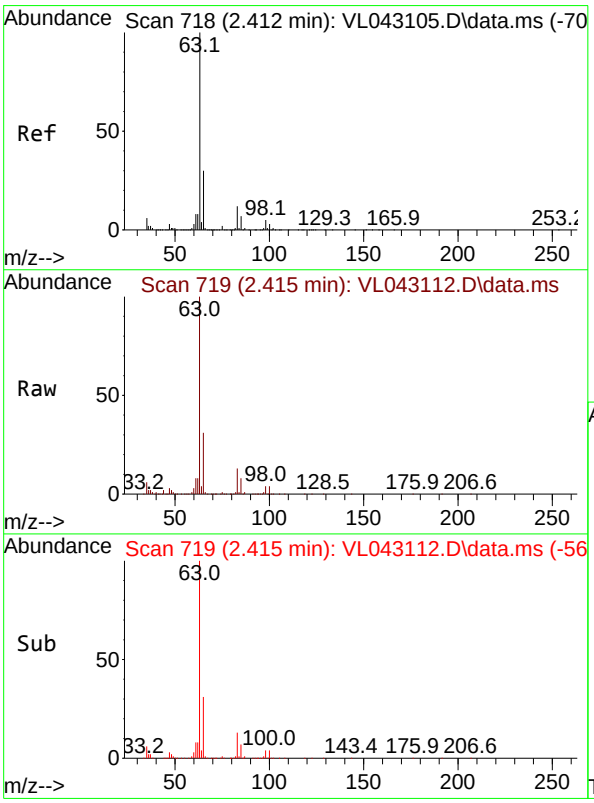
#23
Vinyl Acetate
Concen: 9.621 ppbv
RT: 2.467 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 43 Resp: 185329

Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.2	9.2
42	9.5	7.6	11.4
44	4.9	4.2	6.4

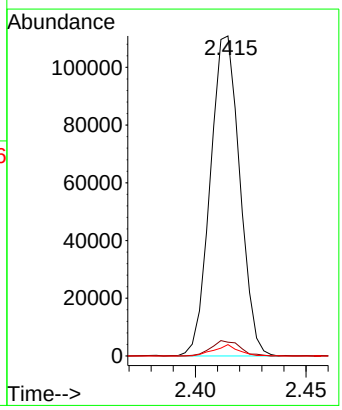


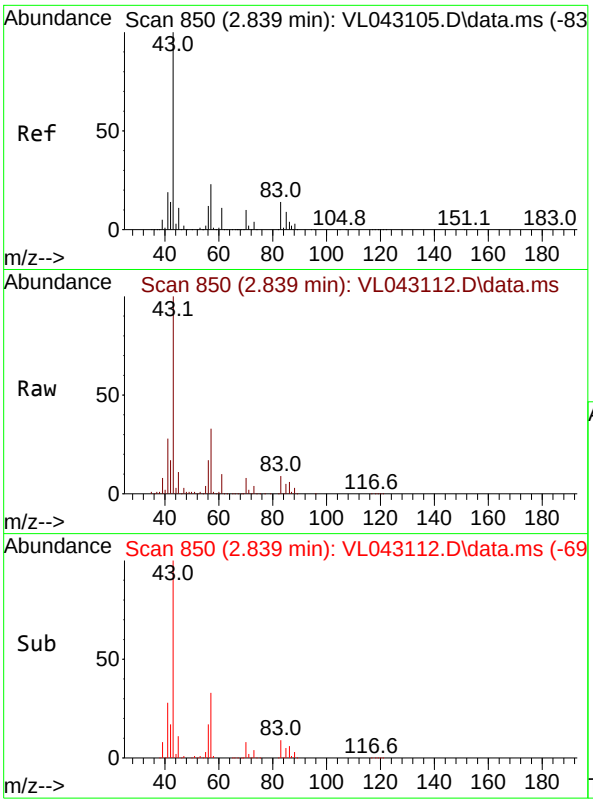


#24
1,1-Dichloroethane
Concen: 9.355 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 63 Resp: 102877

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.6	7.8
100	3.5	1.5	4.4



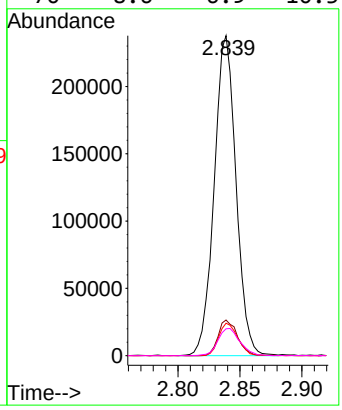


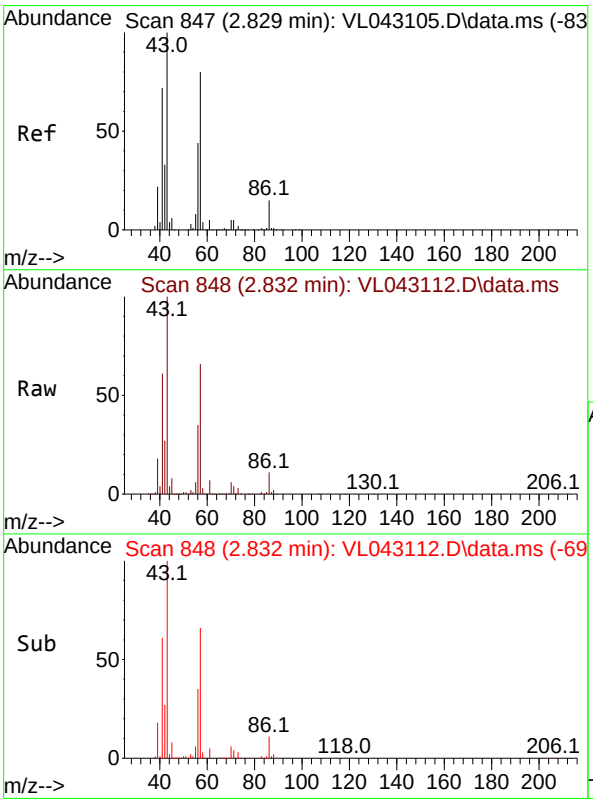
#25
Ethyl Acetate
Concen: 8.966 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 43 Resp: 292399

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.8
61	9.0	7.0	10.6
70	8.6	6.9	10.3

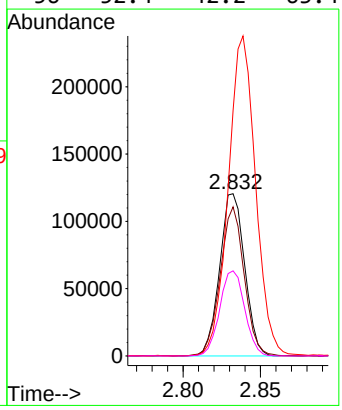


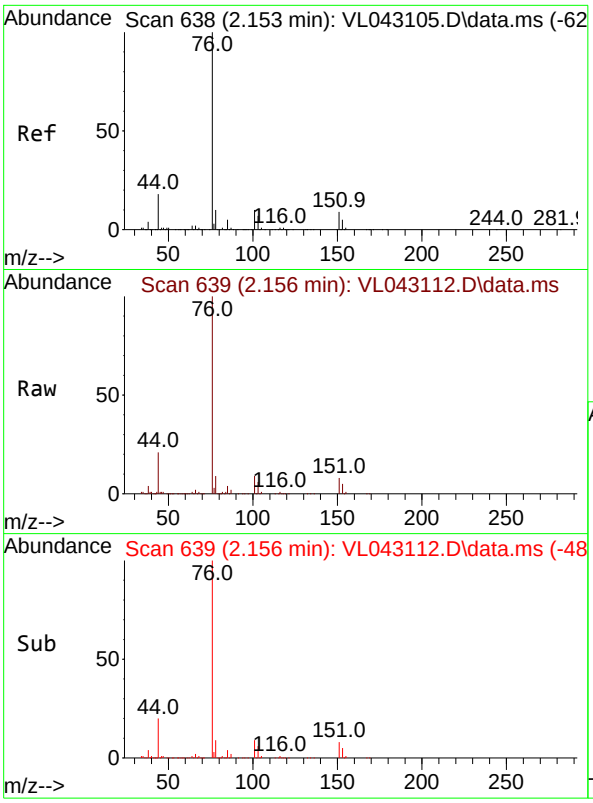


#26
Hexane
Concen: 9.015 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 57 Resp: 135463

Ion	Ratio	Lower	Upper
57	100		
41	88.9	71.4	107.0
43	216.8	178.5	267.7
56	52.4	42.2	63.4



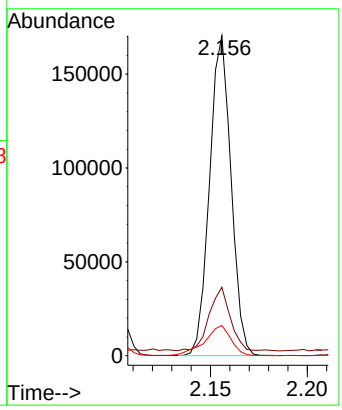


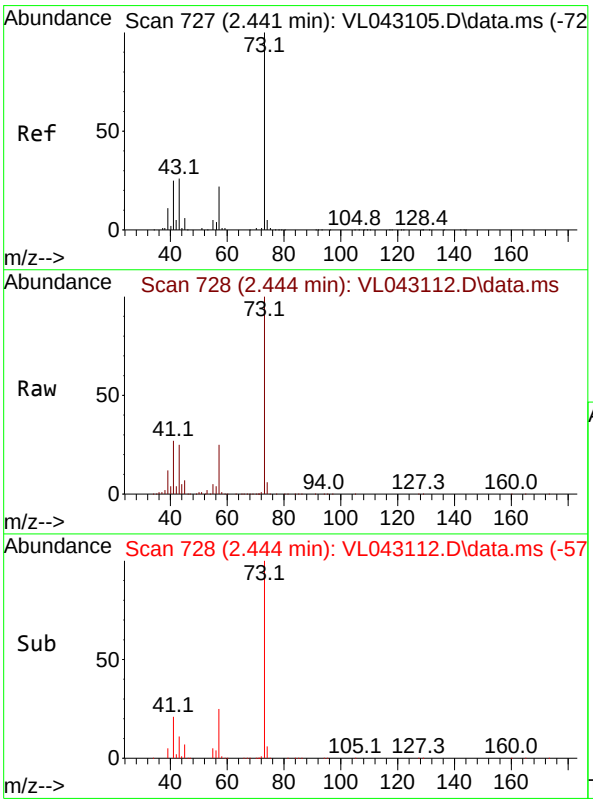
#27
Carbon Disulfide
Concen: 9.520 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 76 Resp: 131064

Ion	Ratio	Lower	Upper
76	100		
44	20.7	16.7	25.1
78	11.7	9.3	13.9

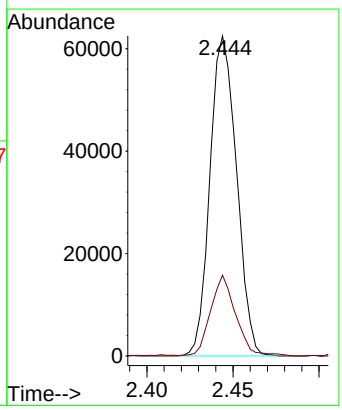


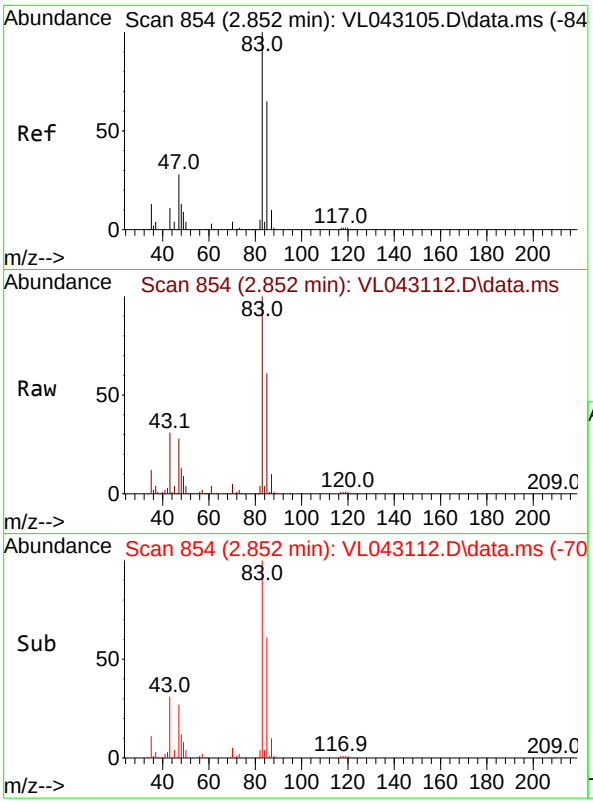


#28
Methyl tert-Butyl Ether
Concen: 9.839 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 73 Resp: 67260

Ion	Ratio	Lower	Upper
73	100		
57	24.1	20.5	30.7



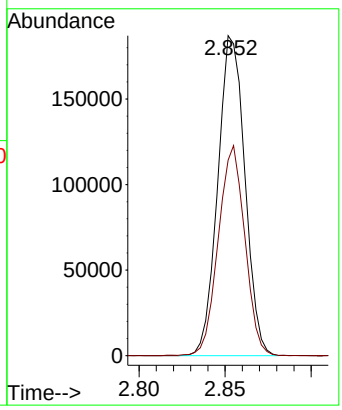


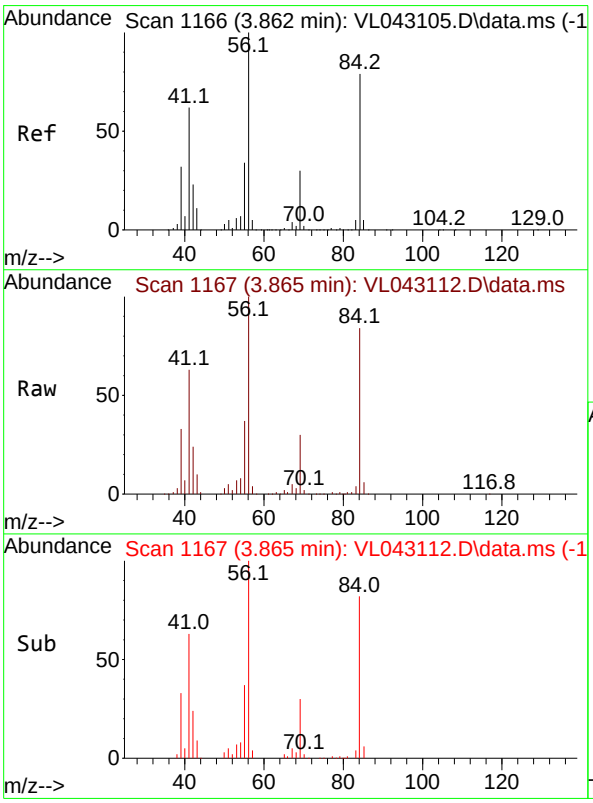
#29
Chloroform
Concen: 9.412 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 83 Resp: 204925

Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.8	77.6

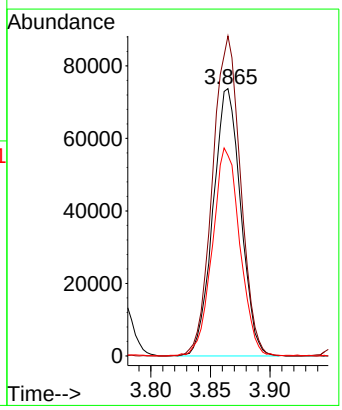


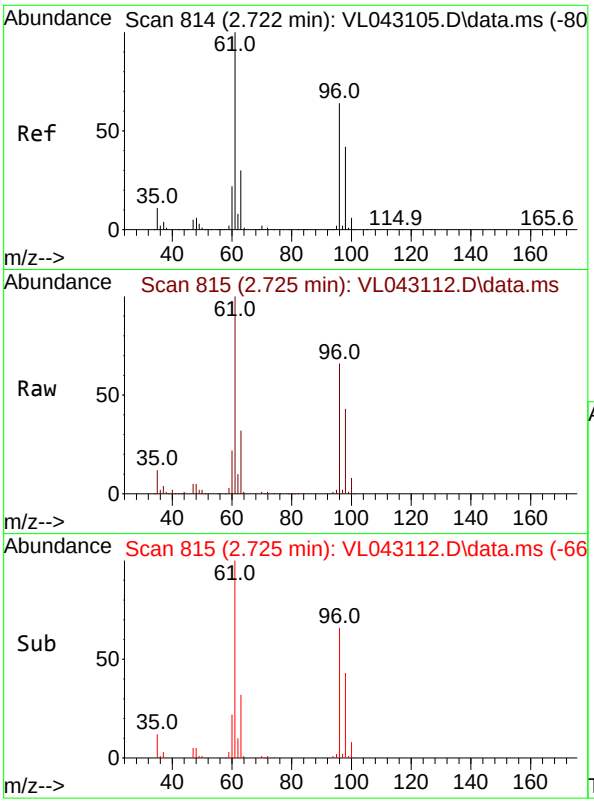


#30
Cyclohexane
Concen: 9.096 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 84 Resp: 119287

Ion	Ratio	Lower	Upper
84	100		
56	120.8	100.9	151.3
41	77.4	63.8	95.6



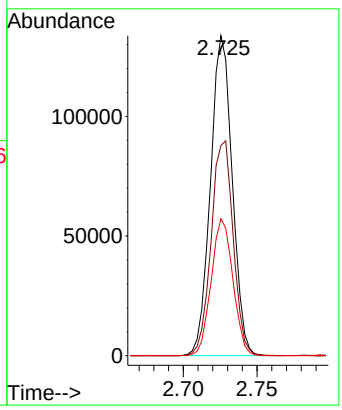


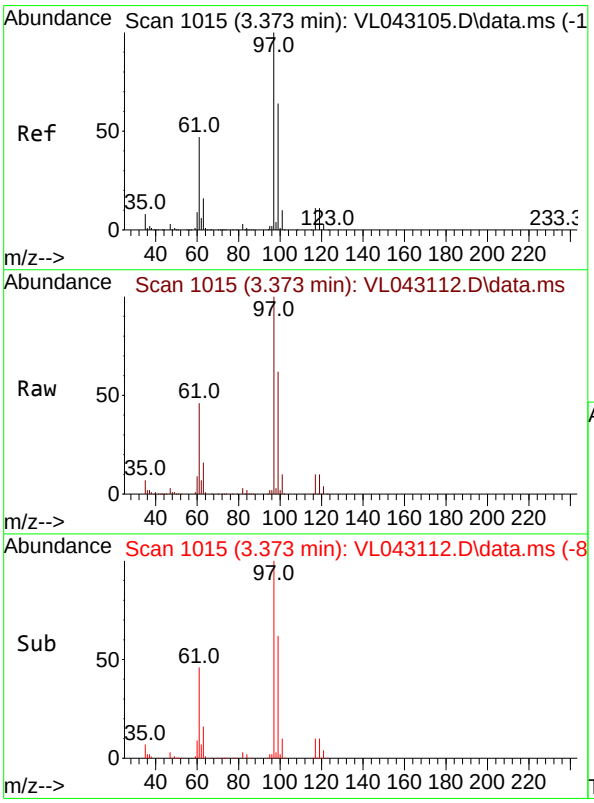
#31
cis-1,2-Dichloroethene
Concen: 9.580 ppbv
RT: 2.725 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 61 Resp: 137462

Ion	Ratio	Lower	Upper
61	100		
96	65.7	51.0	76.6
98	42.8	33.5	50.3

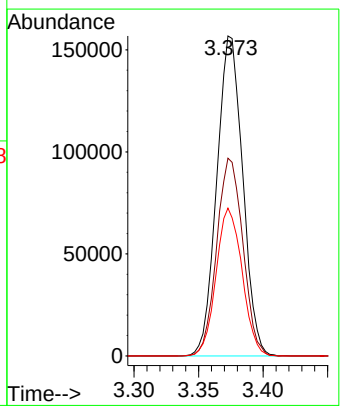


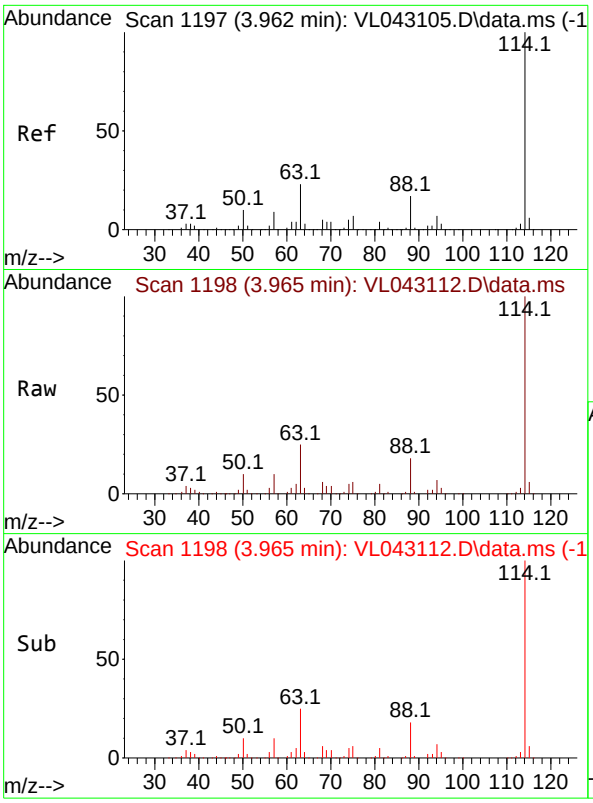


#32
1,1,1-Trichloroethane
Concen: 9.666 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 97 Resp: 219167

Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.3	76.9
61	46.4	38.4	57.6



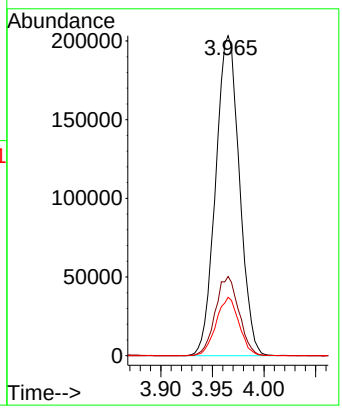


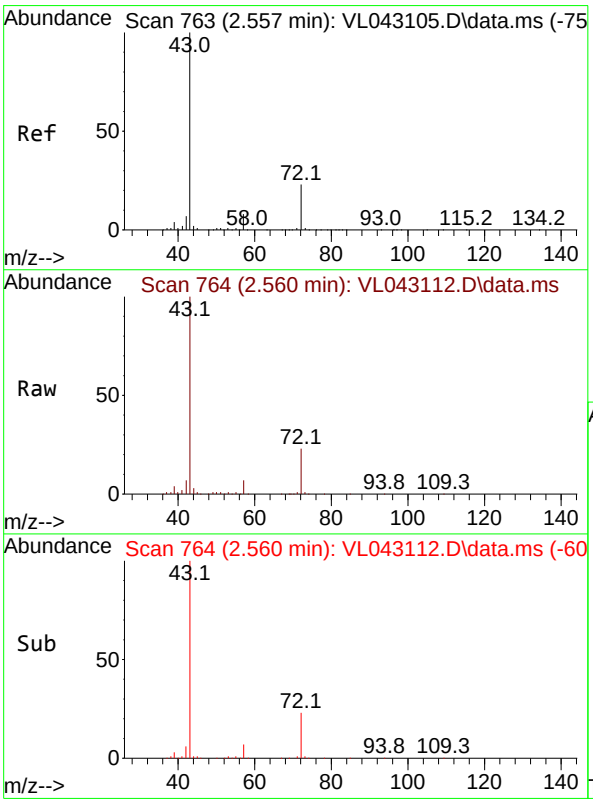
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:114 Resp: 325610

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.3	28.9
88	17.6	13.9	20.9

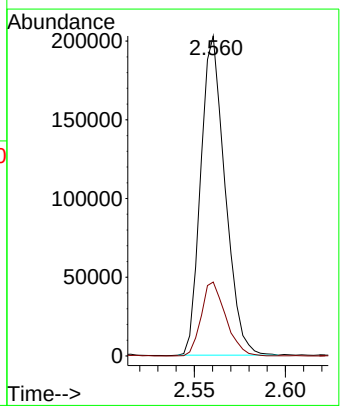


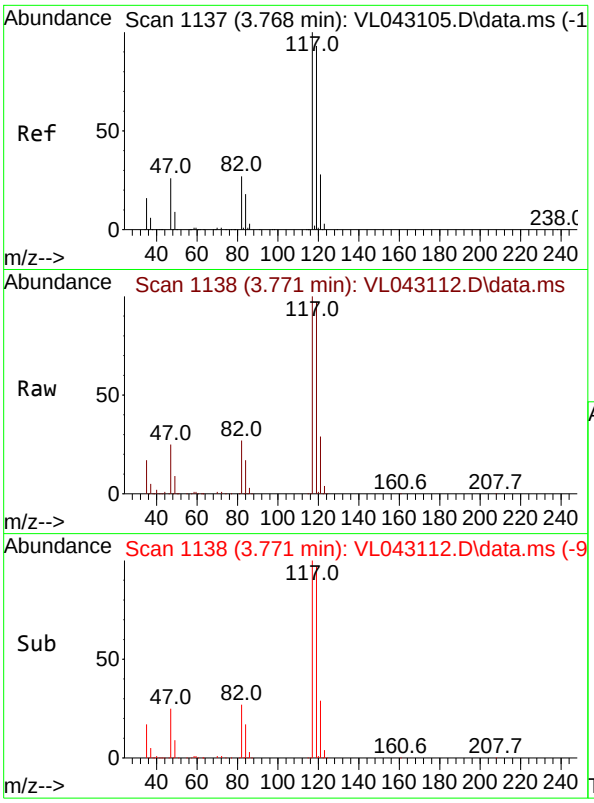


#34
2-Butanone
Concen: 8.624 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 43 Resp: 188755

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.4	27.6



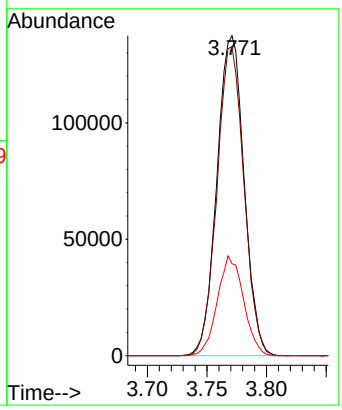


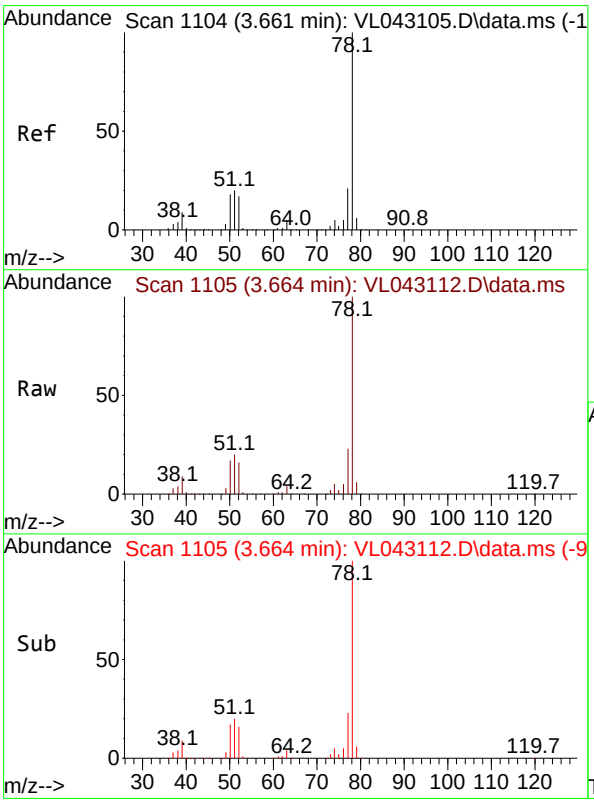
#35
Carbon Tetrachloride
Concen: 9.298 ppbv
RT: 3.771 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:117 Resp: 217678

Ion	Ratio	Lower	Upper
117	100		
119	96.6	74.1	111.1
121	28.7	22.2	33.2

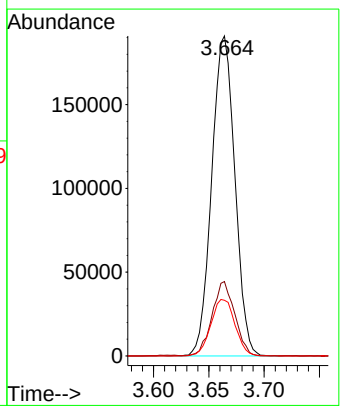


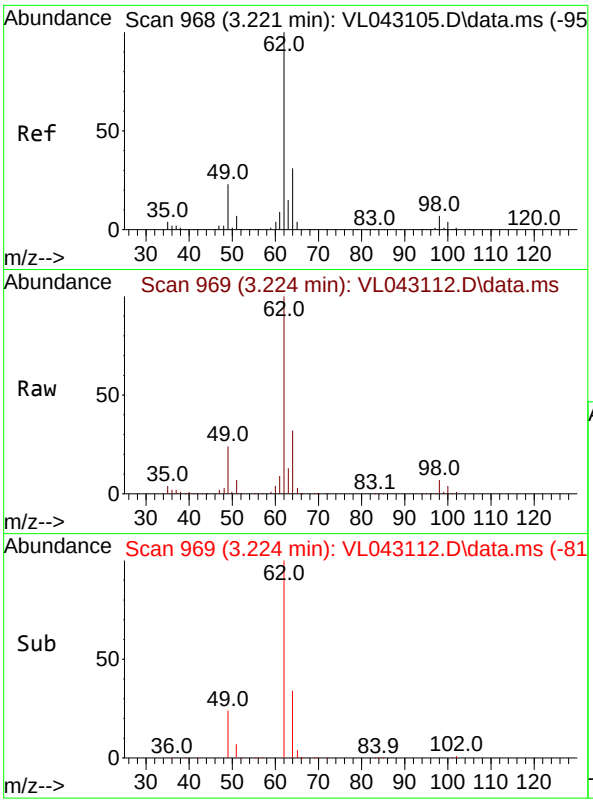


#36
Benzene
Concen: 9.077 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 78 Resp: 278365

Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.0	25.6
50	17.4	14.6	22.0



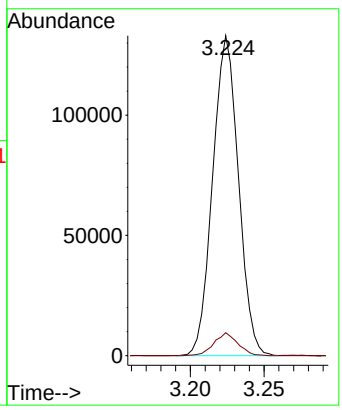


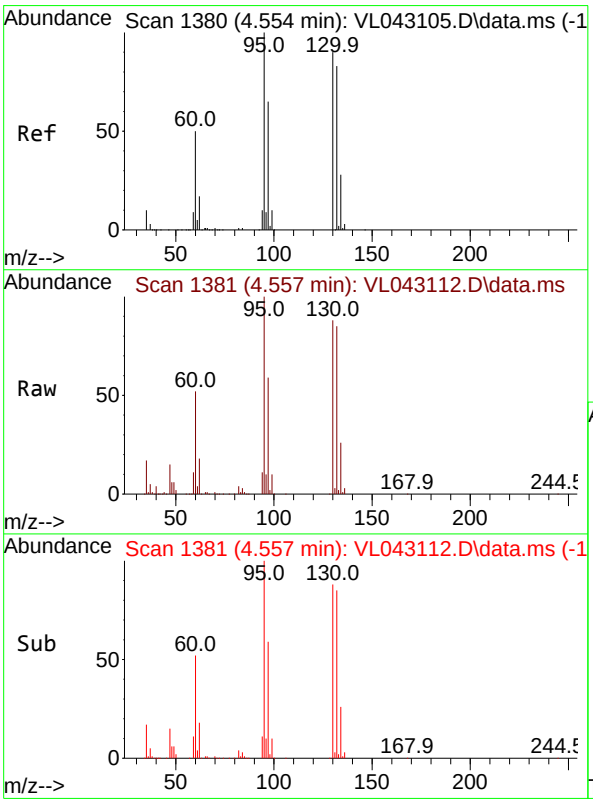
#37
1,2-Dichloroethane
Concen: 9.156 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 62 Resp: 161750

Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.8	8.6

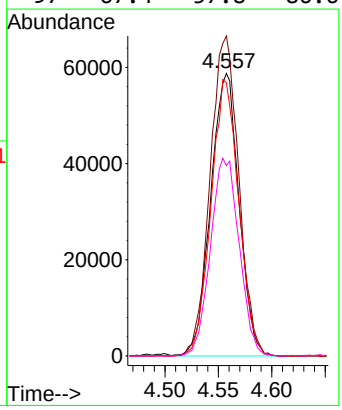


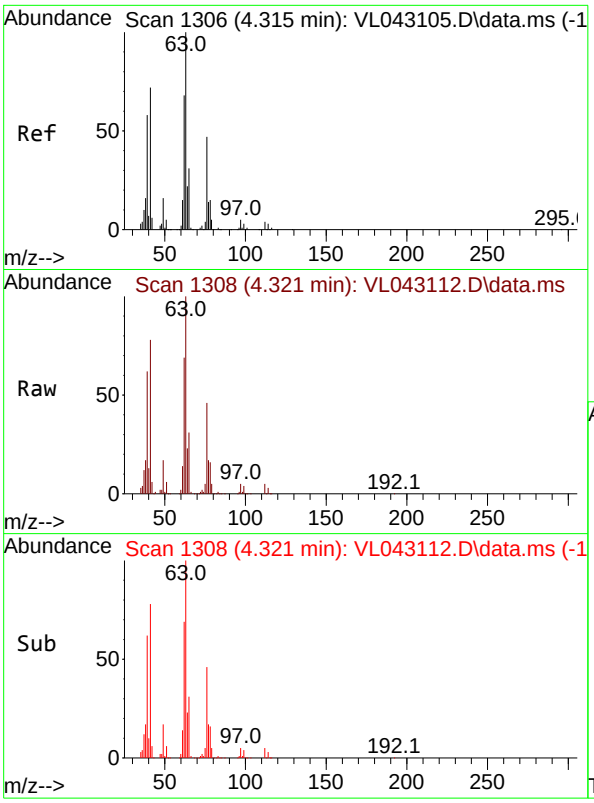


#38
Trichloroethene
Concen: 8.453 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:130 Resp: 108261

Ion	Ratio	Lower	Upper
130	100		
95	113.2	88.6	133.0
132	96.7	73.4	110.0
97	67.4	57.8	86.6



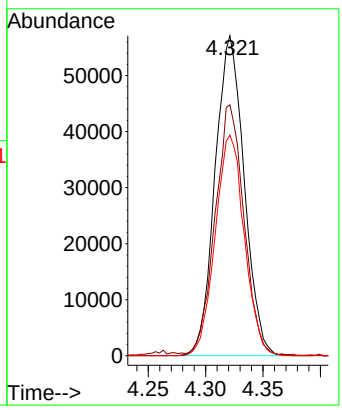


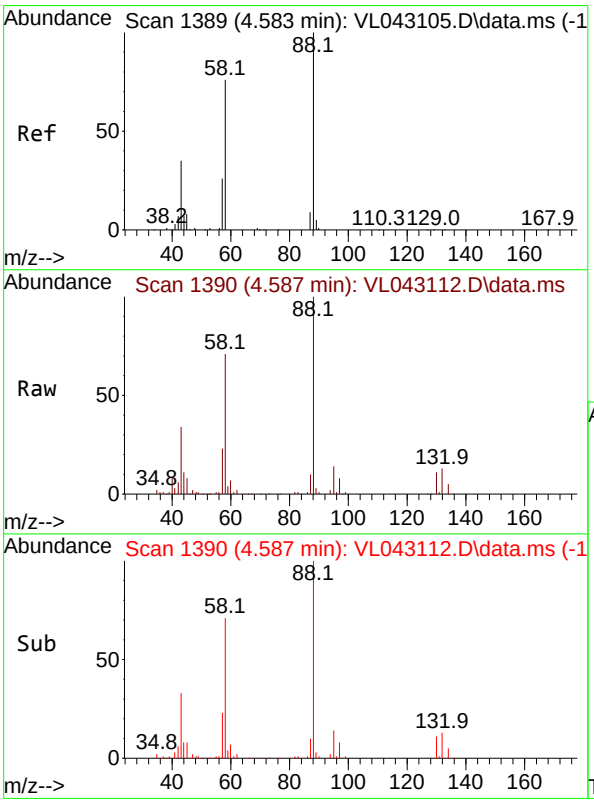
#39
1,2-Dichloropropane
Concen: 8.971 ppbv
RT: 4.321 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 63 Resp: 100580

Ion	Ratio	Lower	Upper
63	100		
41	78.0	58.0	87.0
62	69.0	54.7	82.1

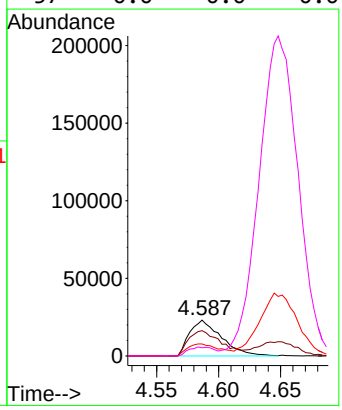


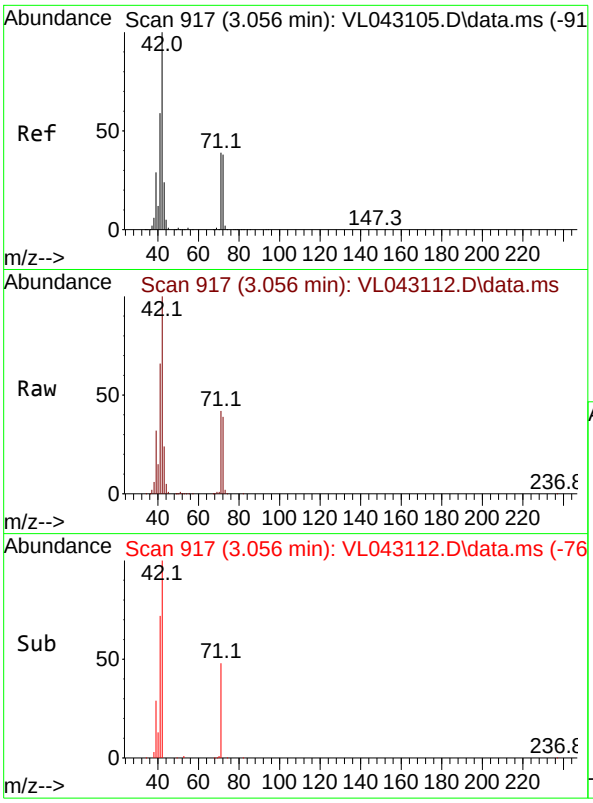


#40
1,4-Dioxane
Concen: 8.265 ppbv
RT: 4.587 min Scan# 1390
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 88 Resp: 41464

Ion	Ratio	Lower	Upper
88	100		
58	74.2	61.1	91.7
43	35.4	24.0	36.0
57	0.0	0.0	0.0



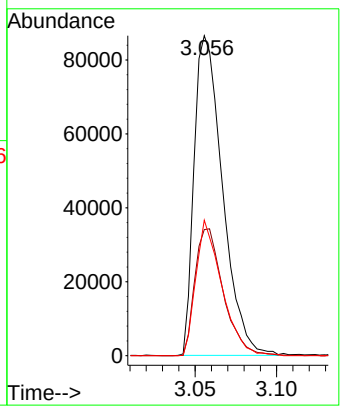


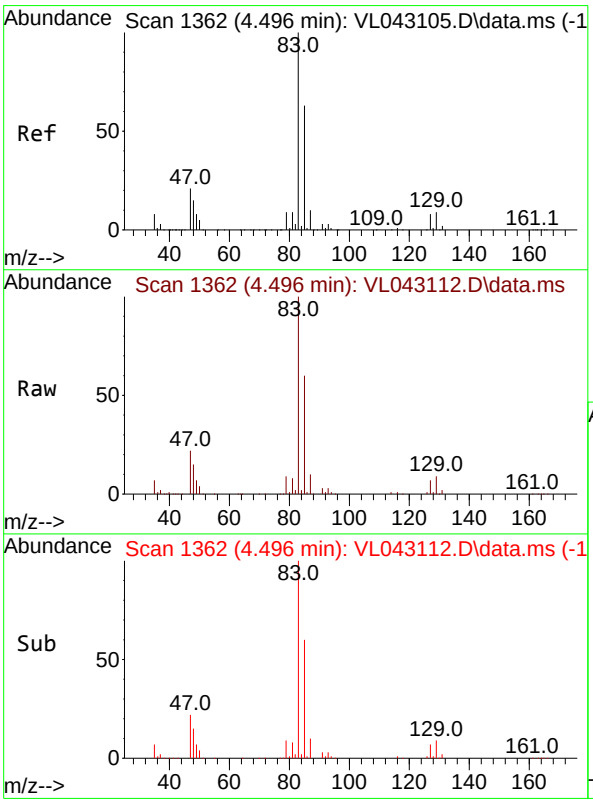
#41
Tetrahydrofuran
Concen: 8.553 ppbv
RT: 3.056 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 42 Resp: 104701

Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.3	46.9
71	38.8	30.4	45.6

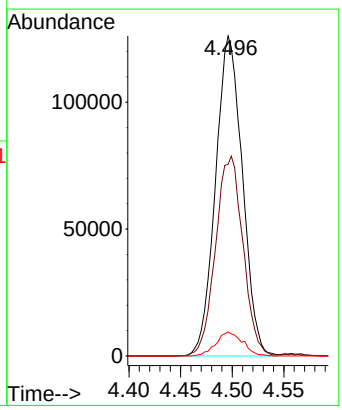


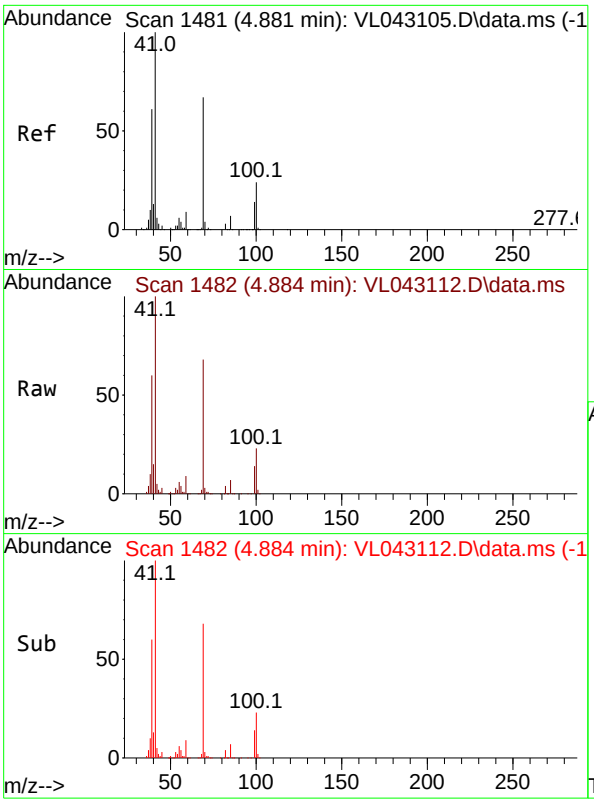


#42
Bromodichloromethane
Concen: 9.336 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 83 Resp: 228288

Ion	Ratio	Lower	Upper
83	100		
85	59.8	50.6	75.8
127	7.5	6.3	9.5



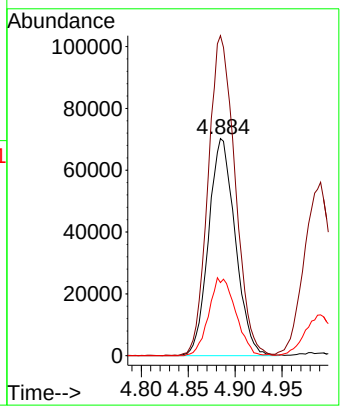


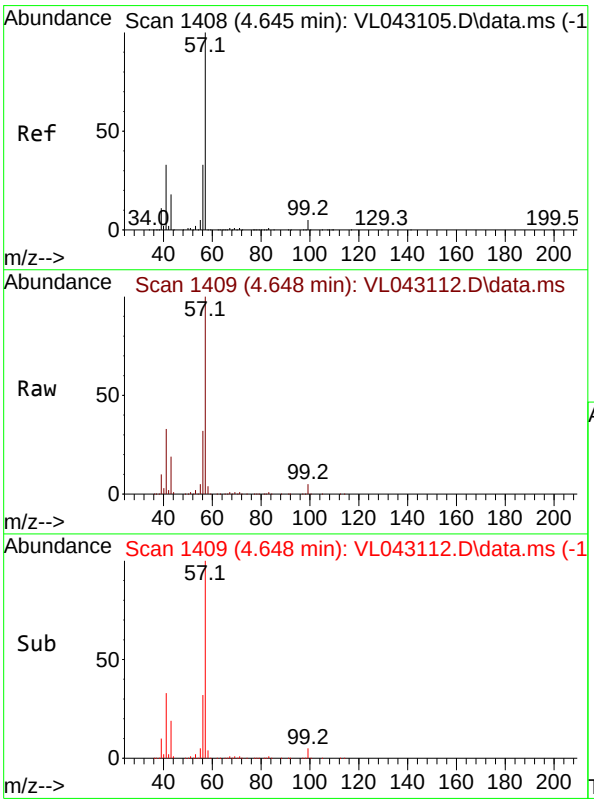
#43
Methyl Methacrylate
Concen: 8.898 ppbv
RT: 4.884 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 69 Resp: 138593

Ion	Ratio	Lower	Upper
69	100		
41	149.1	120.5	180.7
100	36.3	29.0	43.4

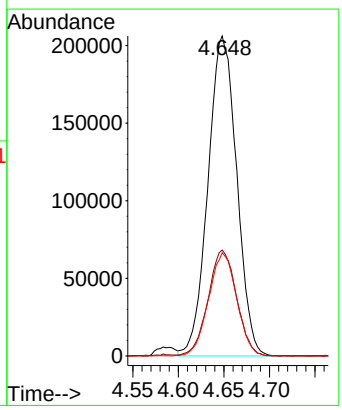


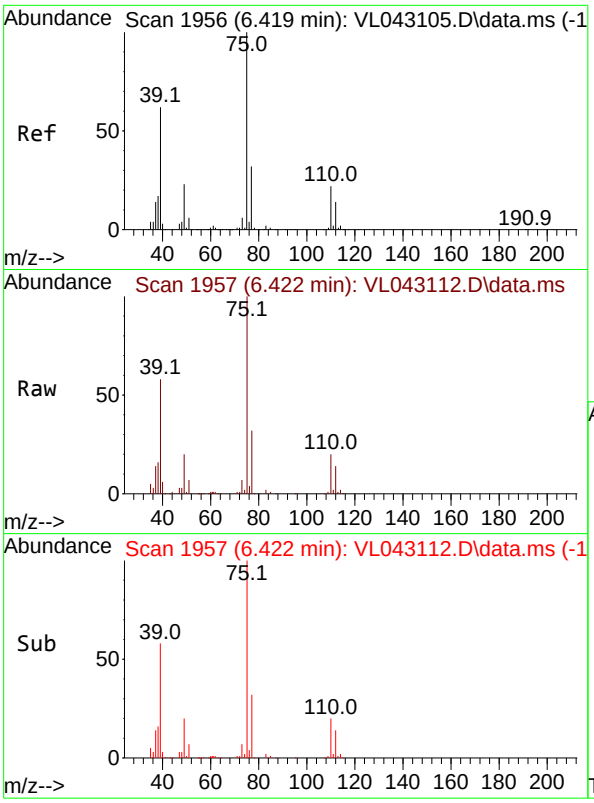


#44
2,2,4-Trimethylpentane
Concen: 8.738 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 57 Resp: 452117

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.3	39.5
56	31.6	25.9	38.9



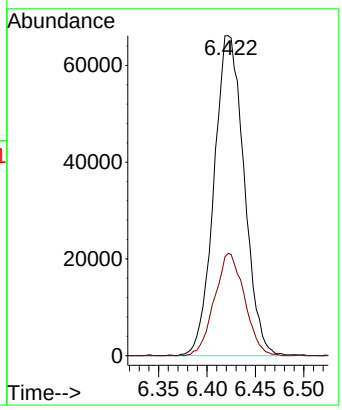


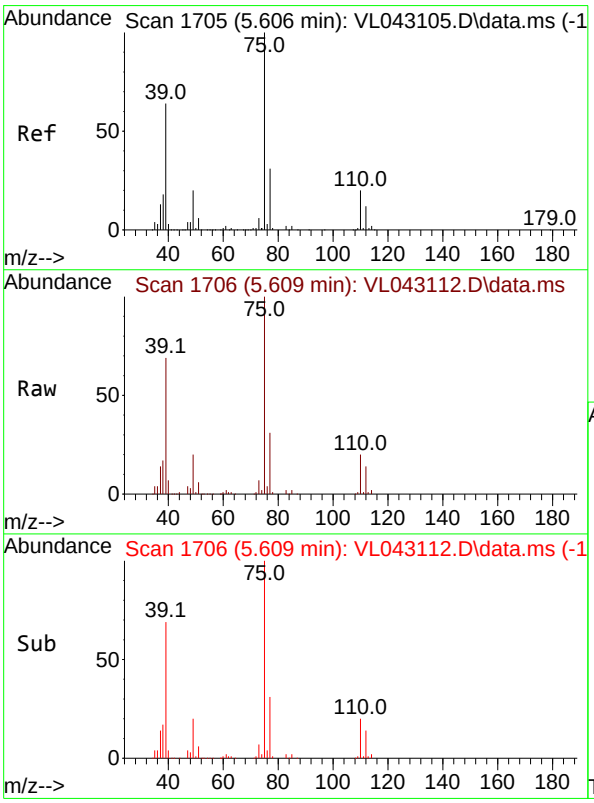
#45
t-1,3-Dichloropropene
Concen: 9.146 ppbv
RT: 6.422 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 75 Resp: 142964

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2

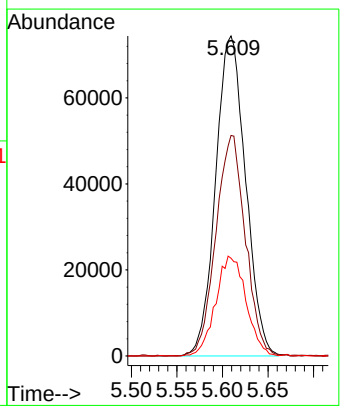


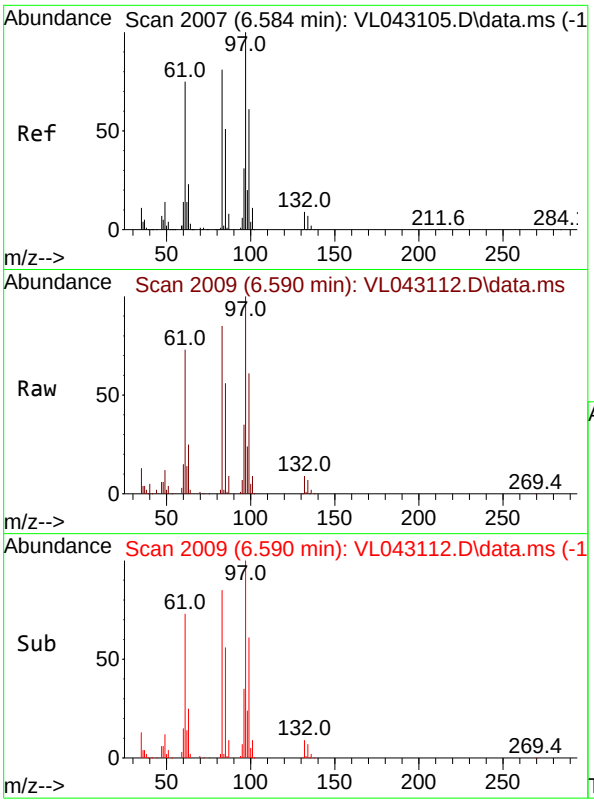


#46
cis-1,3-Dichloropropene
Concen: 9.106 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 75 Resp: 170038

Ion	Ratio	Lower	Upper
75	100		
39	68.8	51.0	76.6
77	30.5	25.0	37.4



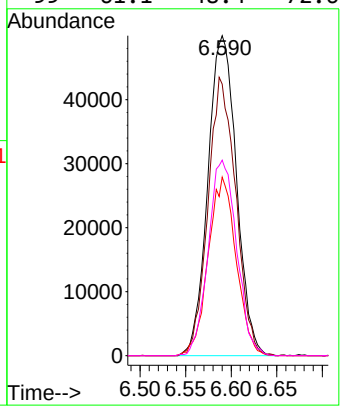


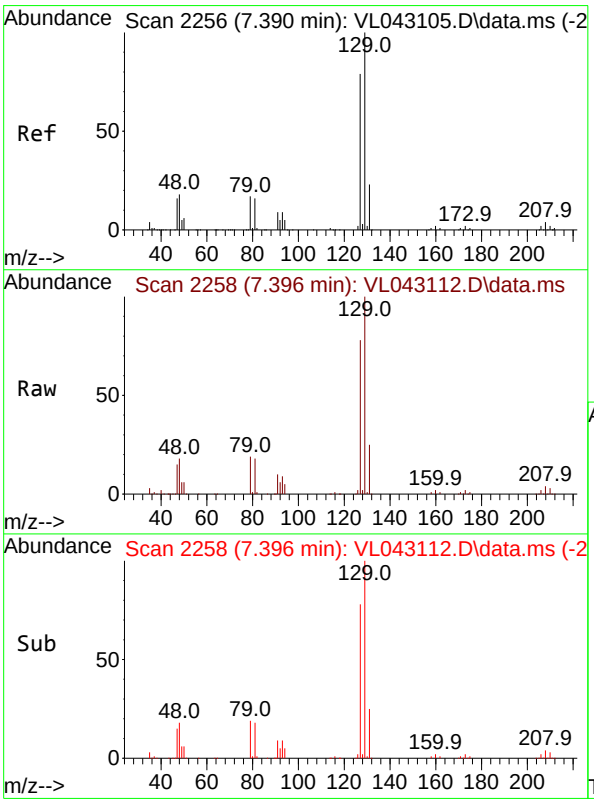
#47
1,1,2-Trichloroethane
Concen: 9.000 ppbv
RT: 6.590 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 97 Resp: 108965

Ion	Ratio	Lower	Upper
97	100		
83	84.8	64.6	96.8
85	55.8	40.6	60.8
99	61.1	48.4	72.6

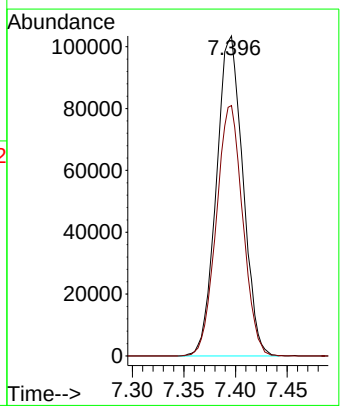


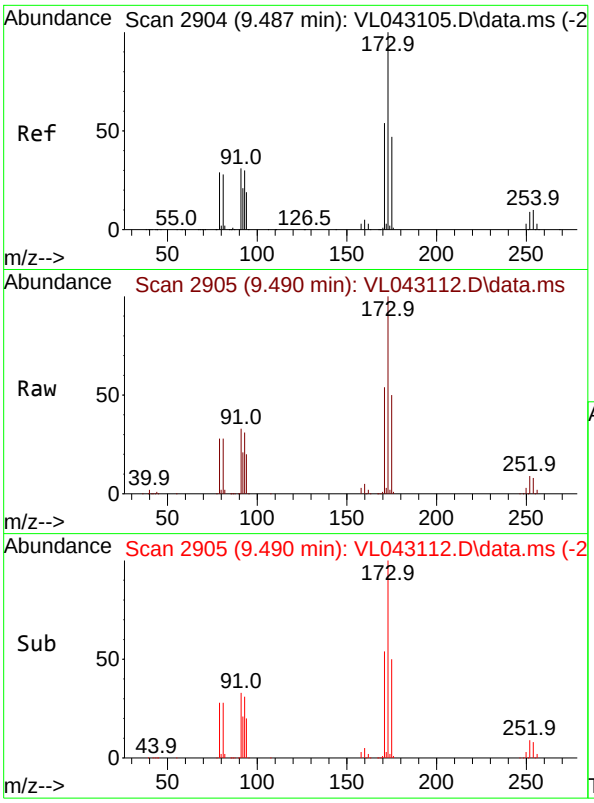


#48
Dibromochloromethane
Concen: 9.127 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:129 Resp: 184757

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.3	117.9



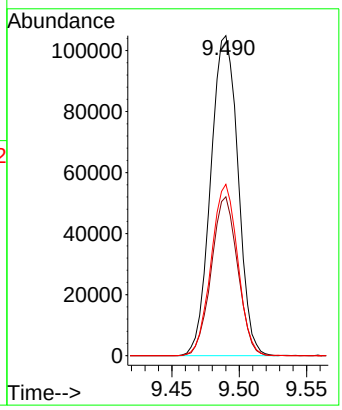


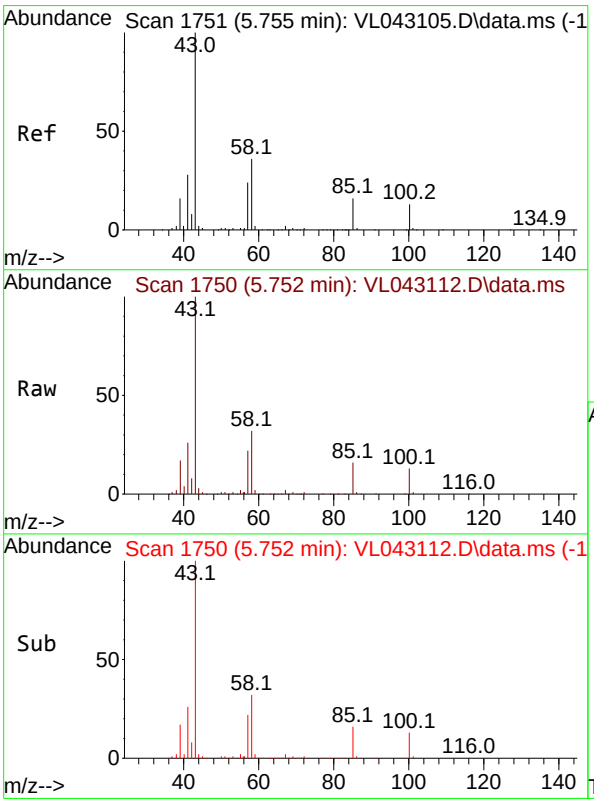
#49
Bromoform
Concen: 8.980 ppbv
RT: 9.490 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:173 Resp: 147759

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.8	58.2
171	52.1	41.7	62.5

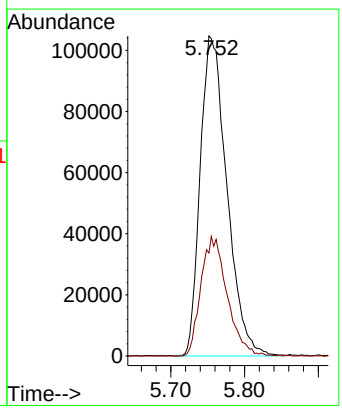


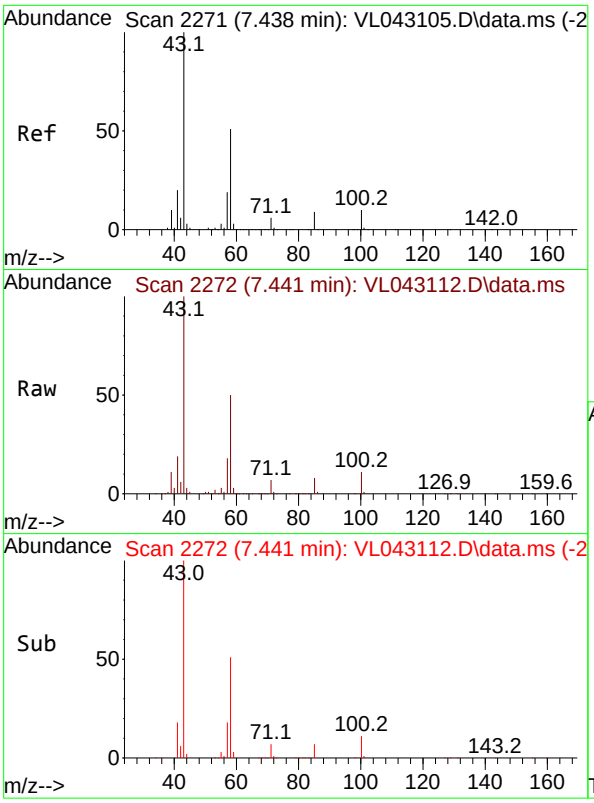


#50
4-Methyl-2-Pentanone
Concen: 8.709 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. -0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 43 Resp: 263070

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.1	43.7



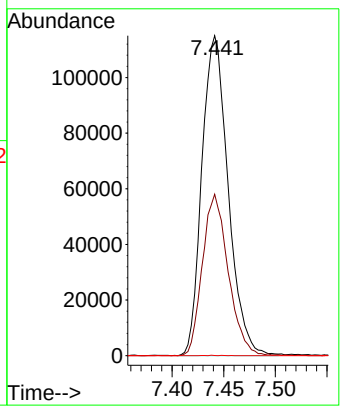


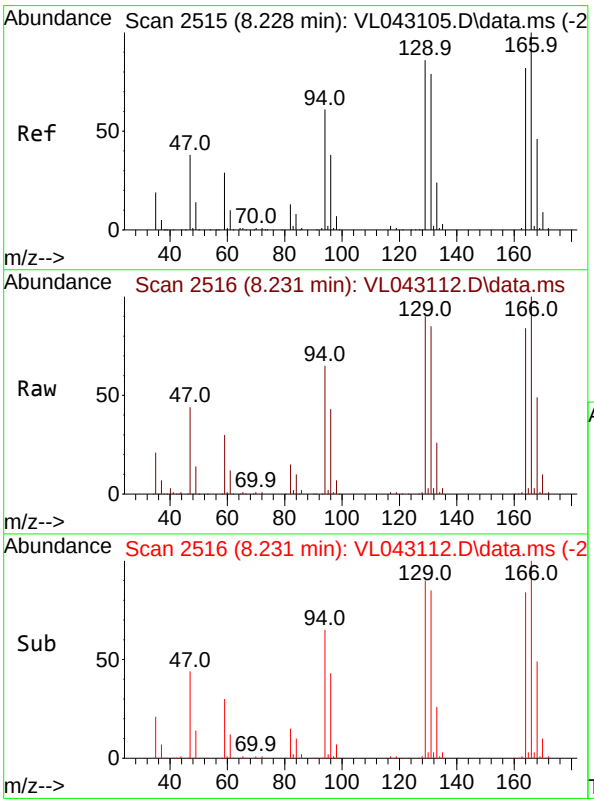
#51
2-Hexanone
Concen: 8.999 ppbv
RT: 7.441 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 43 Resp: 203876

Ion	Ratio	Lower	Upper
43	100		
58	49.6	40.4	60.6
98	0.1	0.1	0.1#

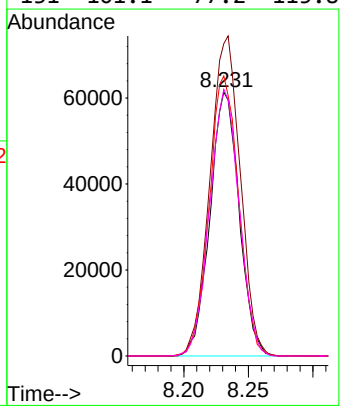


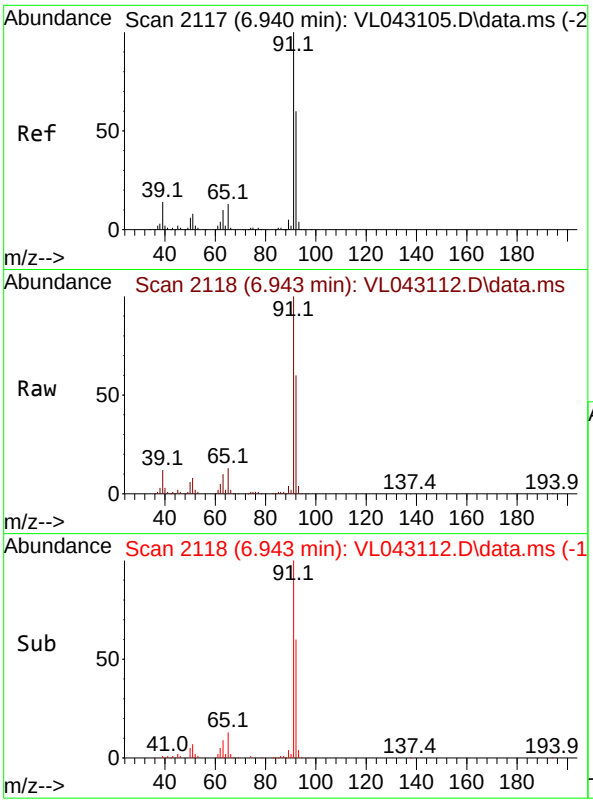


#52
Tetrachloroethene
Concen: 8.681 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:164 Resp: 96000

Ion	Ratio	Lower	Upper
164	100		
166	118.4	97.6	146.4
129	106.2	84.5	126.7
131	101.1	77.2	115.8



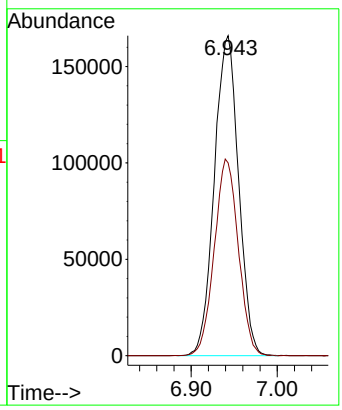


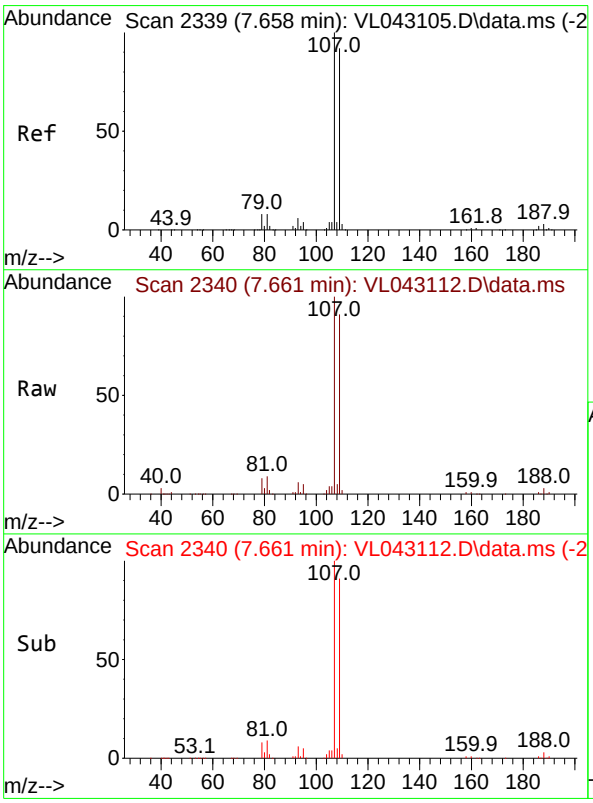
#53
Toluene
Concen: 8.928 ppbv
RT: 6.943 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 91 Resp: 324944

Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.8	73.2

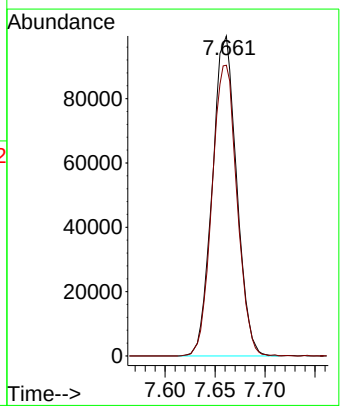


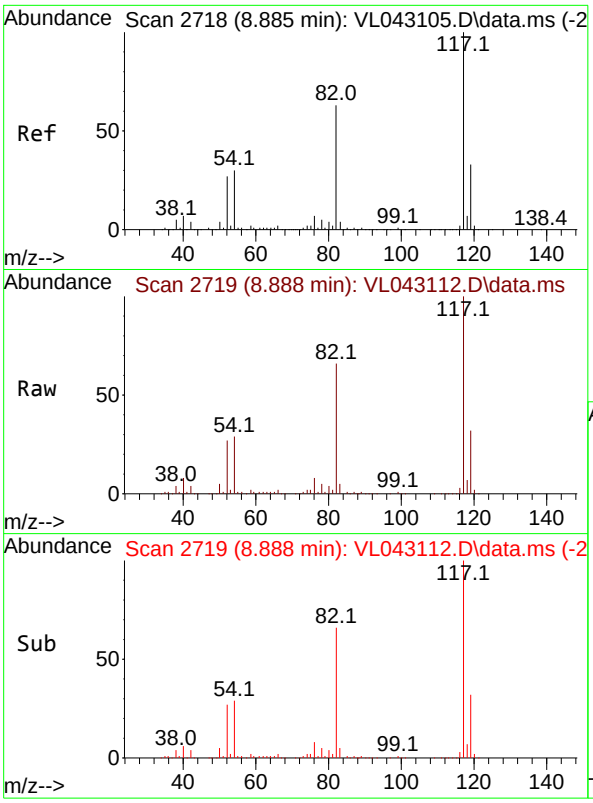


#54
1,2-Dibromoethane
Concen: 8.856 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:107 Resp: 167936

Ion	Ratio	Lower	Upper
107	100		
109	90.9	73.4	110.2



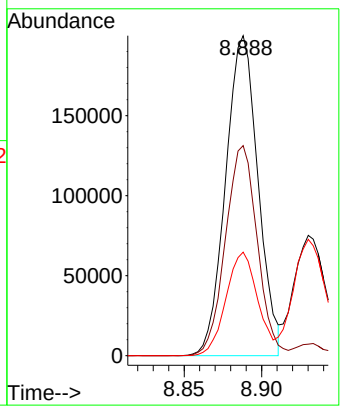


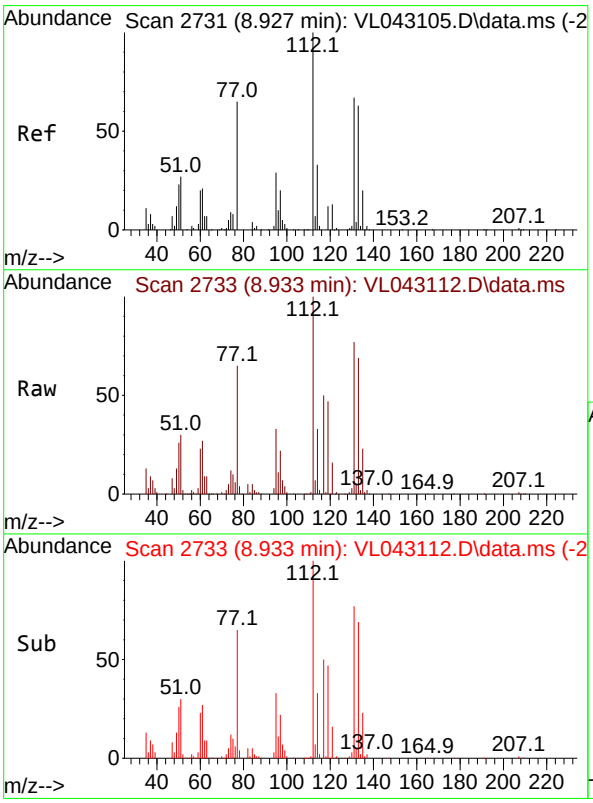
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:117 Resp: 291676

Ion	Ratio	Lower	Upper
117	100		
82	67.8	53.8	80.8
119	31.5	25.4	38.0

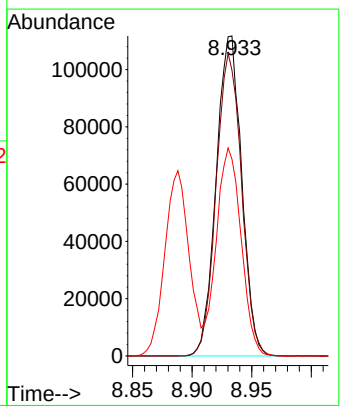


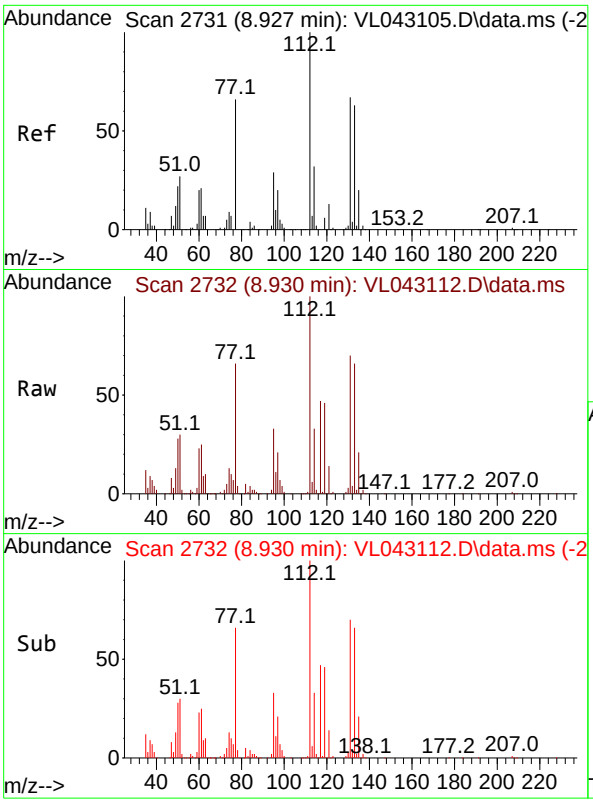


#56
1,1,1,2-Tetrachloroethane
Concen: 9.031 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:131 Resp: 166059

Ion	Ratio	Lower	Upper
131	100		
133	94.2	75.7	113.5
119	60.4	50.6	76.0



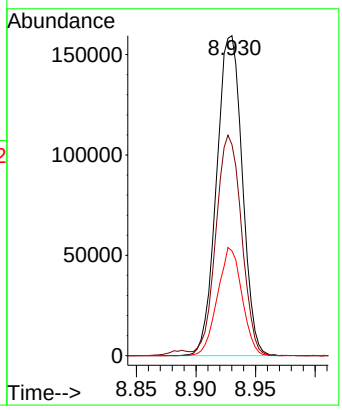


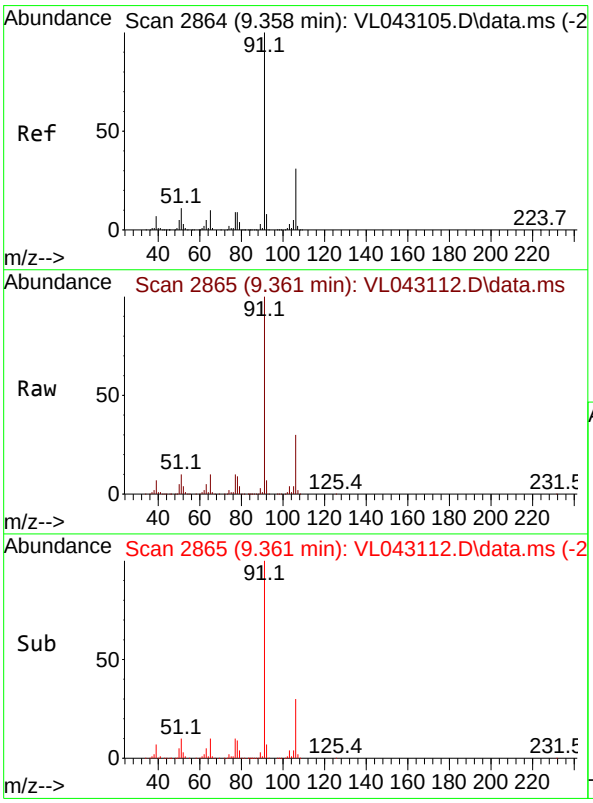
#57
Chlorobenzene
Concen: 8.770 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:112 Resp: 239309

Ion	Ratio	Lower	Upper
112	100		
77	65.9	53.3	79.9
114	32.7	29.3	35.8

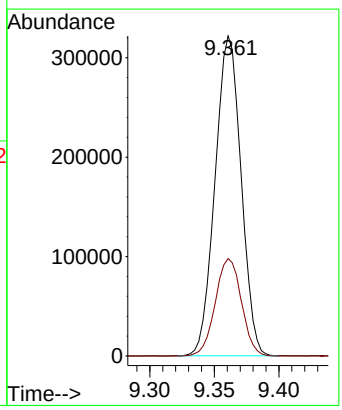


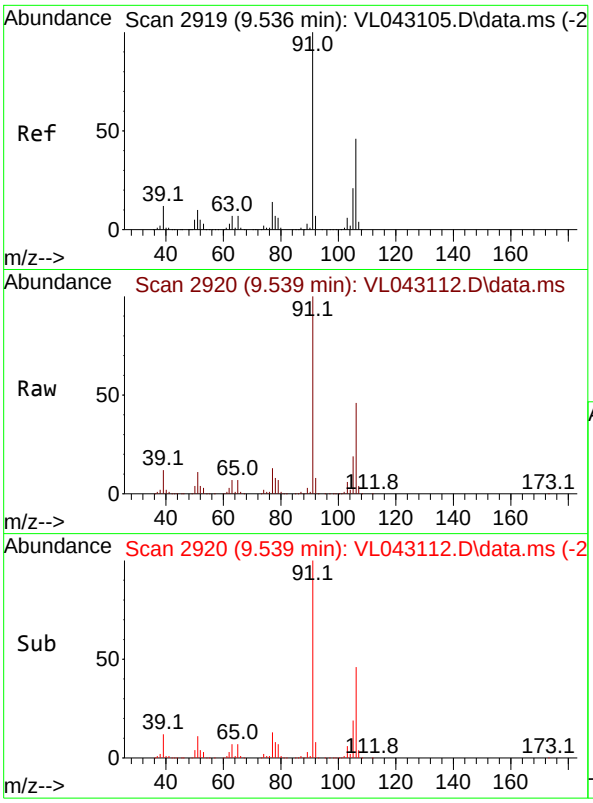


#58
Ethyl Benzene
Concen: 8.990 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 450029

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.8	37.2



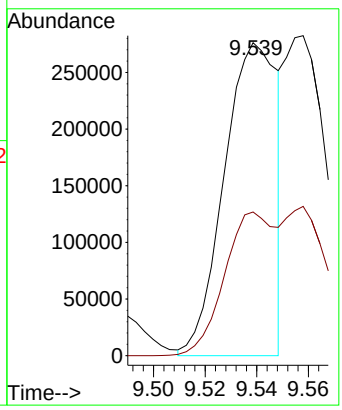


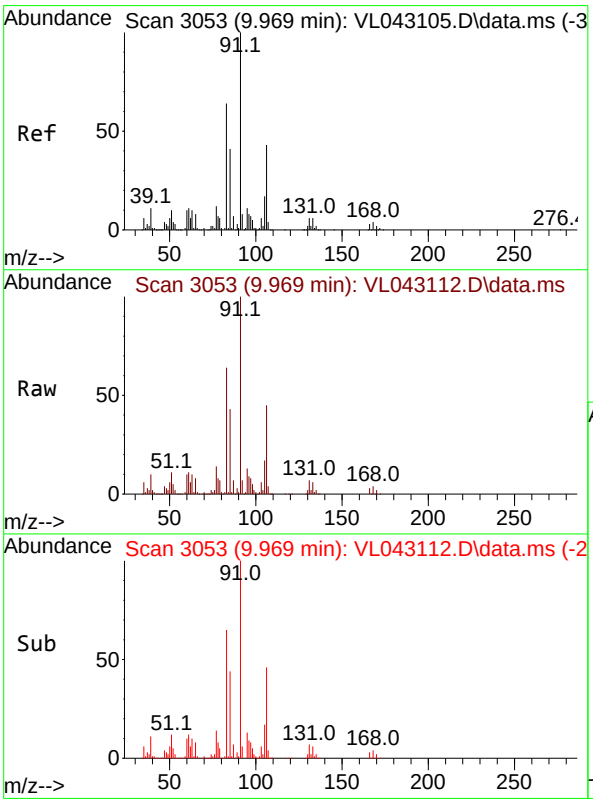
#59
m/p-Xylene
Concen: 9.822 ppbv
RT: 9.539 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 91 Resp: 392158

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

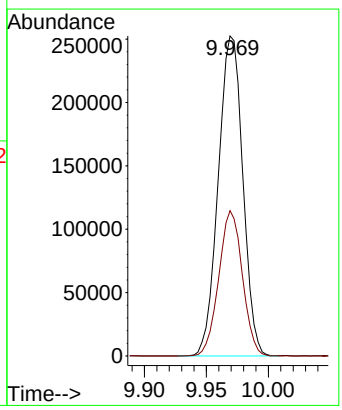


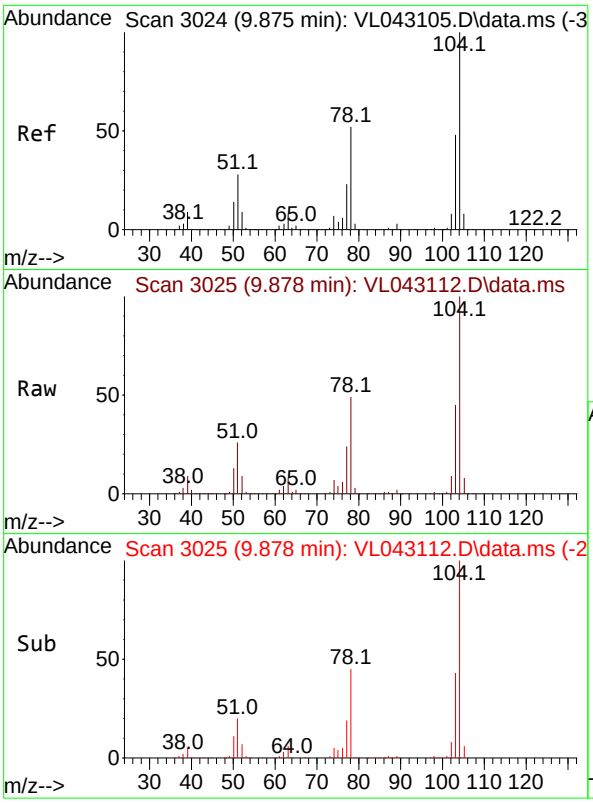


#60
o-Xylene
Concen: 8.834 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 348346

Ion	Ratio	Lower	Upper
91	100		
106	43.7	21.9	65.8



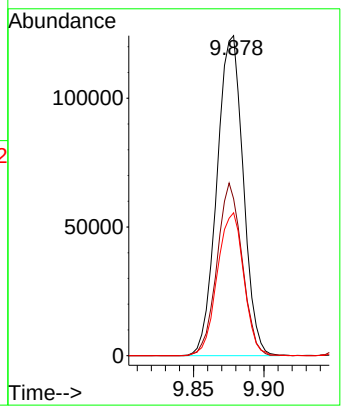


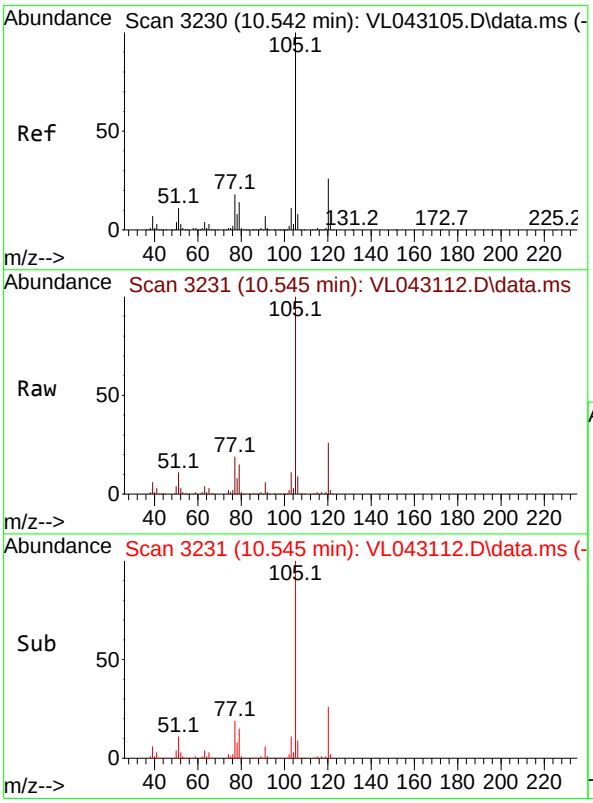
#61
Styrene
Concen: 9.099 ppbv
RT: 9.878 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:104 Resp: 161979

Ion	Ratio	Lower	Upper
104	100		
78	51.4	40.2	60.2
103	45.0	36.9	55.3

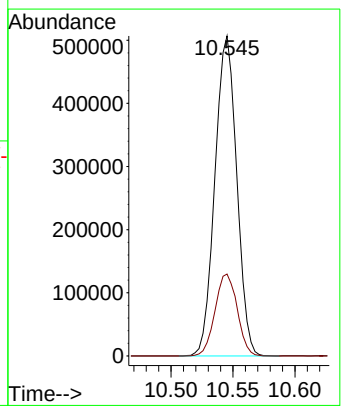


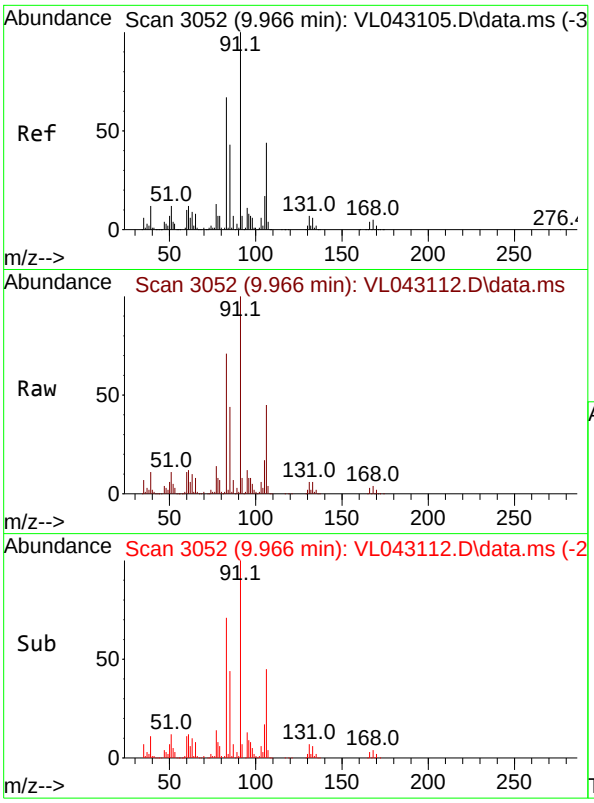


#62
Isopropylbenzene
Concen: 8.726 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:105 Resp: 621758

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.2	30.4



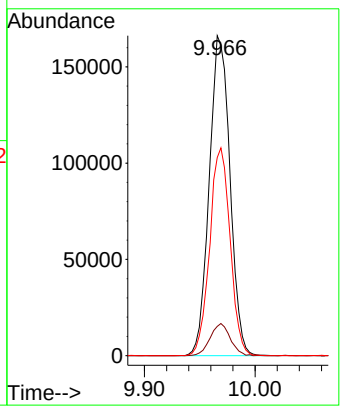


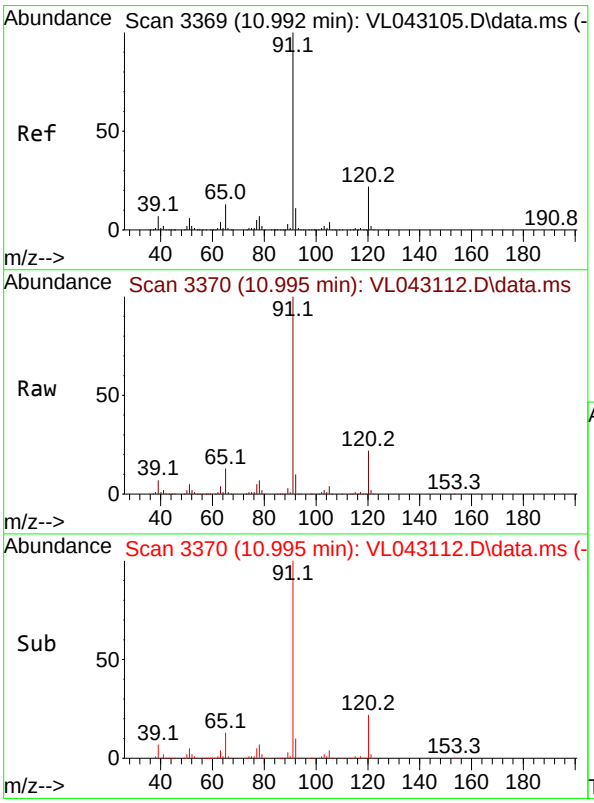
#63
1,1,2,2-Tetrachloroethane
Concen: 8.177 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 83 Resp: 215911

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.1	32.0	96.0

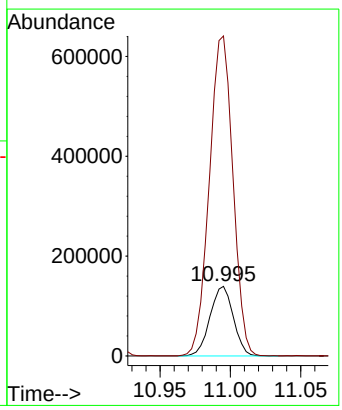


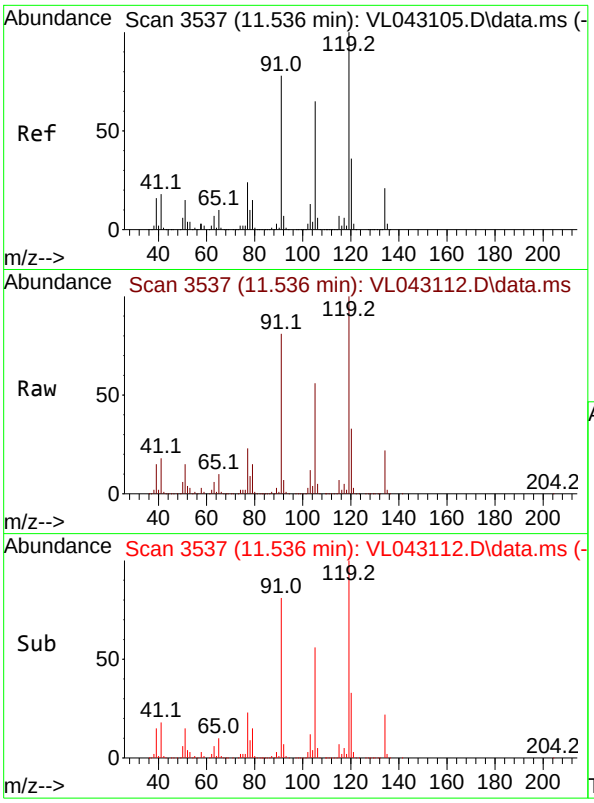


#64
n-propylbenzene
Concen: 8.503 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:120 Resp: 160411

Ion	Ratio	Lower	Upper
120	100		
91	467.8	361.6	542.4



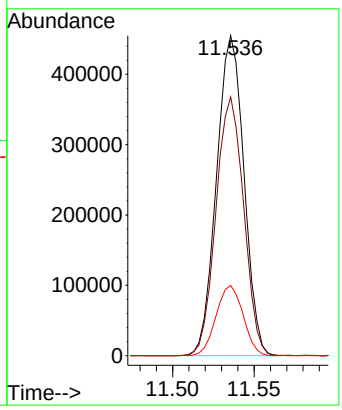


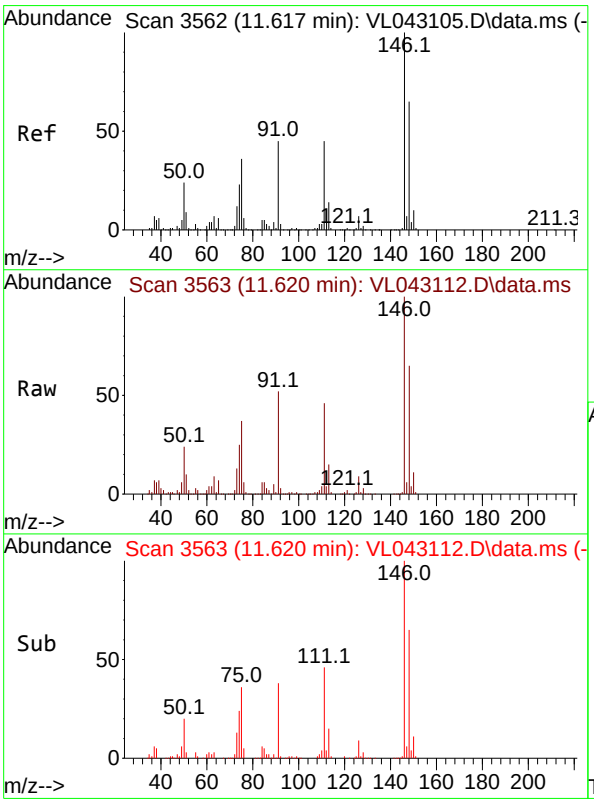
#65
tert-Butylbenzene
Concen: 8.464 ppbv
RT: 11.536 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:119 Resp: 532570

Ion	Ratio	Lower	Upper
119	100		
91	81.6	63.4	95.0
134	21.6	17.3	25.9

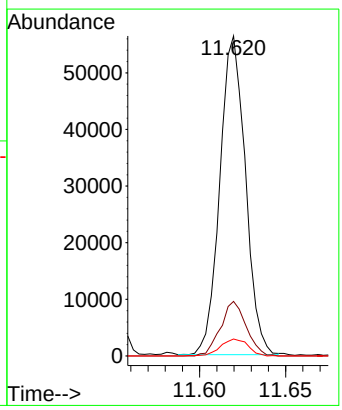


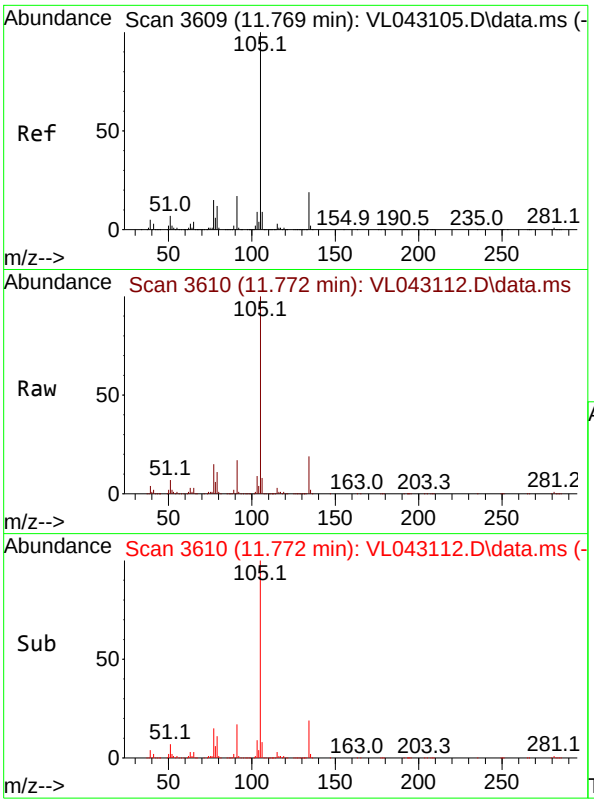


#66
Benzyl Chloride
Concen: 8.306 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 58169

Ion	Ratio	Lower	Upper
91	100		
126	17.2	14.6	22.0
128	5.8	4.6	6.8



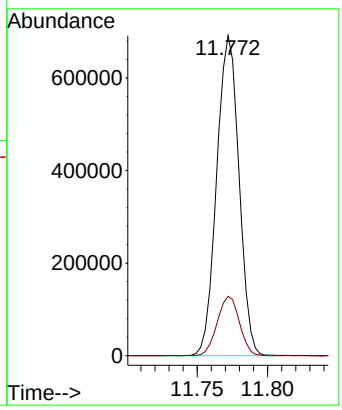


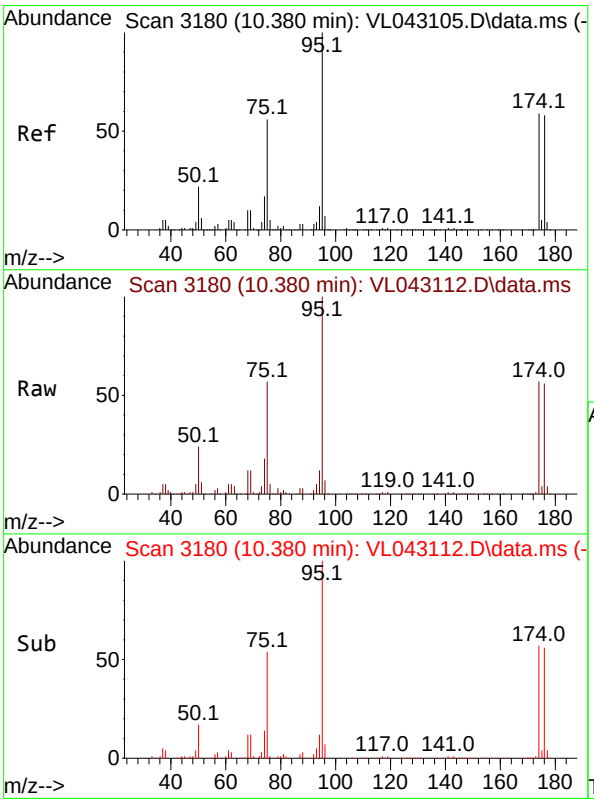
#67
sec-Butylbenzene
Concen: 8.541 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:105 Resp: 762711

Ion	Ratio	Lower	Upper
105	100		
134	18.5	15.5	23.3

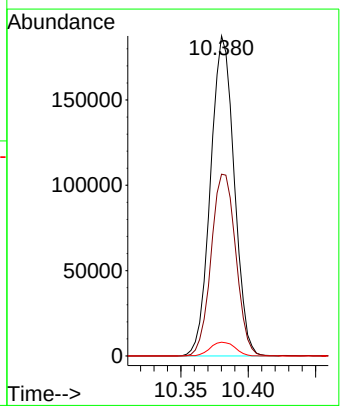


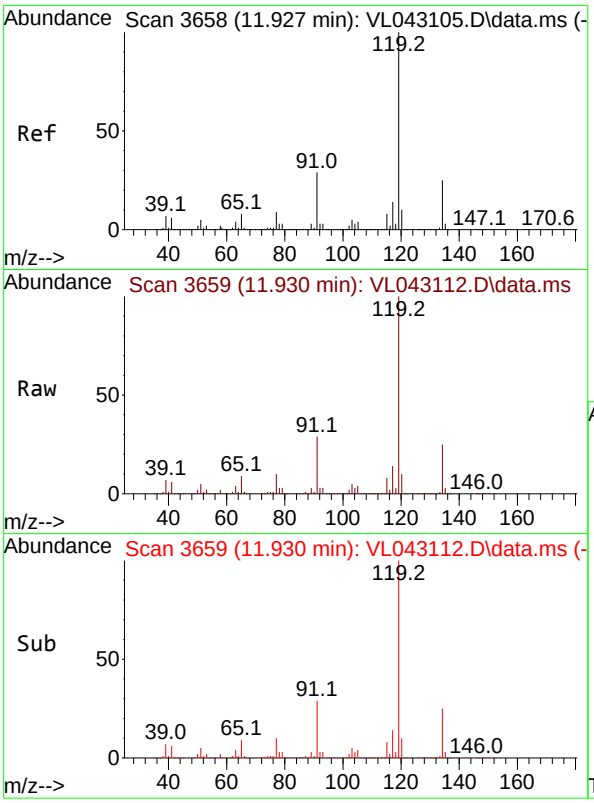


#68
1-Bromo-4-Fluorobenzene
Concen: 10.101 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 95 Resp: 229010

Ion	Ratio	Lower	Upper
95	100		
174	59.2	48.3	72.5
175	4.6	3.8	5.8



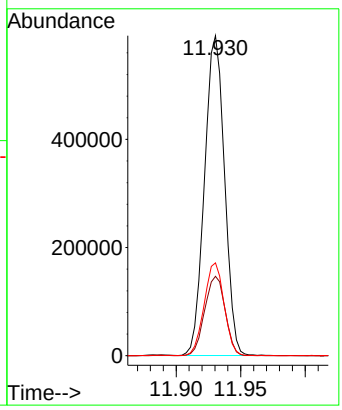


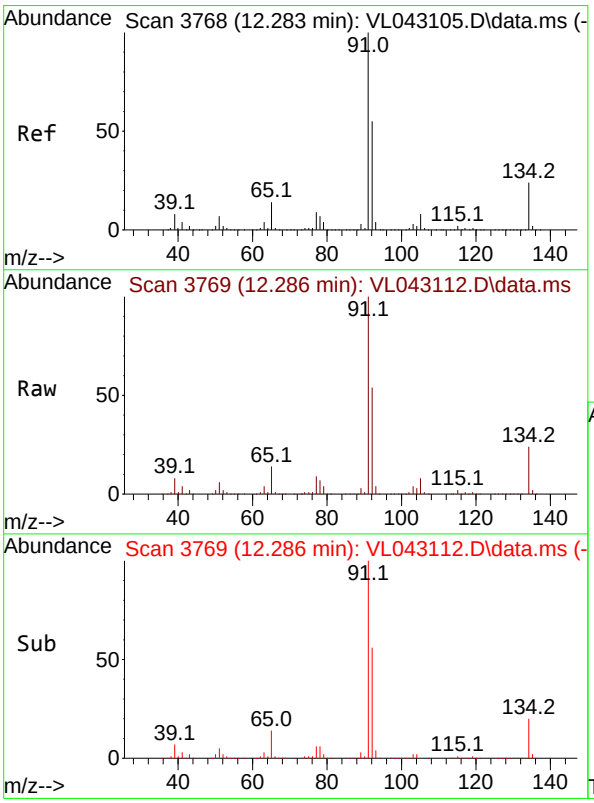
#69
p-Isopropyltoluene
Concen: 8.411 ppbv
RT: 11.930 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:119 Resp: 638261

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	29.0	22.6	33.8

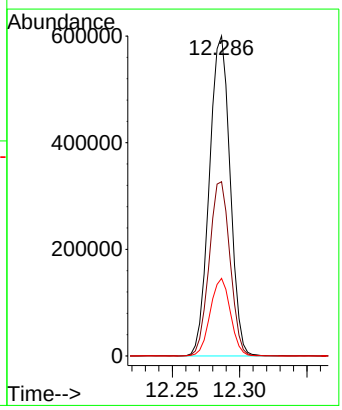


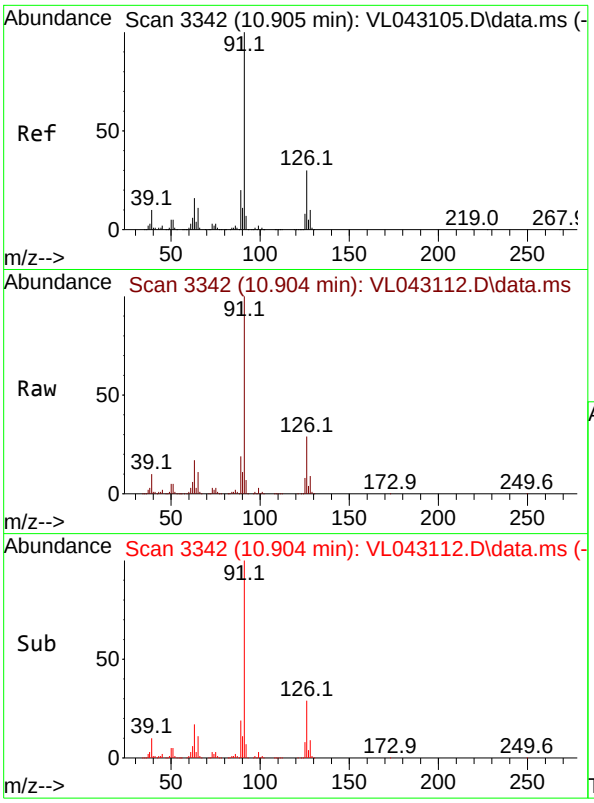


#70
n-Butylbenzene
Concen: 8.579 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 641547

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.5	66.7
134	23.7	19.3	28.9



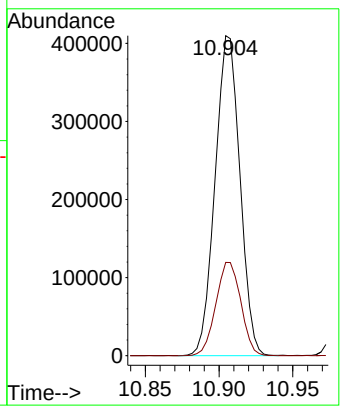


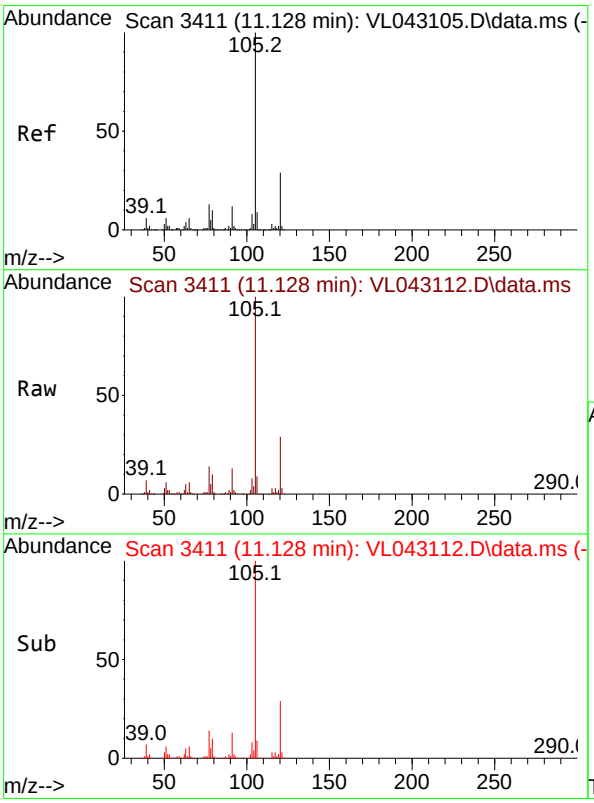
#71
2-Chlorotoluene
Concen: 8.828 ppbv
RT: 10.904 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 91 Resp: 479799

Ion	Ratio	Lower	Upper
91	100		
126	29.3	12.0	48.0

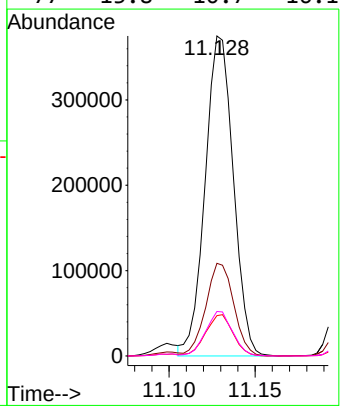


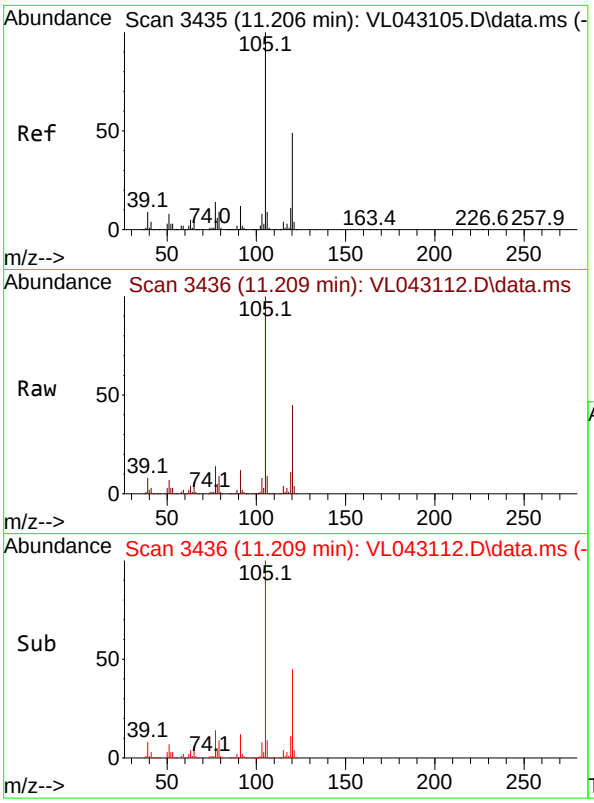


#72
4-Ethyltoluene
Concen: 8.807 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:105 Resp: 427034

Ion	Ratio	Lower	Upper
105	100		
120	29.8	24.2	36.4
91	13.1	10.0	15.0
77	13.8	10.7	16.1



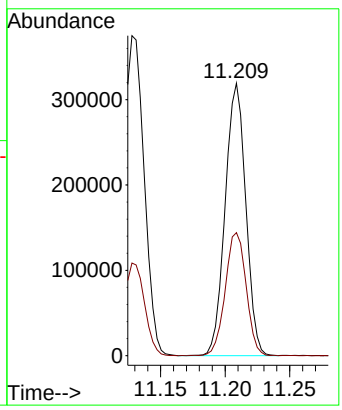


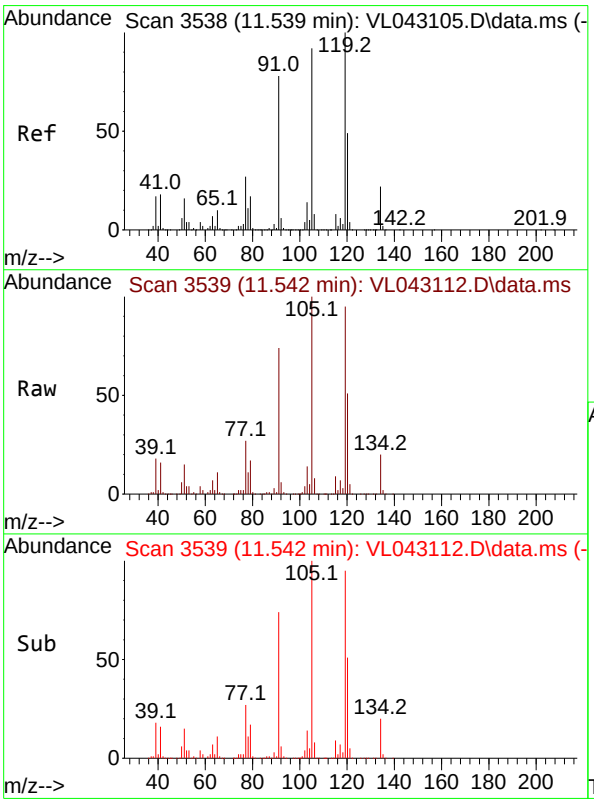
#73
1,3,5-Trimethylbenzene
Concen: 8.874 ppbv
RT: 11.209 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:105 Resp: 354875

Ion	Ratio	Lower	Upper
105	100		
120	45.2	39.0	58.6

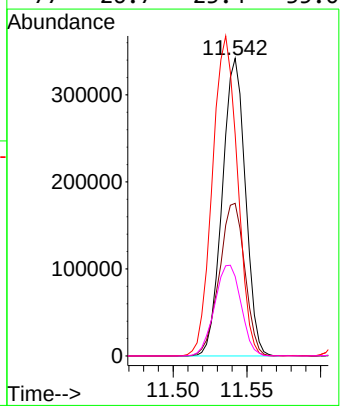


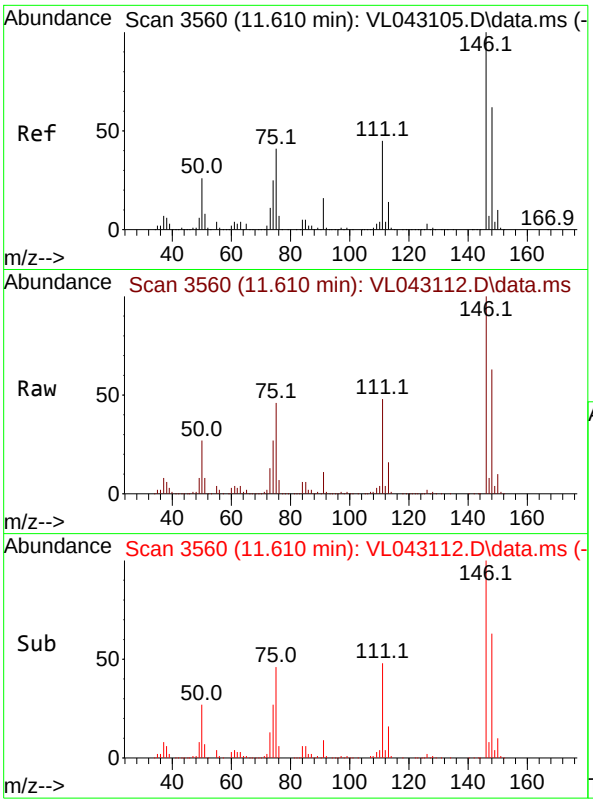


#74
1,2,4-Trimethylbenzene
Concen: 8.324 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:105 Resp: 372506

Ion	Ratio	Lower	Upper
105	100		
120	51.3	42.8	64.2
91	74.4	68.3	102.5
77	26.7	23.4	35.0



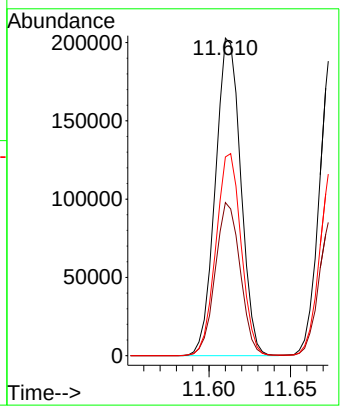


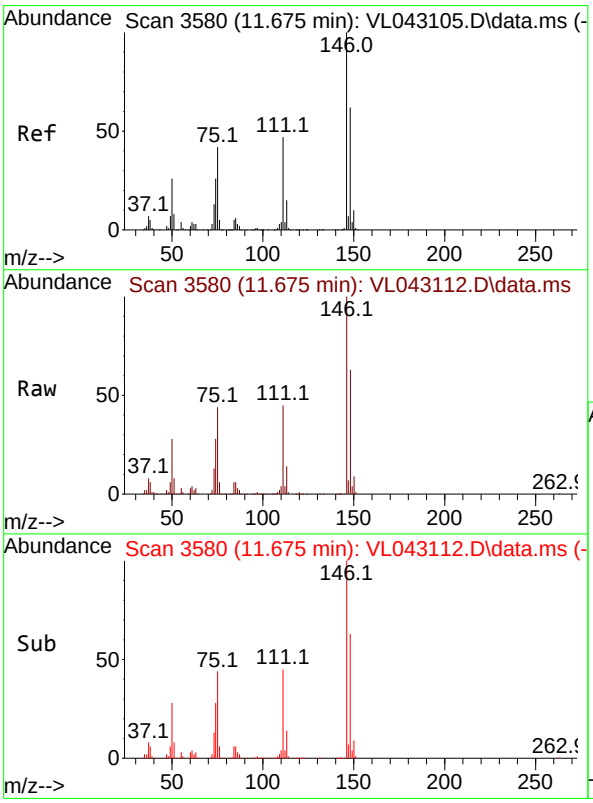
#75
1,3-Dichlorobenzene
Concen: 8.454 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:146 Resp: 219423

Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.3	69.9
148	63.3	31.6	95.0

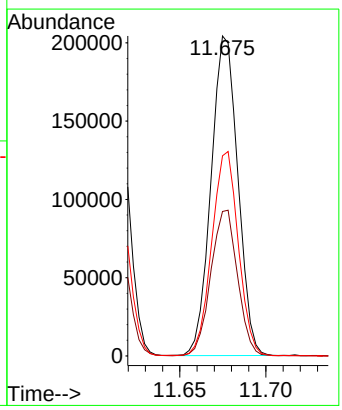


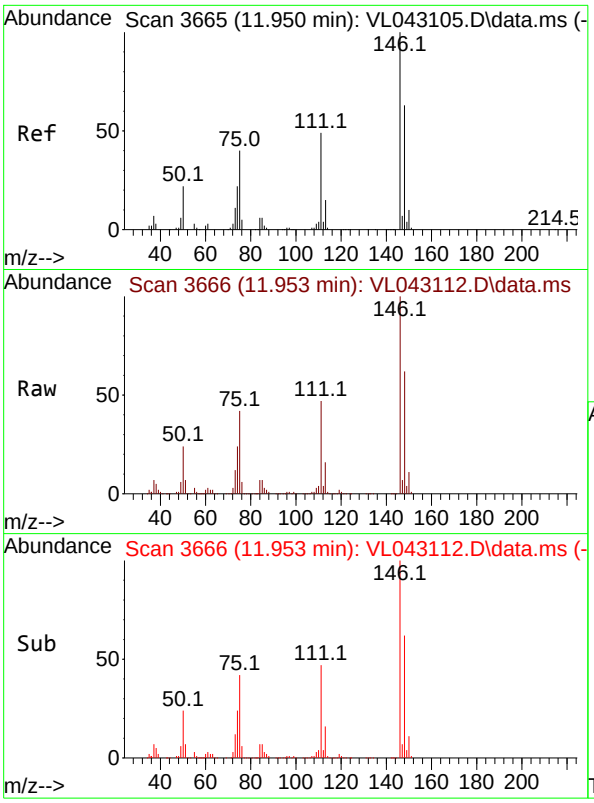


#76
1,4-Dichlorobenzene
Concen: 8.458 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:146 Resp: 221364

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.4	67.0
148	63.6	31.6	94.7



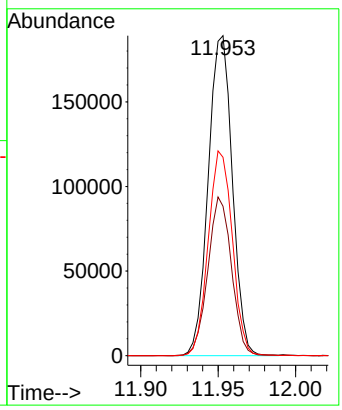


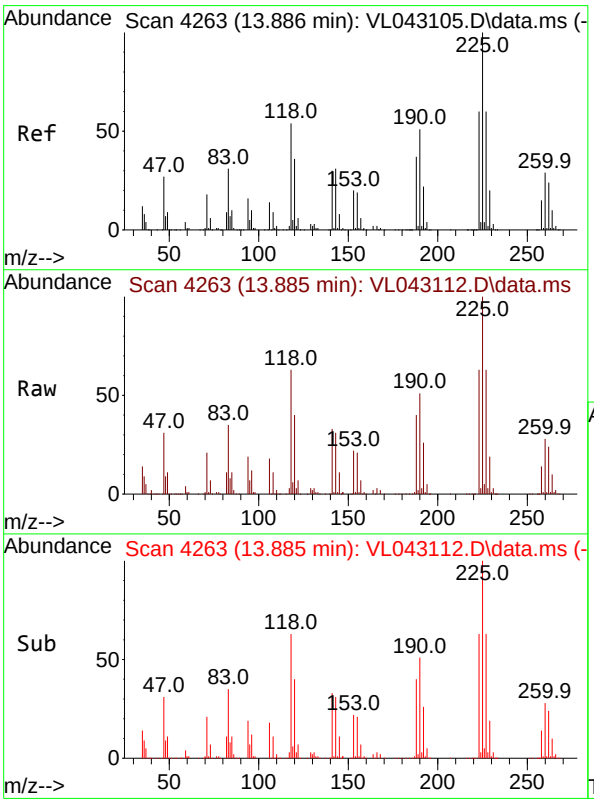
#77
1,2-Dichlorobenzene
Concen: 8.132 ppbv
RT: 11.953 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:146 Resp: 204178

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.0	72.0
148	64.1	31.1	93.3

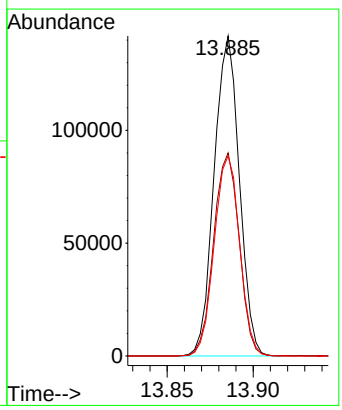


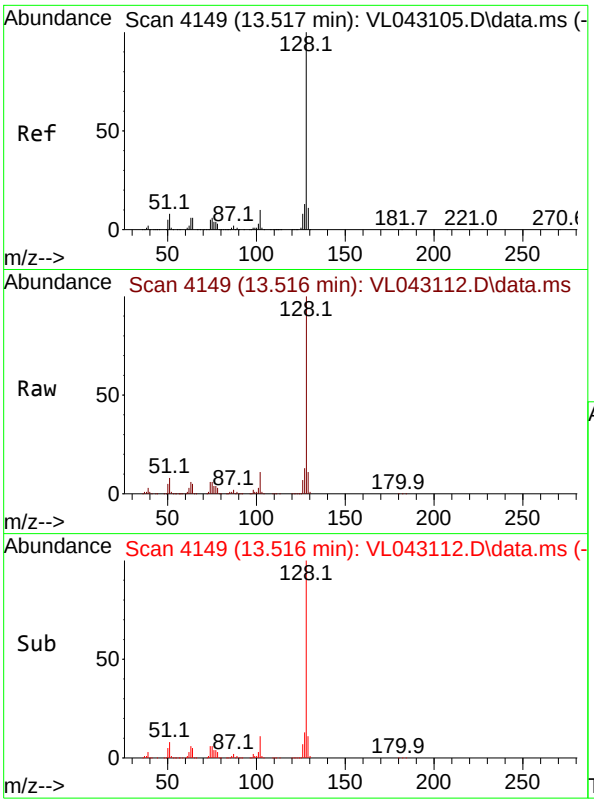


#78
Hexachloro-1,3-Butadiene
Concen: 7.440 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:225 Resp: 144646

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.4
227	62.9	49.6	74.4



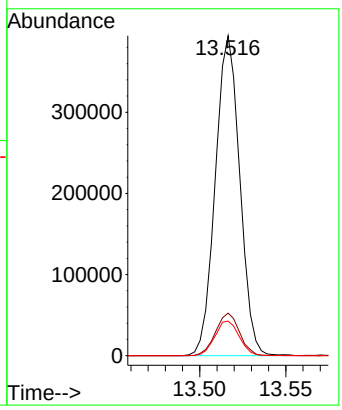


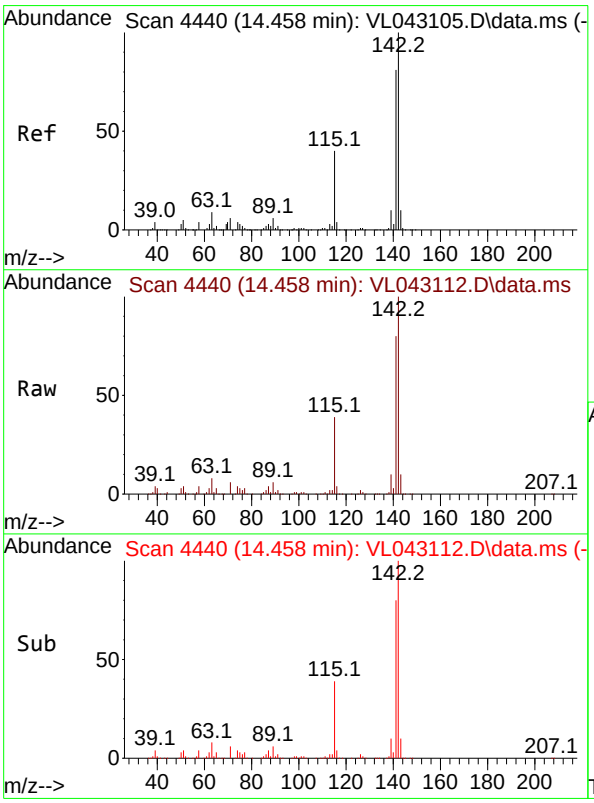
#79
Naphthalene
Concen: 8.334 ppbv
RT: 13.516 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:128 Resp: 389814

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.8	9.1	13.7

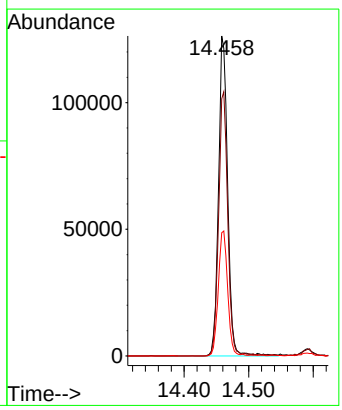


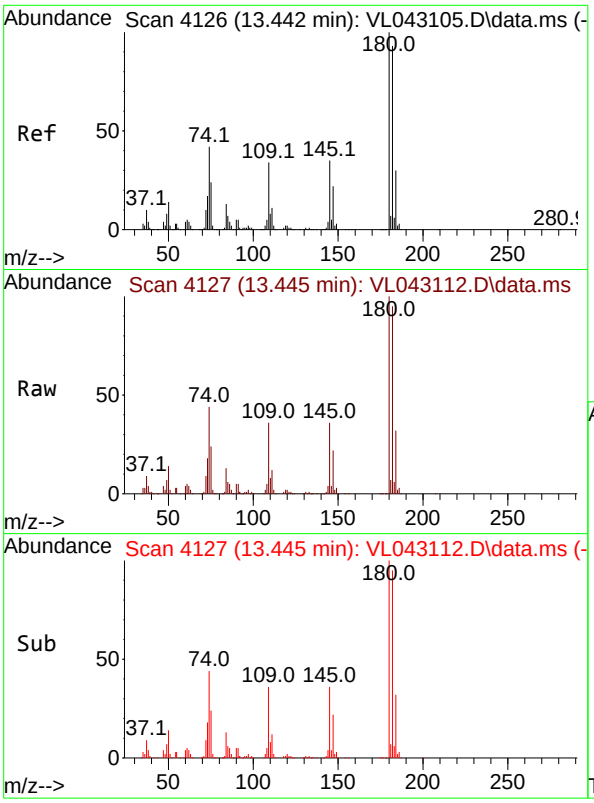


#80
Naphthalene,2-methyl-
Concen: 10.146 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:142 Resp: 123632

Ion	Ratio	Lower	Upper
142	100		
141	83.1	64.6	97.0
115	40.3	30.2	45.4



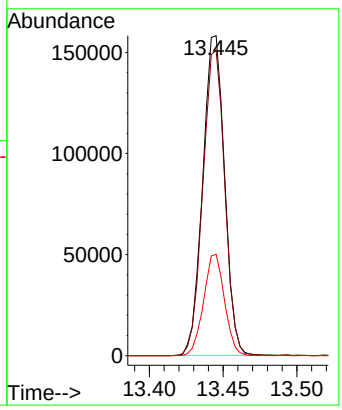


#81
1,2,4-Trichlorobenzene
Concen: 8.373 ppbv
RT: 13.445 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion:180 Resp: 162553

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.5	113.3
184	30.4	23.9	35.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043155.D
Acq On : 06 Nov 2025 07:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 07 00:16:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	111679	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	341877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	299829	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	246332	10.570	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	171973	10.832	ppbv	97
3) Chlorodifluoromethane	1.479	51	173652	10.109	ppbv	96
4) Chloromethane	1.534	50	57078	9.075	ppbv	97
5) Vinyl Chloride	1.583	62	57398	9.304	ppbv	98
6) Bromomethane	1.670	94	35458	10.482	ppbv	99
7) Chloroethane	1.706	64	23010	9.123	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	137989	10.753	ppbv	91
9) Propene	1.486	41	63768	8.370	ppbv	99
10) Heptane	4.985	43	188172	8.579	ppbv	97
11) Trichlorofluoromethane	1.881	101	185190	11.925	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	144020	11.519	ppbv	99
13) Ethanol	1.722	45	20822	7.389	ppbv	98
14) Bromoethene	1.784	108	49929	10.750	ppbv	99
15) Acetone	1.835	43	136553	9.072	ppbv	100
16) 1,3-Butadiene	1.612	39	63019	8.785	ppbv	99
17) tert-Butyl alcohol	2.043	59	204329	9.889	ppbv	100
18) 1,1-Dichloroethene	2.036	96	60122	11.030	ppbv	93
19) Isopropyl Alcohol	1.887	45	81900	8.736	ppbv	93
20) Methylene Chloride	2.065	84	52206	8.774	ppbv	96
21) Allyl Chloride	2.098	41	103255	9.309	ppbv	92
22) trans-1,2-Dichloroethene	2.344	96	69627	10.686	ppbv	96
23) Vinyl Acetate	2.463	43	236500	10.726	ppbv	98
24) 1,1-Dichloroethane	2.412	63	132624	10.535	ppbv	99
25) Ethyl Acetate	2.836	43	352821	9.452	ppbv	99
26) Hexane	2.829	57	163545	9.508	ppbv	97
27) Carbon Disulfide	2.153	76	168378	10.684	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	79492	10.158	ppbv	94
29) Chloroform	2.852	83	272134	10.919	ppbv	100
30) Cyclohexane	3.862	84	140232	9.341	ppbv	93
31) cis-1,2-Dichloroethene	2.725	61	168571	10.263	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	281440	10.844	ppbv	99
34) 2-Butanone	2.557	43	235359	10.242	ppbv	98
35) Carbon Tetrachloride	3.768	117	291148	11.845	ppbv	99
36) Benzene	3.661	78	326769	10.148	ppbv	96
37) 1,2-Dichloroethane	3.221	62	213185	11.493	ppbv	98
38) Trichloroethene	4.554	130	129566	9.635	ppbv	94
39) 1,2-Dichloropropane	4.318	63	117127	9.950	ppbv	95
40) 1,4-Dioxane	4.580	88	50431	9.574	ppbv #	96
41) Tetrahydrofuran	3.056	42	119118	9.267	ppbv	97
42) Bromodichloromethane	4.496	83	291618	11.359	ppbv	100
43) Methyl Methacrylate	4.884	69	157399	9.624	ppbv	97
44) 2,2,4-Trimethylpentane	4.648	57	535251	9.853	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	168113	10.243	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043155.D
Acq On : 06 Nov 2025 07:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 07 00:16:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

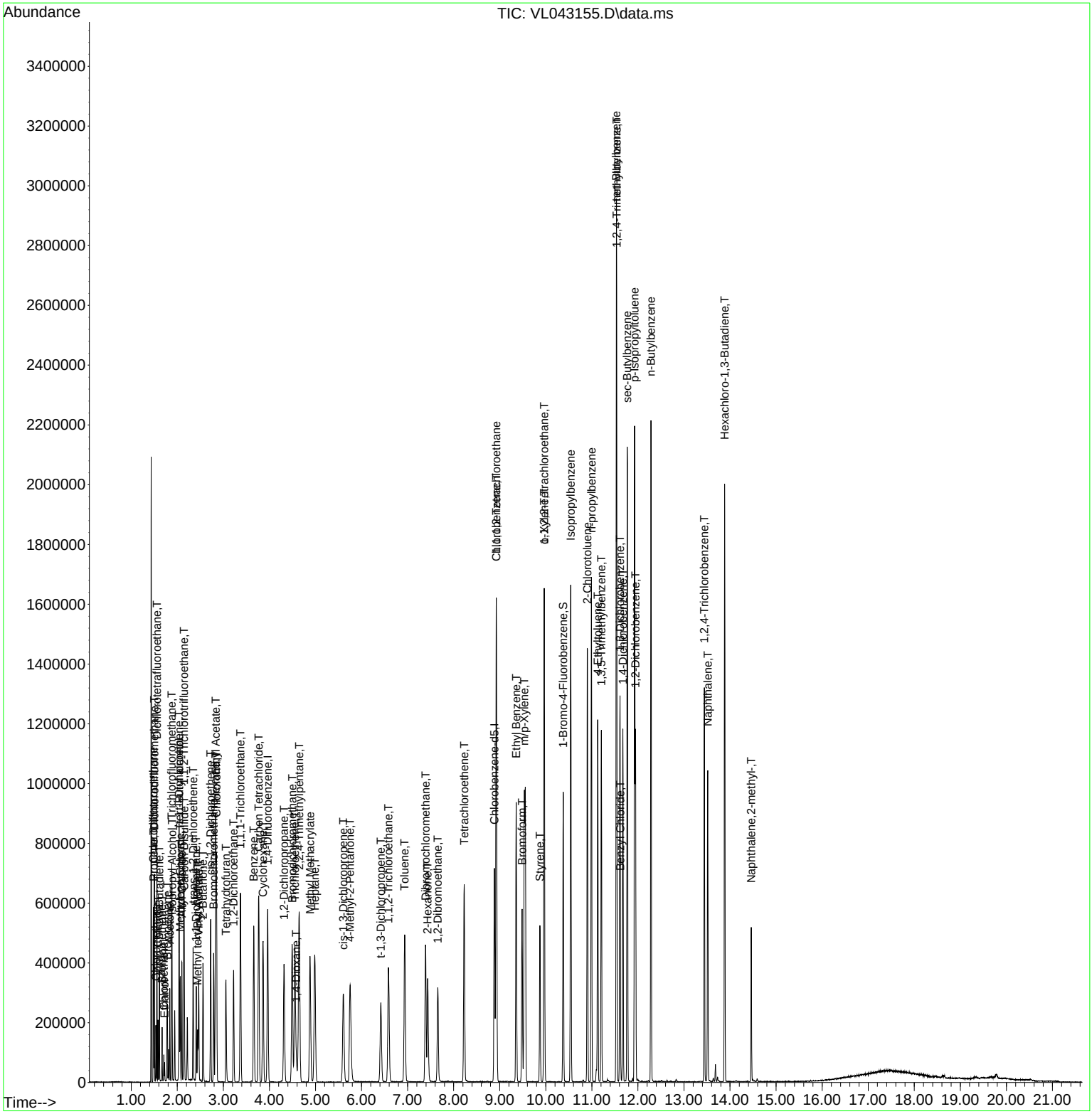
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	197738	10.086	ppbv		95
47) 1,1,2-Trichloroethane	6.584	97	130602	10.274	ppbv		94
48) Dibromochloromethane	7.389	129	238917	11.241	ppbv		98
49) Bromoform	9.487	173	206162	11.933	ppbv		98
50) 4-Methyl-2-Pentanone	5.748	43	295948	9.331	ppbv		100
51) 2-Hexanone	7.435	43	225625	9.485	ppbv	#	98
52) Tetrachloroethene	8.231	164	120713	10.396	ppbv		98
53) Toluene	6.936	91	374714	9.805	ppbv		98
54) 1,2-Dibromoethane	7.655	107	205679	10.330	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.927	131	216010	11.429	ppbv		97
57) Chlorobenzene	8.924	112	286894	10.228	ppbv		100
58) Ethyl Benzene	9.357	91	527991	10.261	ppbv		100
59) m/p-Xylene	9.535	91	474002	11.549	ppbv	#	29
60) o-Xylene	9.966	91	428248	10.565	ppbv		98
61) Styrene	9.872	104	180052	9.839	ppbv		99
62) Isopropylbenzene	10.542	105	773742	10.564	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.966	83	273835	10.089	ppbv		99
64) n-propylbenzene	10.992	120	202414	10.438	ppbv		96
65) tert-Butylbenzene	11.532	119	664024	10.266	ppbv		97
66) Benzyl Chloride	11.620	91	66651	9.258	ppbv		98
67) sec-Butylbenzene	11.769	105	948023	10.327	ppbv		99
69) p-Isopropyltoluene	11.927	119	798570	10.237	ppbv		98
70) n-Butylbenzene	12.283	91	800217	10.410	ppbv		99
71) 2-Chlorotoluene	10.901	91	584421	10.461	ppbv		99
72) 4-Ethyltoluene	11.128	105	532971	10.693	ppbv		98
73) 1,3,5-Trimethylbenzene	11.205	105	438651	10.671	ppbv		93
74) 1,2,4-Trimethylbenzene	11.539	105	479281	10.419	ppbv		96
75) 1,3-Dichlorobenzene	11.610	146	291949	10.943	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	292491	10.872	ppbv		99
77) 1,2-Dichlorobenzene	11.950	146	275403	10.670	ppbv		98
78) Hexachloro-1,3-Butadiene	13.882	225	208179	10.417	ppbv		99
79) Naphthalene	13.516	128	486229	10.113	ppbv		99
80) Naphthalene,2-methyl-	14.462	142	137059	10.942	ppbv		96
81) 1,2,4-Trichlorobenzene	13.442	180	214527	10.750	ppbv		98

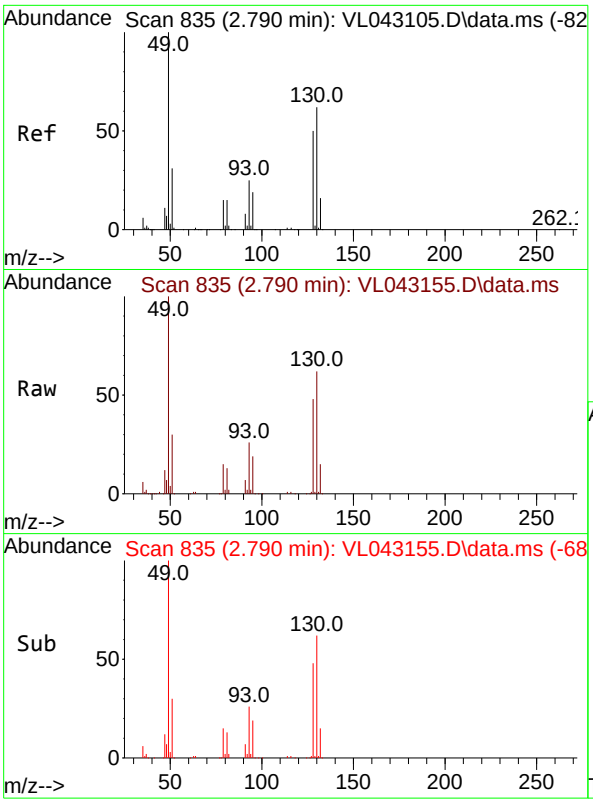
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043155.D
Acq On : 06 Nov 2025 07:19
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 07 00:16:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



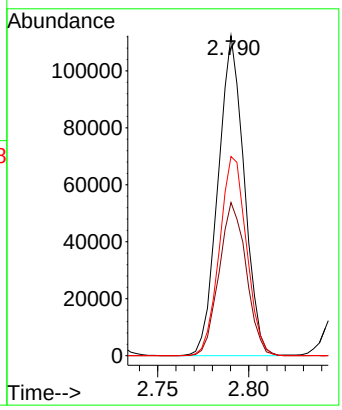


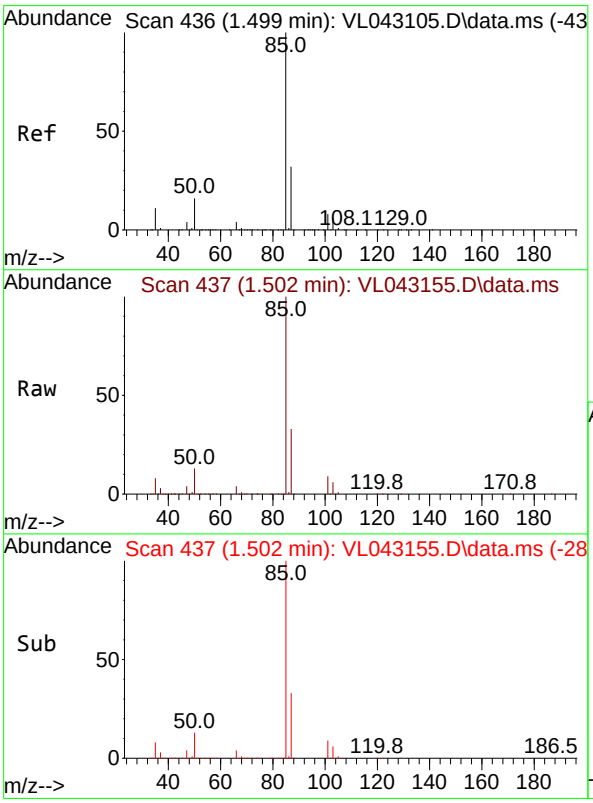
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 111679

Ion	Ratio	Lower	Upper
49	100		
128	49.7	24.4	73.4
130	64.6	31.0	93.0

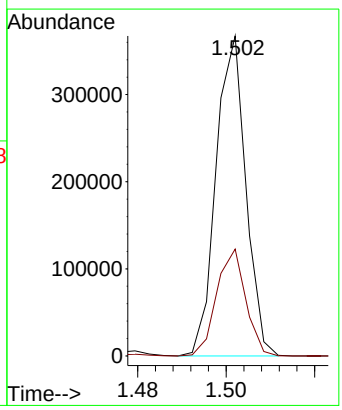


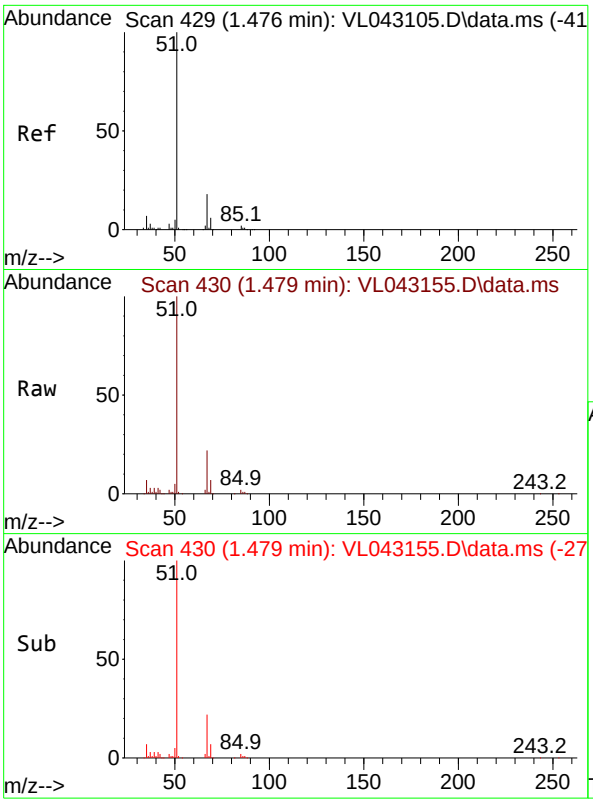


#2
Dichlorodifluoromethane
Concen: 10.832 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 85 Resp: 171973

Ion	Ratio	Lower	Upper
85	100		
87	33.4	25.3	37.9



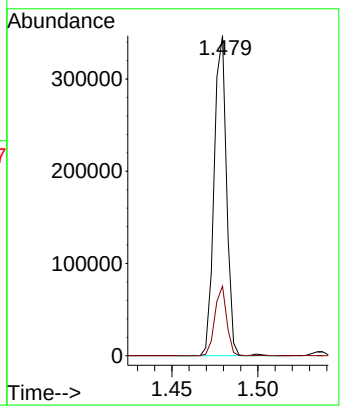


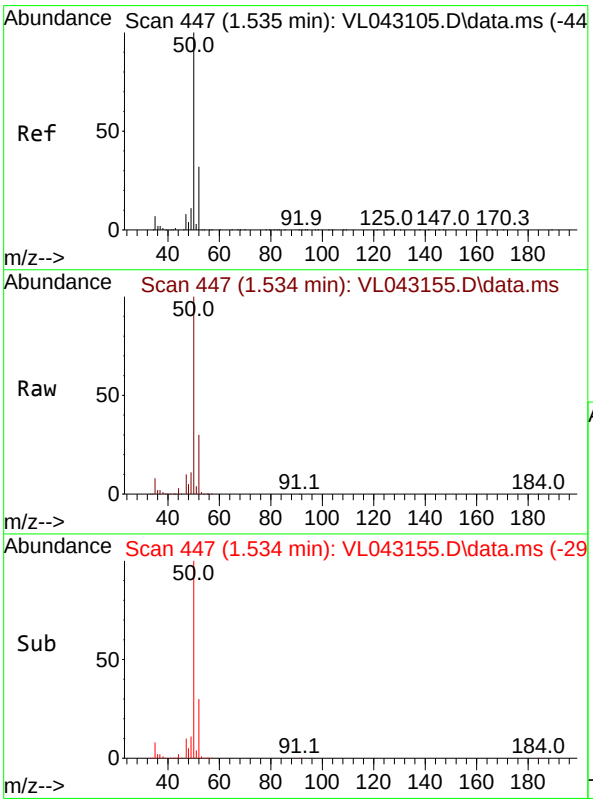
#3
Chlorodifluoromethane
Concen: 10.109 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 173652

Ion	Ratio	Lower	Upper
51	100		
67	20.7	15.1	22.7

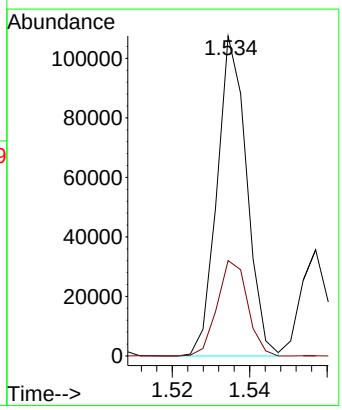


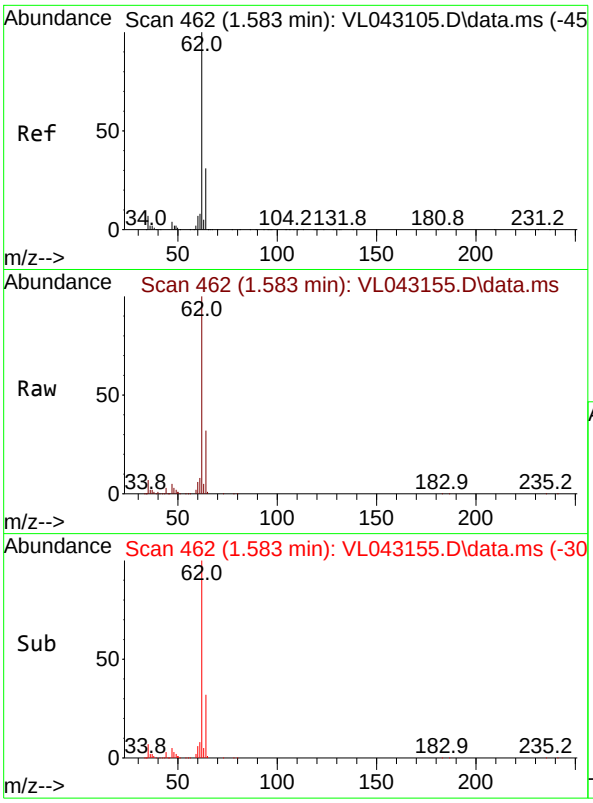


#4
Chloromethane
Concen: 9.075 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 50 Resp: 57078

Ion	Ratio	Lower	Upper
50	100		
52	29.8	25.2	37.8



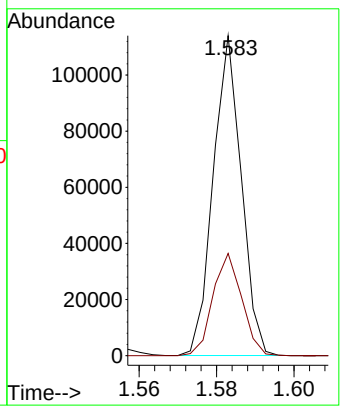


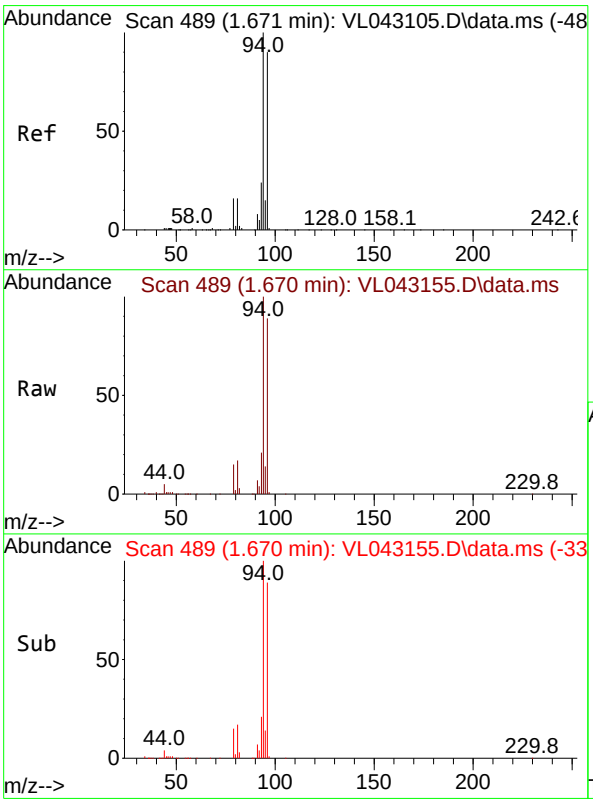
#5
Vinyl Chloride
Concen: 9.304 ppbv
RT: 1.583 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 57398

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.6	36.8

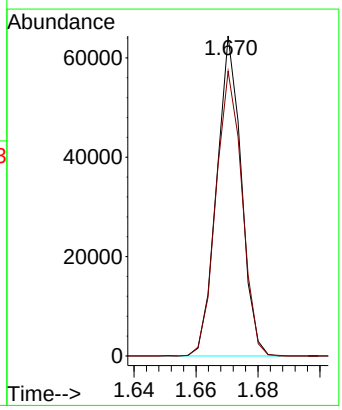


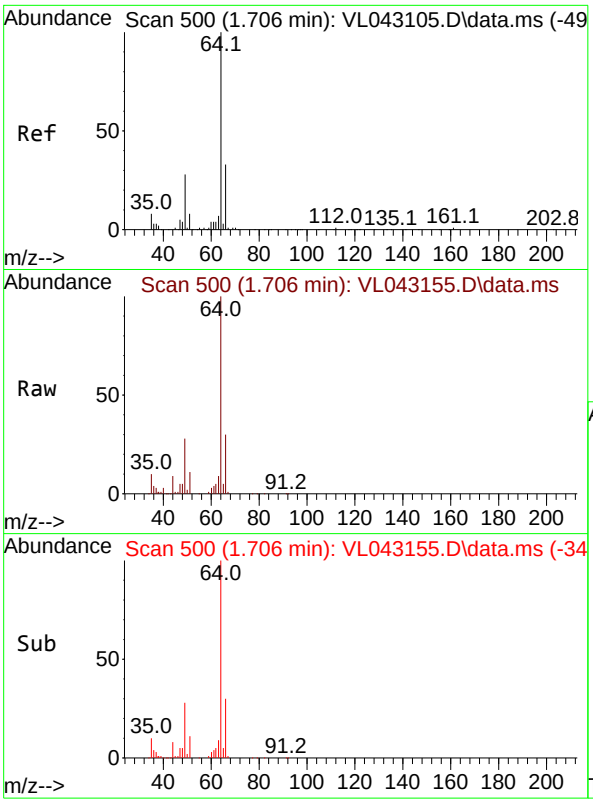


#6
Bromomethane
Concen: 10.482 ppbv
RT: 1.670 min Scan# 489
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 94 Resp: 35458

Ion	Ratio	Lower	Upper
94	100		
96	89.0	72.2	108.4



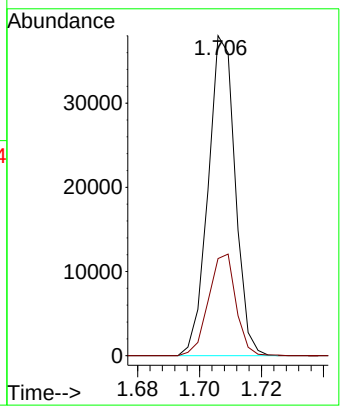


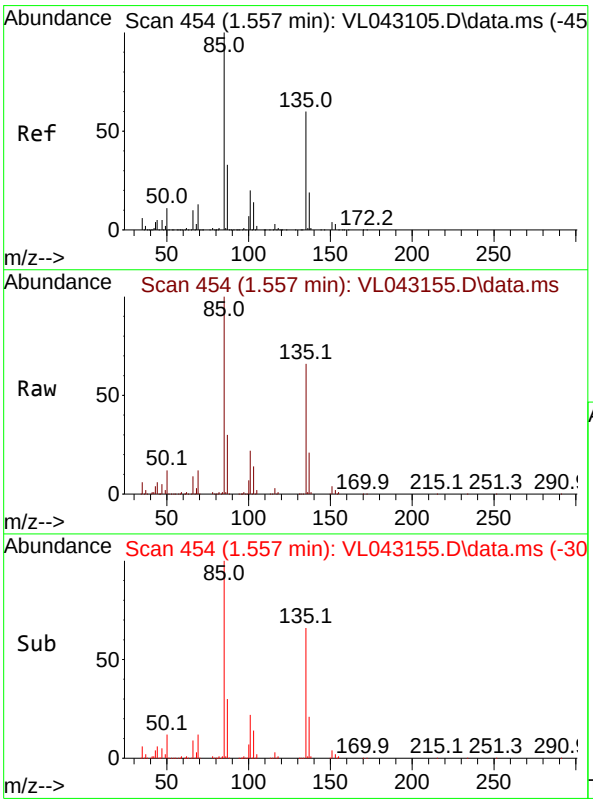
#7
Chloroethane
Concen: 9.123 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 23010

Ion	Ratio	Lower	Upper
64	100		
66	30.4	26.0	39.0

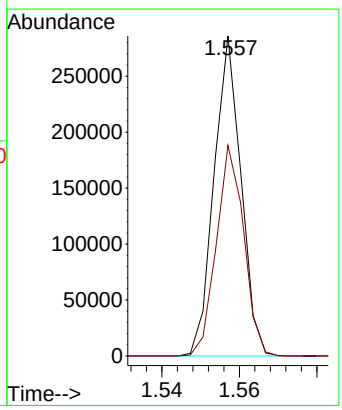


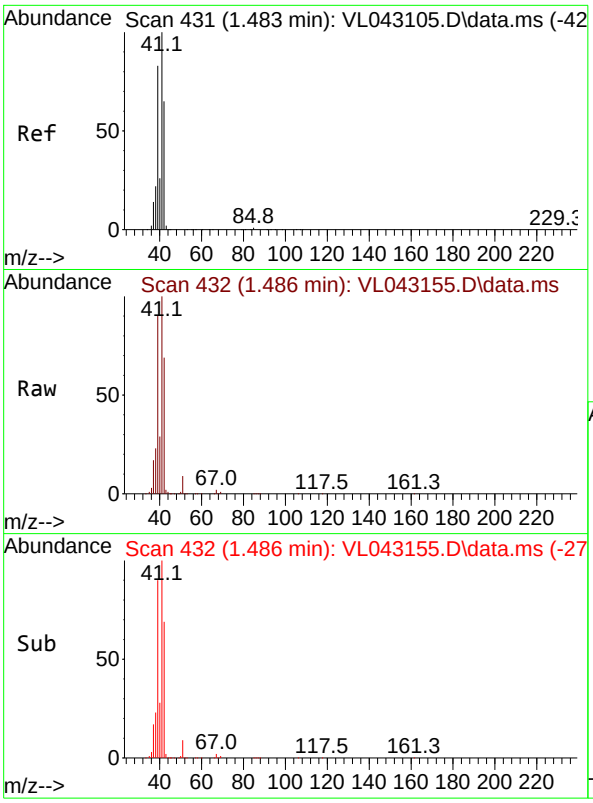


#8
Dichlorotetrafluoroethane
Concen: 10.753 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 85 Resp: 137989

Ion	Ratio	Lower	Upper
85	100		
135	67.0	48.2	72.4



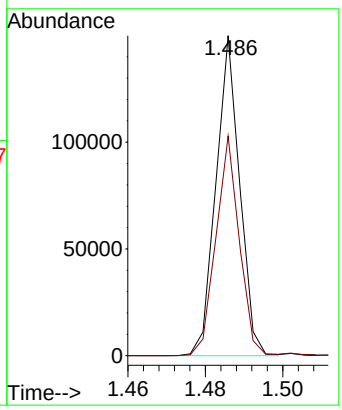


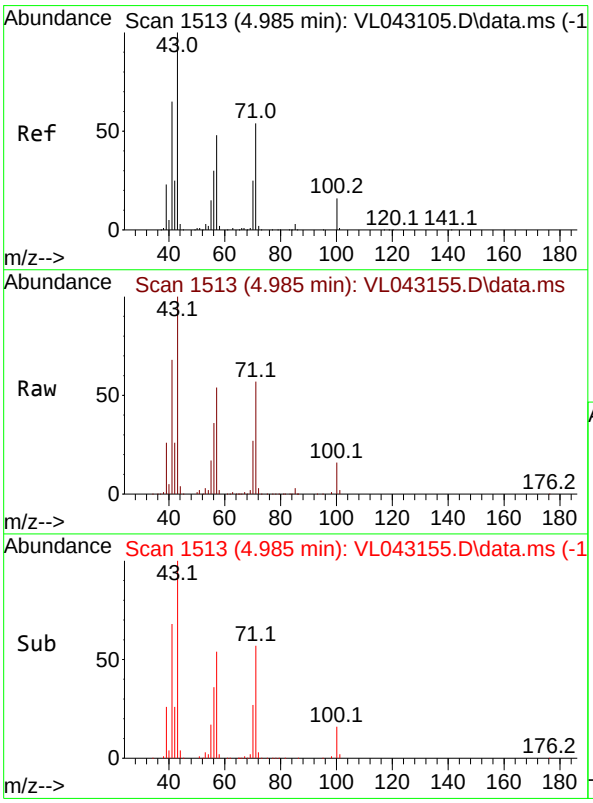
#9
Propene
Concen: 8.370 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 63768

Ion	Ratio	Lower	Upper
41	100		
42	68.3	55.1	82.7

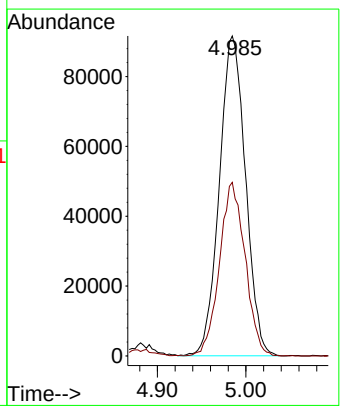


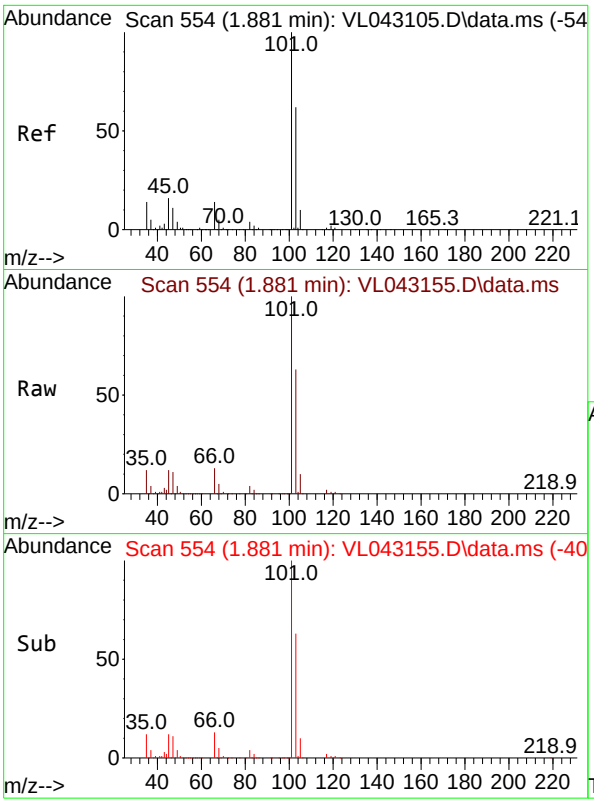


#10
Heptane
Concen: 8.579 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 43 Resp: 188172

Ion	Ratio	Lower	Upper
43	100		
57	53.2	40.8	61.2



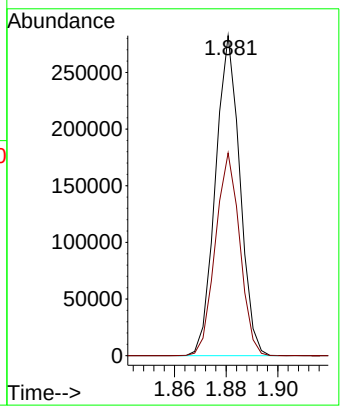


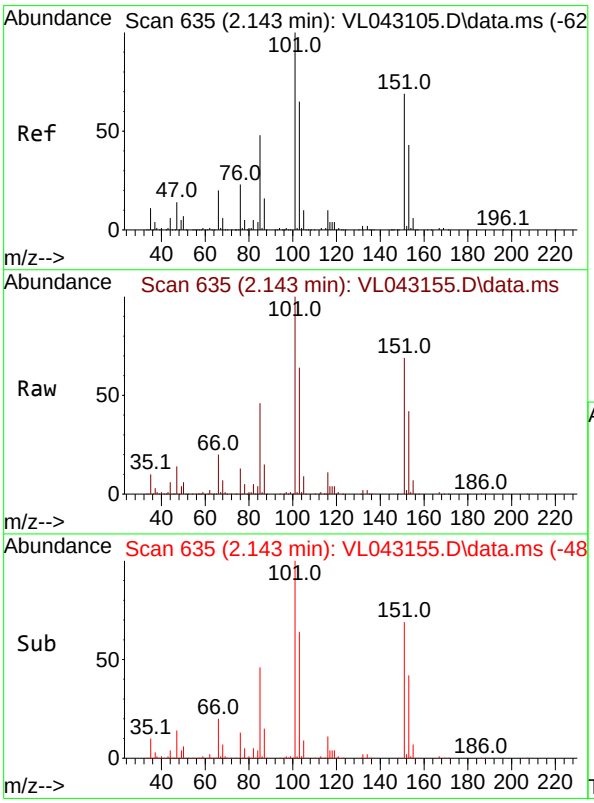
#11
Trichlorofluoromethane
Concen: 11.925 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 185190

Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.3	73.9

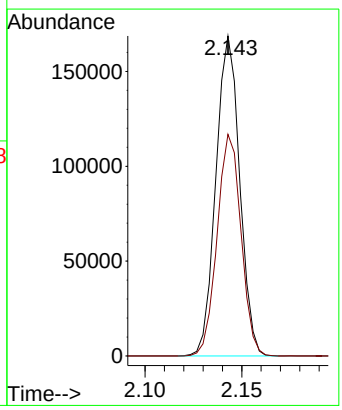


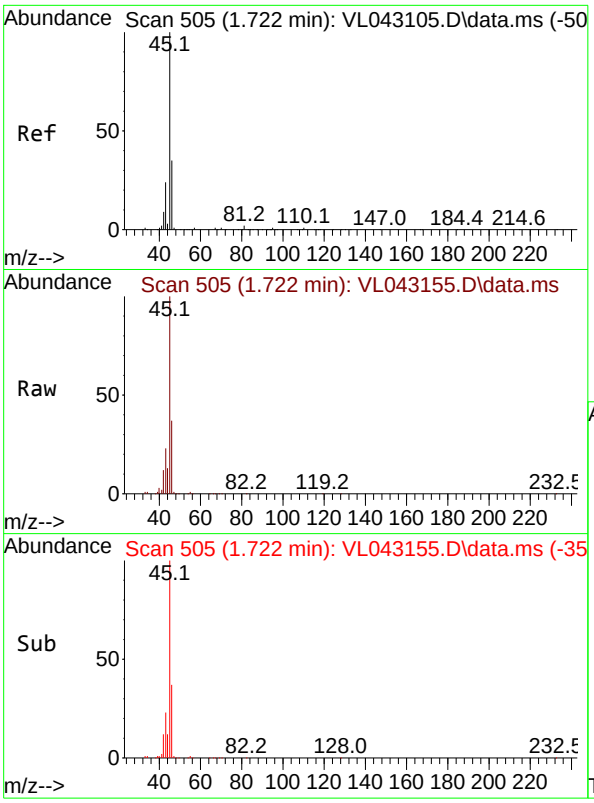


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.519 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:101 Resp: 144020

Ion	Ratio	Lower	Upper
101	100		
151	69.5	54.7	82.1



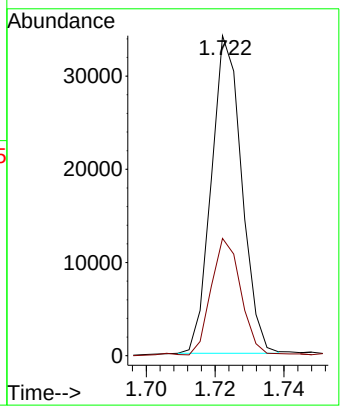


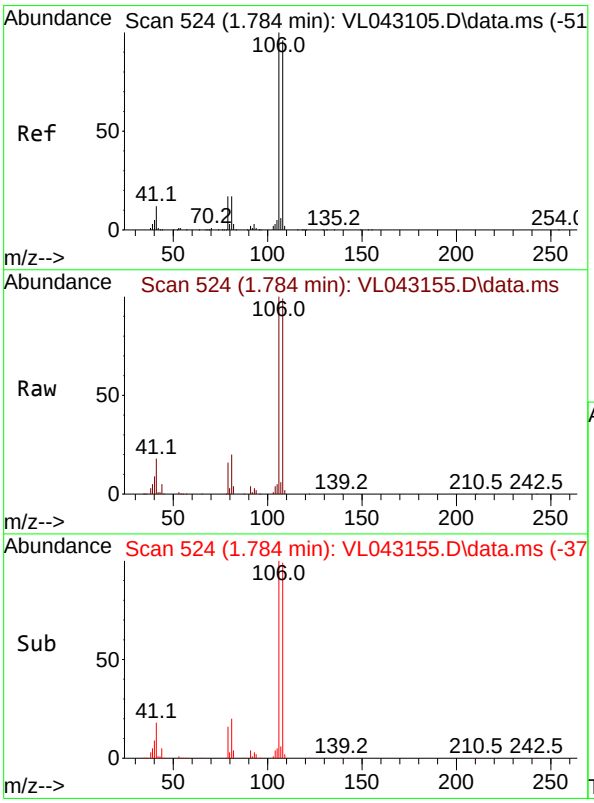
#13
Ethanol
Concen: 7.389 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 20822

Ion	Ratio	Lower	Upper
45	100		
46	38.0	14.7	58.9

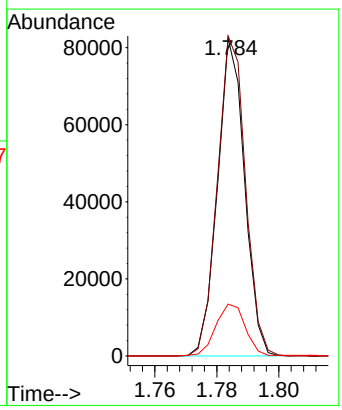


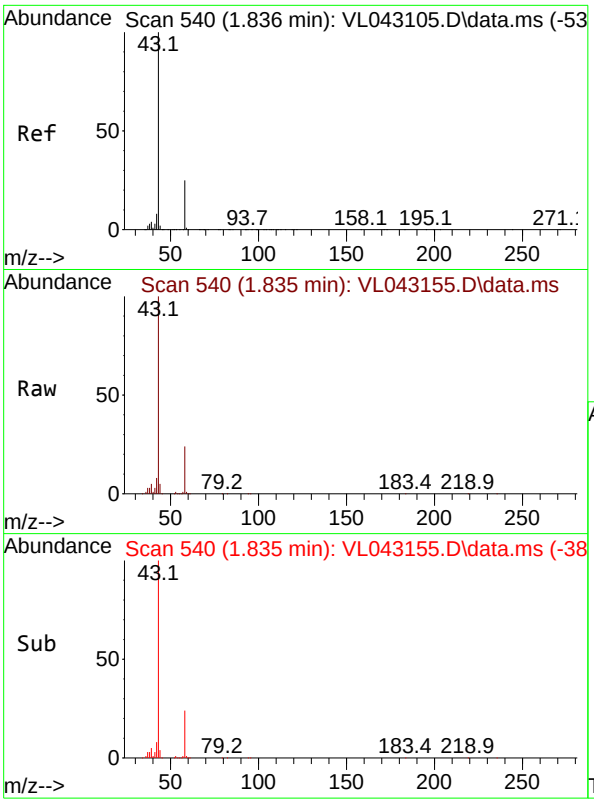


#14
Bromoethene
Concen: 10.750 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:108 Resp: 49929

Ion	Ratio	Lower	Upper
108	100		
106	104.4	84.4	126.6
79	18.3	15.3	22.9



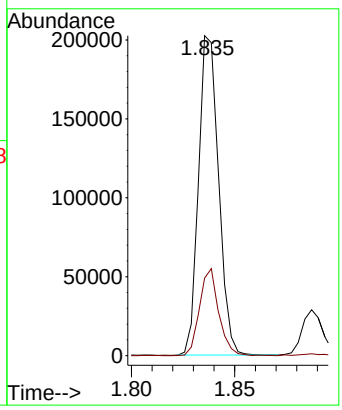


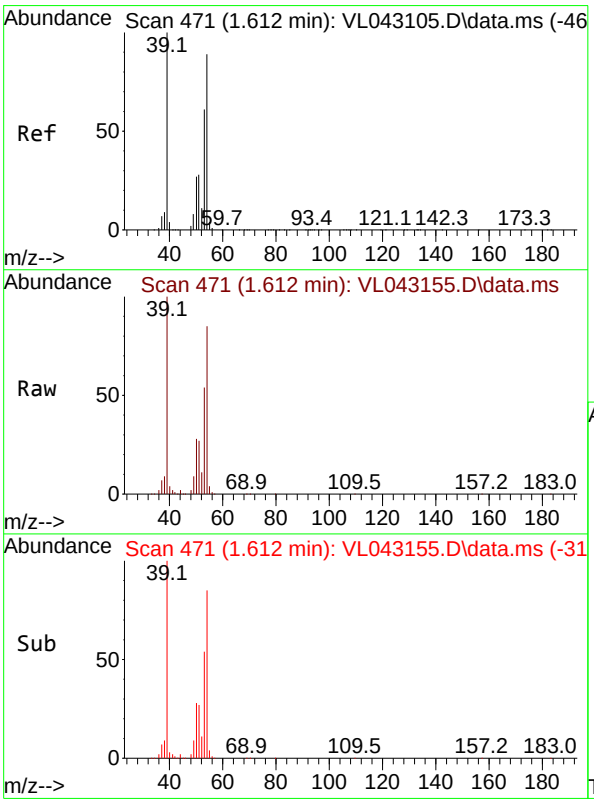
#15
Acetone
Concen: 9.072 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 136553

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.8	31.2

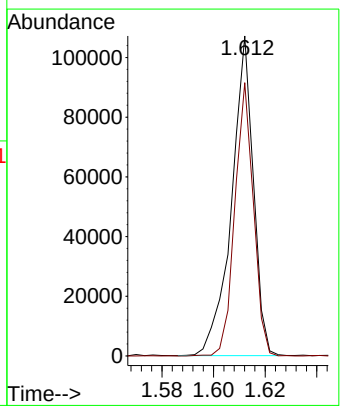


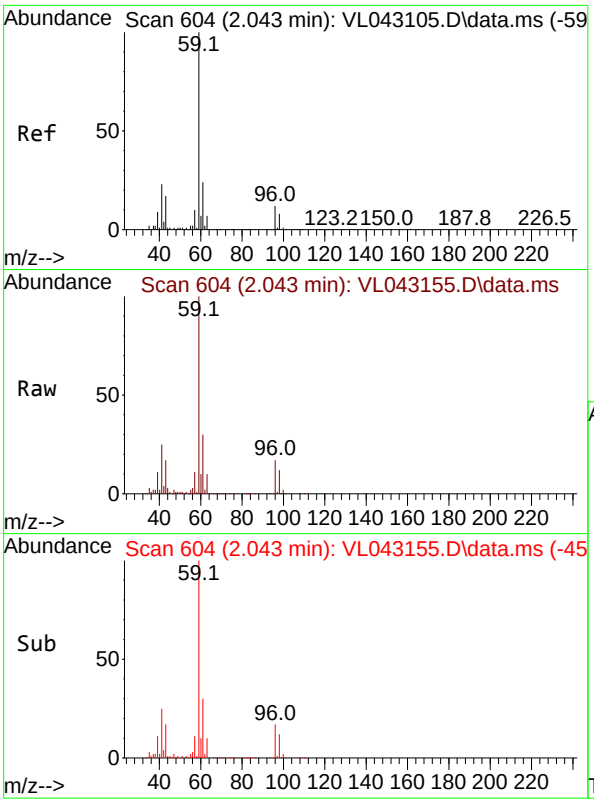


#16
1,3-Butadiene
Concen: 8.785 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 39 Resp: 63019

Ion	Ratio	Lower	Upper
39	100		
54	72.9	59.0	88.4



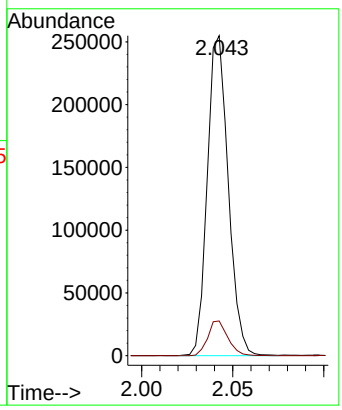


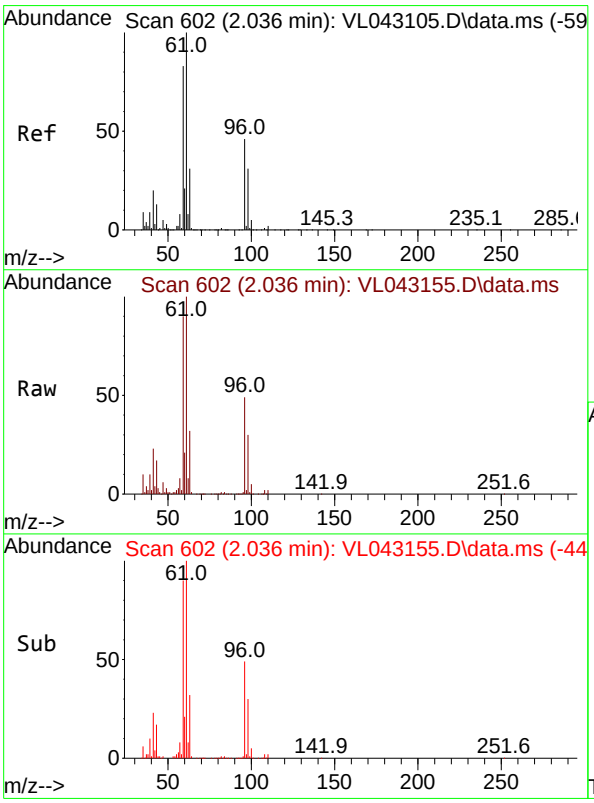
#17
tert-Butyl alcohol
Concen: 9.889 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 204329

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

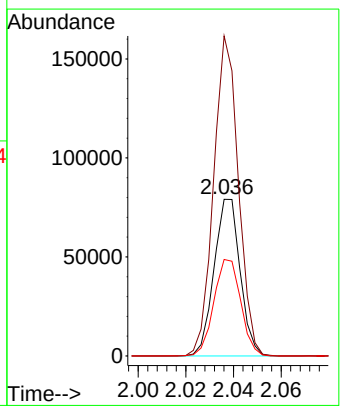


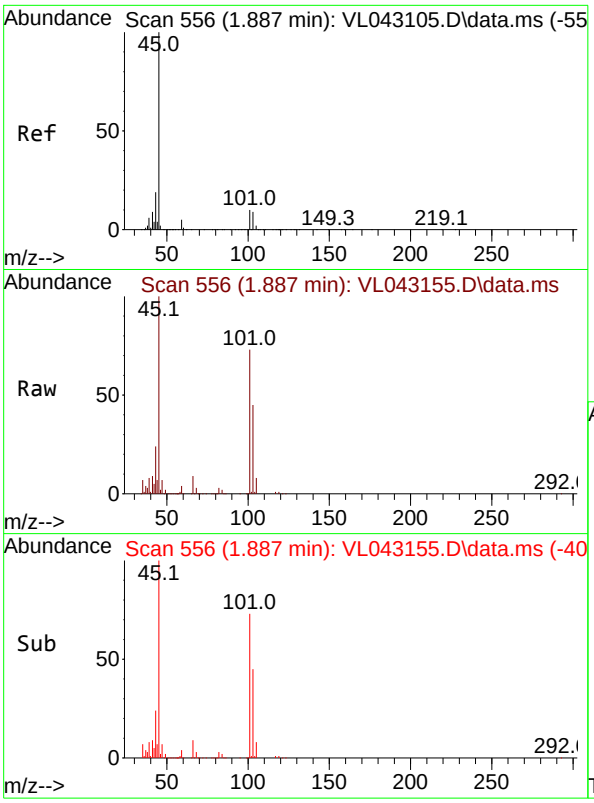


#18
1,1-Dichloroethene
Concen: 11.030 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 96 Resp: 60122

Ion	Ratio	Lower	Upper
96	100		
61	204.3	173.4	260.0
98	61.6	53.2	79.8



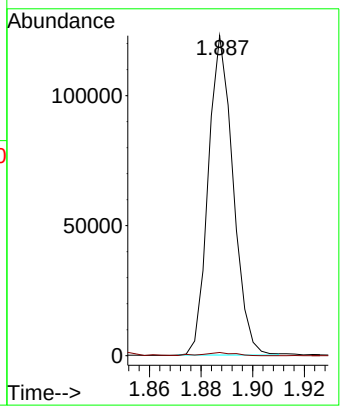


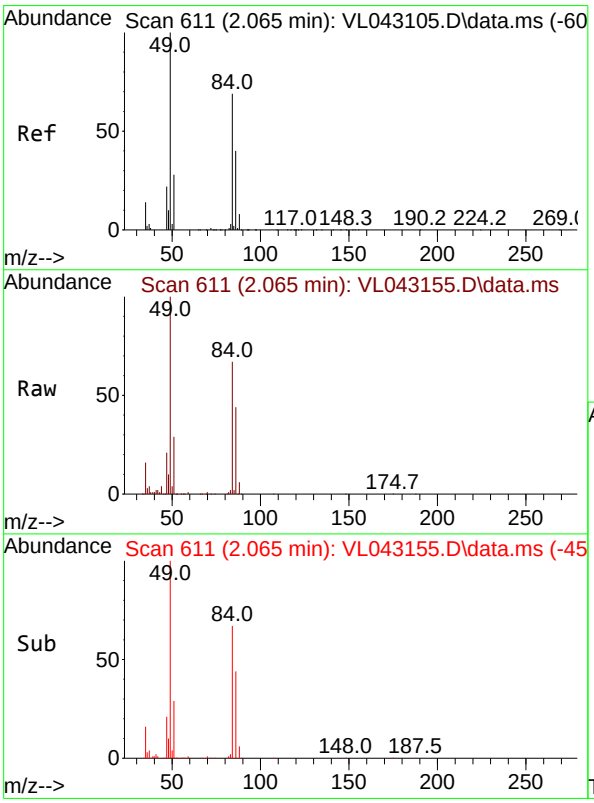
#19
Isopropyl Alcohol
Concen: 8.736 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 81900

Ion	Ratio	Lower	Upper
45	100		
58	43.6	31.3	46.9

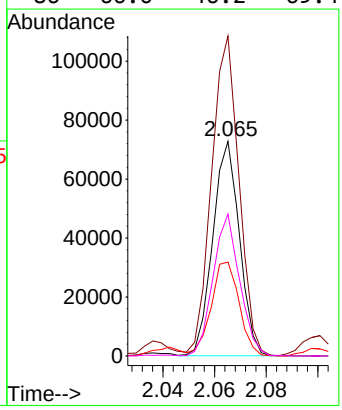


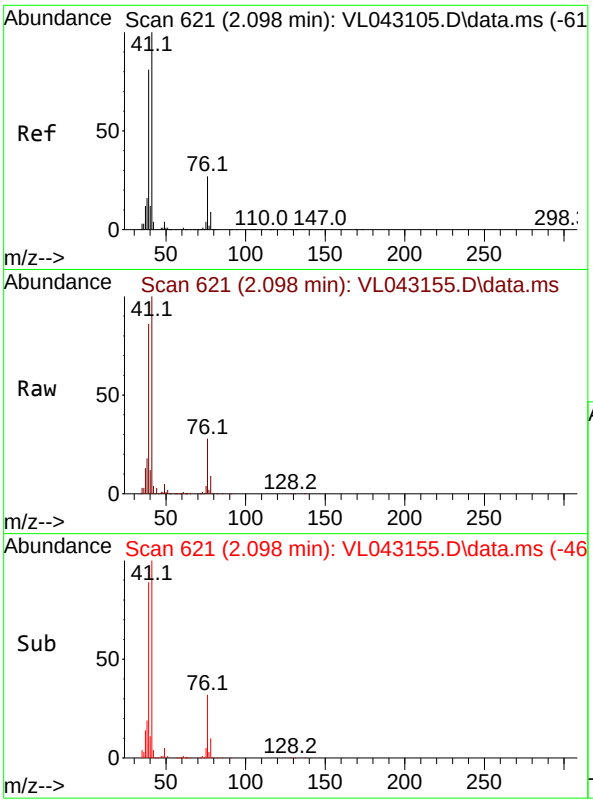


#20
Methylene Chloride
Concen: 8.774 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 84 Resp: 52206

Ion	Ratio	Lower	Upper
84	100		
49	149.2	116.6	175.0
51	43.7	34.8	52.2
86	66.0	46.2	69.4



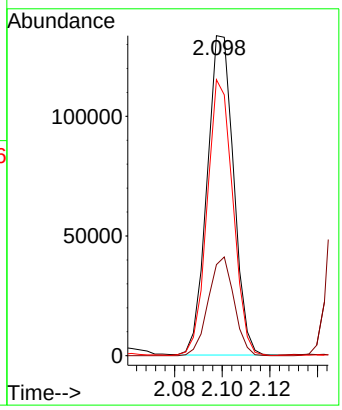


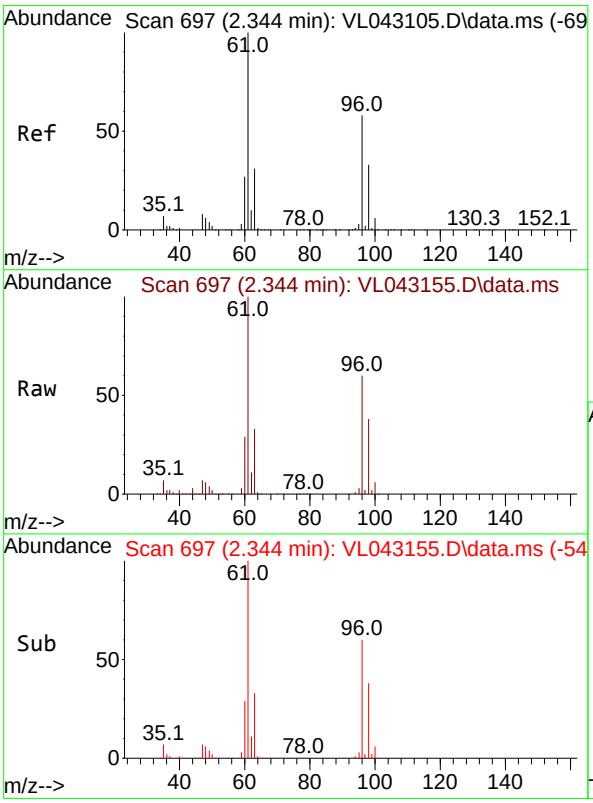
#21
Allyl Chloride
Concen: 9.309 ppbv
RT: 2.098 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 103255

Ion	Ratio	Lower	Upper
41	100		
76	29.9	21.5	32.3
39	83.3	60.8	91.2

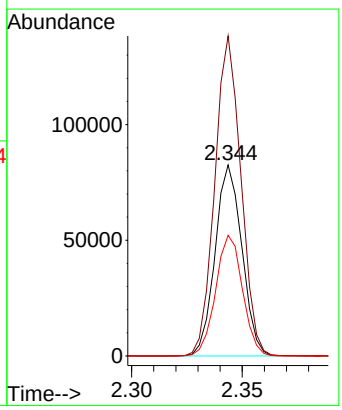


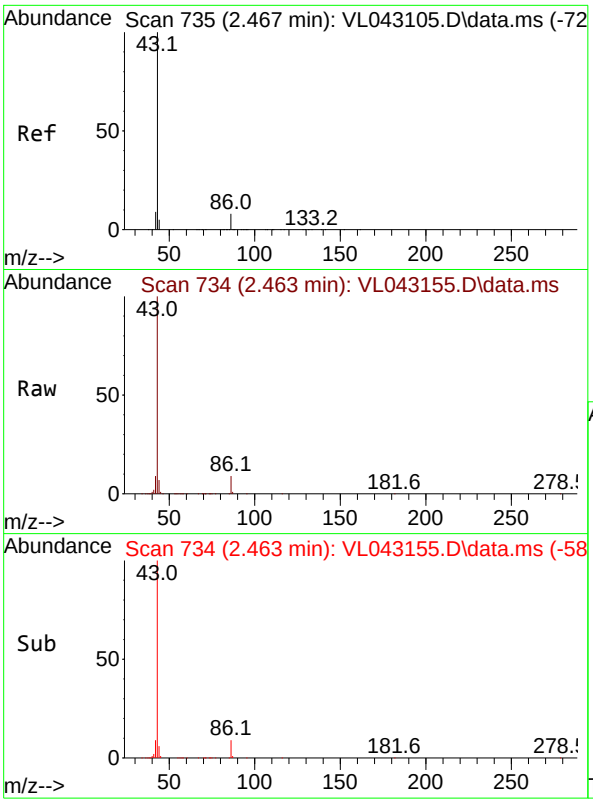


#22
trans-1,2-Dichloroethene
Concen: 10.686 ppbv
RT: 2.344 min Scan# 697
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 96 Resp: 69627

Ion	Ratio	Lower	Upper
96	100		
61	167.5	137.0	205.6
98	63.2	45.5	68.3



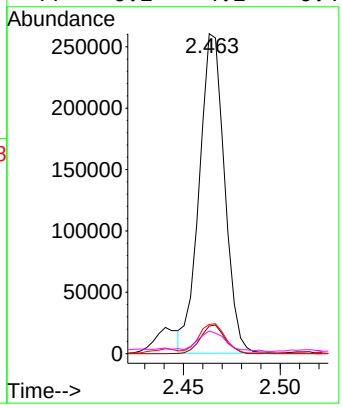


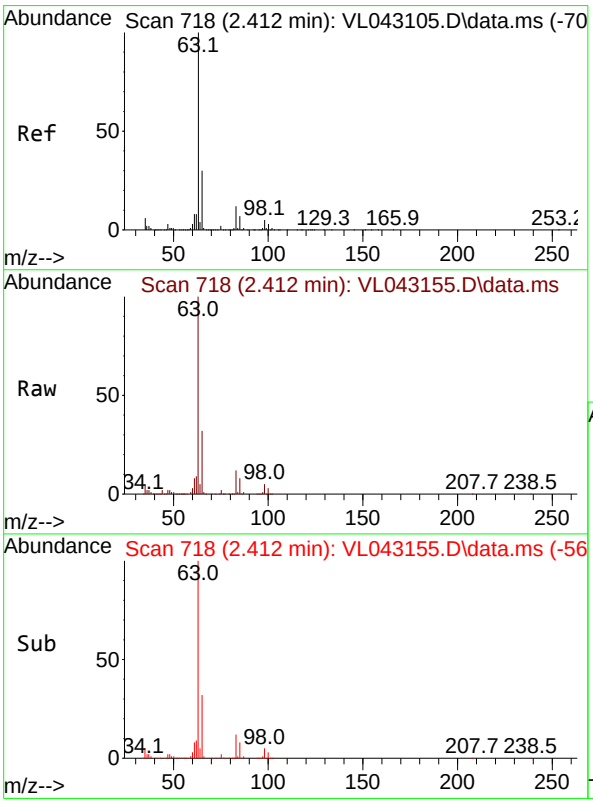
#23
Vinyl Acetate
Concen: 10.726 ppbv
RT: 2.463 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 236500

Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.2	9.2
42	9.1	7.6	11.4
44	6.2	4.2	6.4

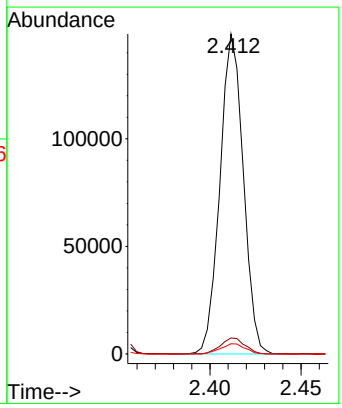


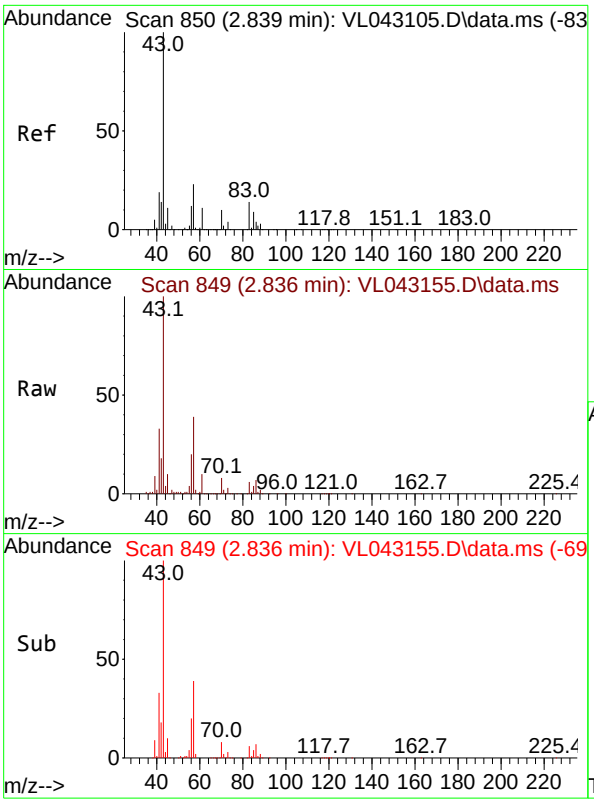


#24
1,1-Dichloroethane
Concen: 10.535 ppbv
RT: 2.412 min Scan# 718
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 63 Resp: 132624

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.6	7.8
100	3.2	1.5	4.4



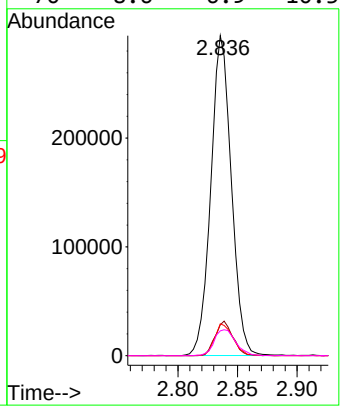


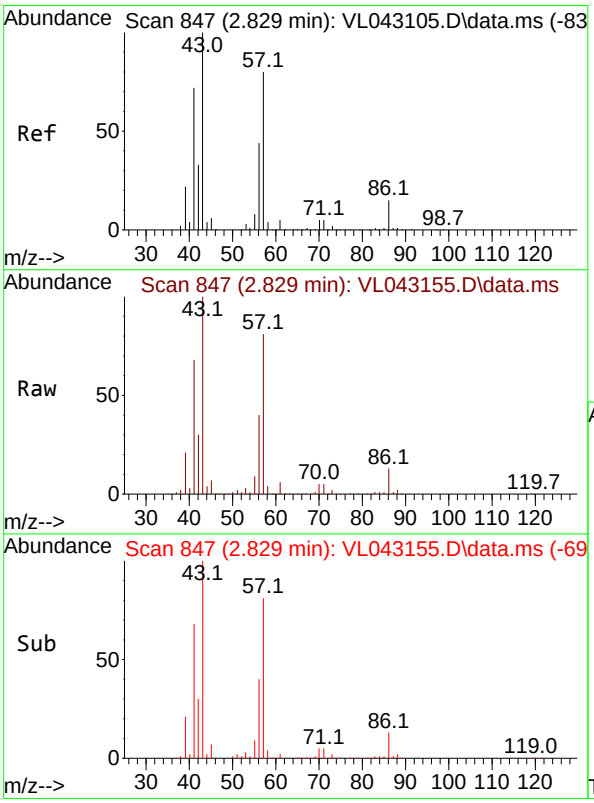
#25
Ethyl Acetate
Concen: 9.452 ppbv
RT: 2.836 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 352821

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.8
61	9.0	7.0	10.6
70	8.6	6.9	10.3

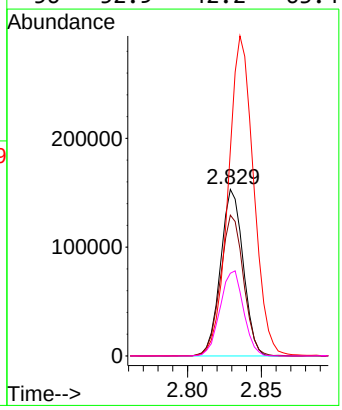


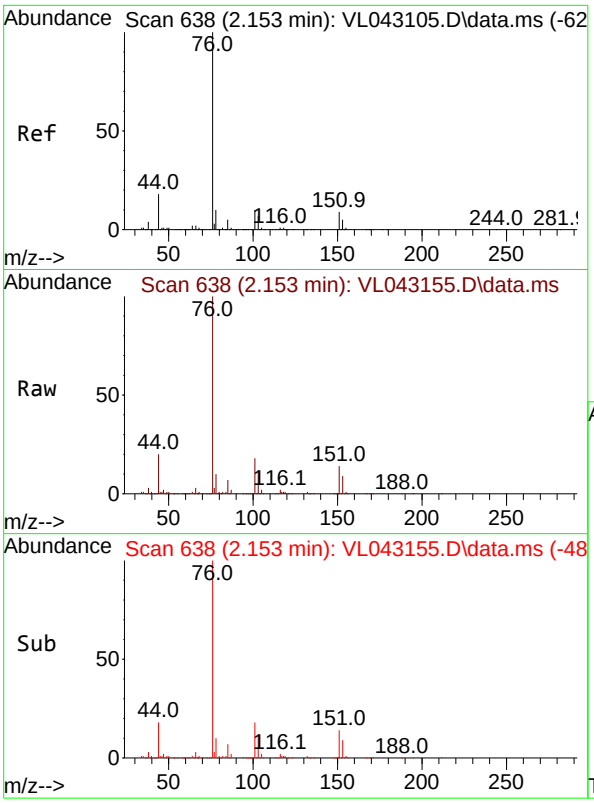


#26
Hexane
Concen: 9.508 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 57 Resp: 163545

Ion	Ratio	Lower	Upper
57	100		
41	87.0	71.4	107.0
43	216.3	178.5	267.7
56	52.9	42.2	63.4



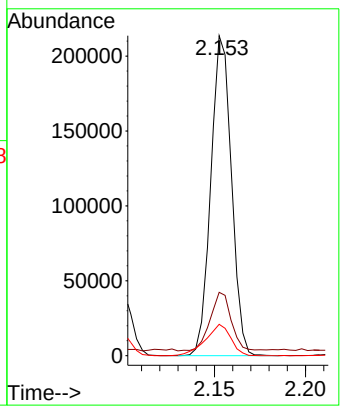


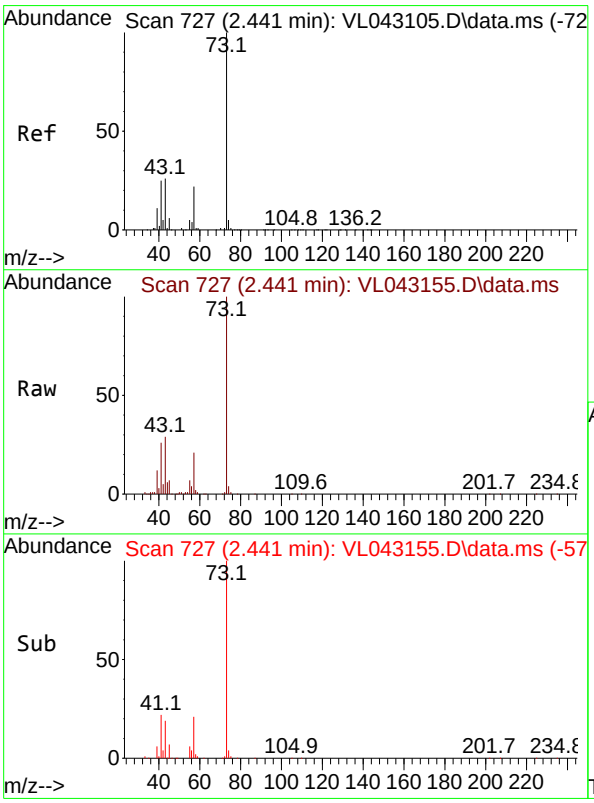
#27
Carbon Disulfide
Concen: 10.684 ppbv
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 168378

Ion	Ratio	Lower	Upper
76	100		
44	19.4	16.7	25.1
78	12.0	9.3	13.9

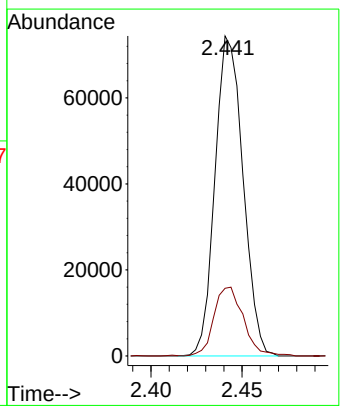


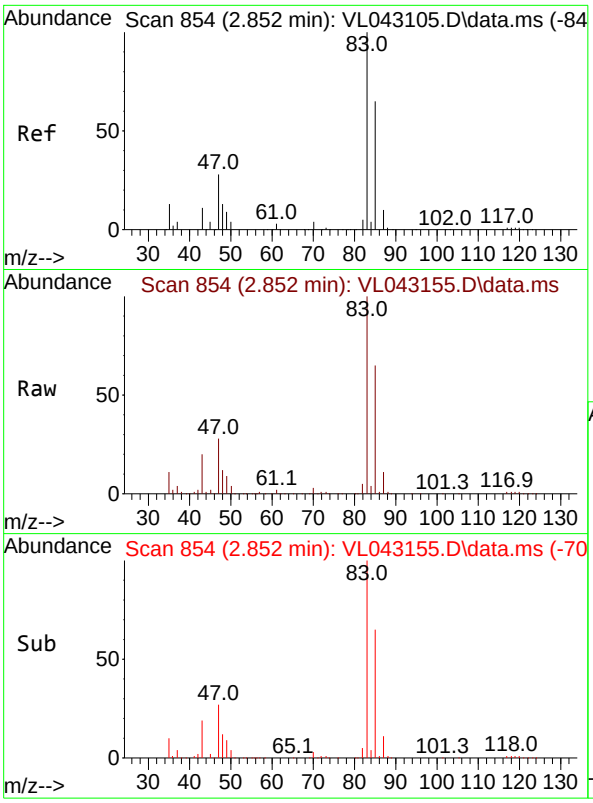


#28
Methyl tert-Butyl Ether
Concen: 10.158 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 73 Resp: 79492

Ion	Ratio	Lower	Upper
73	100		
57	22.8	20.5	30.7



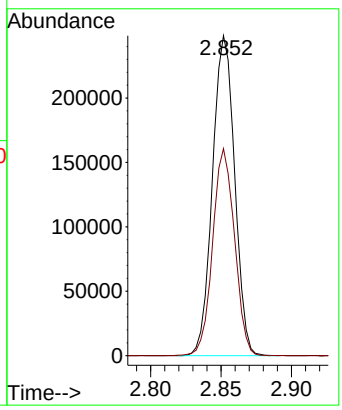


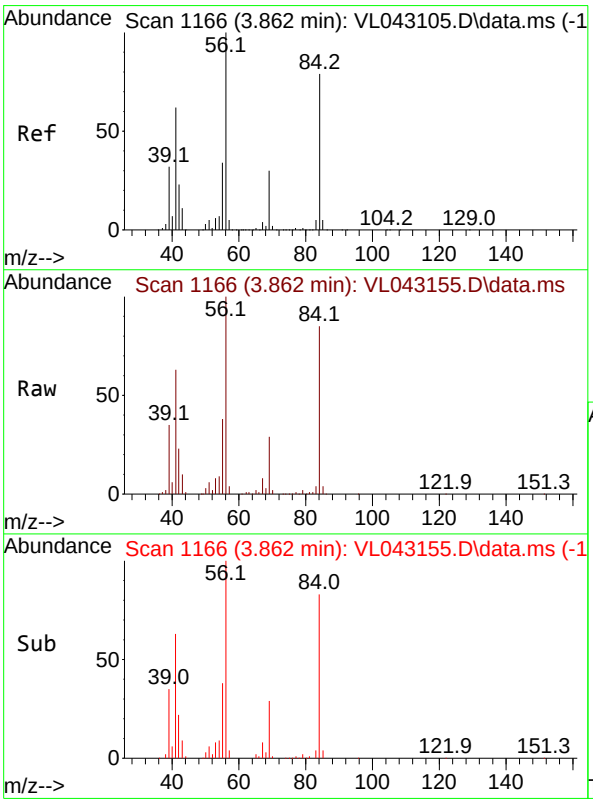
#29
Chloroform
Concen: 10.919 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 272134

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

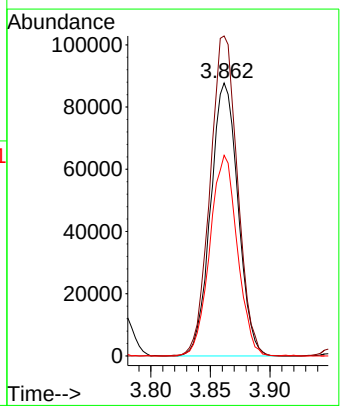


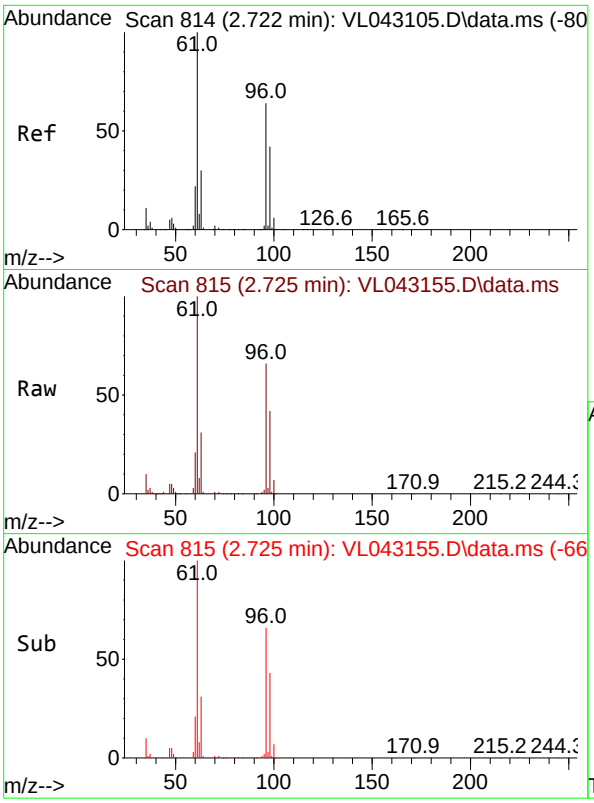


#30
Cyclohexane
Concen: 9.341 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 84 Resp: 140232

Ion	Ratio	Lower	Upper
84	100		
56	117.5	100.9	151.3
41	73.7	63.8	95.6



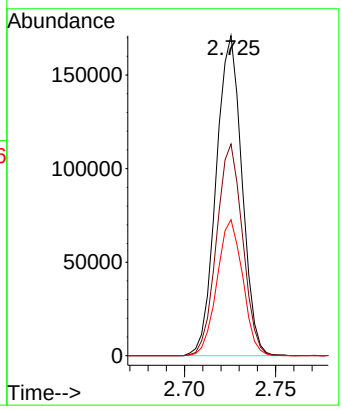


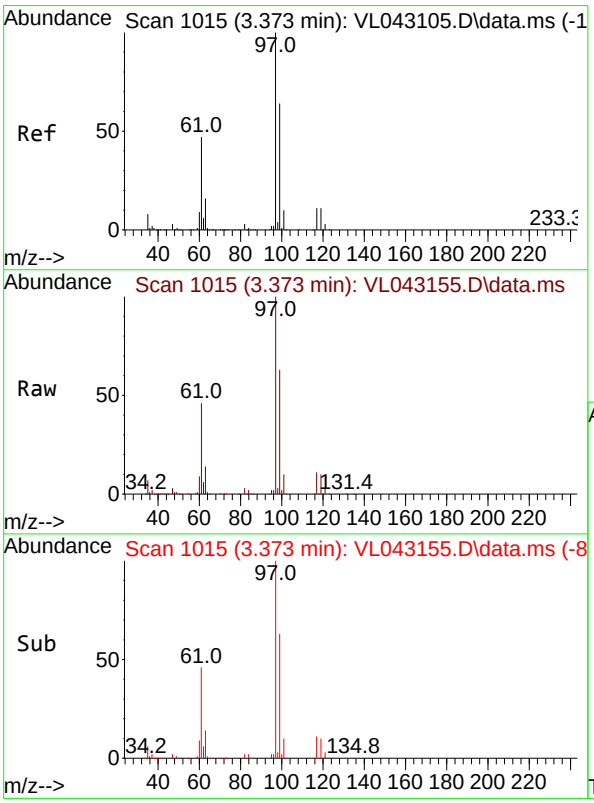
#31
cis-1,2-Dichloroethene
Concen: 10.263 ppbv
RT: 2.725 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 168571

Ion	Ratio	Lower	Upper
61	100		
96	66.1	51.0	76.6
98	42.5	33.5	50.3

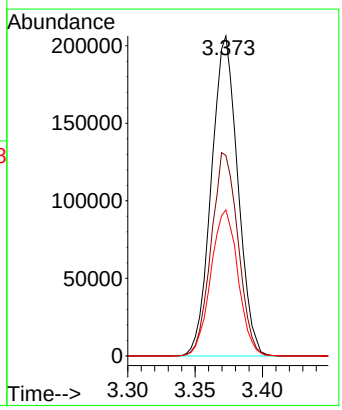


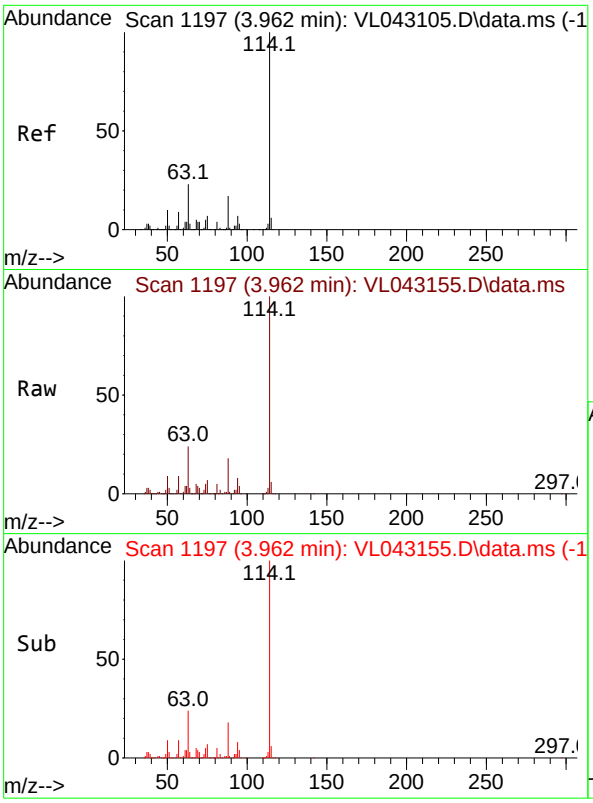


#32
1,1,1-Trichloroethane
Concen: 10.844 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 97 Resp: 281440

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	47.1	38.4	57.6



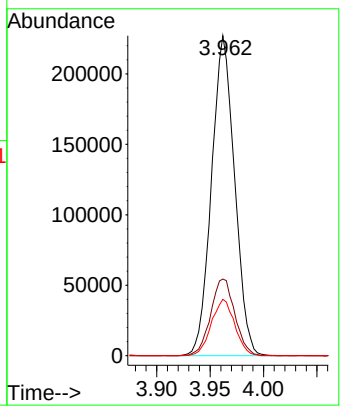


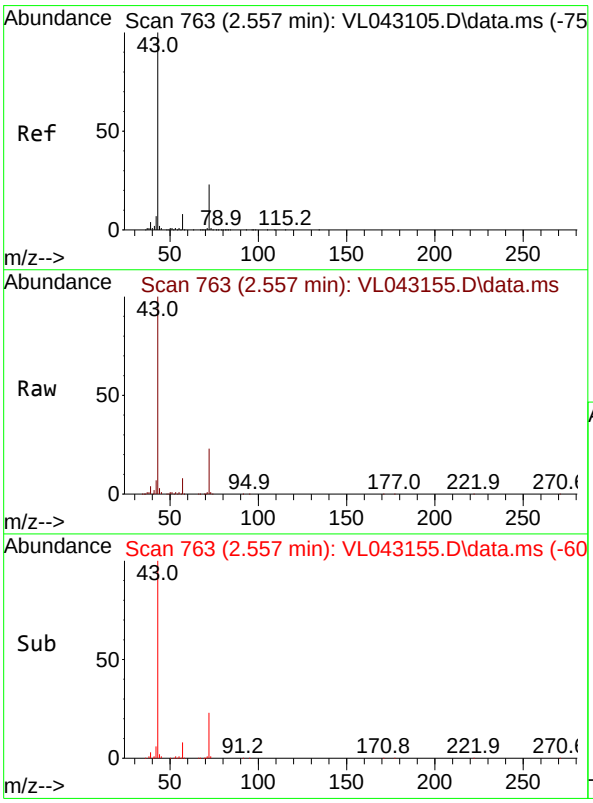
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 341877

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.3	28.9
88	17.8	13.9	20.9

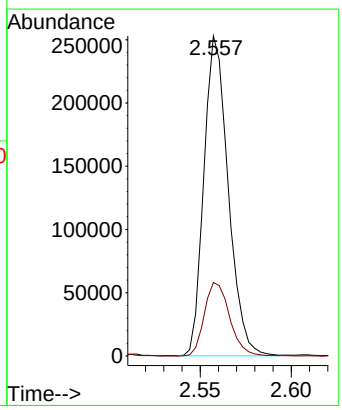


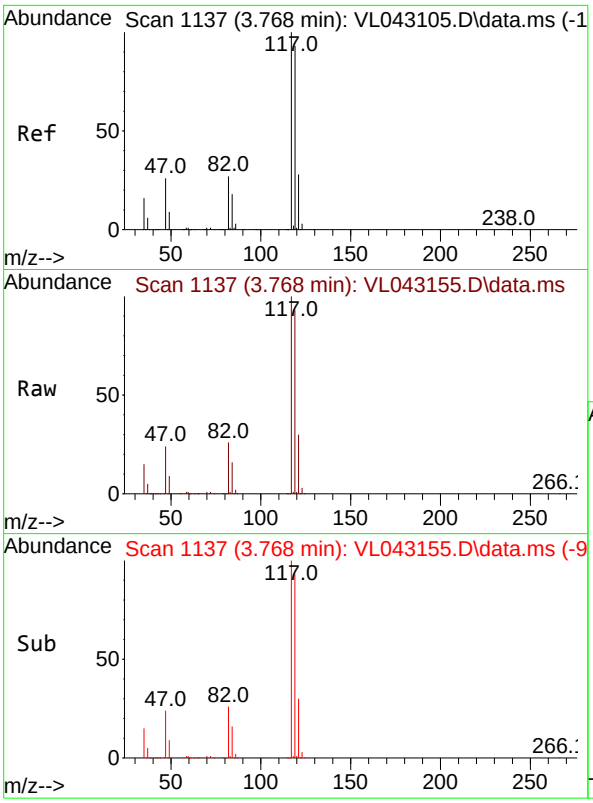


#34
2-Butanone
Concen: 10.242 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 43 Resp: 235359

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6



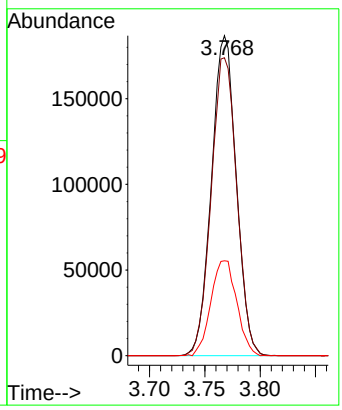


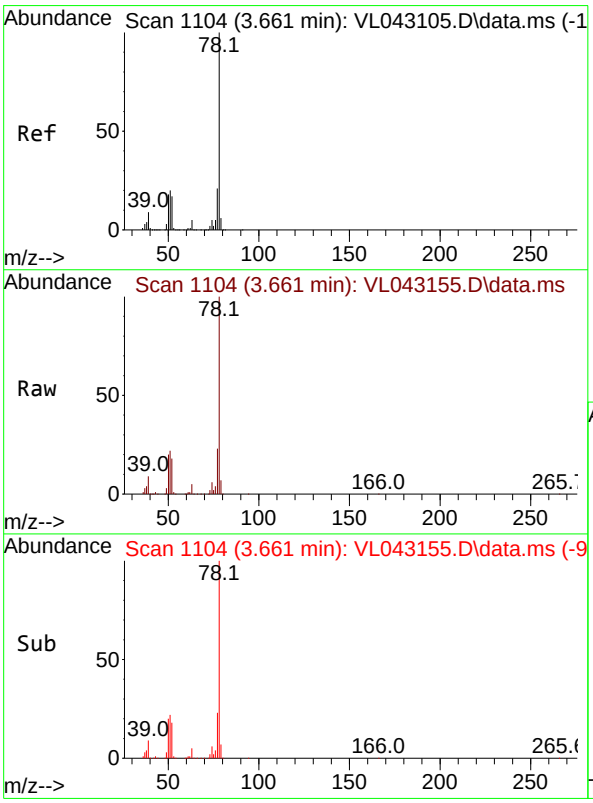
#35
Carbon Tetrachloride
Concen: 11.845 ppbv
RT: 3.768 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 291148

Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.1	111.1
121	29.6	22.2	33.2

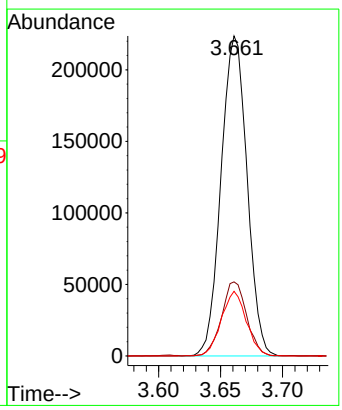


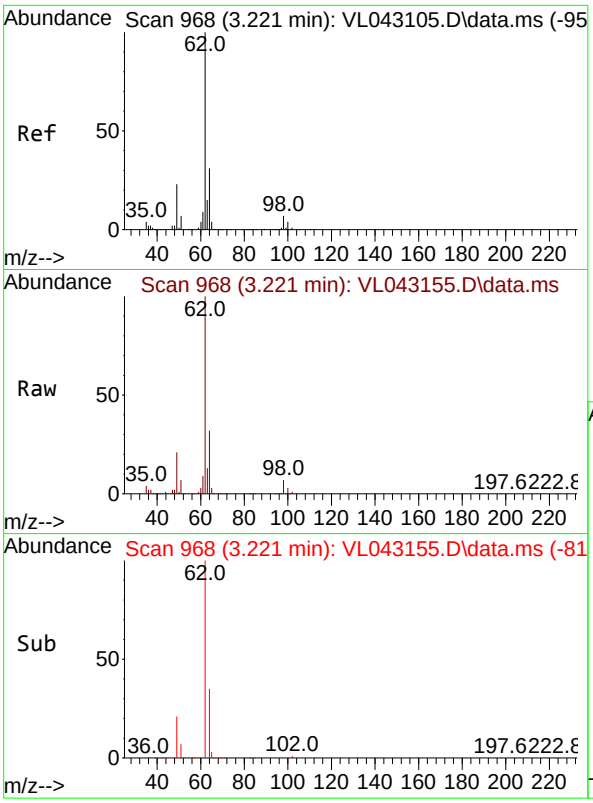


#36
Benzene
Concen: 10.148 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 78 Resp: 326769

Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.0	25.6
50	20.2	14.6	22.0



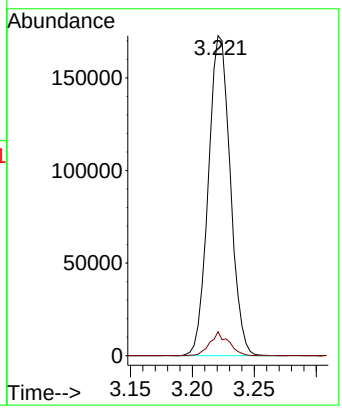


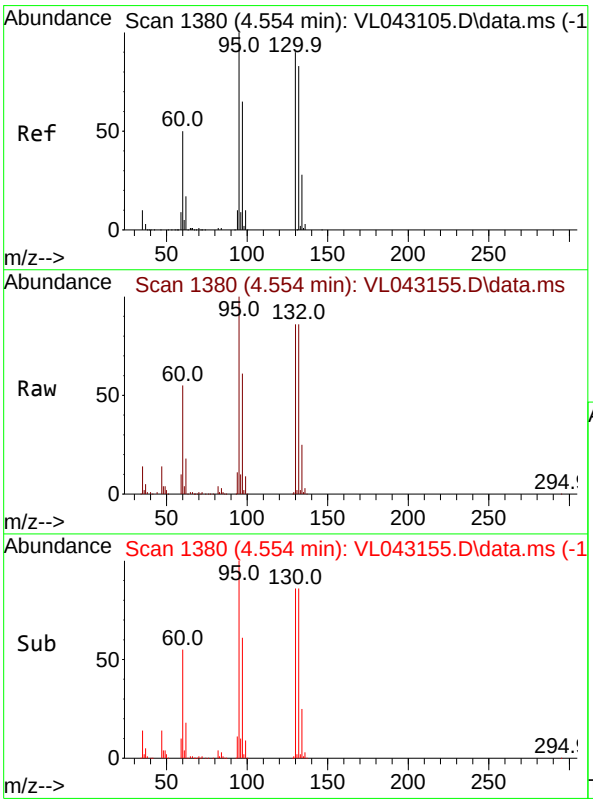
#37
1,2-Dichloroethane
Concen: 11.493 ppbv
RT: 3.221 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 213185

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.8	8.6

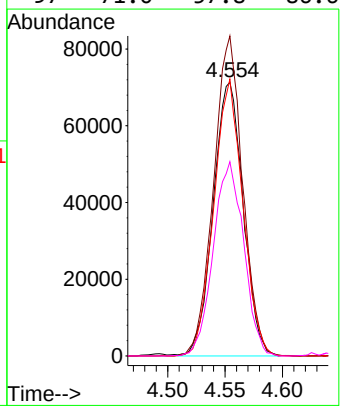


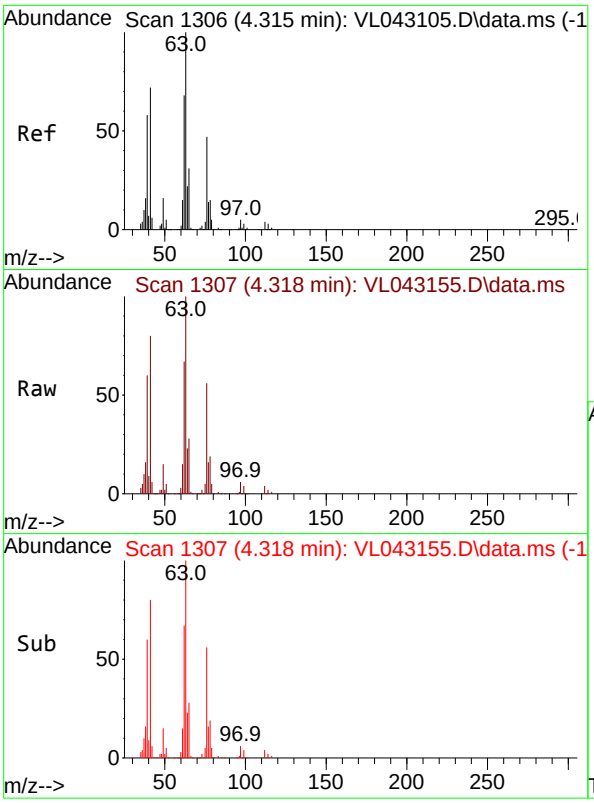


#38
Trichloroethene
Concen: 9.635 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:130 Resp: 129566

Ion	Ratio	Lower	Upper
130	100		
95	116.7	88.6	133.0
132	101.0	73.4	110.0
97	71.0	57.8	86.6



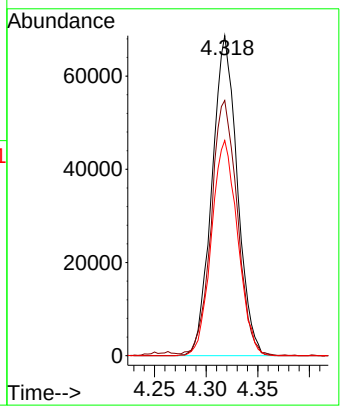


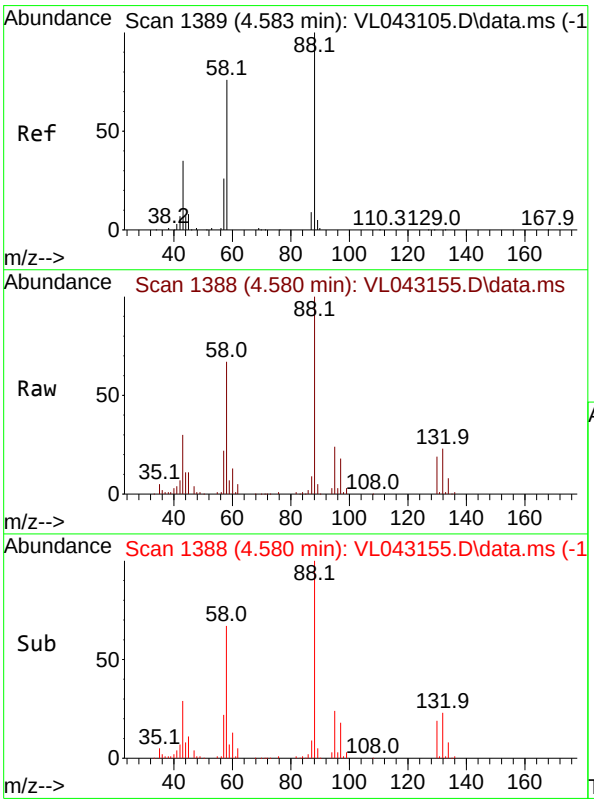
#39
1,2-Dichloropropane
Concen: 9.950 ppbv
RT: 4.318 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 117127

Ion	Ratio	Lower	Upper
63	100		
41	79.6	58.0	87.0
62	67.3	54.7	82.1

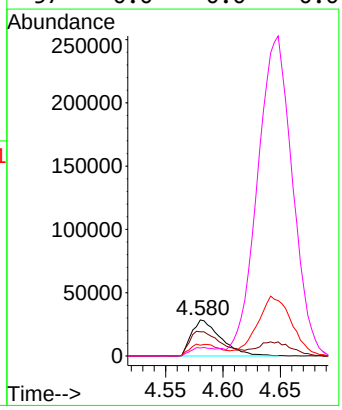


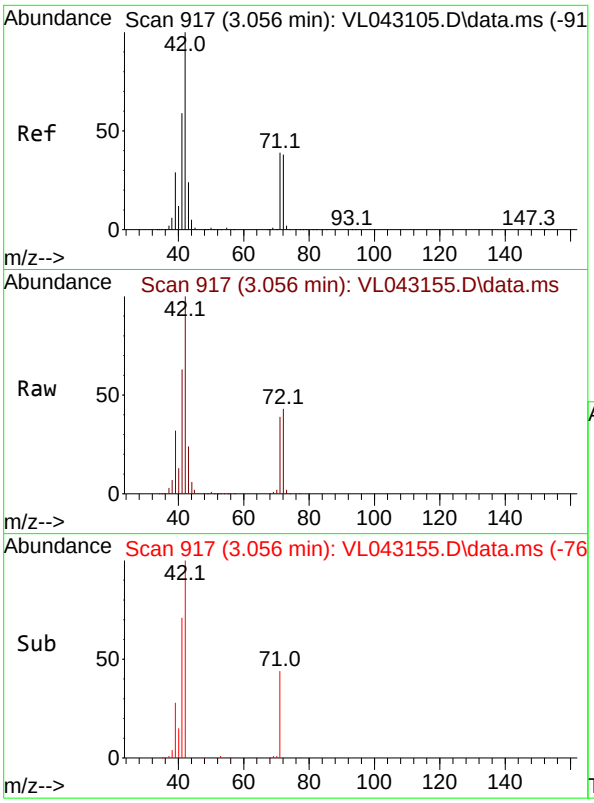


#40
1,4-Dioxane
Concen: 9.574 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 88 Resp: 50431

Ion	Ratio	Lower	Upper
88	100		
58	75.0	61.1	91.7
43	35.7	24.0	36.0
57	0.0	0.0	0.0



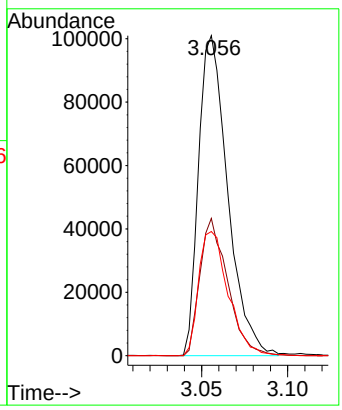


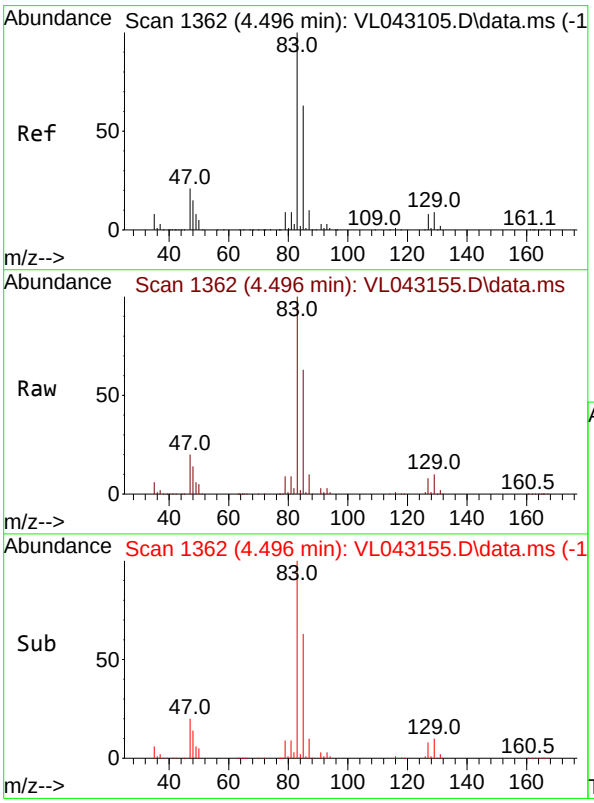
#41
Tetrahydrofuran
Concen: 9.267 ppbv
RT: 3.056 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 119118

Ion	Ratio	Lower	Upper
42	100		
72	40.9	31.3	46.9
71	39.4	30.4	45.6

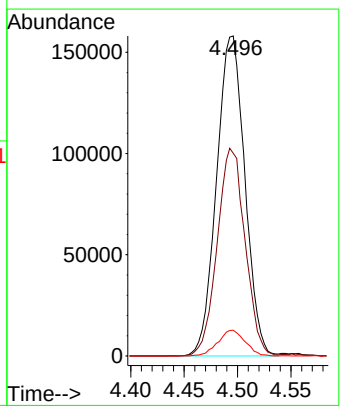


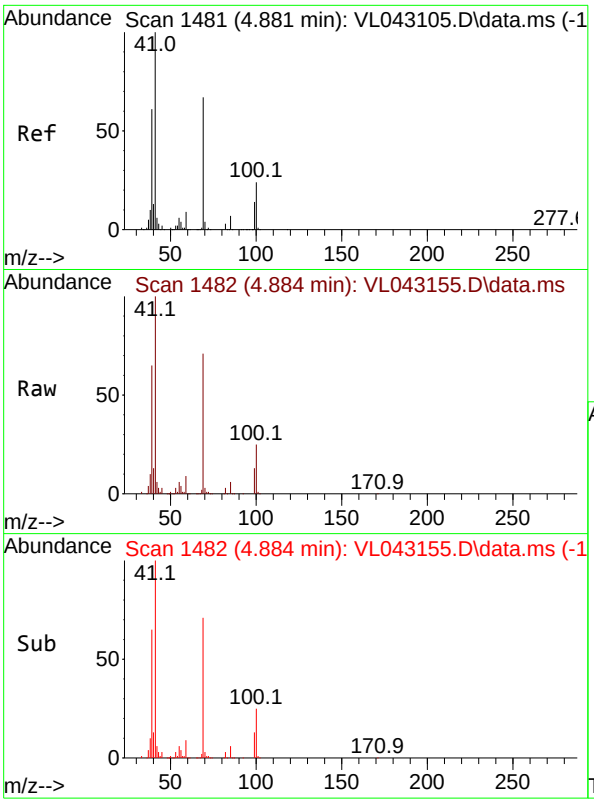


#42
Bromodichloromethane
Concen: 11.359 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 83 Resp: 291618

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8
127	8.1	6.3	9.5



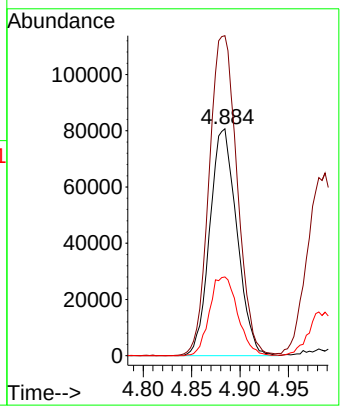


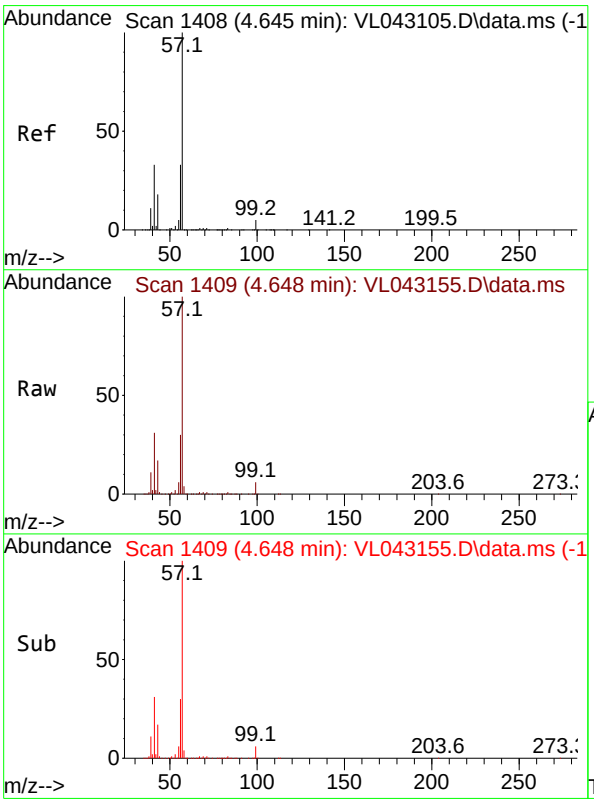
#43
Methyl Methacrylate
Concen: 9.624 ppbv
RT: 4.884 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 157399

Ion	Ratio	Lower	Upper
69	100		
41	145.6	120.5	180.7
100	36.0	29.0	43.4

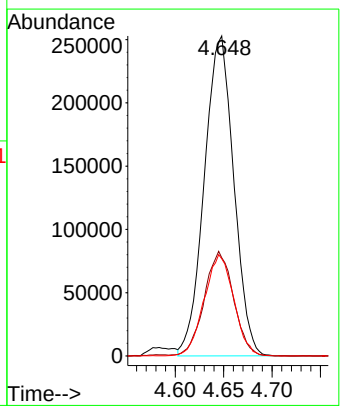


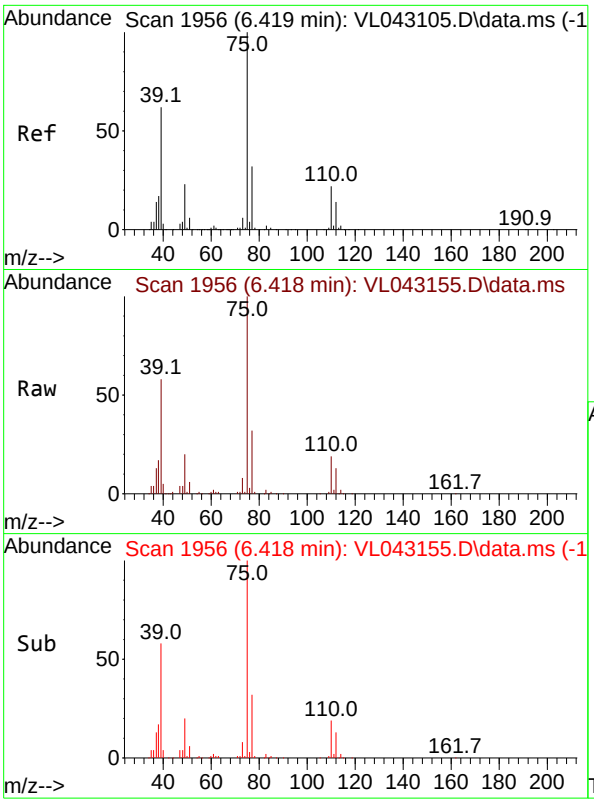


#44
2,2,4-Trimethylpentane
Concen: 9.853 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 57 Resp: 535251

Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.3	39.5
56	31.7	25.9	38.9



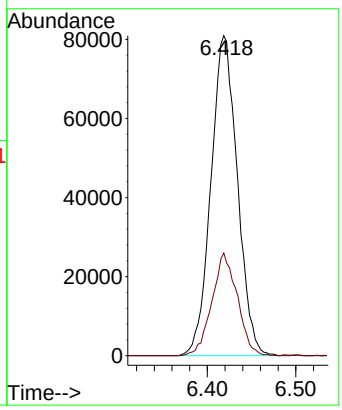


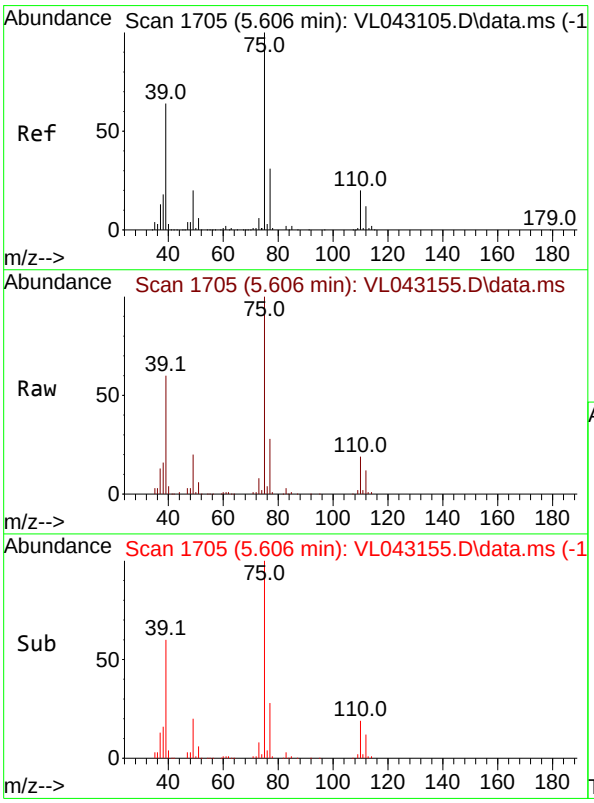
#45
t-1,3-Dichloropropene
Concen: 10.243 ppbv
RT: 6.418 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 168113

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

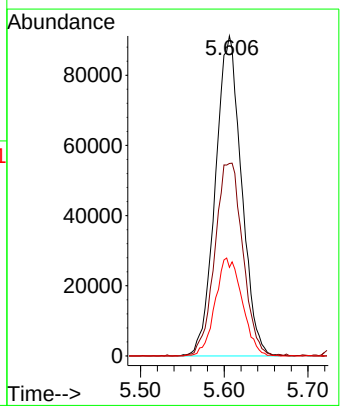


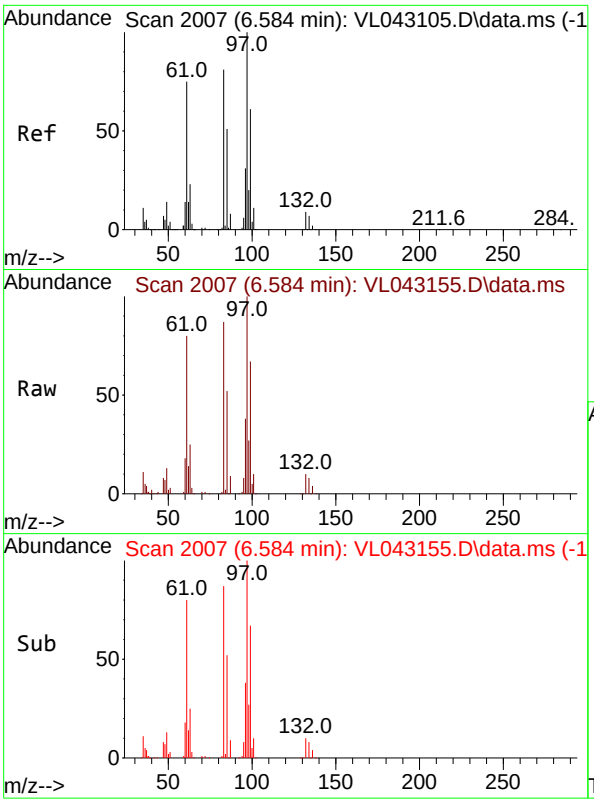


#46
cis-1,3-Dichloropropene
Concen: 10.086 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 75 Resp: 197738

Ion	Ratio	Lower	Upper
75	100		
39	60.1	51.0	76.6
77	27.7	25.0	37.4



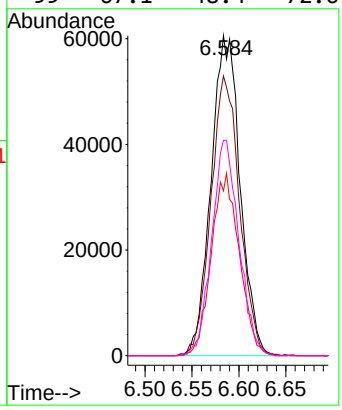


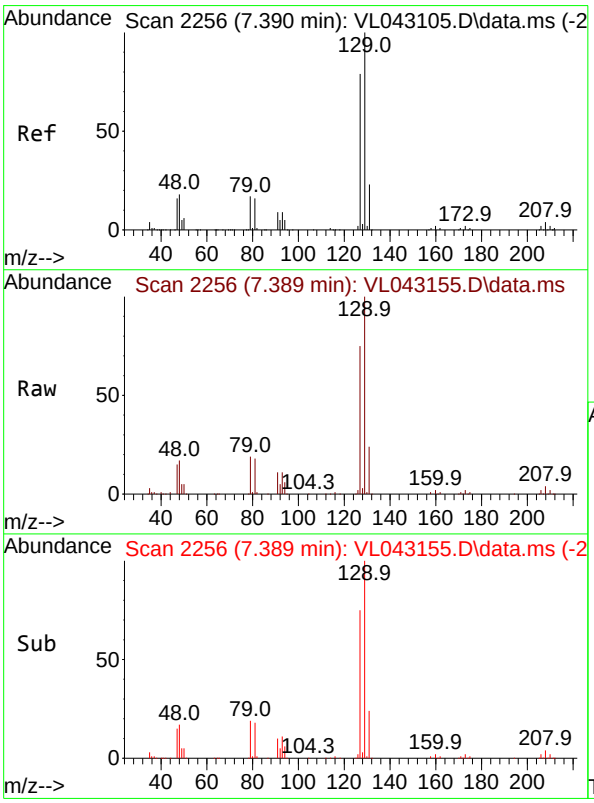
#47
1,1,2-Trichloroethane
Concen: 10.274 ppbv
RT: 6.584 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 130602

Ion	Ratio	Lower	Upper
97	100		
83	87.2	64.6	96.8
85	51.5	40.6	60.8
99	67.1	48.4	72.6

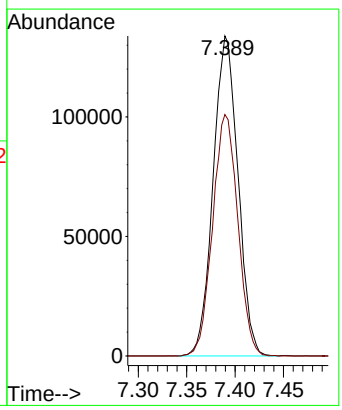


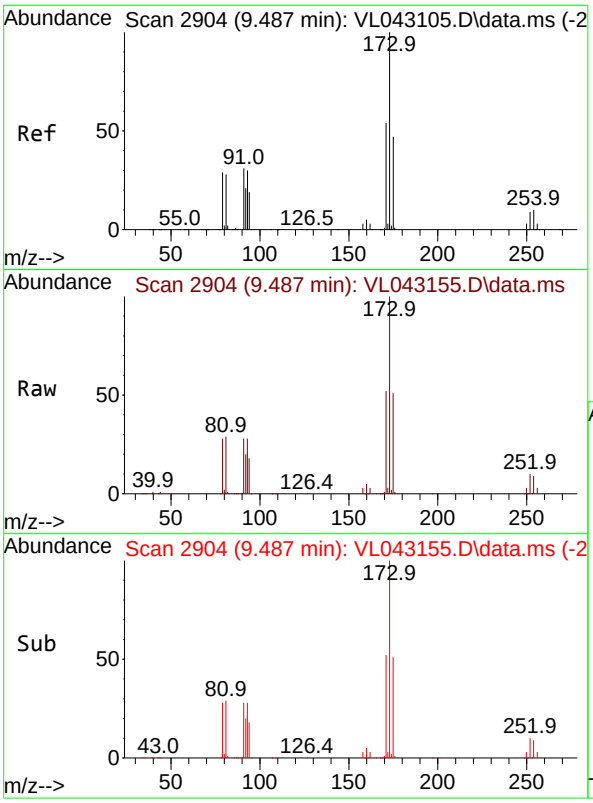


#48
Dibromochloromethane
Concen: 11.241 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:129 Resp: 238917

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.3	117.9



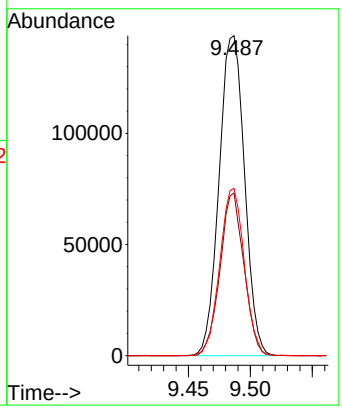


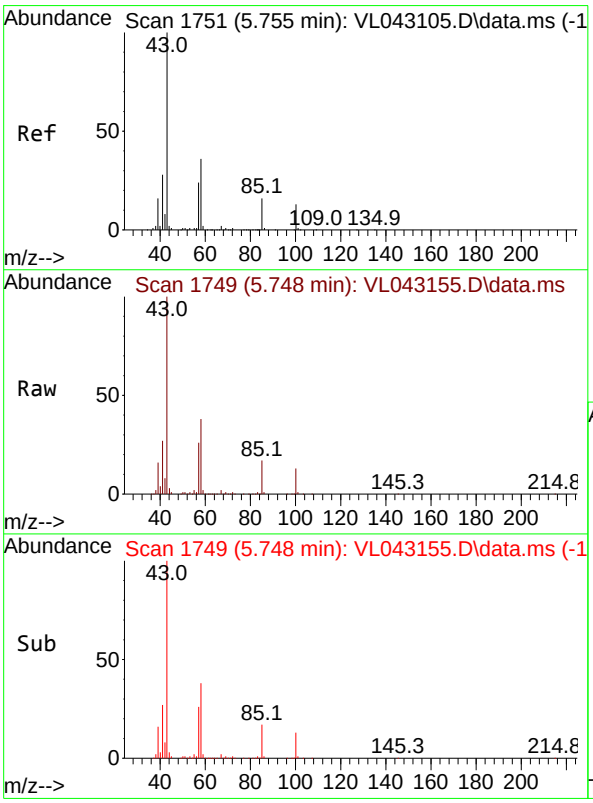
#49
Bromoform
Concen: 11.933 ppbv
RT: 9.487 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 206162

Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.8	58.2
171	50.3	41.7	62.5

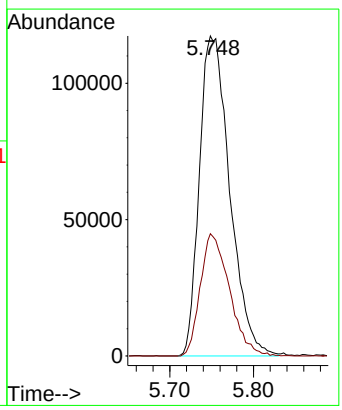


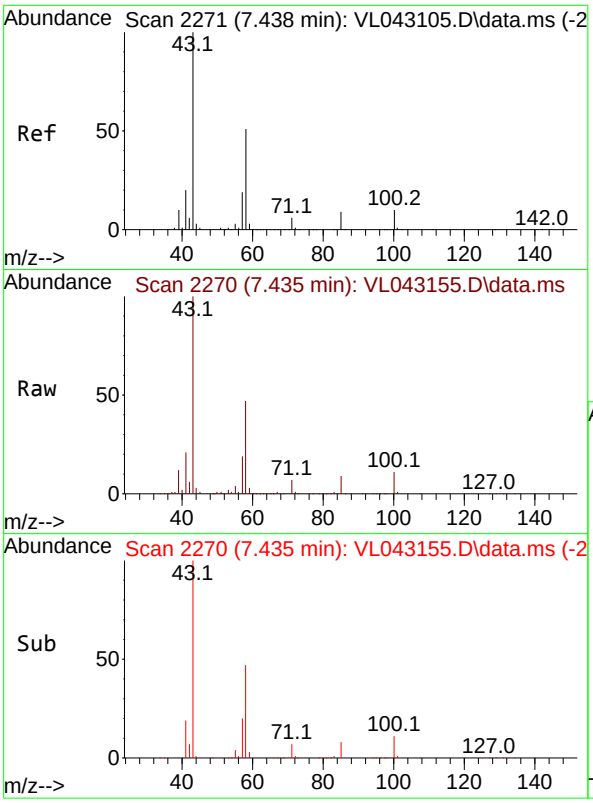


#50
4-Methyl-2-Pentanone
Concen: 9.331 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. -0.007 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 43 Resp: 295948

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.1	43.7



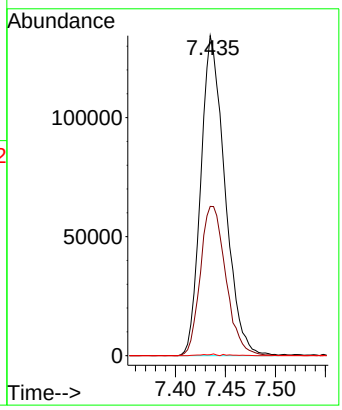


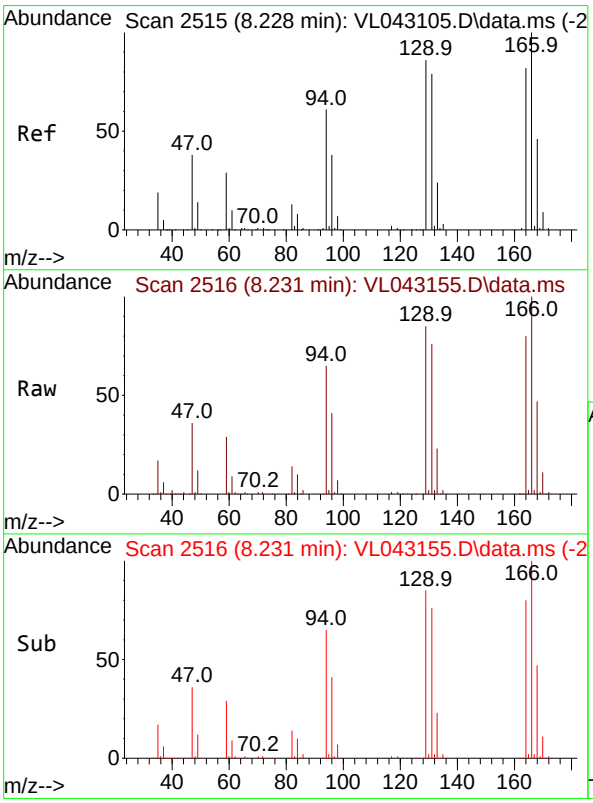
#51
2-Hexanone
Concen: 9.485 ppbv
RT: 7.435 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 225625

Ion	Ratio	Lower	Upper
43	100		
58	49.4	40.4	60.6
98	0.5	0.1	0.1#

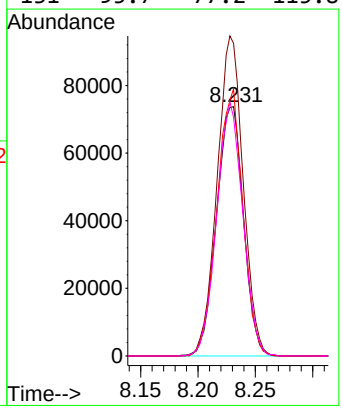


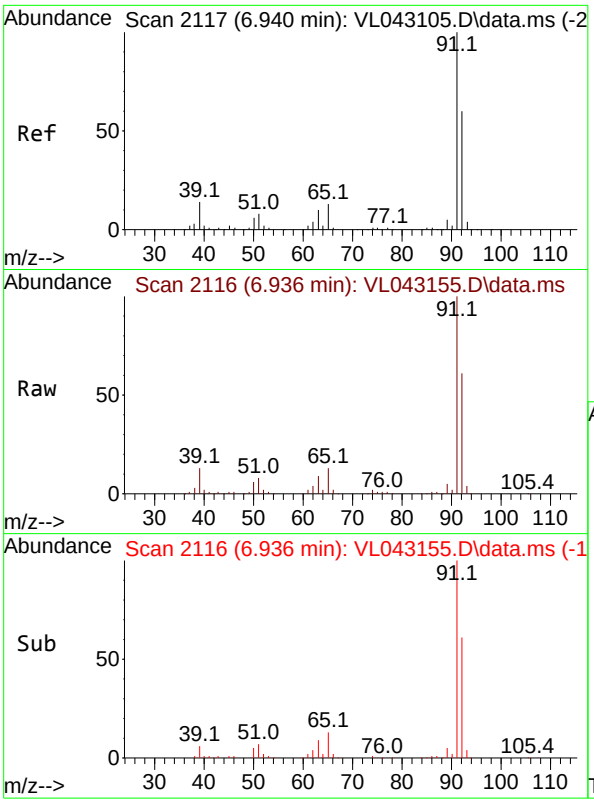


#52
Tetrachloroethene
Concen: 10.396 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:164 Resp: 120713

Ion	Ratio	Lower	Upper
164	100		
166	125.4	97.6	146.4
129	107.1	84.5	126.7
131	95.7	77.2	115.8



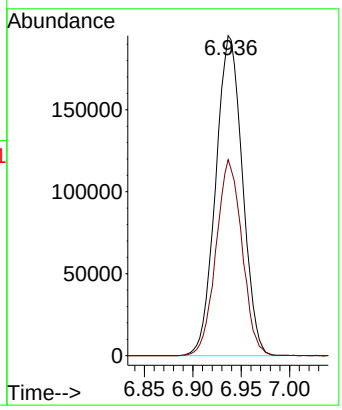


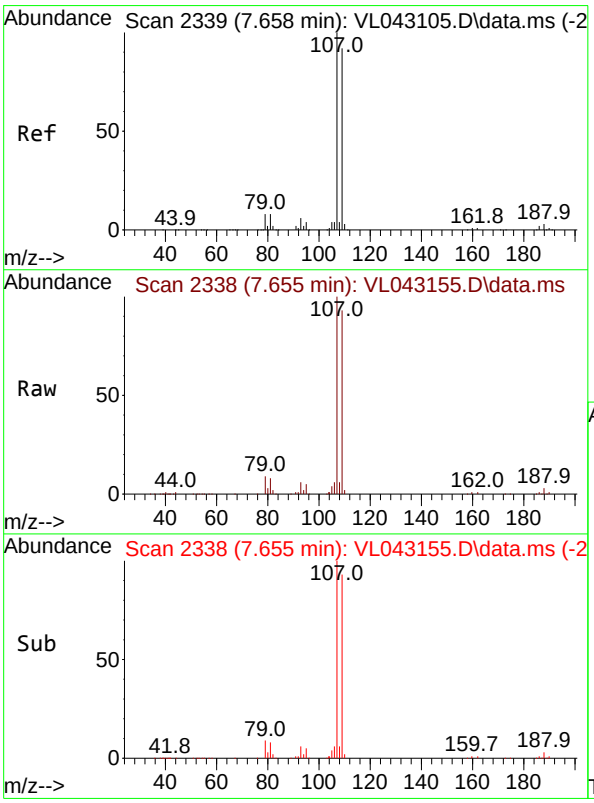
#53
Toluene
Concen: 9.805 ppbv
RT: 6.936 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 374714

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.8	73.2

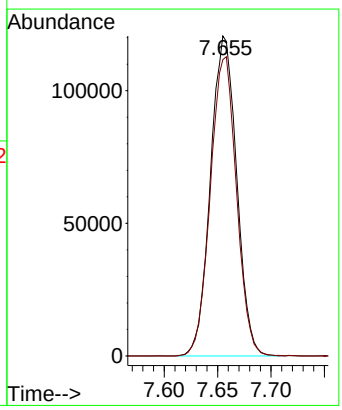


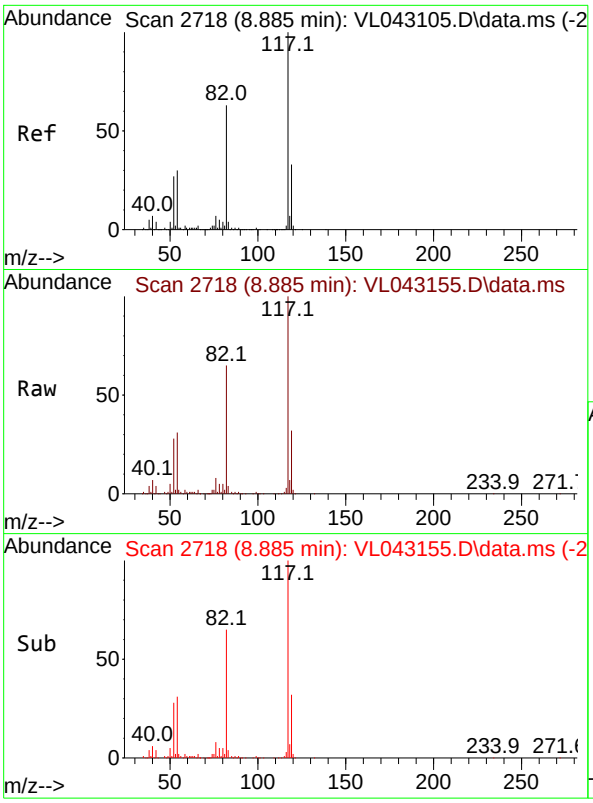


#54
1,2-Dibromoethane
Concen: 10.330 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:107 Resp: 205679

Ion	Ratio	Lower	Upper
107	100		
109	92.4	73.4	110.2



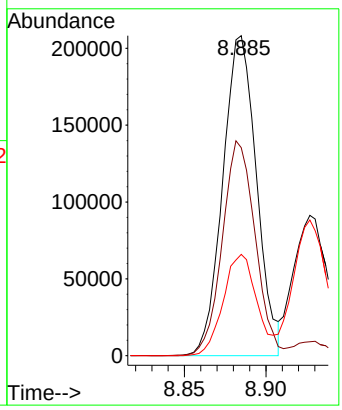


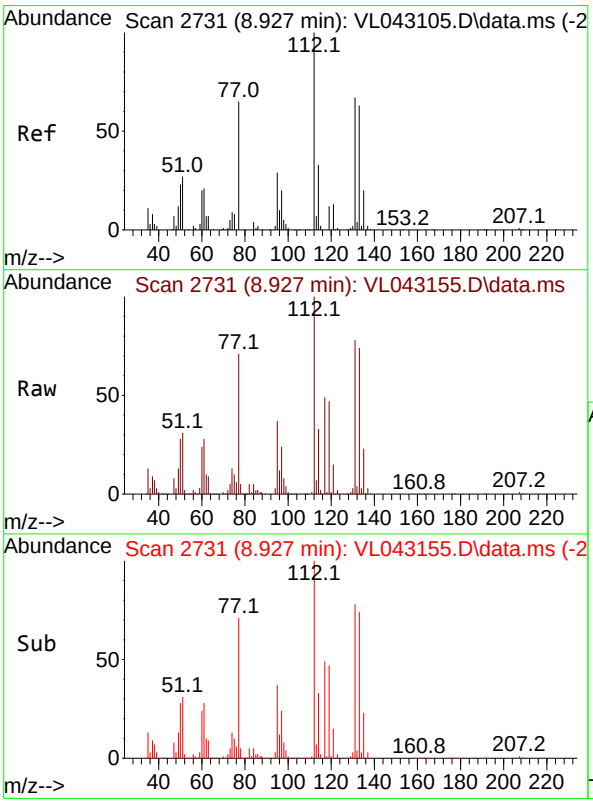
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 299829

Ion	Ratio	Lower	Upper
117	100		
82	66.1	53.8	80.8
119	32.3	25.4	38.0

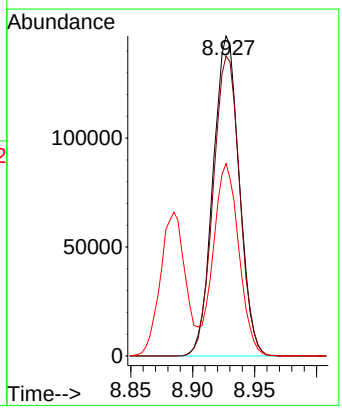


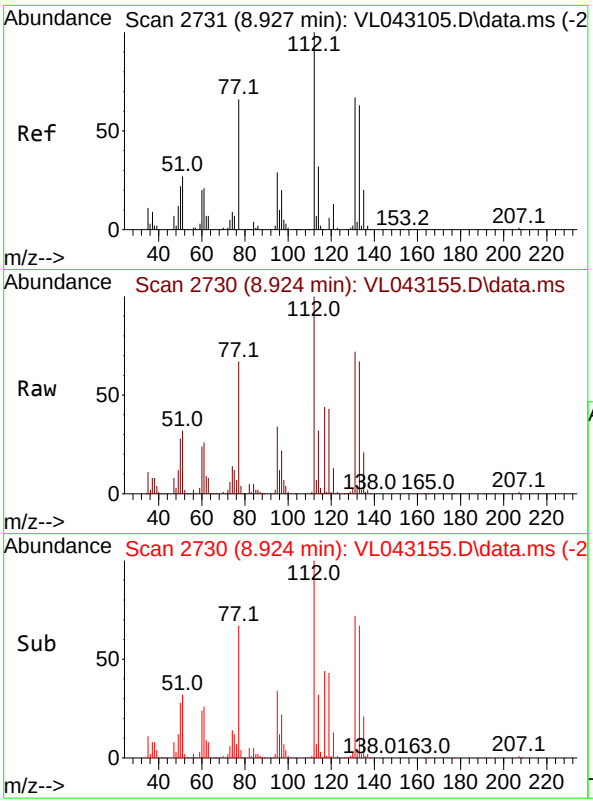


#56
1,1,1,2-Tetrachloroethane
Concen: 11.429 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:131 Resp: 216010

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.7	113.5
119	58.8	50.6	76.0



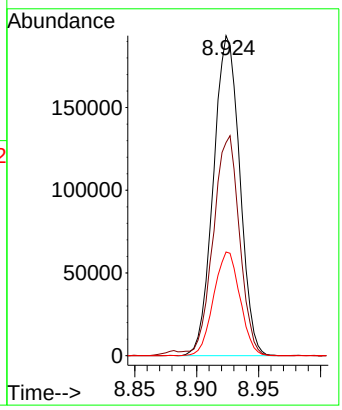


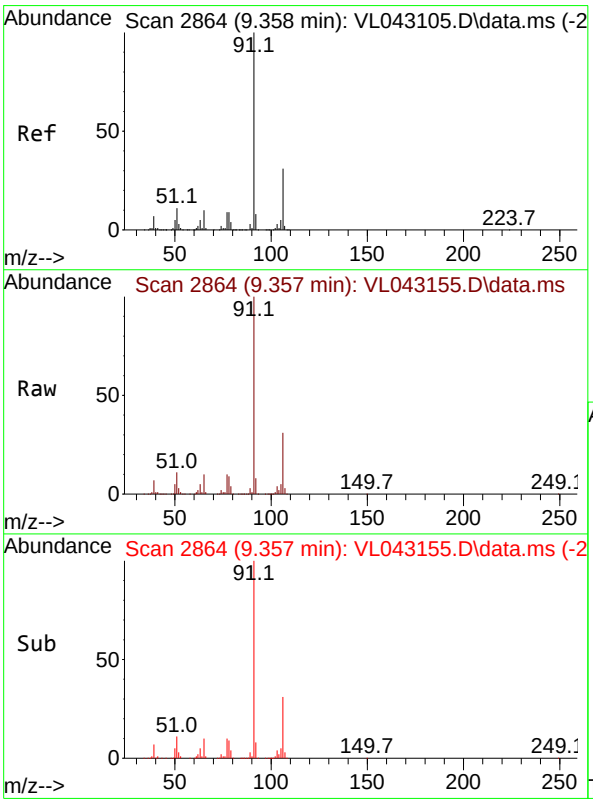
#57
Chlorobenzene
Concen: 10.228 ppbv
RT: 8.924 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 286894

Ion	Ratio	Lower	Upper
112	100		
77	66.6	53.3	79.9
114	32.4	29.3	35.8

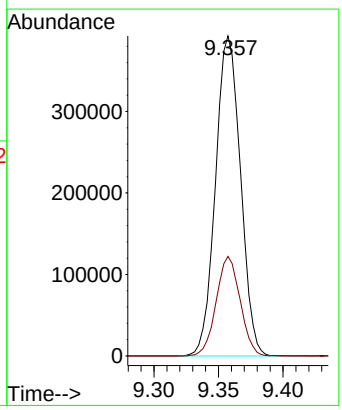


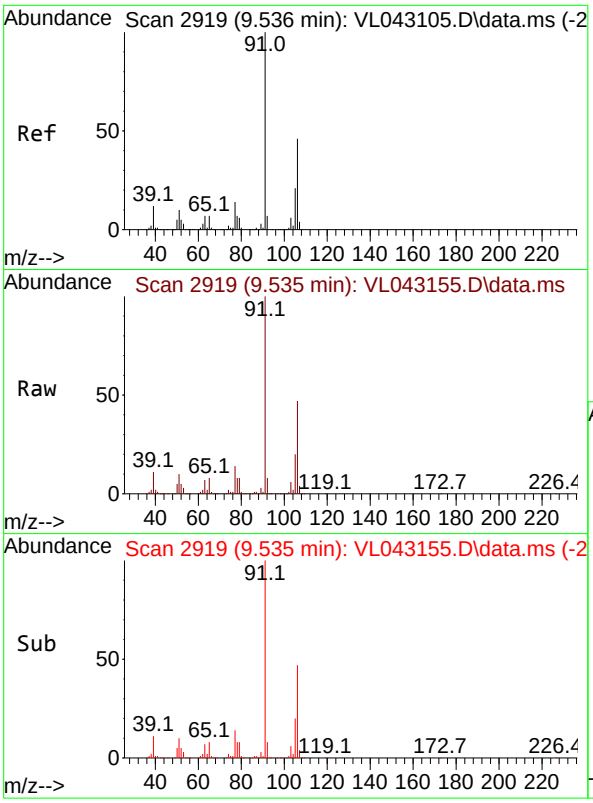


#58
Ethyl Benzene
Concen: 10.261 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 527991

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.8	37.2



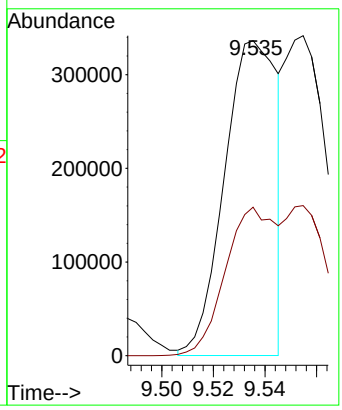


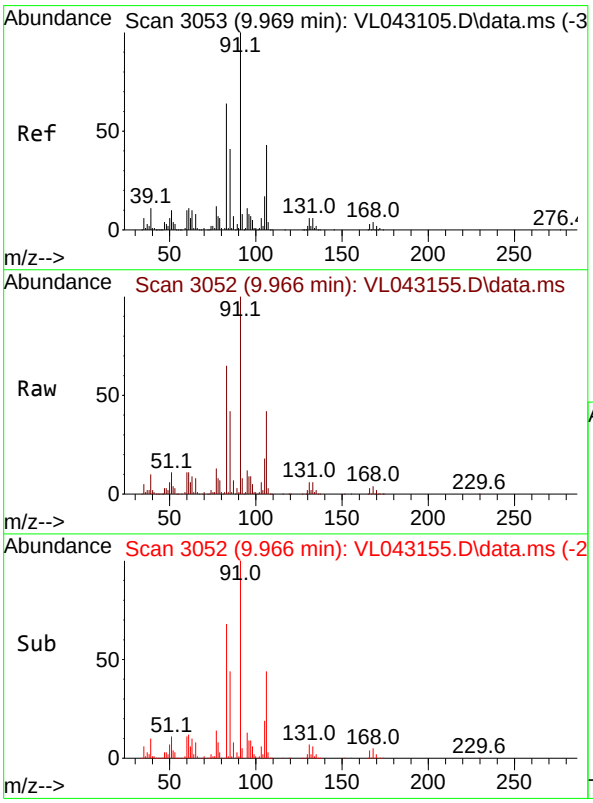
#59
m/p-Xylene
Concen: 11.549 ppbv
RT: 9.535 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 474002

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

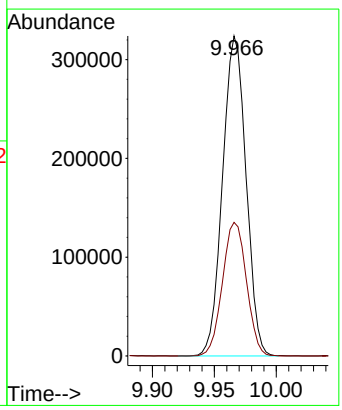


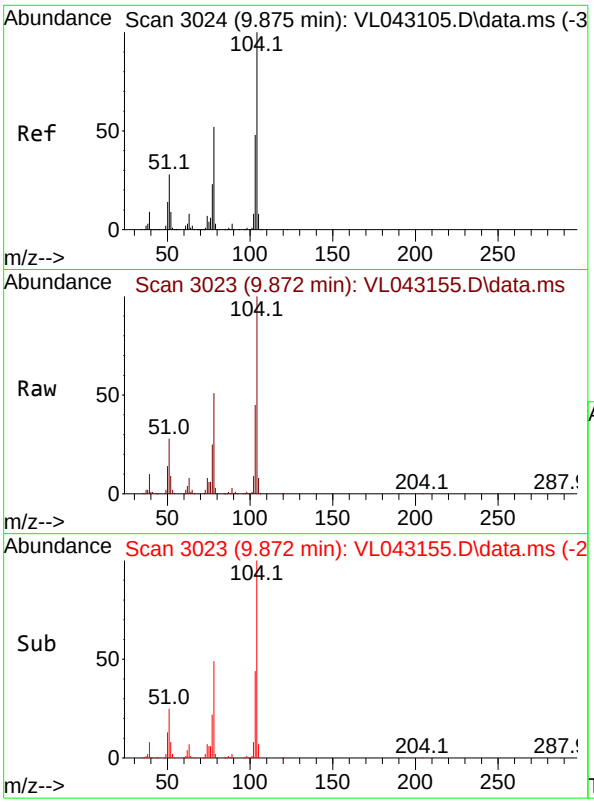


#60
o-Xylene
Concen: 10.565 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 428248

Ion	Ratio	Lower	Upper
91	100		
106	42.7	21.9	65.8



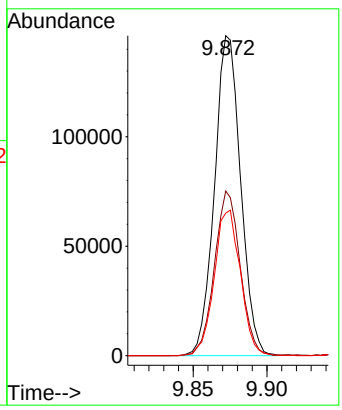


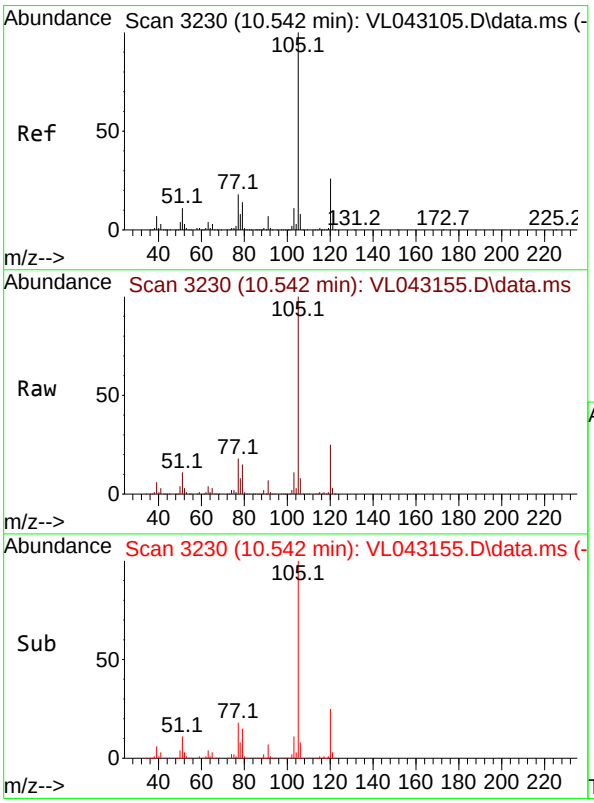
#61
Styrene
Concen: 9.839 ppbv
RT: 9.872 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 180052

Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.2	60.2
103	45.9	36.9	55.3

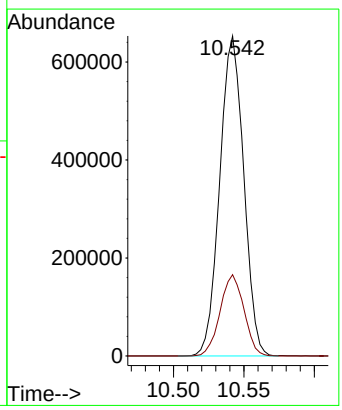


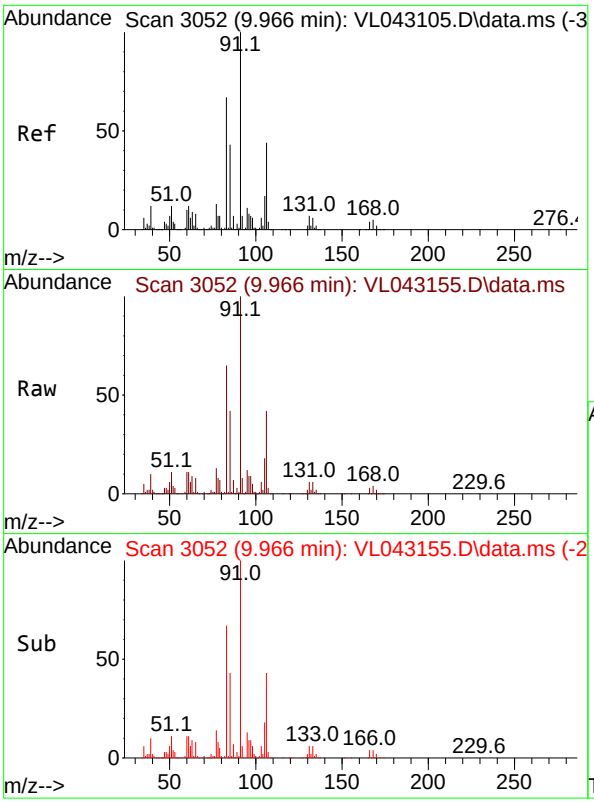


#62
Isopropylbenzene
Concen: 10.564 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:105 Resp: 773742

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.2	30.4



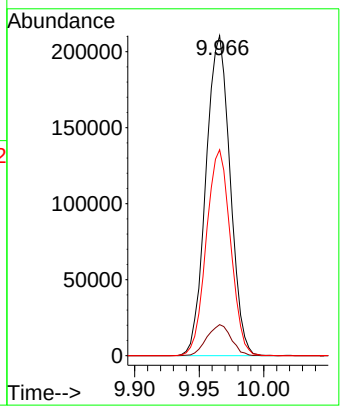


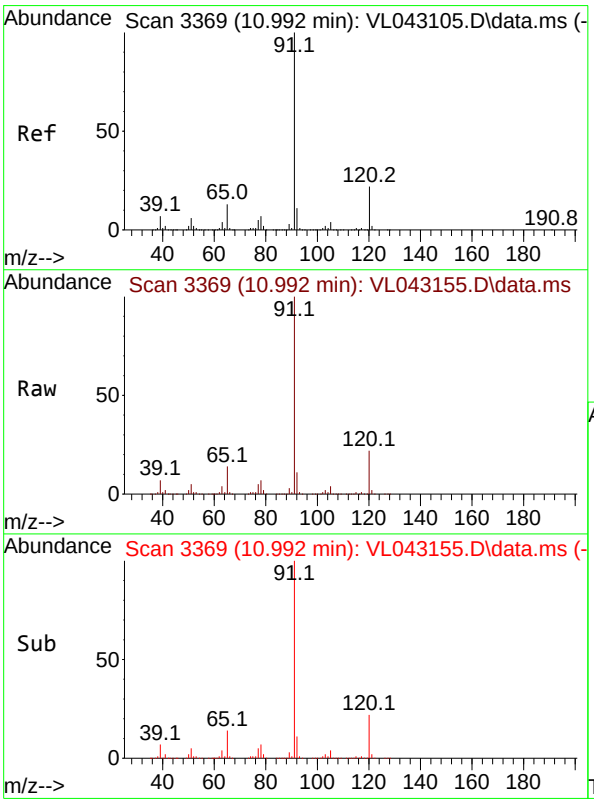
#63
1,1,2,2-Tetrachloroethane
Concen: 10.089 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 273835

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	64.6	32.0	96.0

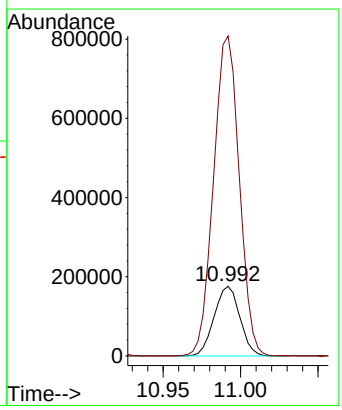


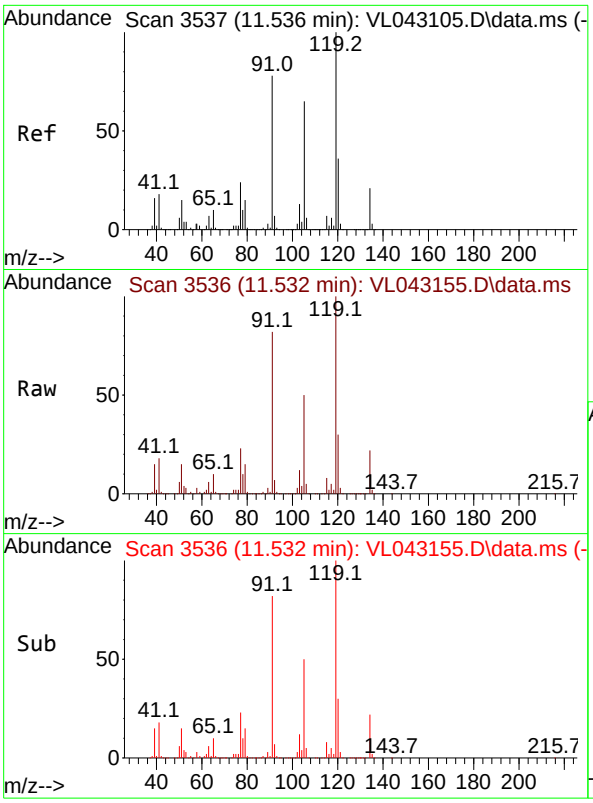


#64
n-propylbenzene
Concen: 10.438 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:120 Resp: 202414

Ion	Ratio	Lower	Upper
120	100		
91	462.2	361.6	542.4



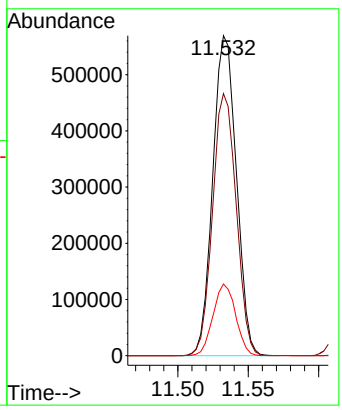


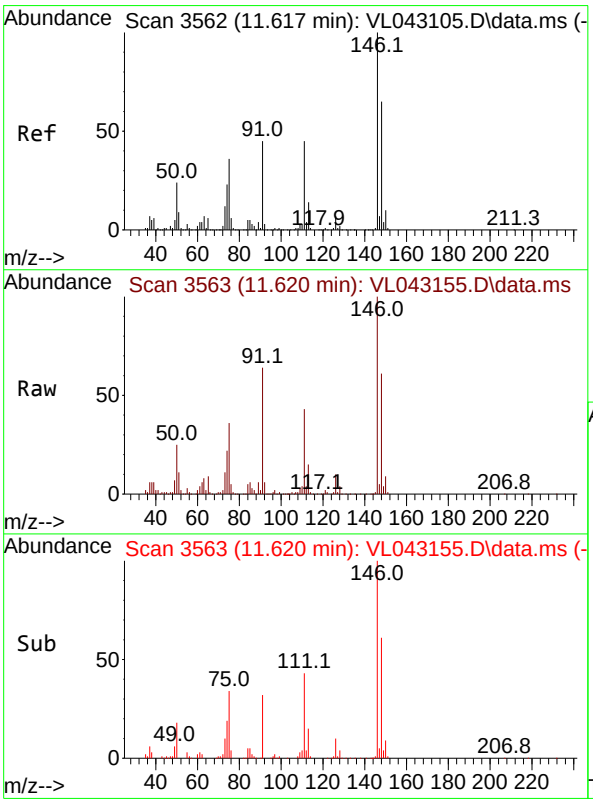
#65
tert-Butylbenzene
Concen: 10.266 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 664024

Ion	Ratio	Lower	Upper
119	100		
91	82.1	63.4	95.0
134	21.5	17.3	25.9

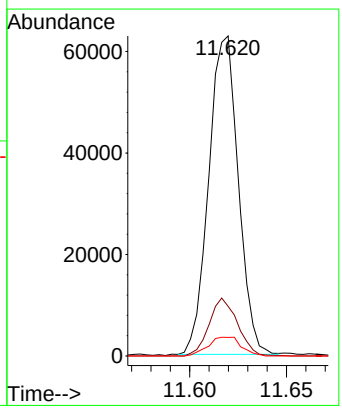


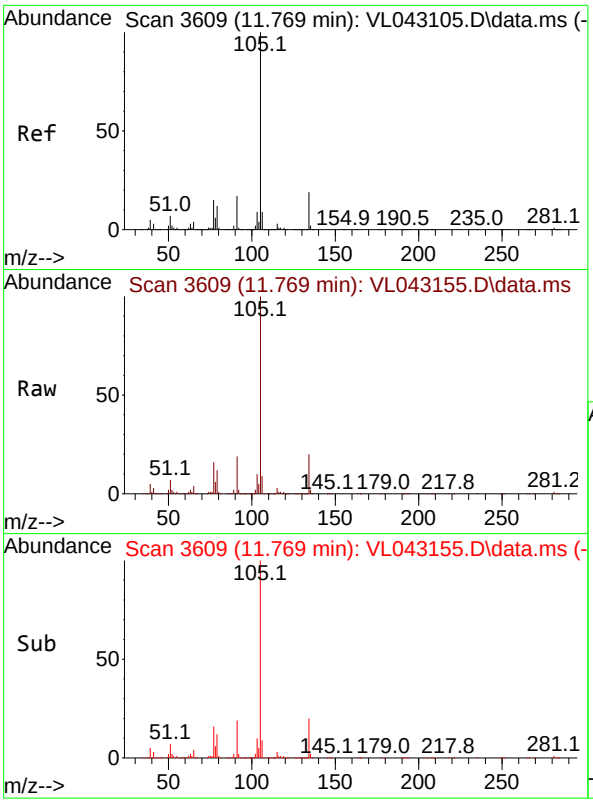


#66
Benzyl Chloride
Concen: 9.258 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 66651

Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.6	22.0
128	6.6	4.6	6.8



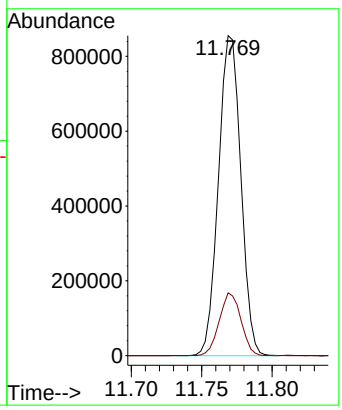


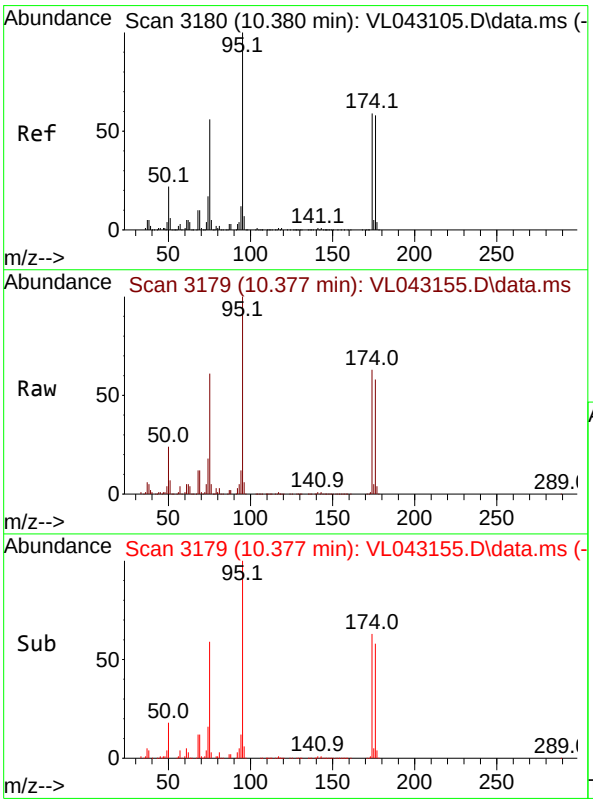
#67
sec-Butylbenzene
Concen: 10.327 ppbv
RT: 11.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 948023

Ion	Ratio	Lower	Upper
105	100		
134	19.1	15.5	23.3

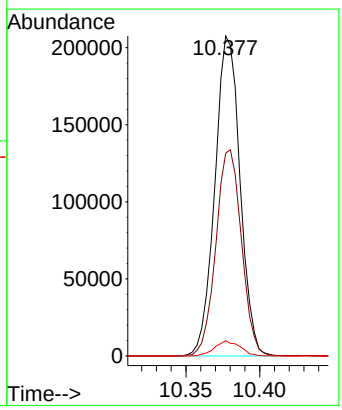


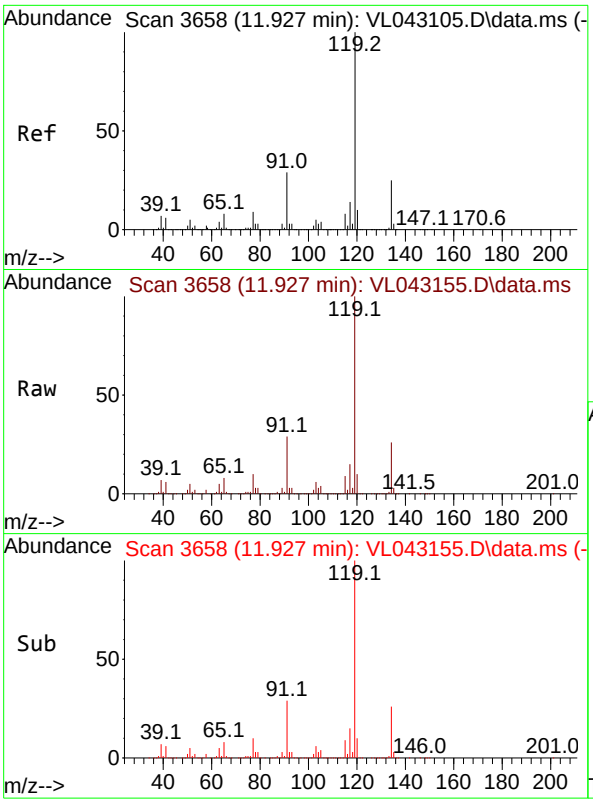


#68
1-Bromo-4-Fluorobenzene
Concen: 10.570 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 95 Resp: 246332

Ion	Ratio	Lower	Upper
95	100		
174	65.5	48.3	72.5
175	4.8	3.8	5.8



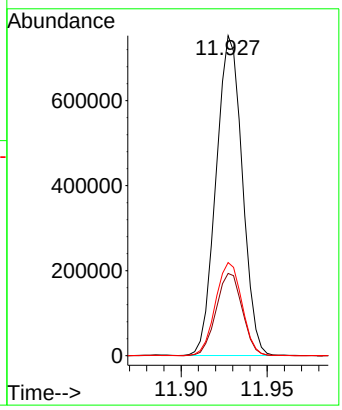


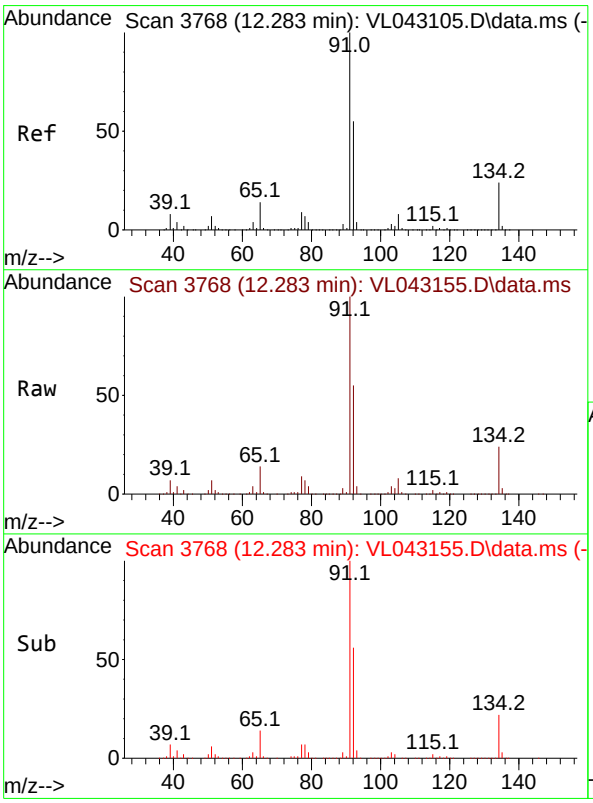
#69
p-Isopropyltoluene
Concen: 10.237 ppbv
RT: 11.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 798570

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.3	30.5
91	29.5	22.6	33.8

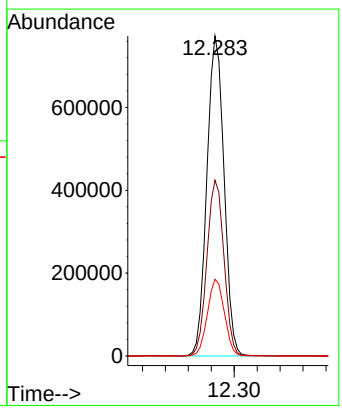


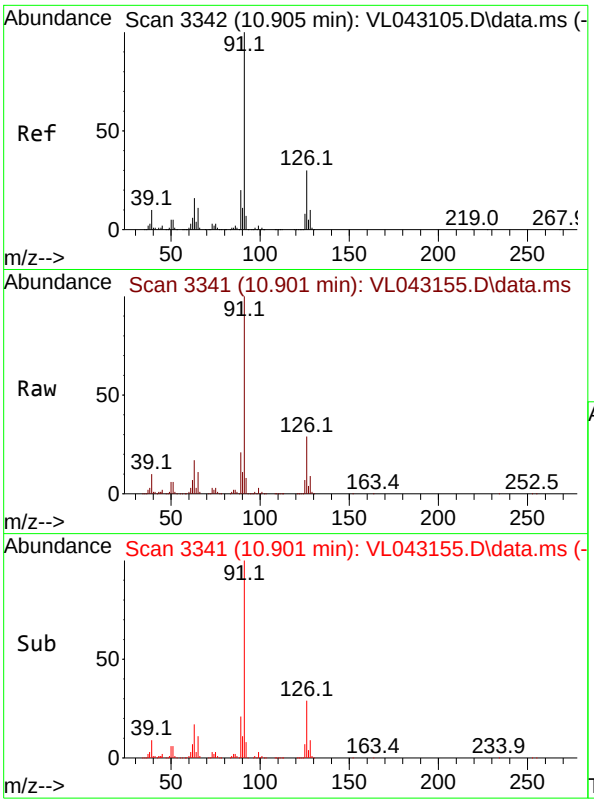


#70
n-Butylbenzene
Concen: 10.410 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion: 91 Resp: 800217

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.5	66.7
134	23.8	19.3	28.9



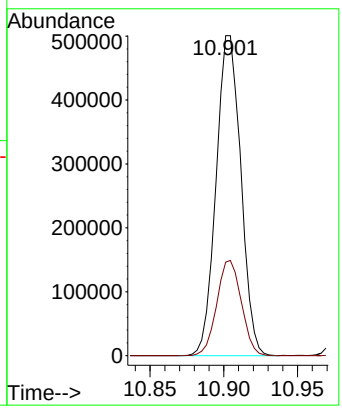


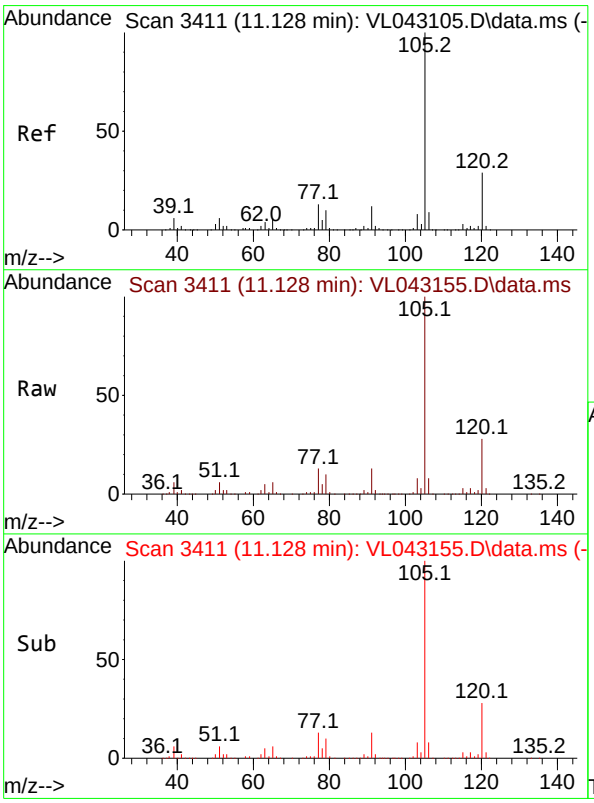
#71
2-Chlorotoluene
Concen: 10.461 ppbv
RT: 10.901 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 584421

Ion	Ratio	Lower	Upper
91	100		
126	29.5	12.0	48.0

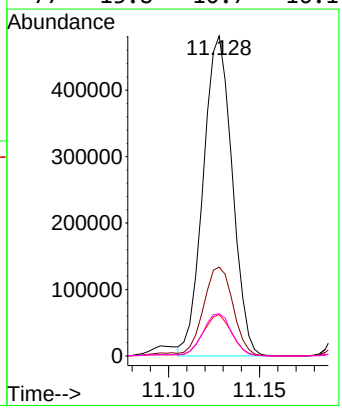


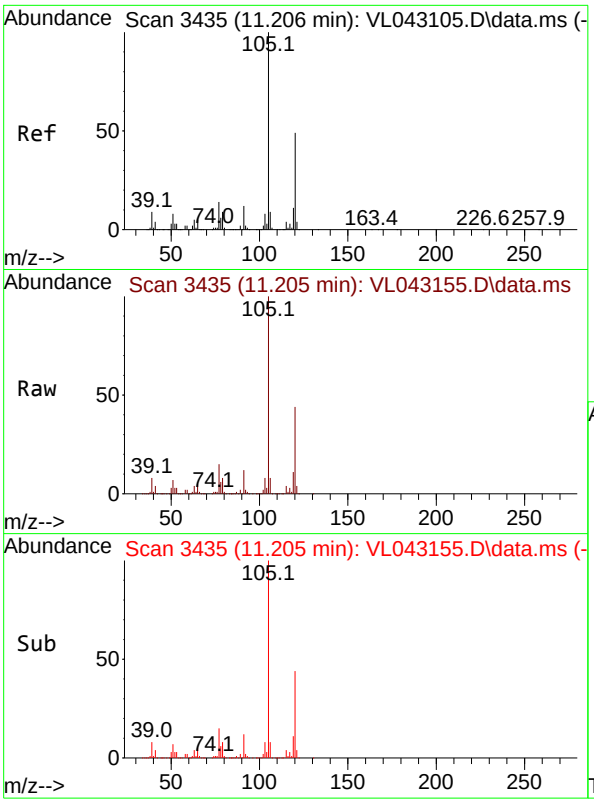


#72
4-Ethyltoluene
Concen: 10.693 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:105 Resp: 532971

Ion	Ratio	Lower	Upper
105	100		
120	29.3	24.2	36.4
91	13.3	10.0	15.0
77	13.8	10.7	16.1



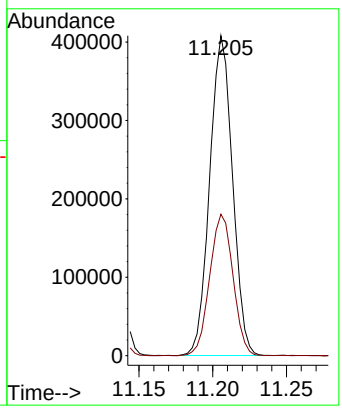


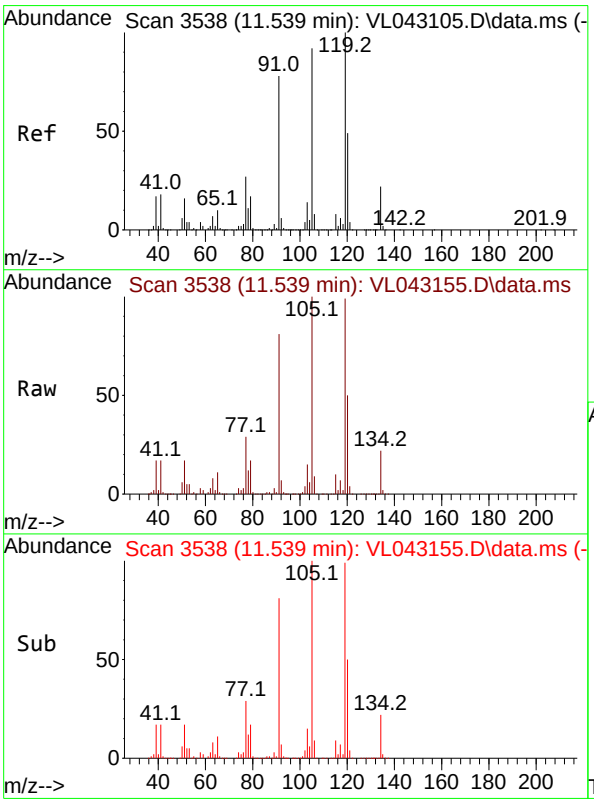
#73
1,3,5-Trimethylbenzene
Concen: 10.671 ppbv
RT: 11.205 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 438651

Ion	Ratio	Lower	Upper
105	100		
120	44.2	39.0	58.6

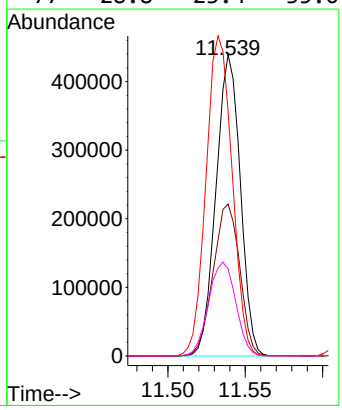


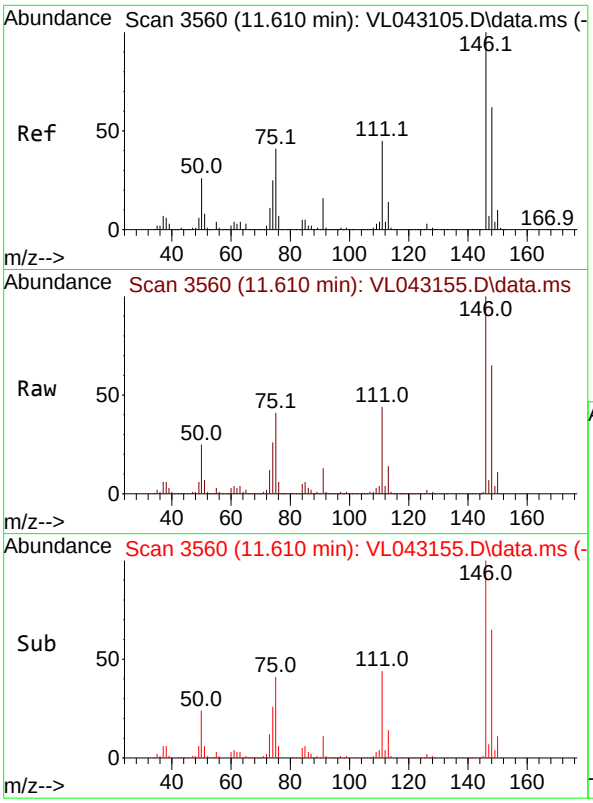


#74
1,2,4-Trimethylbenzene
Concen: 10.419 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:105 Resp: 479281

Ion	Ratio	Lower	Upper
105	100		
120	50.4	42.8	64.2
91	81.1	68.3	102.5
77	28.8	23.4	35.0



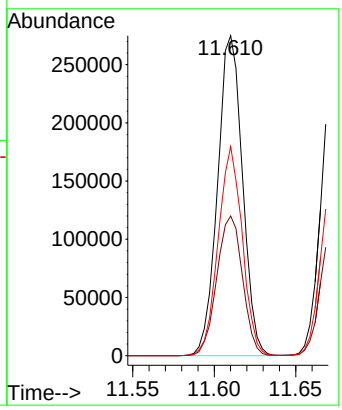


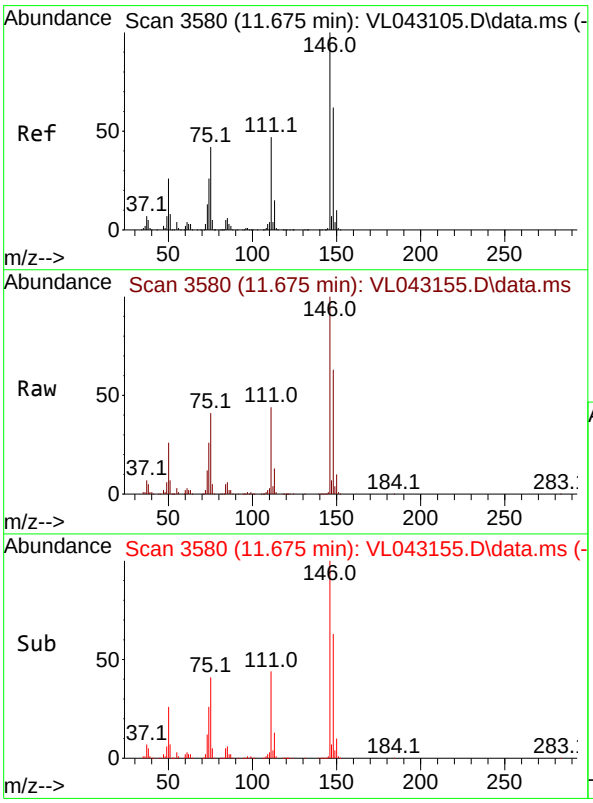
#75
1,3-Dichlorobenzene
Concen: 10.943 ppbv
RT: 11.610 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 291949

Ion	Ratio	Lower	Upper
146	100		
111	45.0	23.3	69.9
148	63.2	31.6	95.0

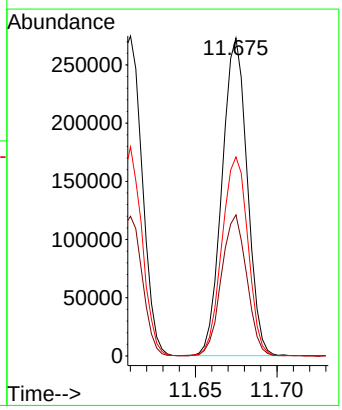


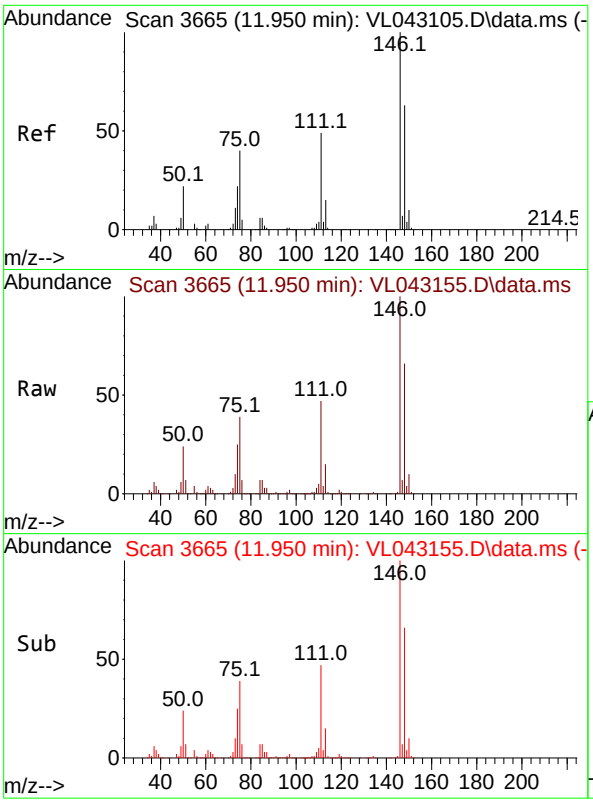


#76
1,4-Dichlorobenzene
Concen: 10.872 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:146 Resp: 292491

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.0
148	64.9	31.6	94.7



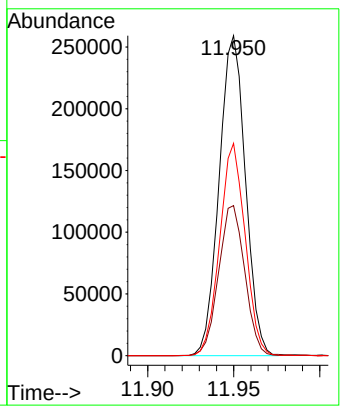


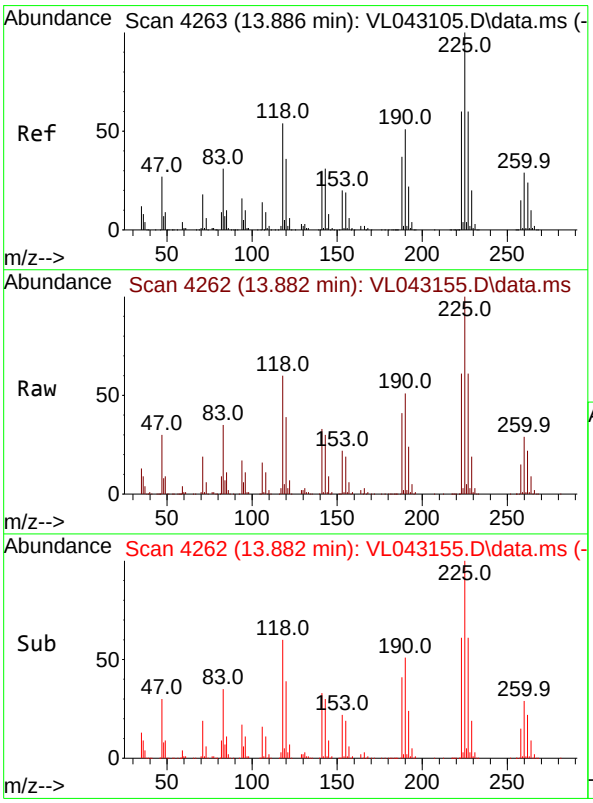
#77
1,2-Dichlorobenzene
Concen: 10.670 ppbv
RT: 11.950 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 275403

Ion	Ratio	Lower	Upper
146	100		
111	46.9	24.0	72.0
148	64.3	31.1	93.3

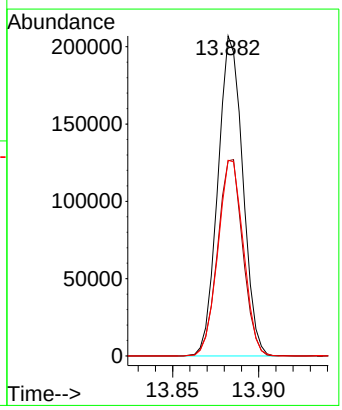


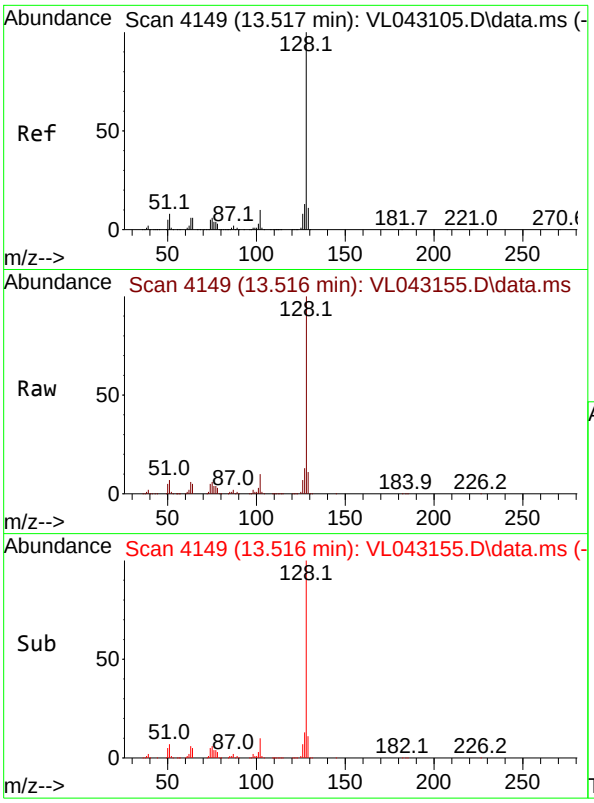


#78
Hexachloro-1,3-Butadiene
Concen: 10.417 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:225 Resp: 208179

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.2	75.4
227	62.5	49.6	74.4



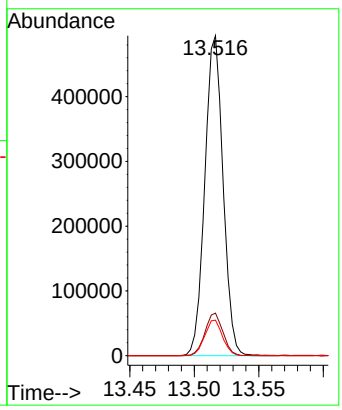


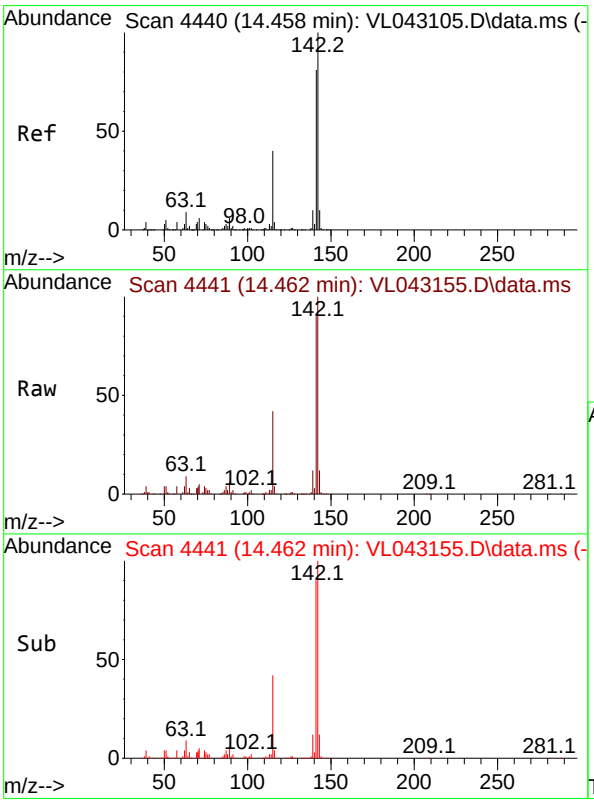
#79
Naphthalene
Concen: 10.113 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 486229

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.1	9.1	13.7

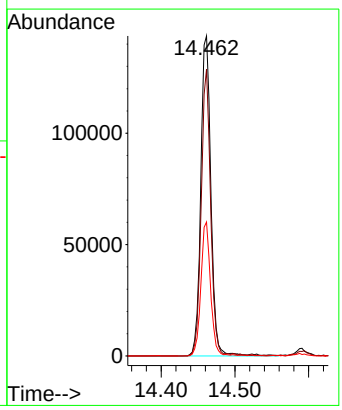


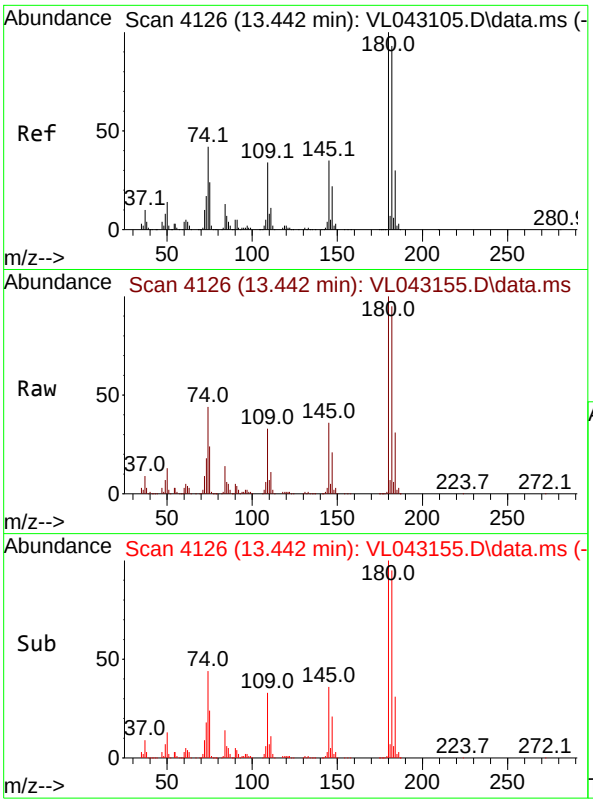


#80
Naphthalene,2-methyl-
Concen: 10.942 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Tgt Ion:142 Resp: 137059

Ion	Ratio	Lower	Upper
142	100		
141	83.9	64.6	97.0
115	40.3	30.2	45.4



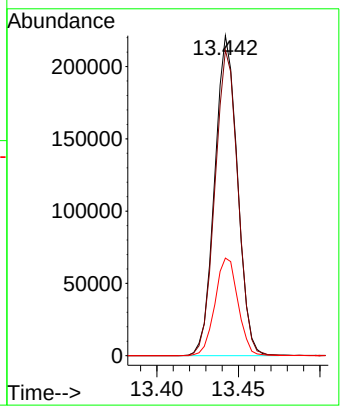


#81
1,2,4-Trichlorobenzene
Concen: 10.750 ppbv
RT: 13.442 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043155.D
Acq: 06 Nov 2025 07:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 214527

Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.5	113.3
184	30.9	23.9	35.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043157.D
Acq On : 06 Nov 2025 08:45
Operator : SY/MD
Sample : VL1106ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Quant Time: Nov 07 00:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	111380	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	340583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	299526	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	237797	10.214	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	170728	10.782	ppbv	99
3) Chlorodifluoromethane	1.476	51	171506	10.011	ppbv	97
4) Chloromethane	1.534	50	57299	9.134	ppbv	100
5) Vinyl Chloride	1.580	62	55895	9.085	ppbv	100
6) Bromomethane	1.667	94	34540	10.238	ppbv	96
7) Chloroethane	1.706	64	23501	9.342	ppbv	89
8) Dichlorotetrafluoroethane	1.554	85	136433	10.661	ppbv	92
9) Propene	1.483	41	64760	8.523	ppbv	99
10) Heptane	4.978	43	189938	8.683	ppbv	98
11) Trichlorofluoromethane	1.877	101	181952	11.748	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	139934	11.222	ppbv	96
13) Ethanol	1.719	45	21163	7.530	ppbv	98
14) Bromoethene	1.780	108	49693	10.727	ppbv	99
15) Acetone	1.835	43	134115	8.934	ppbv	99
16) 1,3-Butadiene	1.609	39	62625	8.753	ppbv	98
17) tert-Butyl alcohol	2.039	59	203295	9.865	ppbv	100
18) 1,1-Dichloroethene	2.036	96	59563	10.957	ppbv	84
19) Isopropyl Alcohol	1.884	45	80943	8.657	ppbv	92
20) Methylene Chloride	2.062	84	53912	9.085	ppbv	94
21) Allyl Chloride	2.094	41	101879	9.210	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	69305	10.665	ppbv	93
23) Vinyl Acetate	2.460	43	232125	10.556	ppbv	99
24) 1,1-Dichloroethane	2.408	63	131599	10.482	ppbv	98
25) Ethyl Acetate	2.832	43	354153	9.513	ppbv	100
26) Hexane	2.826	57	161029	9.387	ppbv	98
27) Carbon Disulfide	2.149	76	167737	10.672	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	76290	9.775	ppbv	94
29) Chloroform	2.848	83	272377	10.958	ppbv	100
30) Cyclohexane	3.855	84	139050	9.287	ppbv	94
31) cis-1,2-Dichloroethene	2.719	61	171275	10.456	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	276541	10.684	ppbv	100
34) 2-Butanone	2.554	43	237347	10.367	ppbv	100
35) Carbon Tetrachloride	3.761	117	289096	11.806	ppbv	94
36) Benzene	3.654	78	326982	10.193	ppbv	99
37) 1,2-Dichloroethane	3.217	62	208468	11.281	ppbv	98
38) Trichloroethene	4.544	130	129044	9.632	ppbv	96
39) 1,2-Dichloropropane	4.308	63	117166	9.991	ppbv	93
40) 1,4-Dioxane	4.574	88	49474	9.428	ppbv #	96
41) Tetrahydrofuran	3.049	42	118637	9.265	ppbv	97
42) Bromodichloromethane	4.486	83	291226	11.387	ppbv	99
43) Methyl Methacrylate	4.875	69	160012	9.821	ppbv	95
44) 2,2,4-Trimethylpentane	4.638	57	531922	9.828	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	165316	10.111	ppbv	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043157.D
Acq On : 06 Nov 2025 08:45
Operator : SY/MD
Sample : VL1106ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Quant Time: Nov 07 00:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

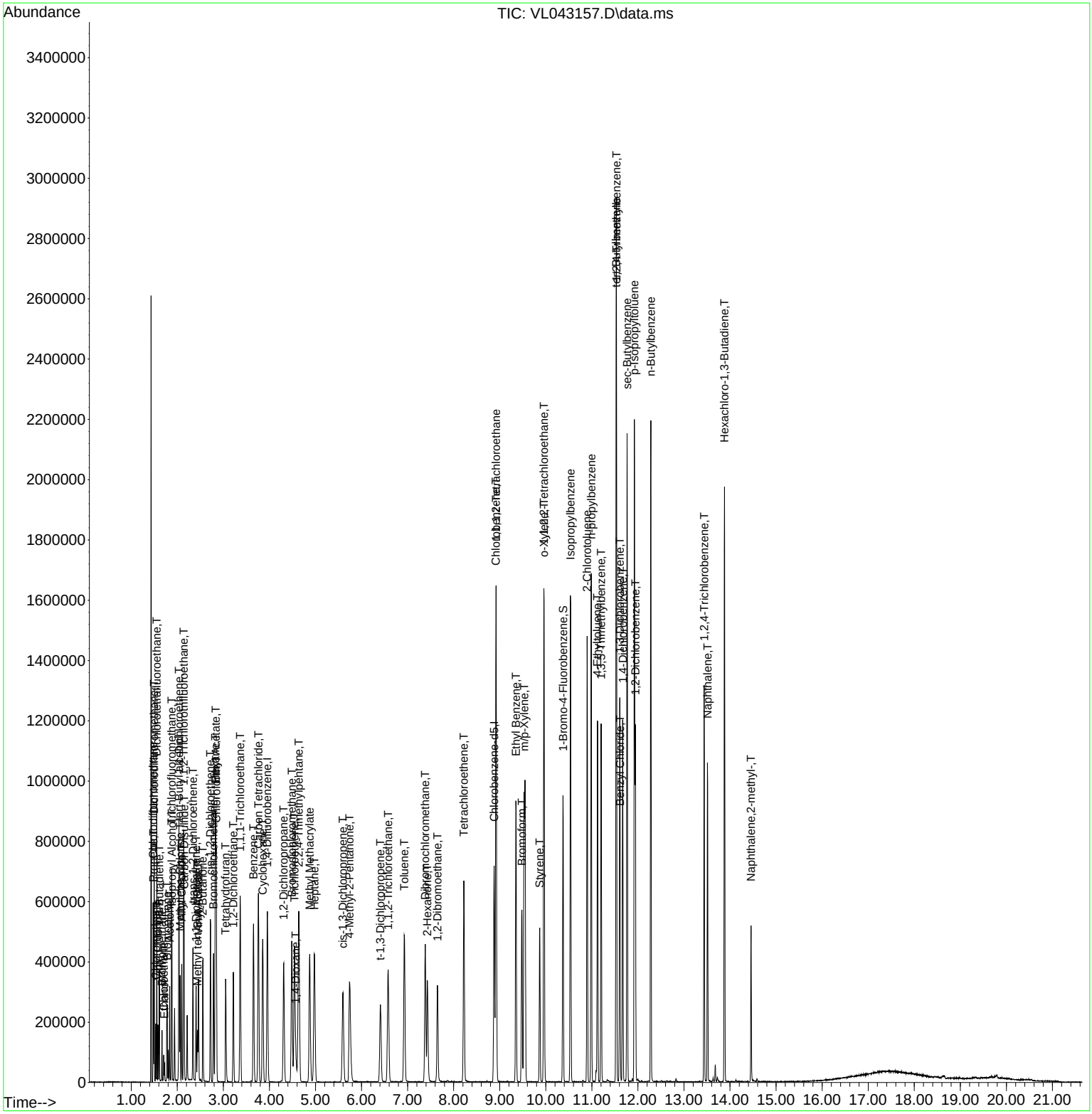
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	195336	10.001	ppbv		97
47) 1,1,2-Trichloroethane	6.580	97	130064	10.270	ppbv		92
48) Dibromochloromethane	7.383	129	234841	11.091	ppbv		98
49) Bromoform	9.480	173	199190	11.573	ppbv		99
50) 4-Methyl-2-Pentanone	5.739	43	295763	9.361	ppbv		99
51) 2-Hexanone	7.428	43	227473	9.599	ppbv	#	99
52) Tetrachloroethene	8.221	164	119279	10.312	ppbv		97
53) Toluene	6.927	91	368487	9.679	ppbv		99
54) 1,2-Dibromoethane	7.648	107	205210	10.345	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.920	131	213620	11.314	ppbv		98
57) Chlorobenzene	8.917	112	286347	10.219	ppbv		97
58) Ethyl Benzene	9.351	91	529847	10.307	ppbv		97
59) m/p-Xylene	9.532	91	441757	10.774	ppbv	#	29
60) o-Xylene	9.963	91	422838	10.442	ppbv		100
61) Styrene	9.865	104	179195	9.802	ppbv		99
62) Isopropylbenzene	10.539	105	762154	10.416	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	269723	9.947	ppbv		98
64) n-propylbenzene	10.989	120	201938	10.424	ppbv		98
65) tert-Butylbenzene	11.529	119	662570	10.254	ppbv		97
66) Benzyl Chloride	11.613	91	64257	8.935	ppbv		99
67) sec-Butylbenzene	11.765	105	957255	10.438	ppbv		99
69) p-Isopropyltoluene	11.924	119	795241	10.205	ppbv		98
70) n-Butylbenzene	12.280	91	798019	10.392	ppbv		99
71) 2-Chlorotoluene	10.898	91	579642	10.386	ppbv		99
72) 4-Ethyltoluene	11.121	105	530791	10.660	ppbv		99
73) 1,3,5-Trimethylbenzene	11.202	105	440663	10.731	ppbv		96
74) 1,2,4-Trimethylbenzene	11.536	105	477453	10.390	ppbv		91
75) 1,3-Dichlorobenzene	11.607	146	290341	10.894	ppbv		99
76) 1,4-Dichlorobenzene	11.671	146	291409	10.843	ppbv		99
77) 1,2-Dichlorobenzene	11.947	146	276598	10.728	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	207474	10.393	ppbv		99
79) Naphthalene	13.510	128	486413	10.127	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	142500	11.387	ppbv		97
81) 1,2,4-Trichlorobenzene	13.439	180	216292	10.849	ppbv		99

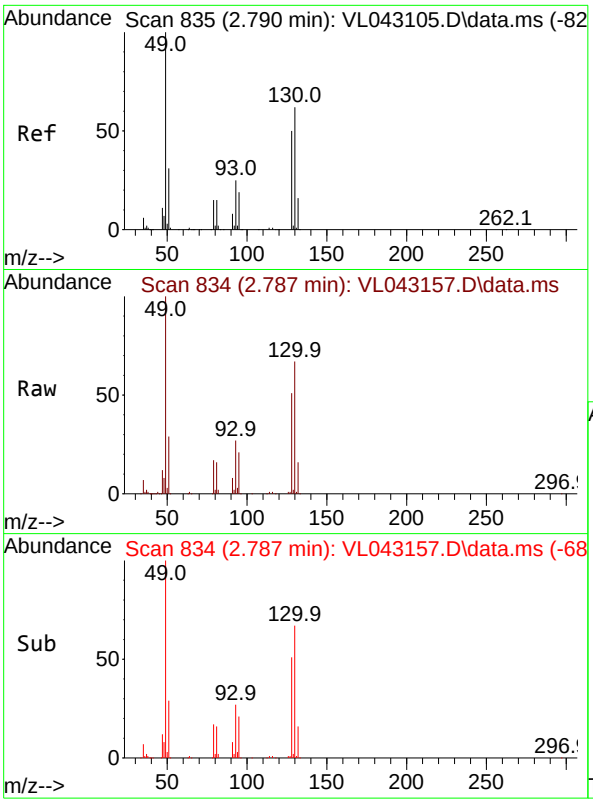
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043157.D
Acq On : 06 Nov 2025 08:45
Operator : SY/MD
Sample : VL1106ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Quant Time: Nov 07 00:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



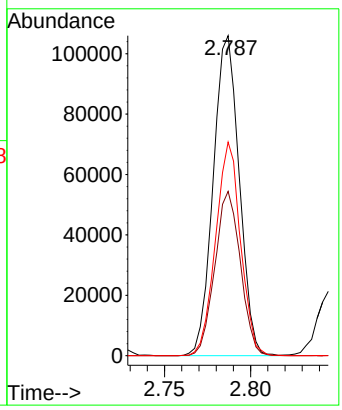


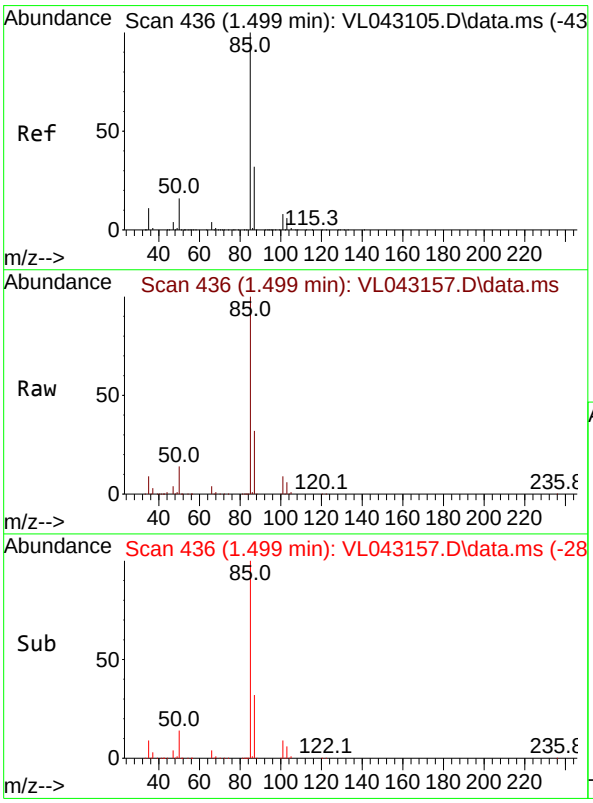
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 49 Resp: 111380

Ion	Ratio	Lower	Upper
49	100		
128	50.4	24.4	73.4
130	63.9	31.0	93.0

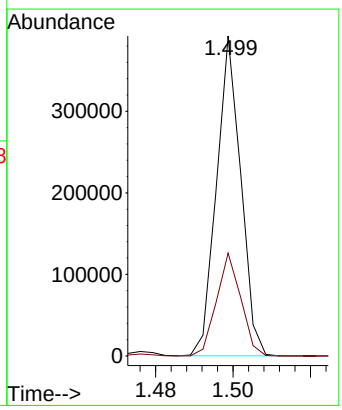


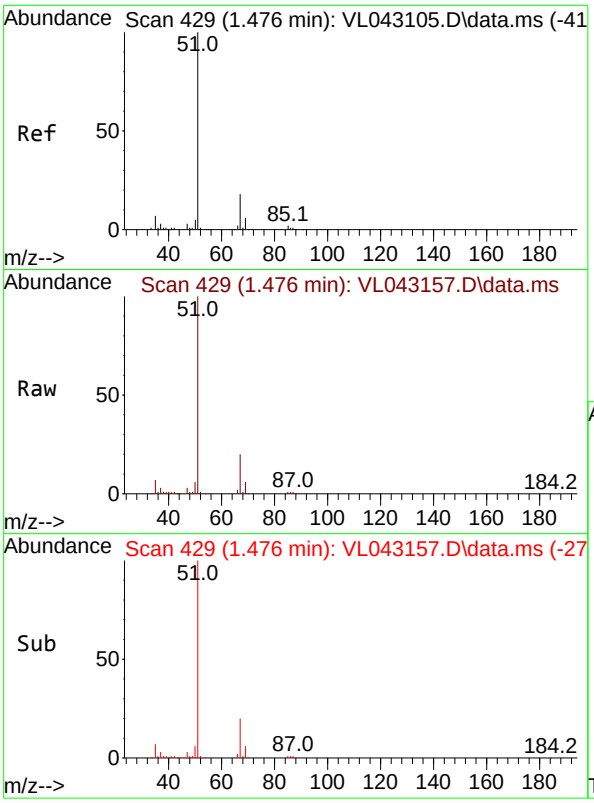


#2
Dichlorodifluoromethane
Concen: 10.782 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 85 Resp: 170728

Ion	Ratio	Lower	Upper
85	100		
87	32.2	25.3	37.9



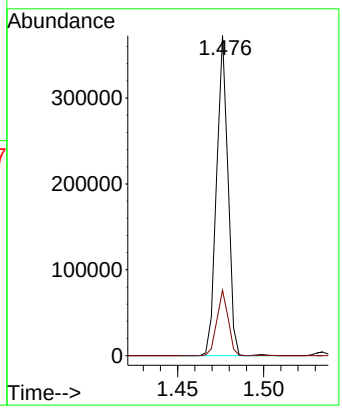


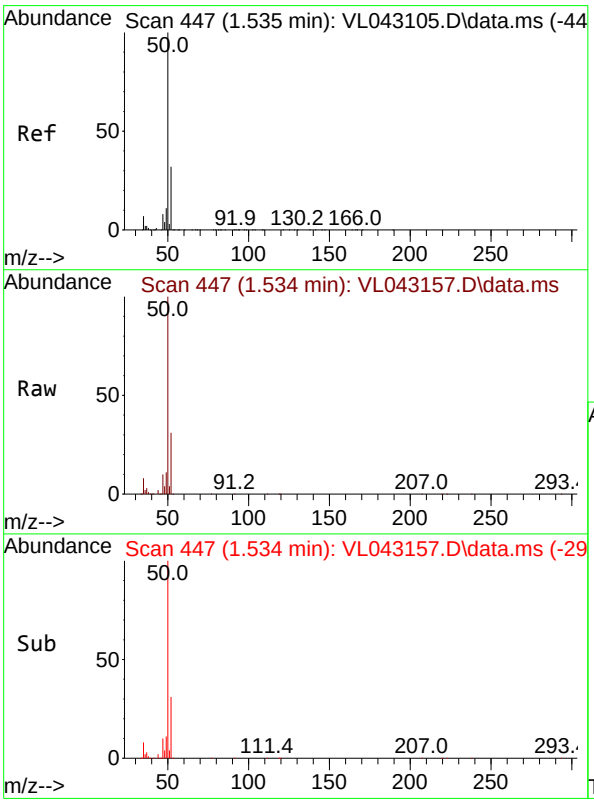
#3
Chlorodifluoromethane
Concen: 10.011 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 51 Resp: 171506

Ion	Ratio	Lower	Upper
51	100		
67	20.4	15.1	22.7

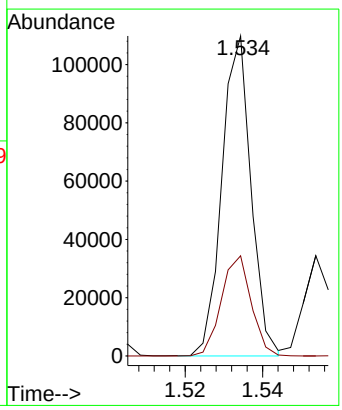


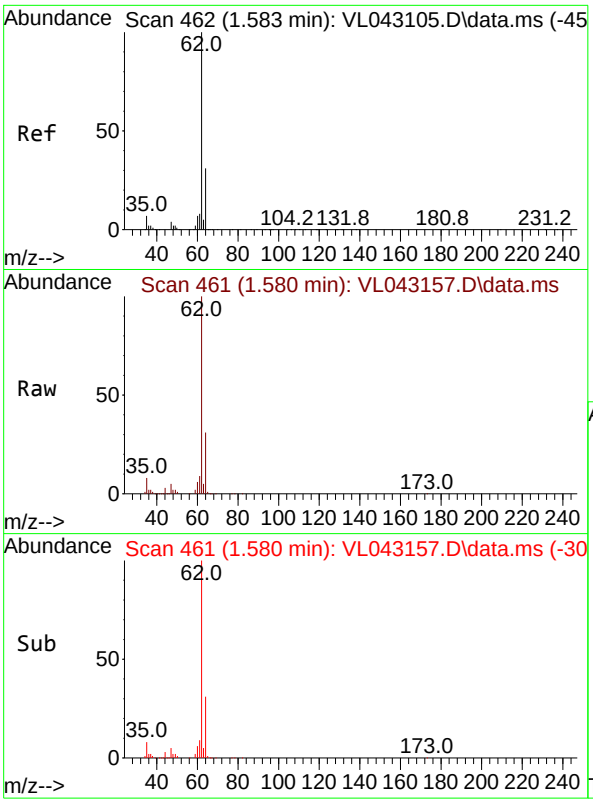


#4
Chloromethane
Concen: 9.134 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 50 Resp: 57299

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.2	37.8



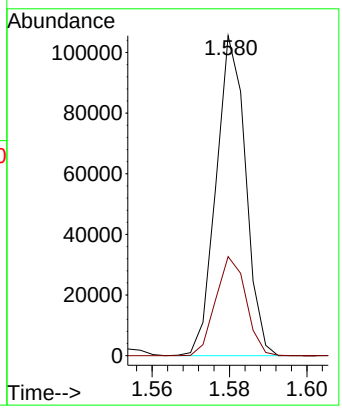


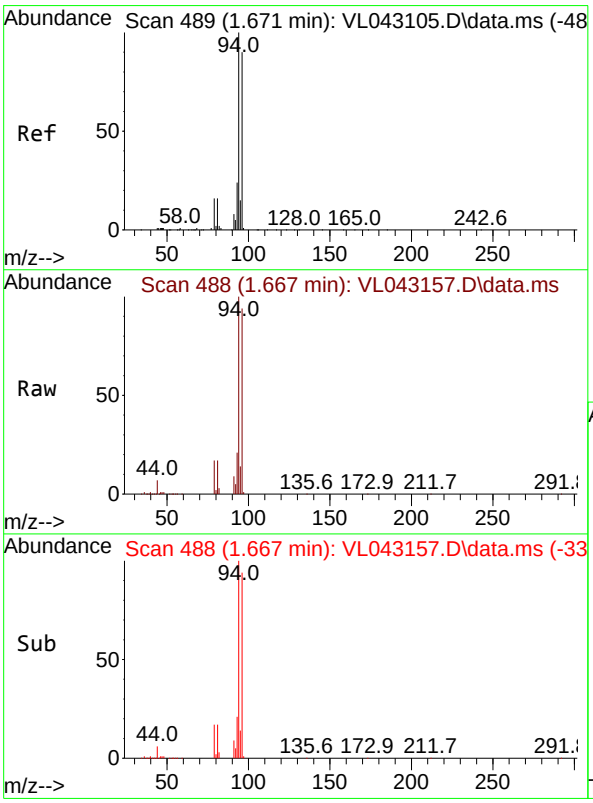
#5
Vinyl Chloride
Concen: 9.085 ppbv
RT: 1.580 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 62 Resp: 55895

Ion	Ratio	Lower	Upper
62	100		
64	31.0	24.6	36.8

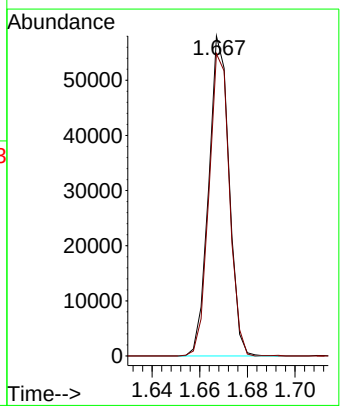


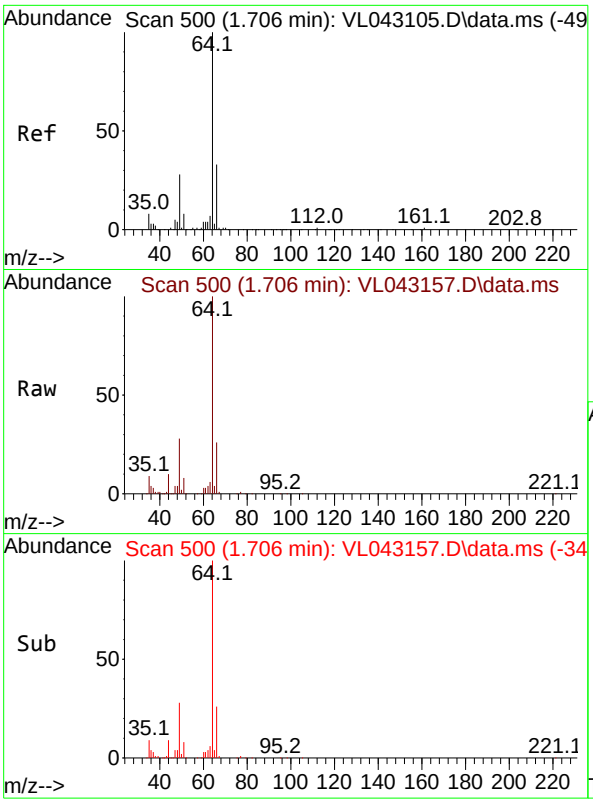


#6
Bromomethane
Concen: 10.238 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 94 Resp: 34540

Ion	Ratio	Lower	Upper
94	100		
96	94.5	72.2	108.4



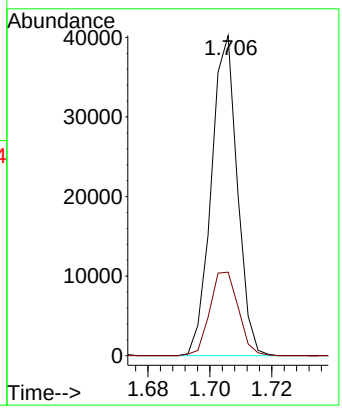


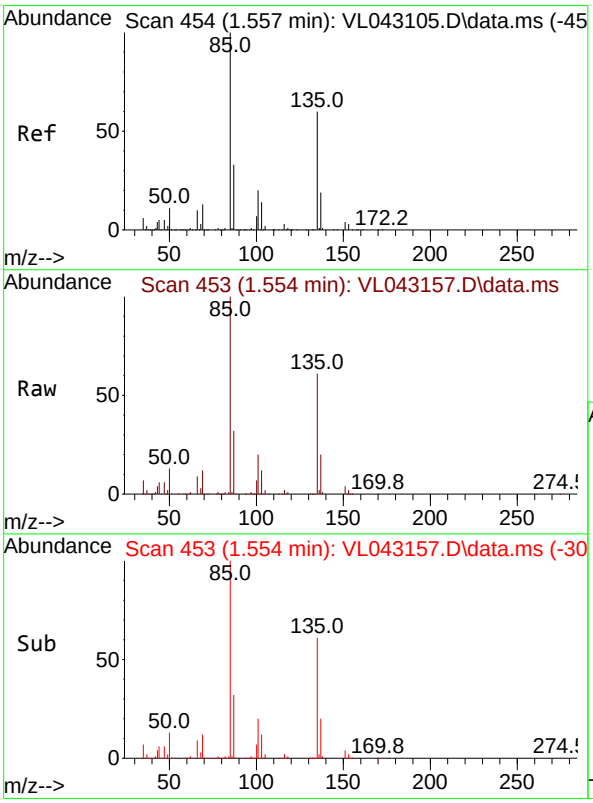
#7
Chloroethane
Concen: 9.342 ppbv
RT: 1.706 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 64 Resp: 23501

Ion	Ratio	Lower	Upper
64	100		
66	26.1	26.0	39.0

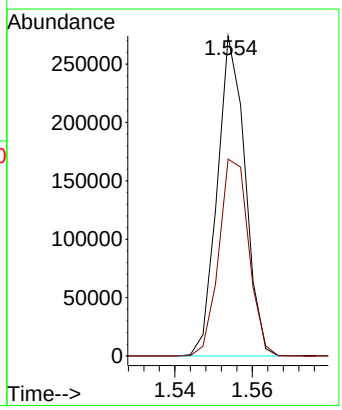


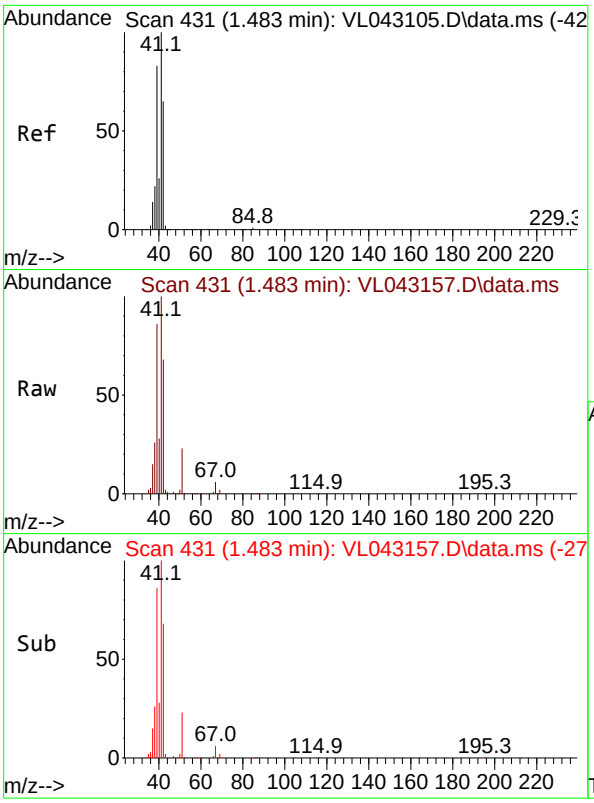


#8
Dichlorotetrafluoroethane
Concen: 10.661 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 85 Resp: 136433

Ion	Ratio	Lower	Upper
85	100		
135	66.6	48.2	72.4



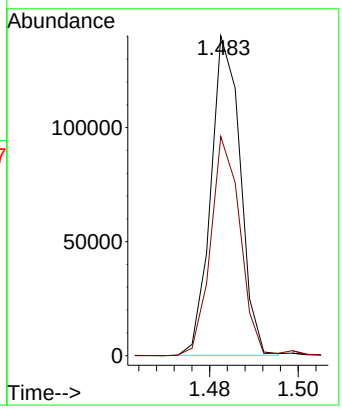


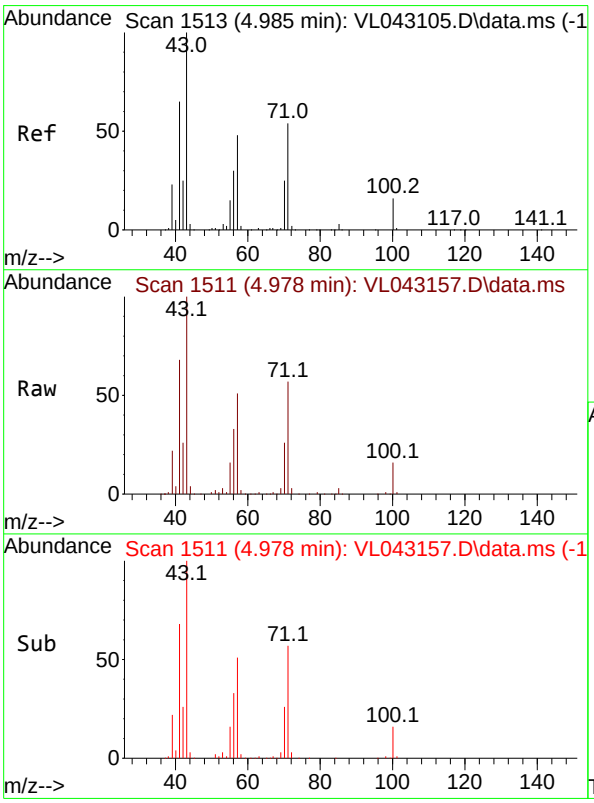
#9
Propene
Concen: 8.523 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 41 Resp: 64760

Ion	Ratio	Lower	Upper
41	100		
42	69.6	55.1	82.7

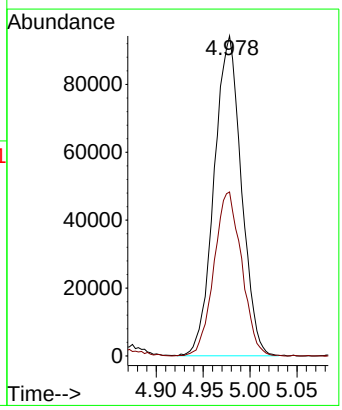


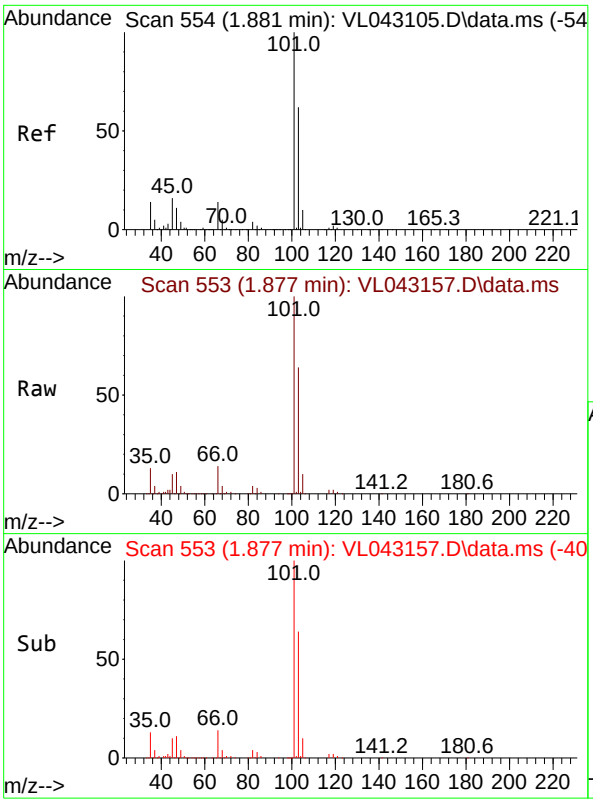


#10
Heptane
Concen: 8.683 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 189938

Ion	Ratio	Lower	Upper
43	100		
57	52.3	40.8	61.2



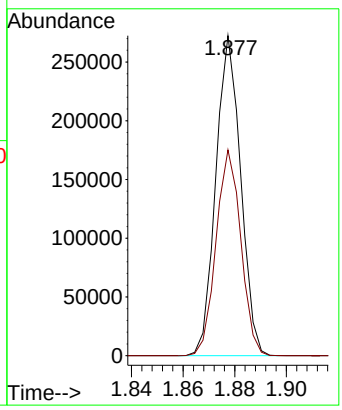


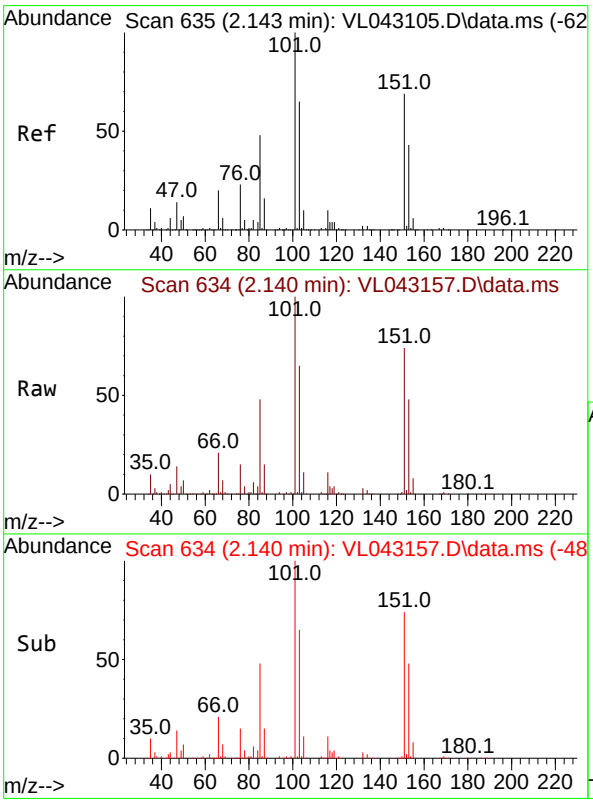
#11
Trichlorofluoromethane
Concen: 11.748 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:101 Resp: 181952

Ion	Ratio	Lower	Upper
101	100		
103	64.3	49.3	73.9

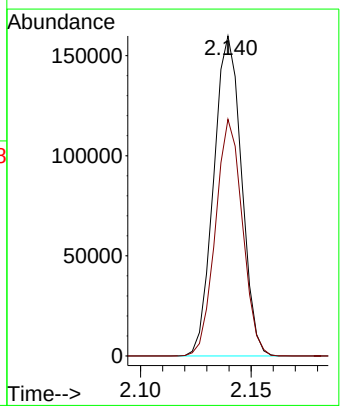


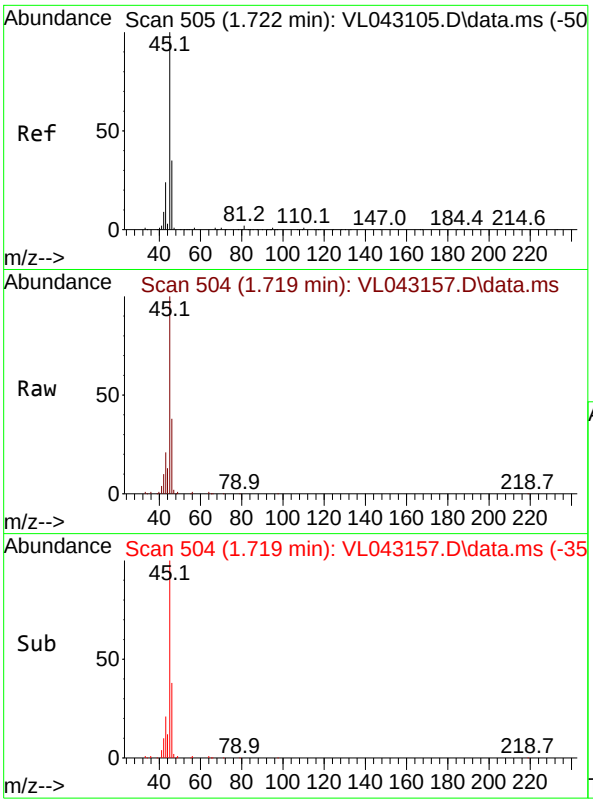


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.222 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:101 Resp: 139934

Ion	Ratio	Lower	Upper
101	100		
151	71.7	54.7	82.1



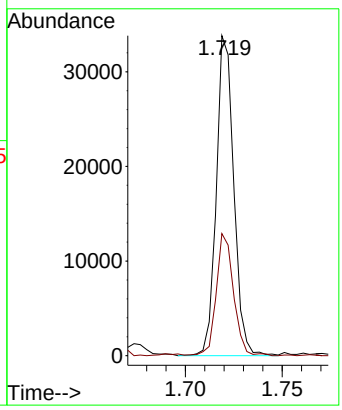


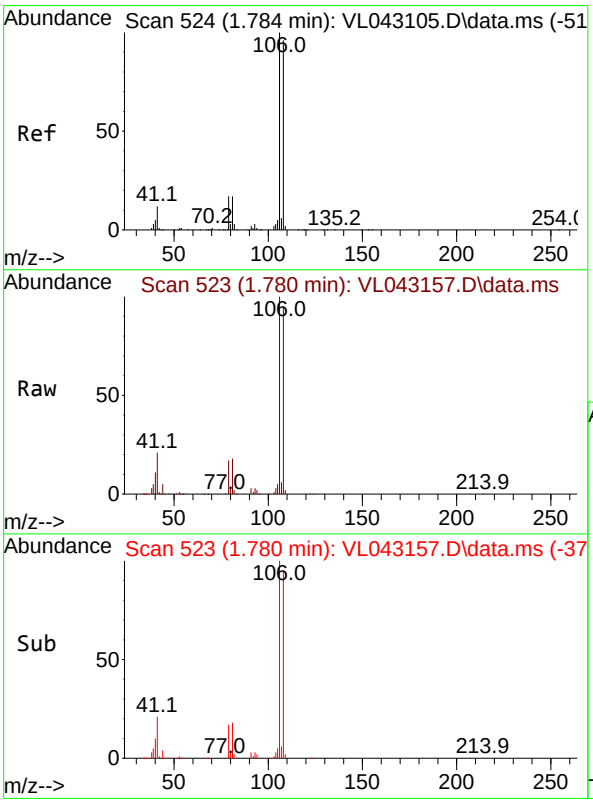
#13
Ethanol
Concen: 7.530 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 45 Resp: 21163

Ion	Ratio	Lower	Upper
45	100		
46	38.3	14.7	58.9

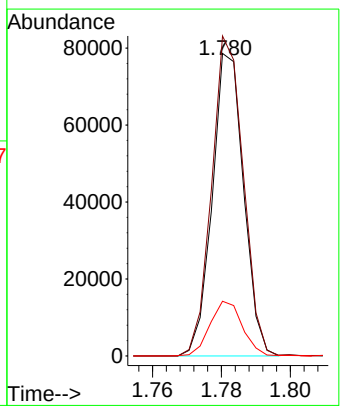


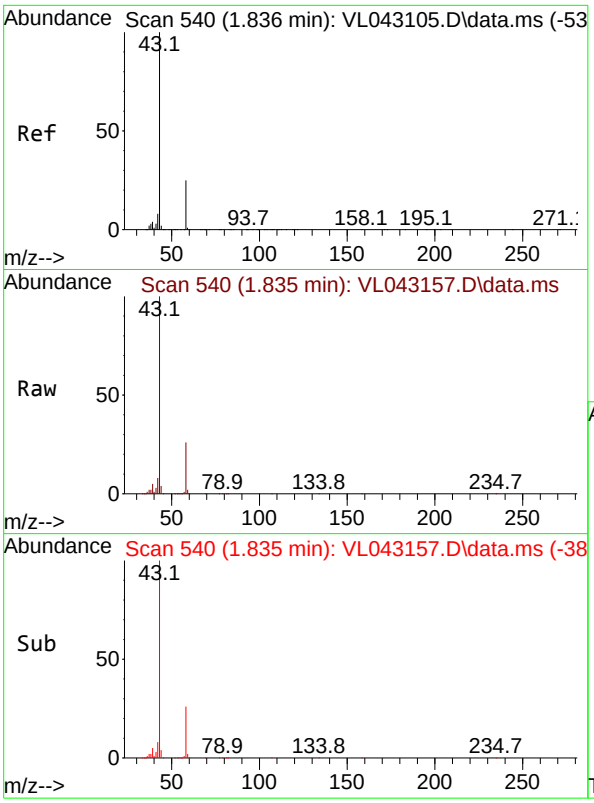


#14
Bromoethene
Concen: 10.727 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:108 Resp: 49693

Ion	Ratio	Lower	Upper
108	100		
106	106.7	84.4	126.6
79	18.8	15.3	22.9



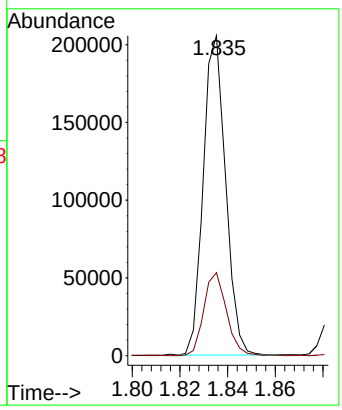


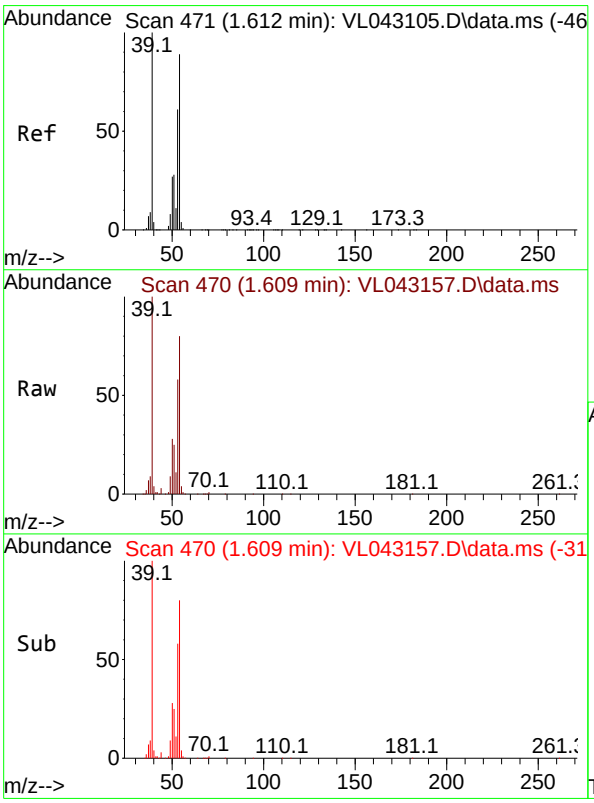
#15
Acetone
Concen: 8.934 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 43 Resp: 134115

Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.8	31.2

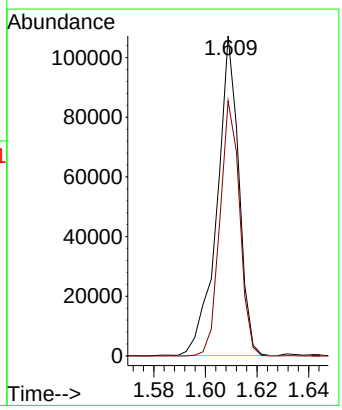


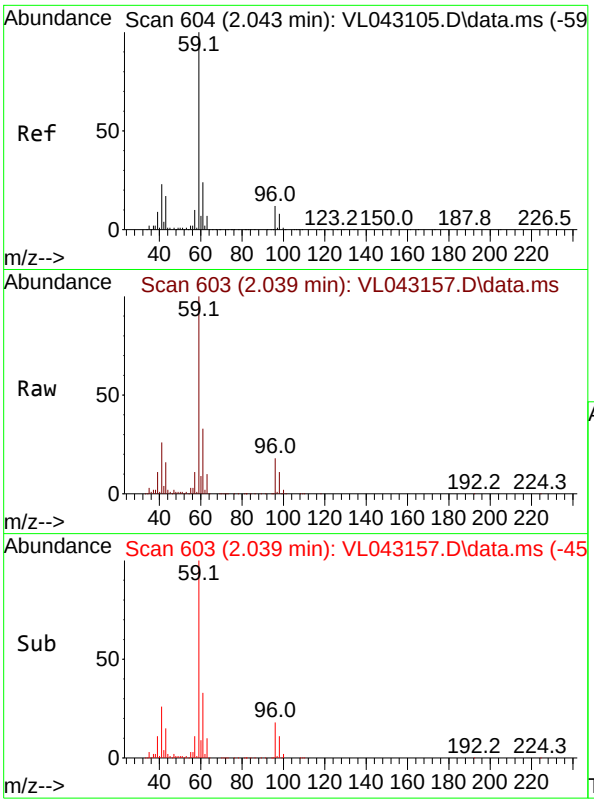


#16
1,3-Butadiene
Concen: 8.753 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 39 Resp: 62625

Ion	Ratio	Lower	Upper
39	100		
54	72.1	59.0	88.4



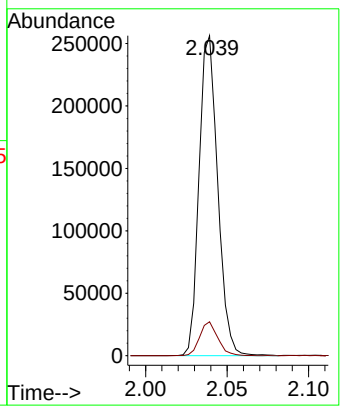


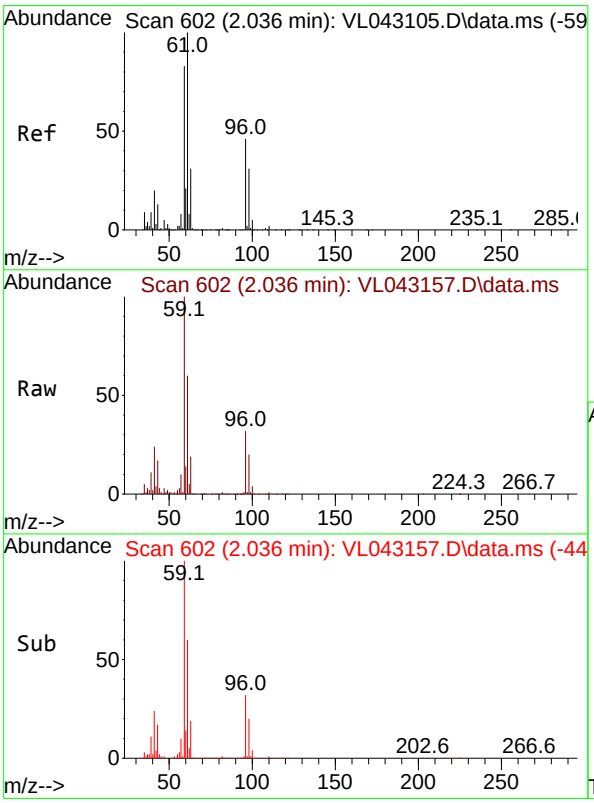
#17
tert-Butyl alcohol
Concen: 9.865 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 59 Resp: 203295

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

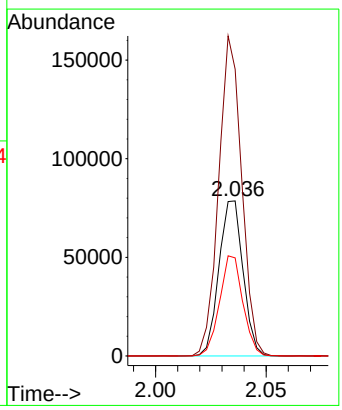


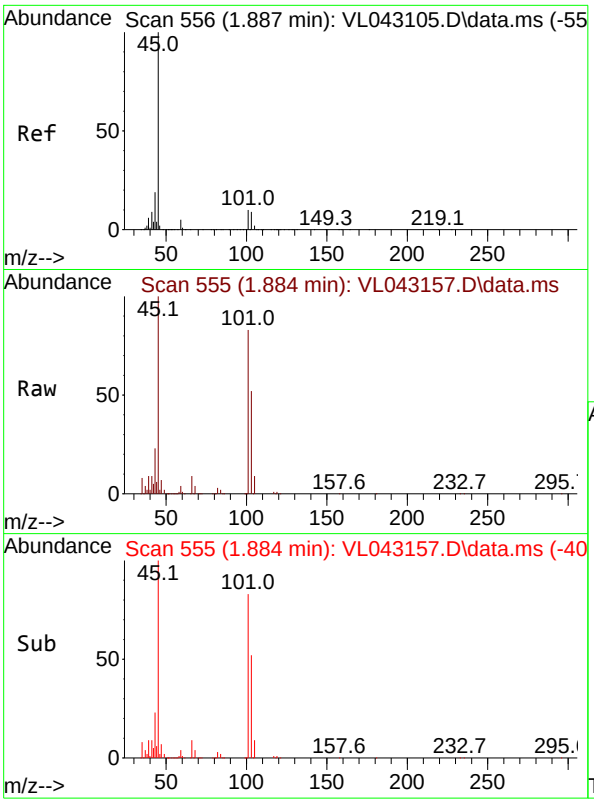


#18
1,1-Dichloroethene
Concen: 10.957 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 96 Resp: 59563

Ion	Ratio	Lower	Upper
96	100		
61	185.0	173.4	260.0
98	63.3	53.2	79.8



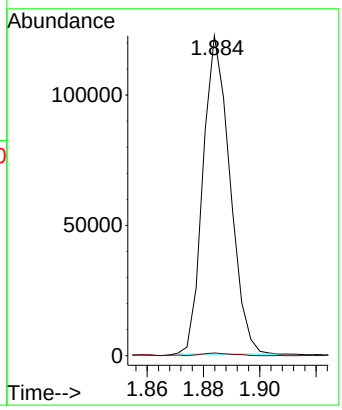


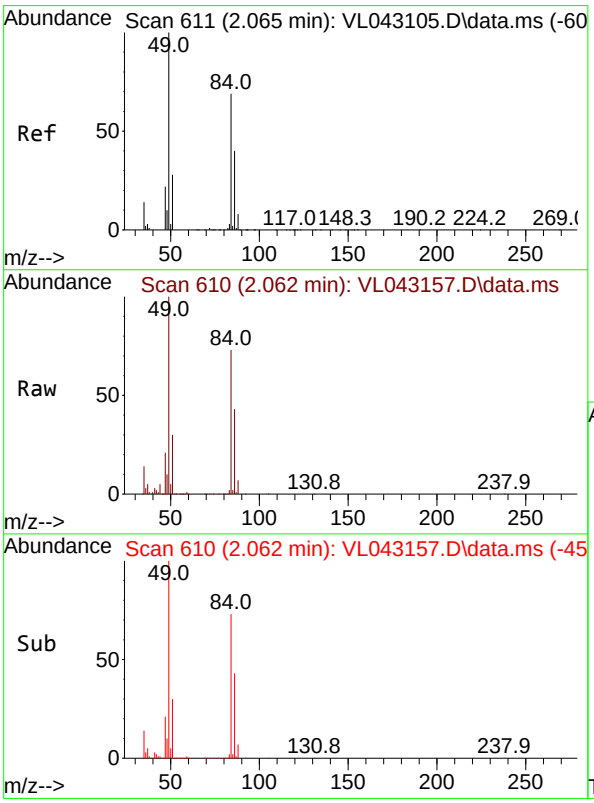
#19
Isopropyl Alcohol
Concen: 8.657 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 45 Resp: 80943

Ion	Ratio	Lower	Upper
45	100		
58	44.1	31.3	46.9

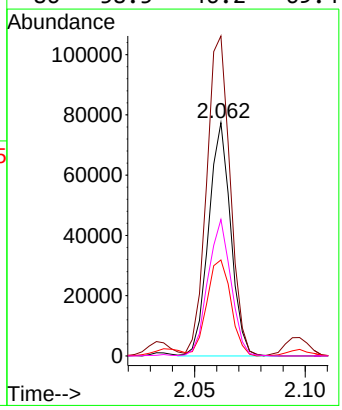


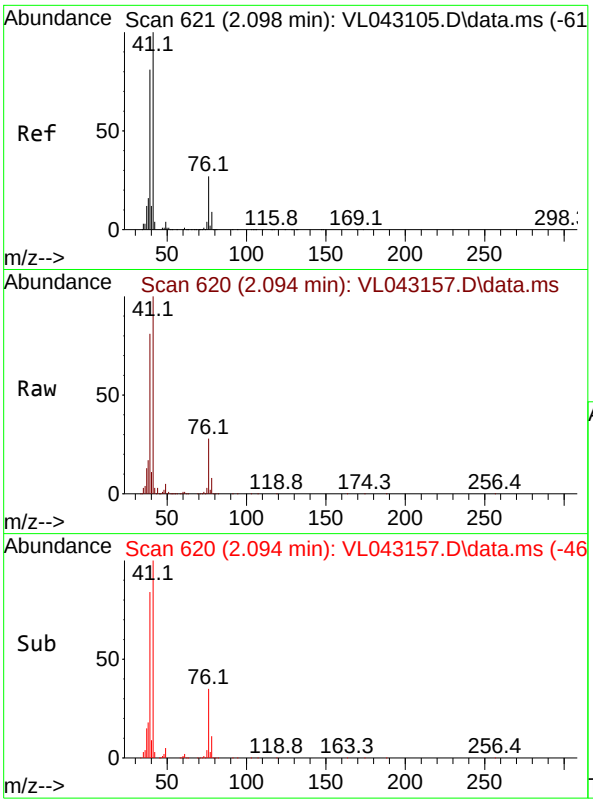


#20
Methylene Chloride
Concen: 9.085 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 84 Resp: 53912

Ion	Ratio	Lower	Upper
84	100		
49	135.7	116.6	175.0
51	40.7	34.8	52.2
86	58.5	46.2	69.4



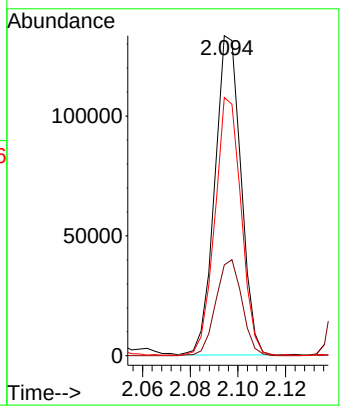


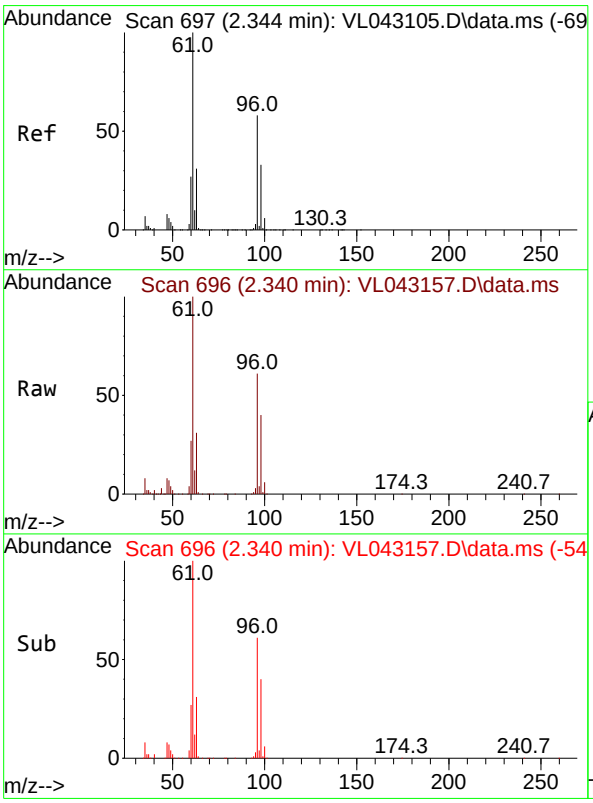
#21
Allyl Chloride
Concen: 9.210 ppbv
RT: 2.094 min Scan# 6
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 41 Resp: 101879

Ion	Ratio	Lower	Upper
41	100		
76	30.0	21.5	32.3
39	81.2	60.8	91.2

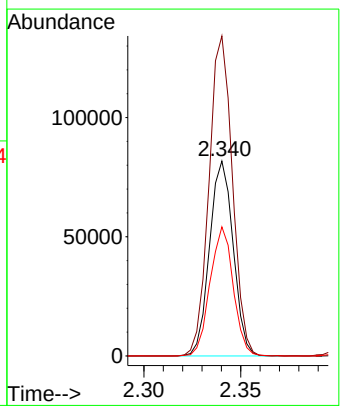


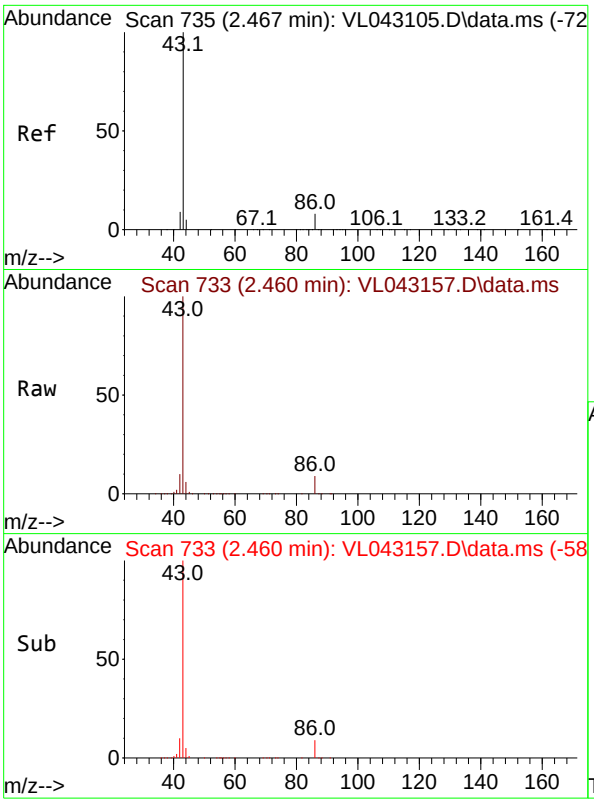


#22
trans-1,2-Dichloroethene
Concen: 10.665 ppbv
RT: 2.340 min Scan# 696
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 96 Resp: 69305

Ion	Ratio	Lower	Upper
96	100		
61	164.1	137.0	205.6
98	66.3	45.5	68.3



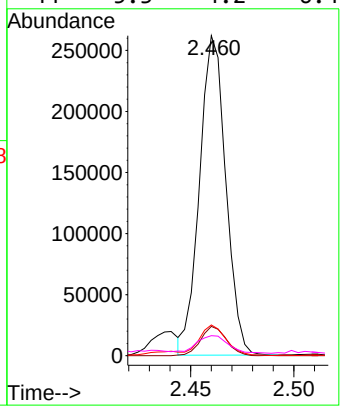


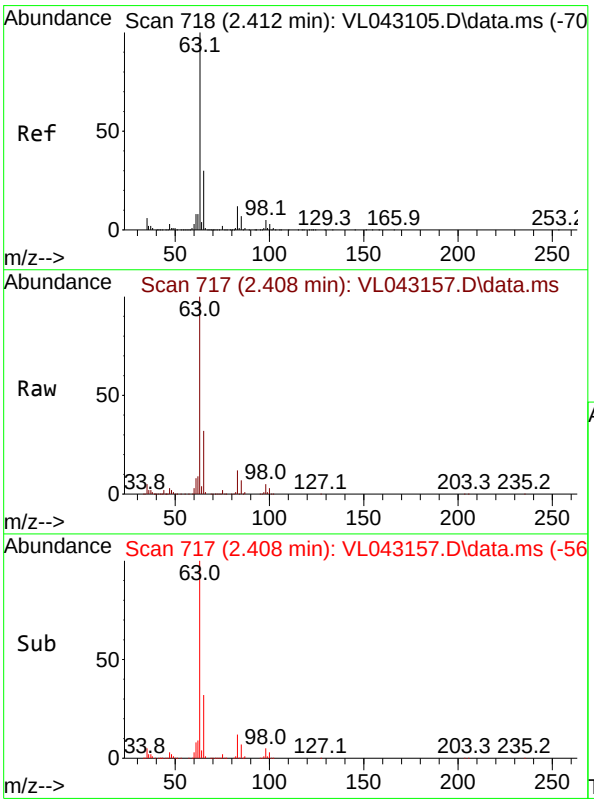
#23
Vinyl Acetate
Concen: 10.556 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 43 Resp: 232125

Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.2	9.2
42	9.5	7.6	11.4
44	5.3	4.2	6.4

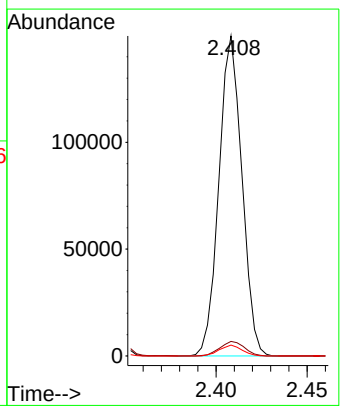


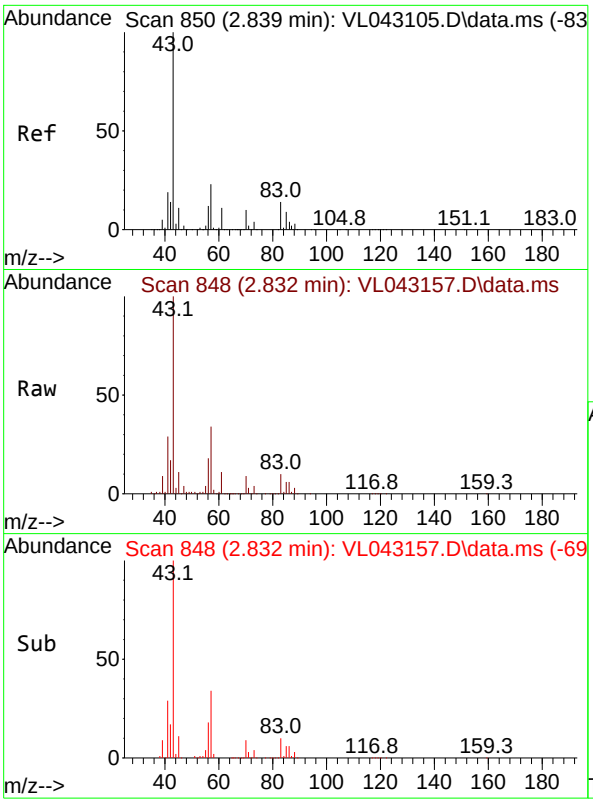


#24
1,1-Dichloroethane
Concen: 10.482 ppbv
RT: 2.408 min Scan# 717
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 63 Resp: 131599

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.6	7.8
100	3.4	1.5	4.4



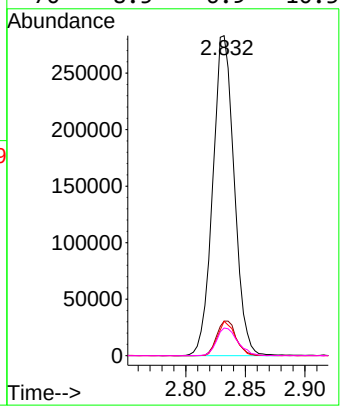


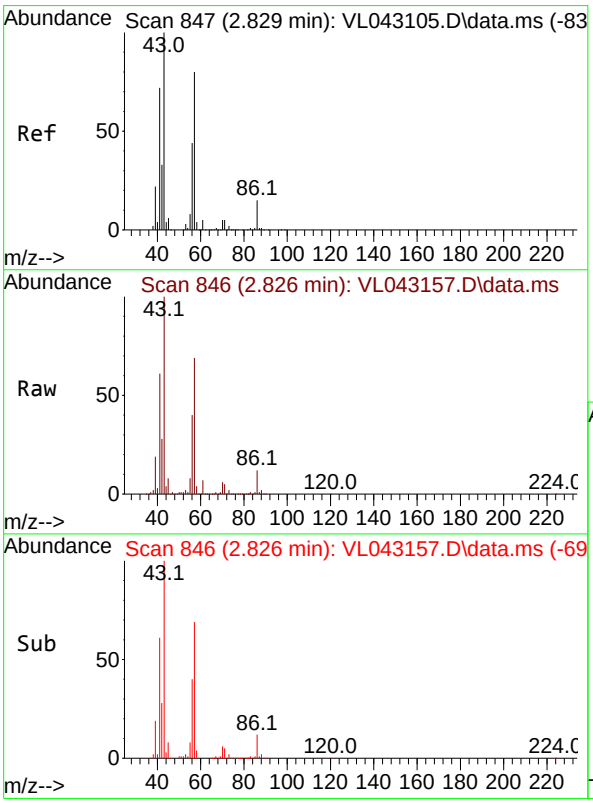
#25
Ethyl Acetate
Concen: 9.513 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 43 Resp: 354153

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.0	7.0	10.6
70	8.5	6.9	10.3

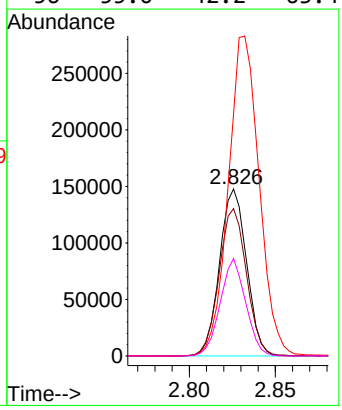


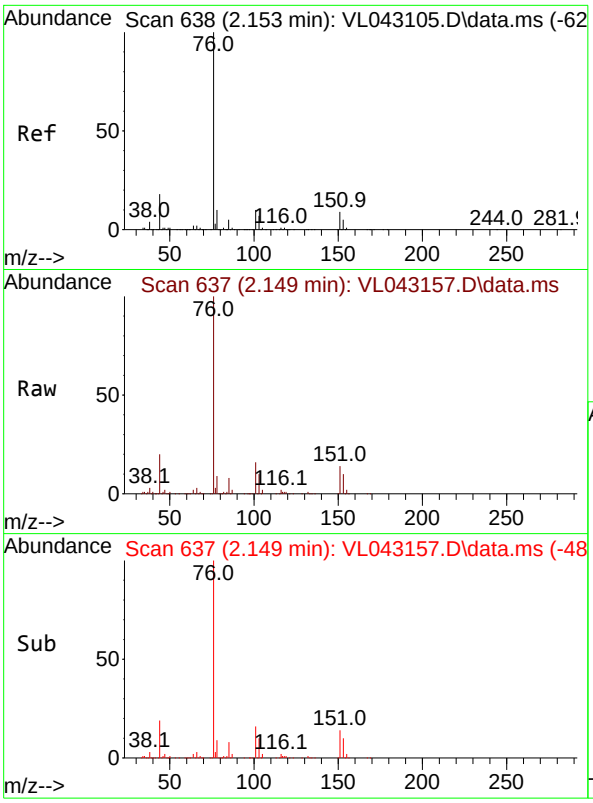


#26
Hexane
Concen: 9.387 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 57 Resp: 161029

Ion	Ratio	Lower	Upper
57	100		
41	90.3	71.4	107.0
43	220.2	178.5	267.7
56	55.0	42.2	63.4



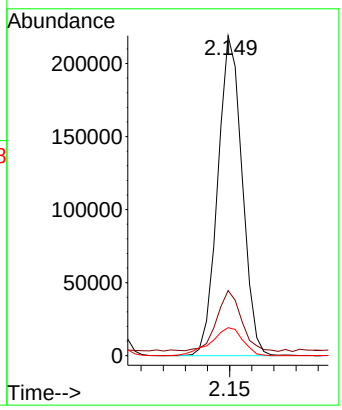


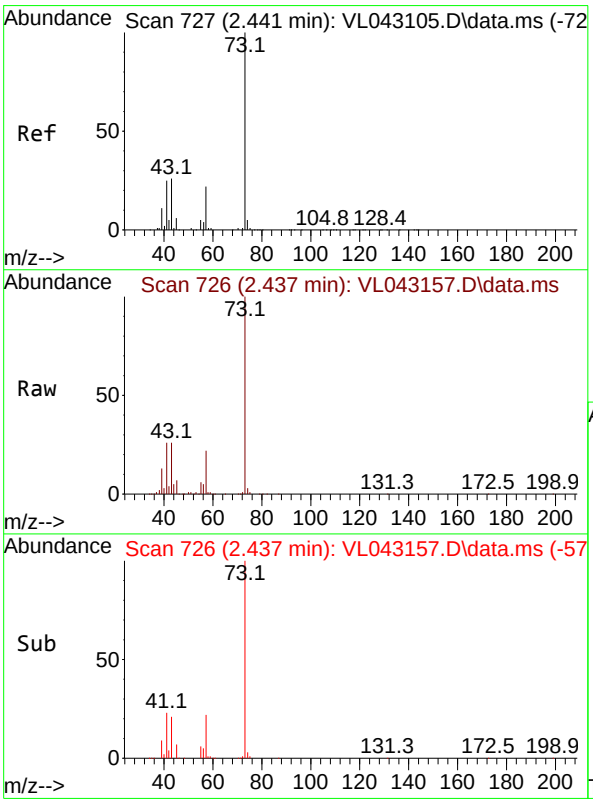
#27
Carbon Disulfide
Concen: 10.672 ppbv
RT: 2.149 min Scan# 6
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 76 Resp: 167737

Ion	Ratio	Lower	Upper
76	100		
44	19.4	16.7	25.1
78	11.4	9.3	13.9

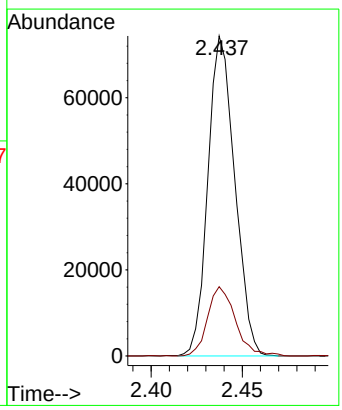


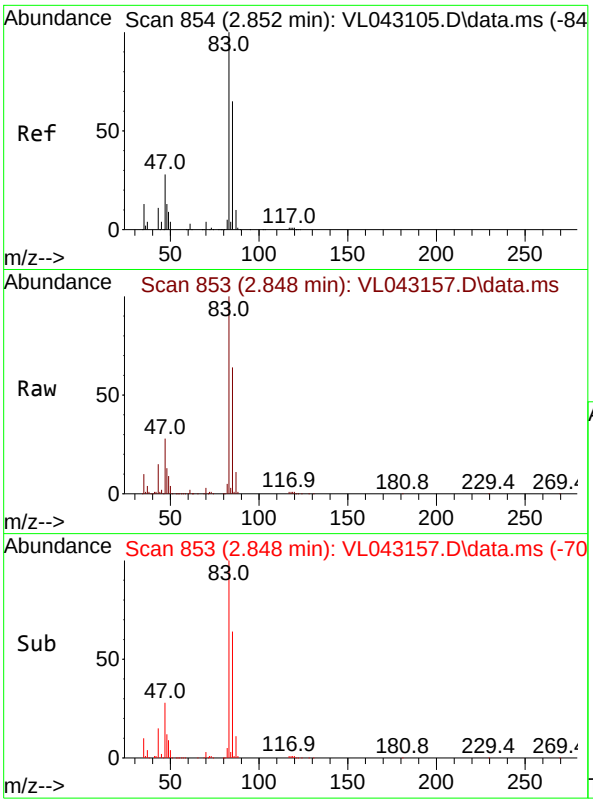


#28
Methyl tert-Butyl Ether
Concen: 9.775 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 73 Resp: 76290

Ion	Ratio	Lower	Upper
73	100		
57	22.4	20.5	30.7



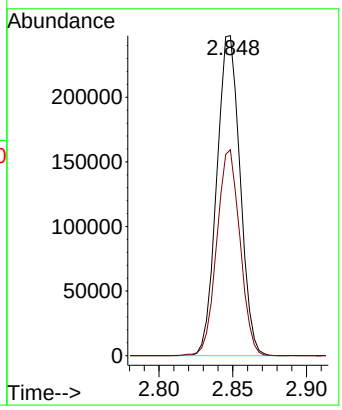


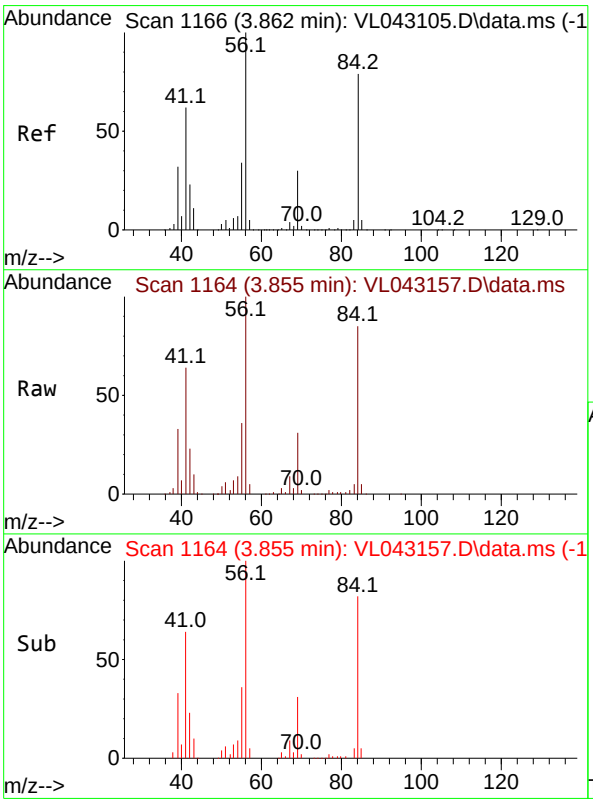
#29
Chloroform
Concen: 10.958 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 83 Resp: 272377

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6

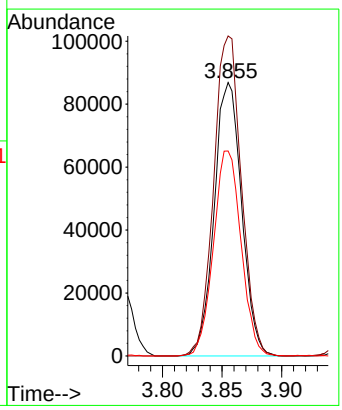


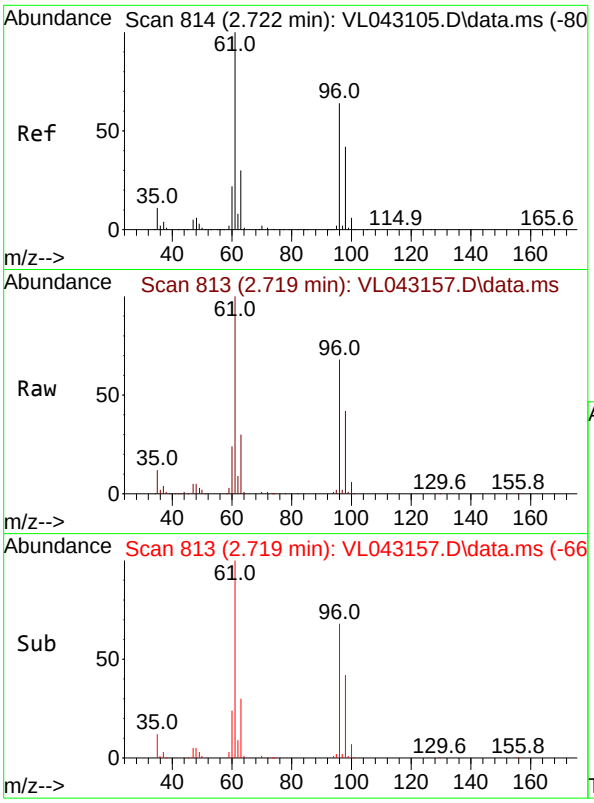


#30
Cyclohexane
Concen: 9.287 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 84 Resp: 139050

Ion	Ratio	Lower	Upper
84	100		
56	118.3	100.9	151.3
41	75.6	63.8	95.6



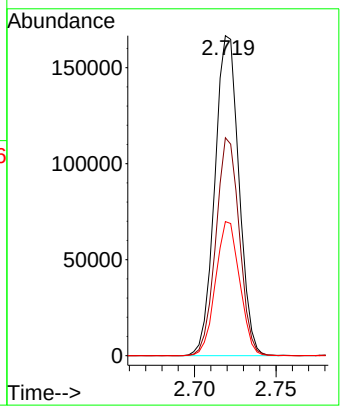


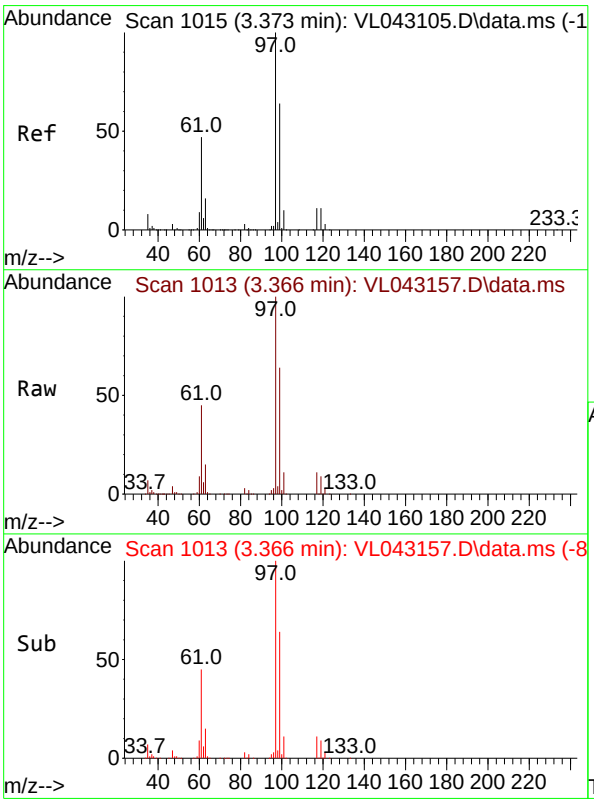
#31
cis-1,2-Dichloroethene
Concen: 10.456 ppbv
RT: 2.719 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 61 Resp: 171275

Ion	Ratio	Lower	Upper
61	100		
96	68.1	51.0	76.6
98	41.9	33.5	50.3

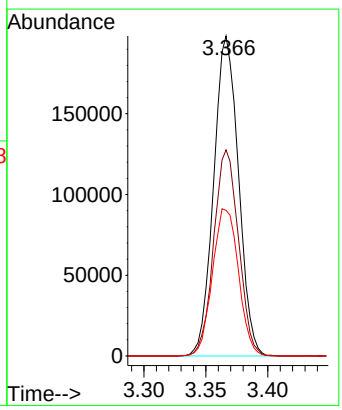


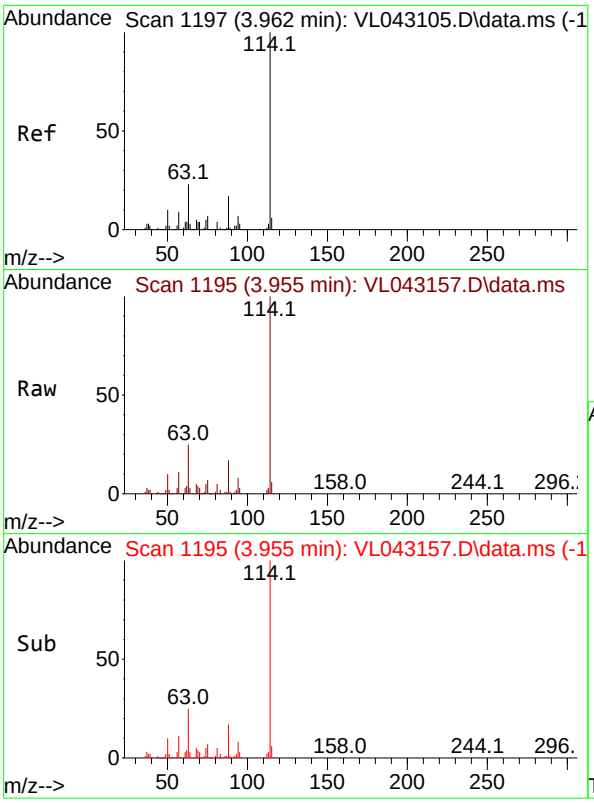


#32
1,1,1-Trichloroethane
Concen: 10.684 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 97 Resp: 276541

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	48.4	38.4	57.6



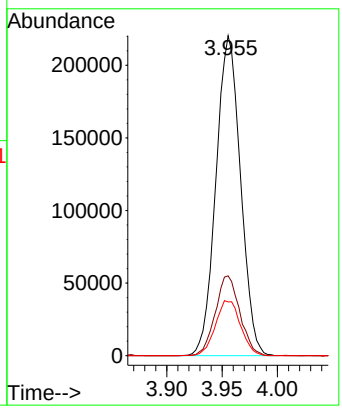


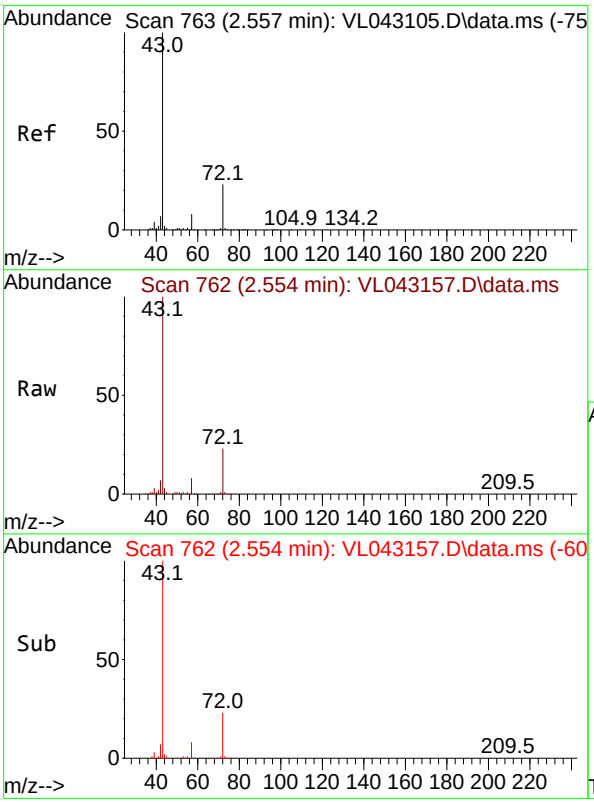
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:114 Resp: 340583

Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.3	28.9
88	17.6	13.9	20.9

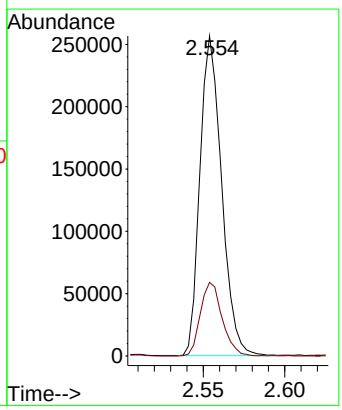


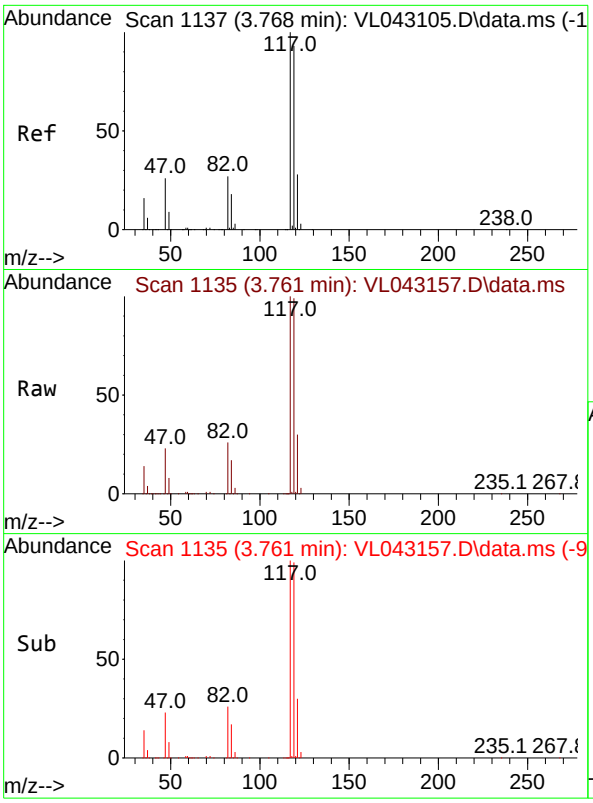


#34
2-Butanone
Concen: 10.367 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 237347

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.4	27.6



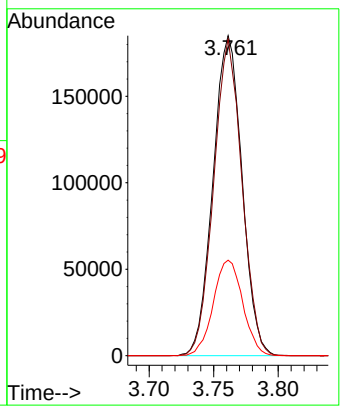


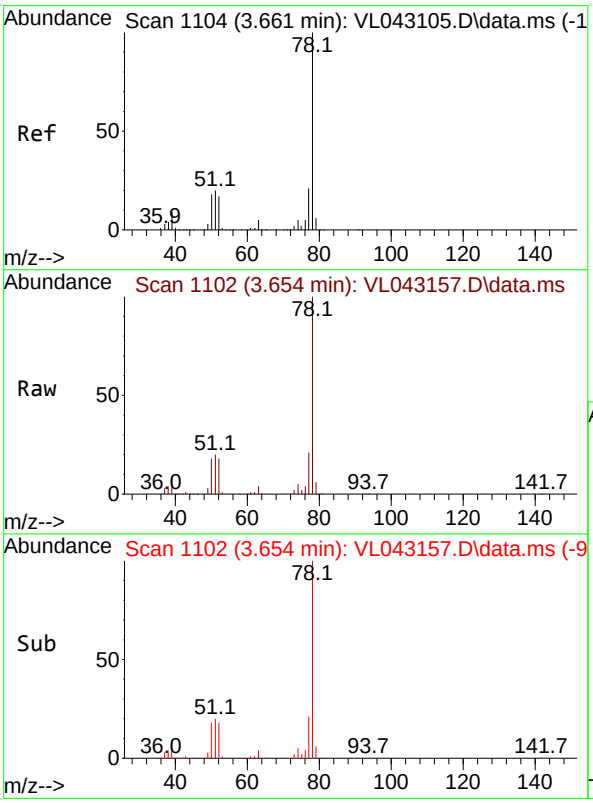
#35
Carbon Tetrachloride
Concen: 11.806 ppbv
RT: 3.761 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:117 Resp: 289096

Ion	Ratio	Lower	Upper
117	100		
119	98.9	74.1	111.1
121	29.9	22.2	33.2

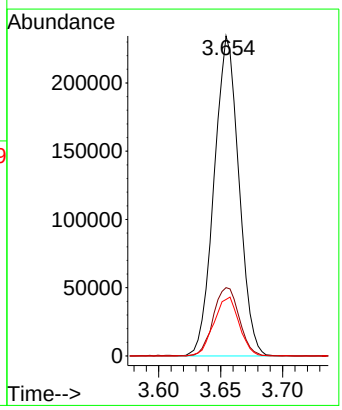


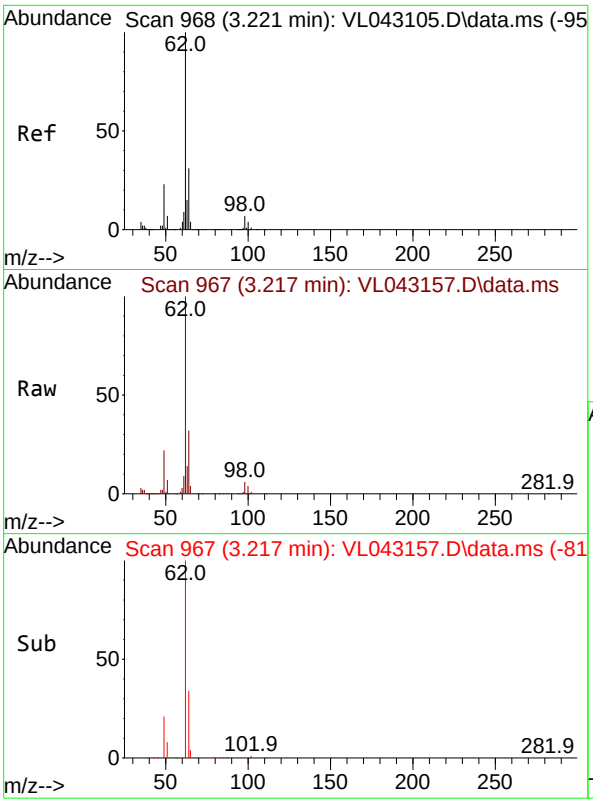


#36
Benzene
Concen: 10.193 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 78 Resp: 326982

Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.0	25.6
50	17.6	14.6	22.0



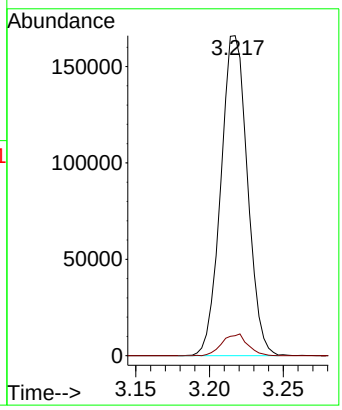


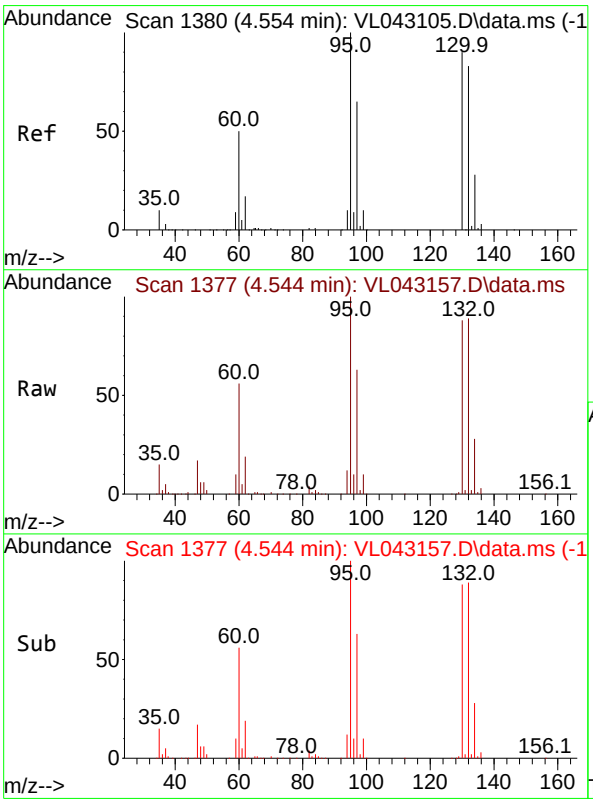
#37
1,2-Dichloroethane
Concen: 11.281 ppbv
RT: 3.217 min Scan# 9
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 62 Resp: 208468

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.8	8.6

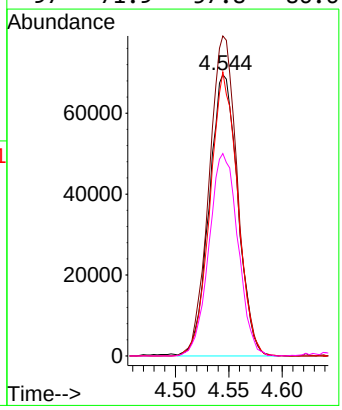


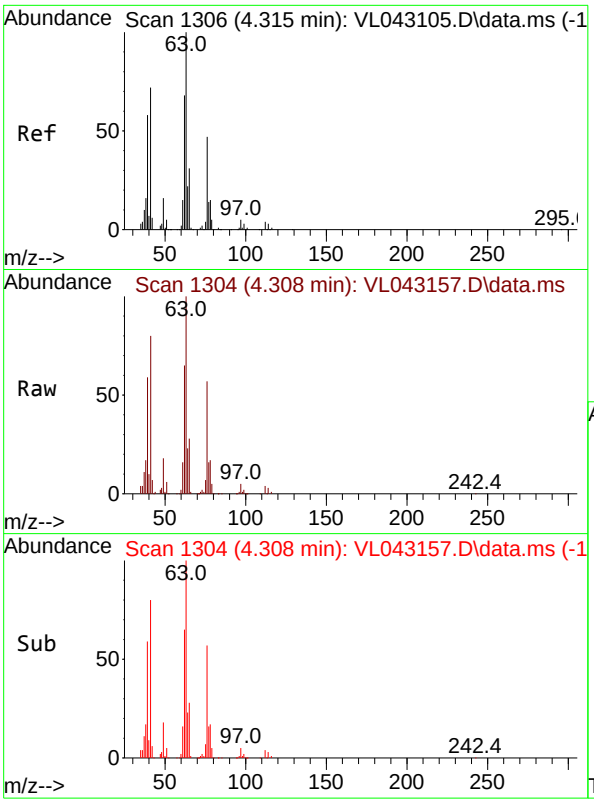


#38
Trichloroethene
Concen: 9.632 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:130 Resp: 129044

Ion	Ratio	Lower	Upper
130	100		
95	113.7	88.6	133.0
132	100.9	73.4	110.0
97	71.9	57.8	86.6



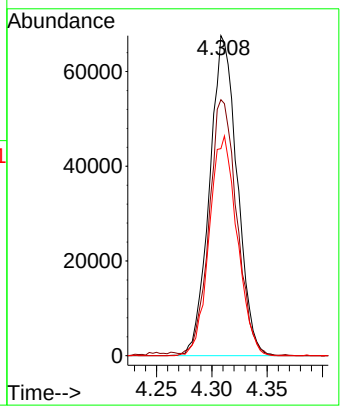


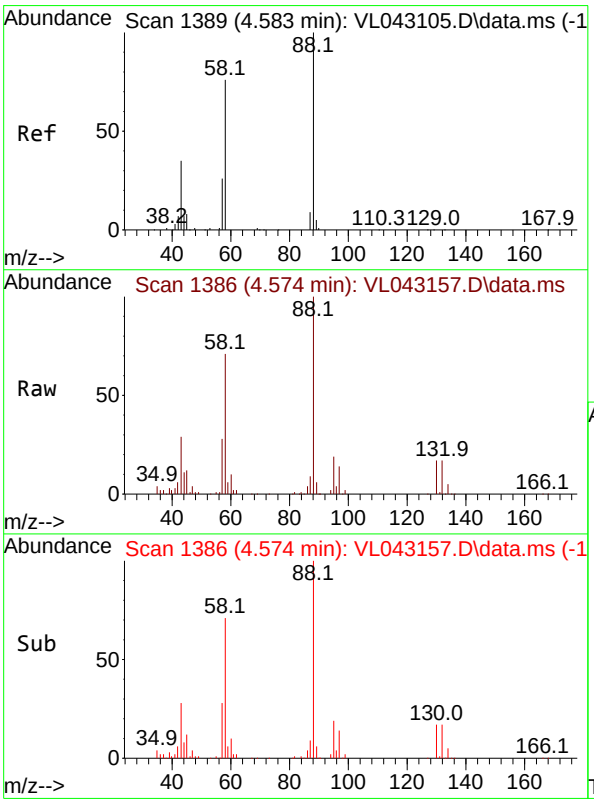
#39
1,2-Dichloropropane
Concen: 9.991 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 63 Resp: 117166

Ion	Ratio	Lower	Upper
63	100		
41	79.8	58.0	87.0
62	64.7	54.7	82.1

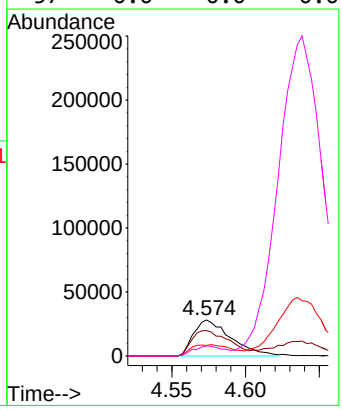


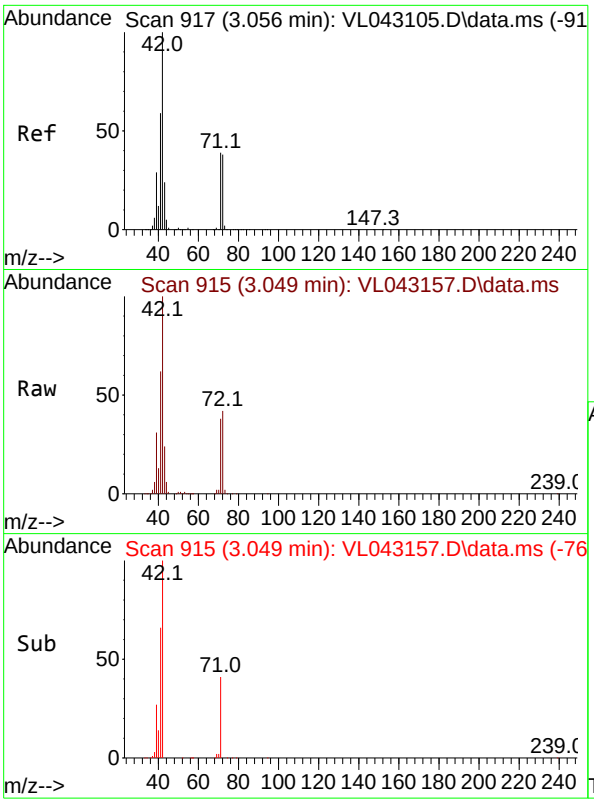


#40
1,4-Dioxane
Concen: 9.428 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 88 Resp: 49474

Ion	Ratio	Lower	Upper
88	100		
58	74.4	61.1	91.7
43	35.1	24.0	36.0
57	0.0	0.0	0.0



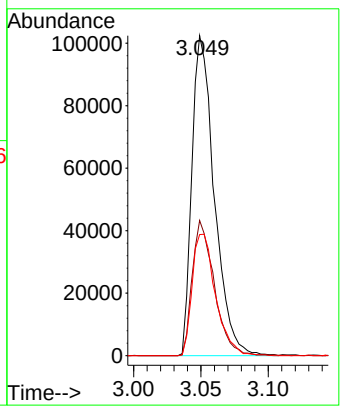


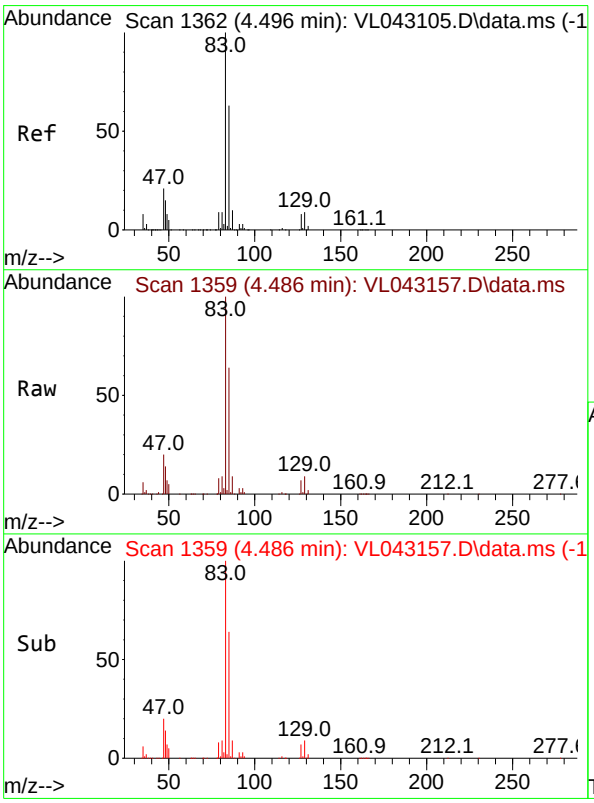
#41
Tetrahydrofuran
Concen: 9.265 ppbv
RT: 3.049 min Scan# 91
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 42 Resp: 118637

Ion	Ratio	Lower	Upper
42	100		
72	41.6	31.3	46.9
71	39.6	30.4	45.6

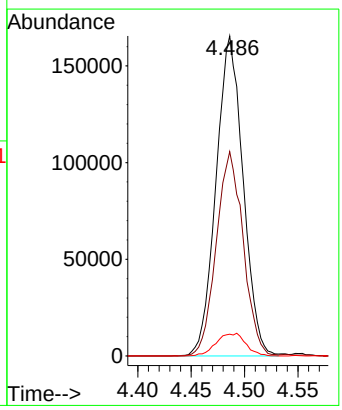


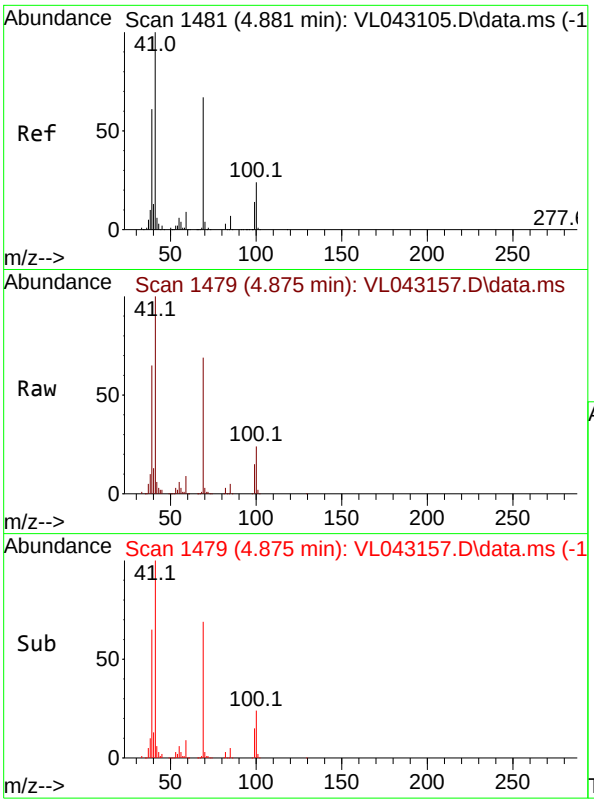


#42
Bromodichloromethane
Concen: 11.387 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 83 Resp: 291226

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	75.8
127	6.8	6.3	9.5



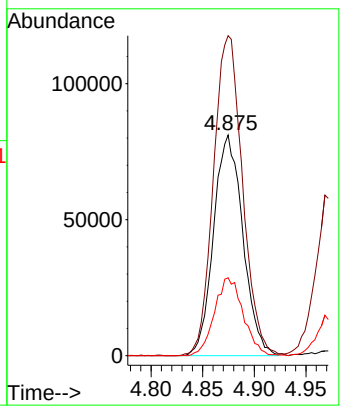


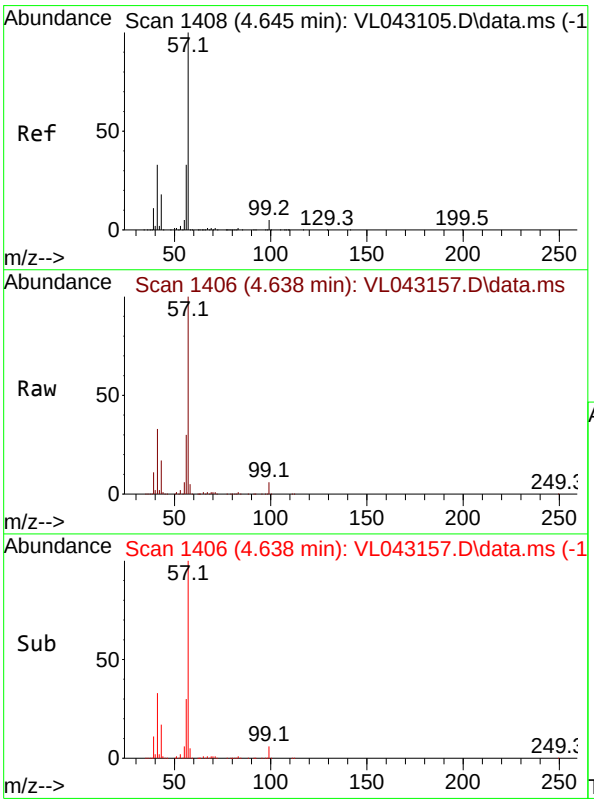
#43
Methyl Methacrylate
Concen: 9.821 ppbv
RT: 4.875 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 69 Resp: 160012

Ion	Ratio	Lower	Upper
69	100		
41	143.7	120.5	180.7
100	34.6	29.0	43.4

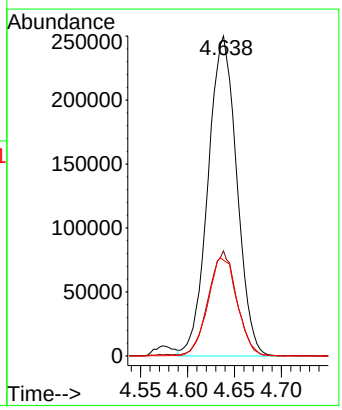


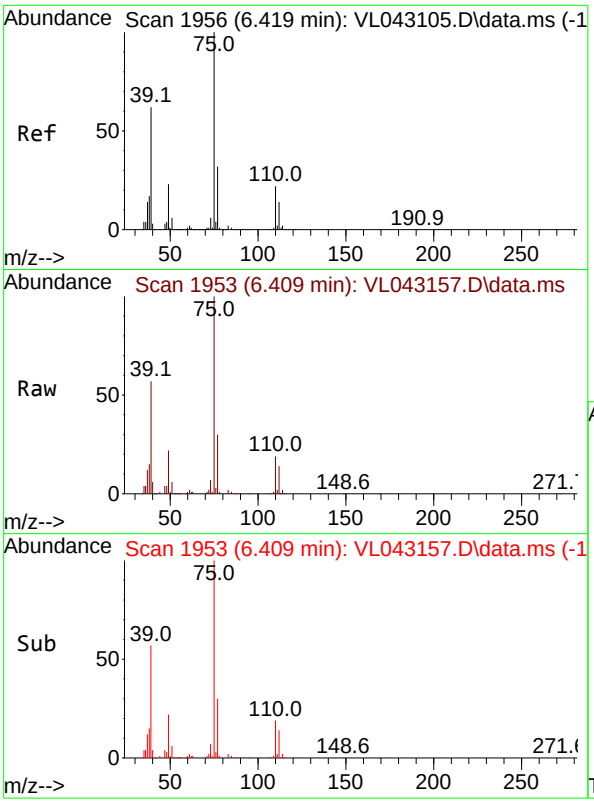


#44
2,2,4-Trimethylpentane
Concen: 9.828 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 57 Resp: 531922

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.3	39.5
56	31.6	25.9	38.9



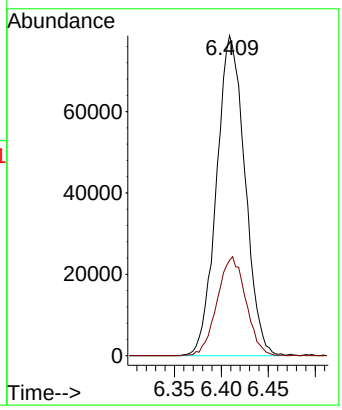


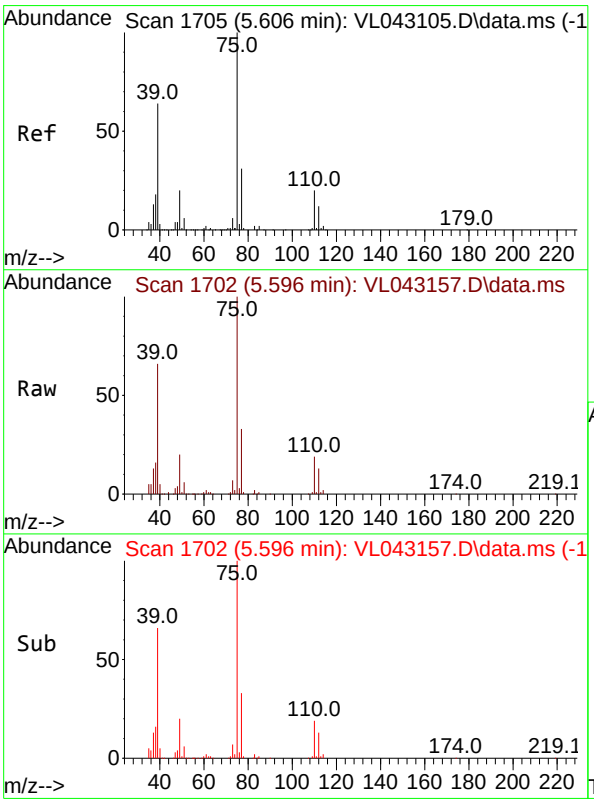
#45
t-1,3-Dichloropropene
Concen: 10.111 ppbv
RT: 6.409 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 75 Resp: 165316

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.4	38.2

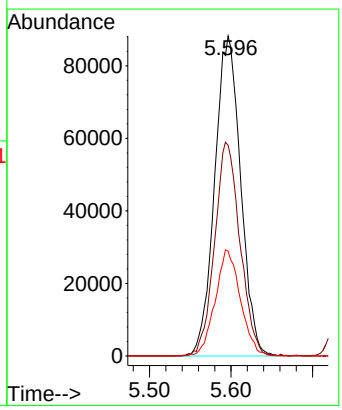


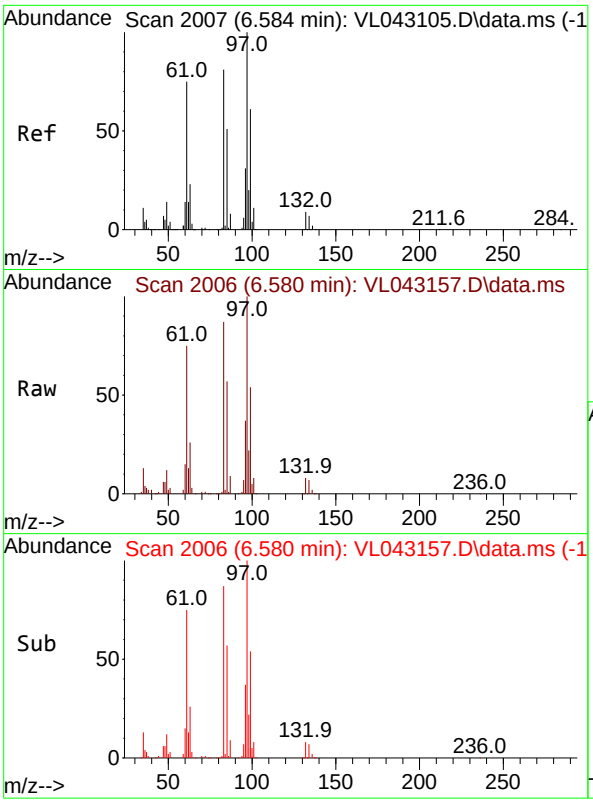


#46
cis-1,3-Dichloropropene
Concen: 10.001 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 75 Resp: 195336

Ion	Ratio	Lower	Upper
75	100		
39	65.7	51.0	76.6
77	32.7	25.0	37.4



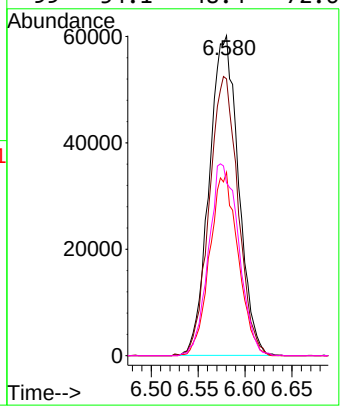


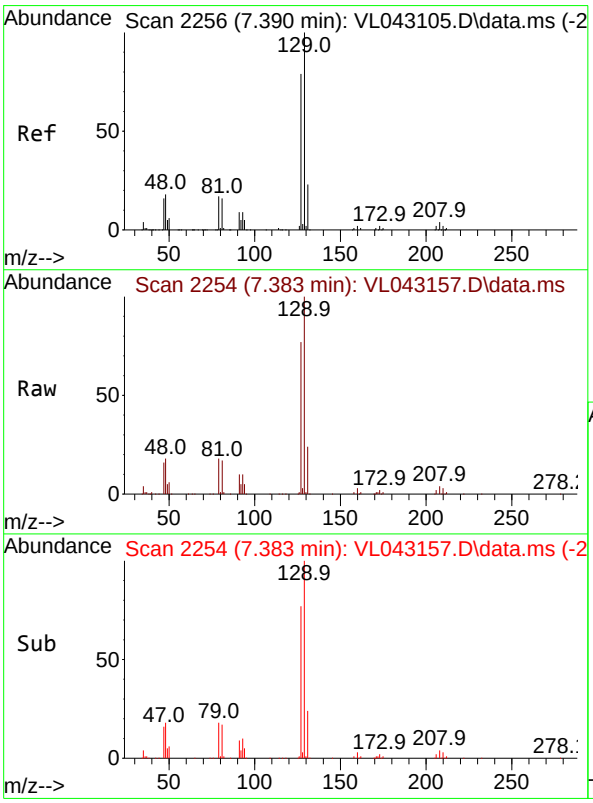
#47
1,1,2-Trichloroethane
Concen: 10.270 ppbv
RT: 6.580 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 97 Resp: 130064

Ion	Ratio	Lower	Upper
97	100		
83	86.4	64.6	96.8
85	57.4	40.6	60.8
99	54.1	48.4	72.6

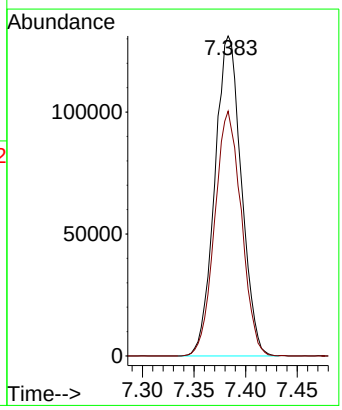


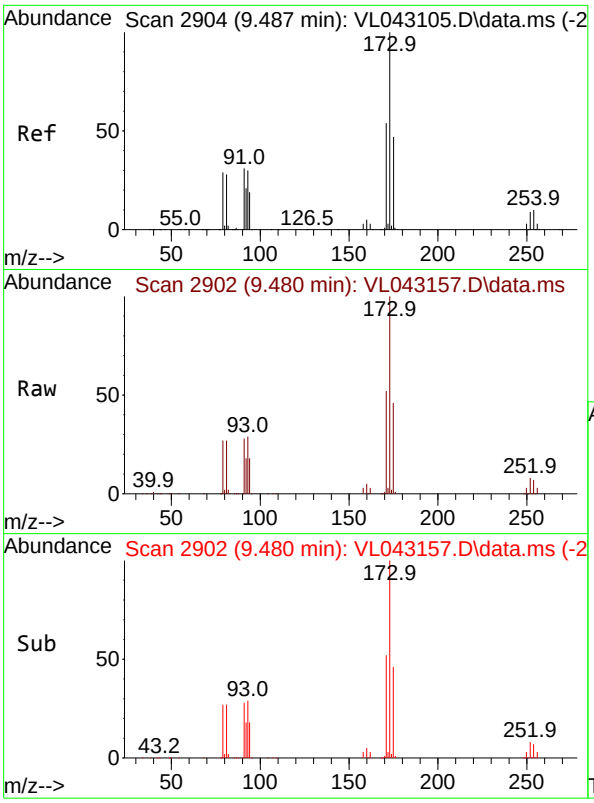


#48
Dibromochloromethane
Concen: 11.091 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:129 Resp: 234841

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.3	117.9



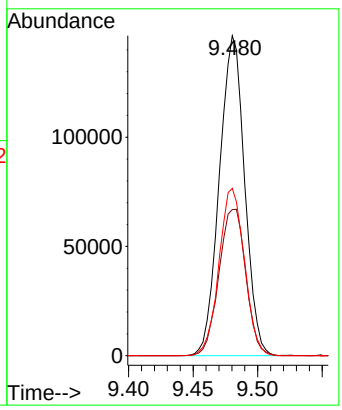


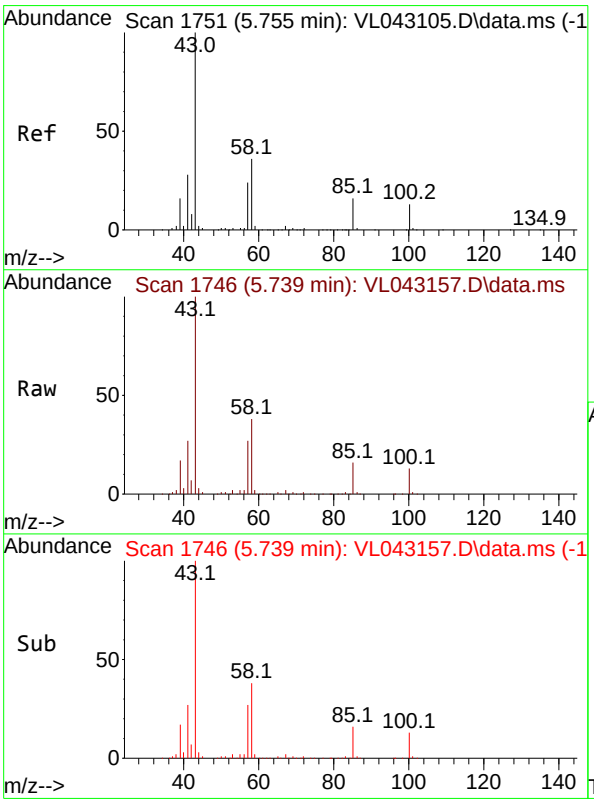
#49
Bromoform
Concen: 11.573 ppbv
RT: 9.480 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:173 Resp: 199190

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.8	58.2
171	52.7	41.7	62.5

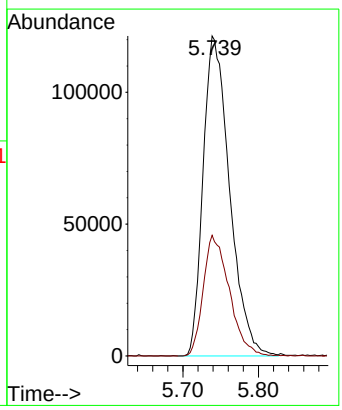


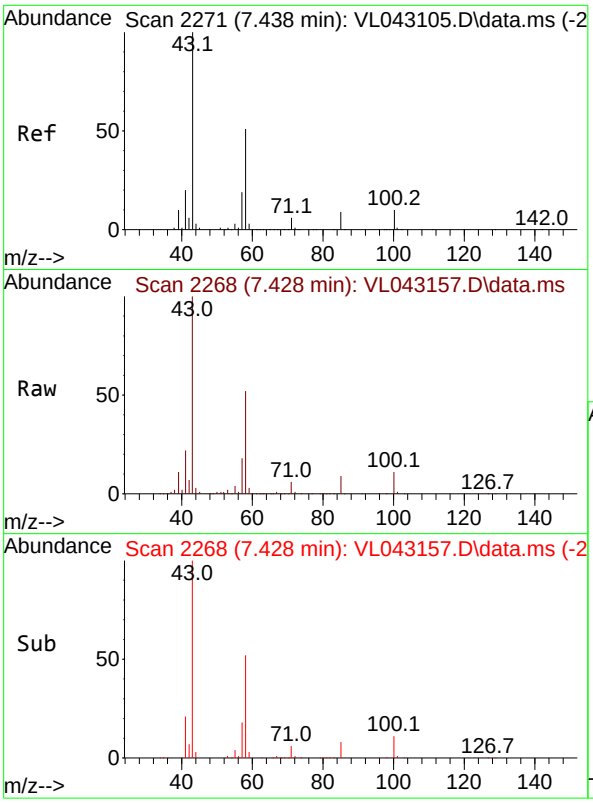


#50
4-Methyl-2-Pentanone
Concen: 9.361 ppbv
RT: 5.739 min Scan# 1746
Delta R.T. -0.016 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 43 Resp: 295763

Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.1	43.7



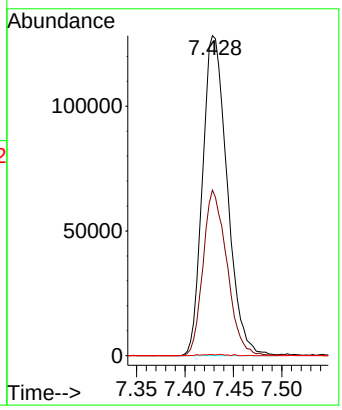


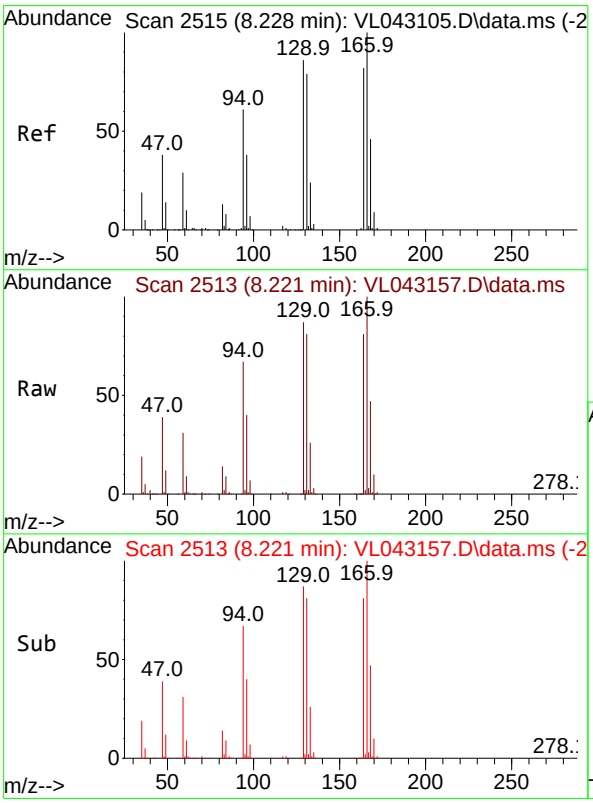
#51
2-Hexanone
Concen: 9.599 ppbv
RT: 7.428 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 43 Resp: 227473

Ion	Ratio	Lower	Upper
43	100		
58	50.1	40.4	60.6
98	0.4	0.1	0.1#

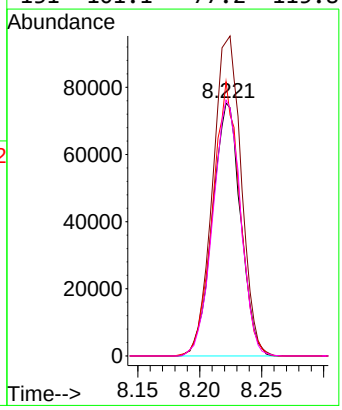


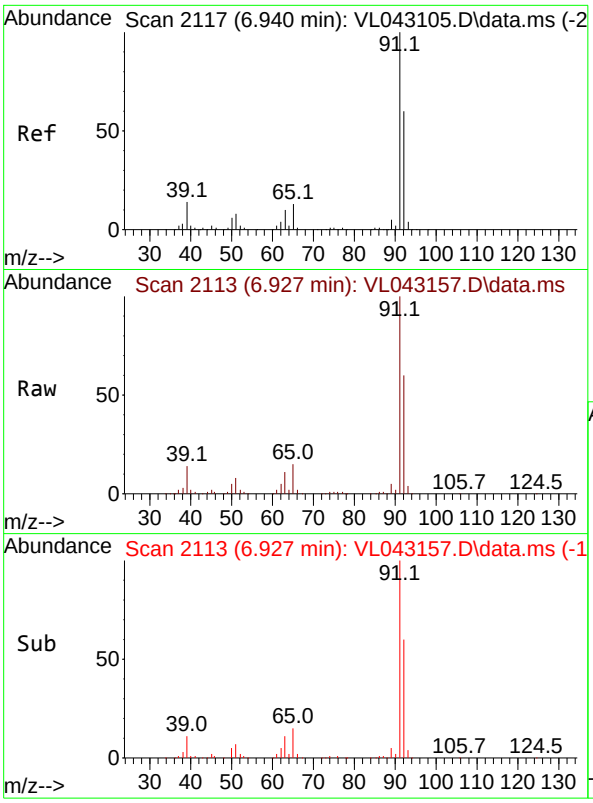


#52
Tetrachloroethene
Concen: 10.312 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:164 Resp: 119279

Ion	Ratio	Lower	Upper
164	100		
166	124.1	97.6	146.4
129	108.3	84.5	126.7
131	101.1	77.2	115.8



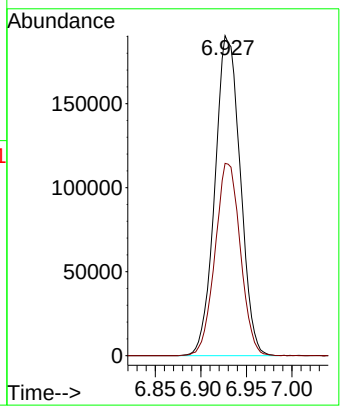


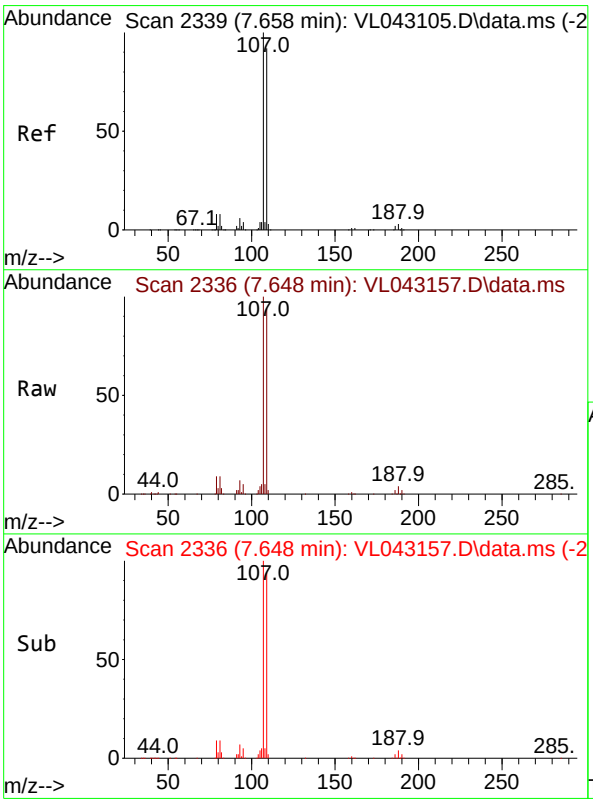
#53
Toluene
Concen: 9.679 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 91 Resp: 368487

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.8	73.2

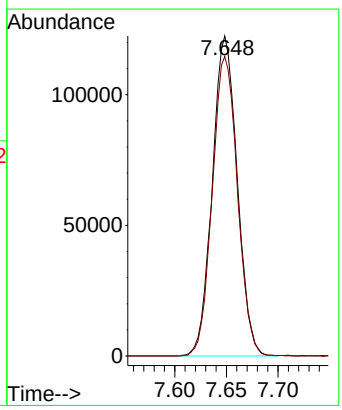


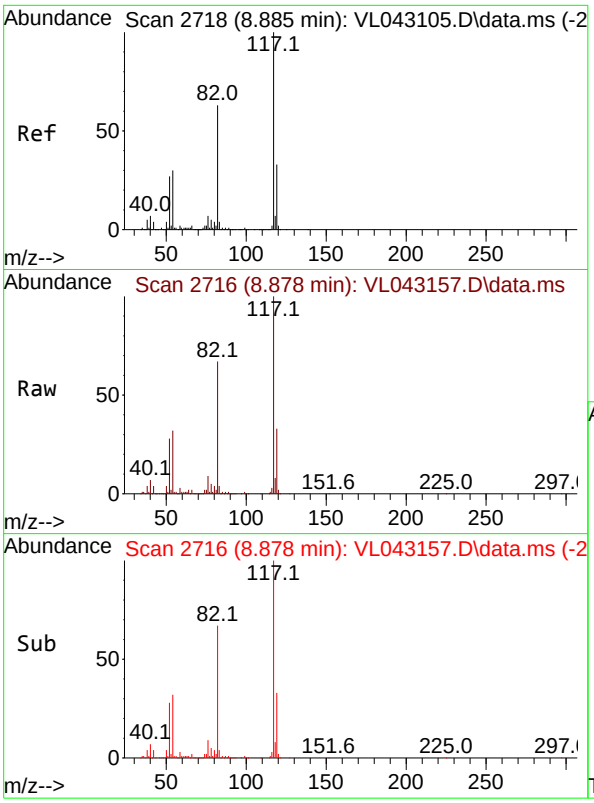


#54
1,2-Dibromoethane
Concen: 10.345 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:107 Resp: 205210

Ion	Ratio	Lower	Upper
107	100		
109	93.6	73.4	110.2



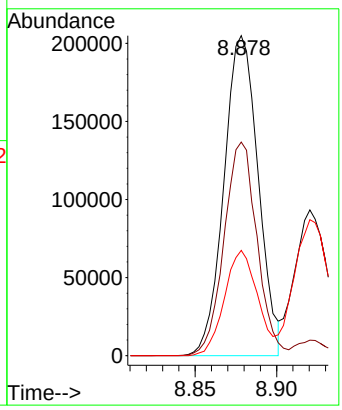


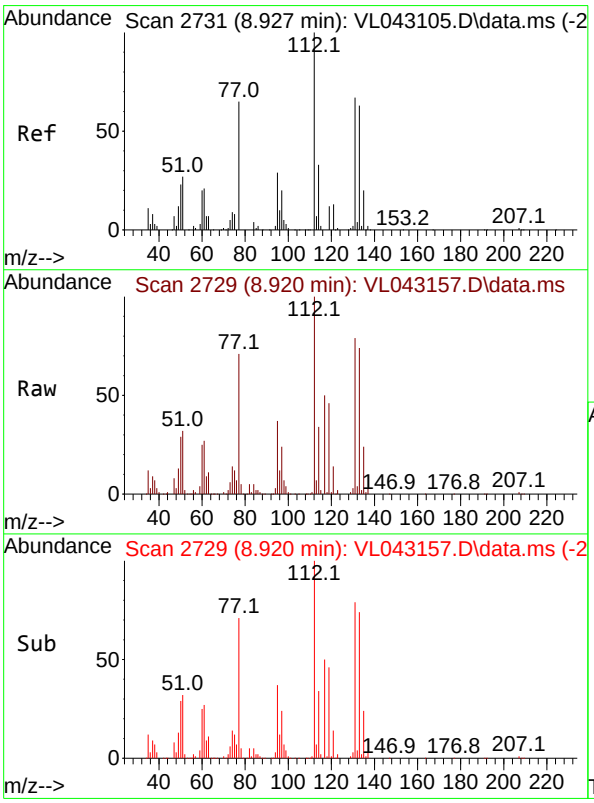
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:117 Resp: 299526

Ion	Ratio	Lower	Upper
117	100		
82	68.6	53.8	80.8
119	30.9	25.4	38.0

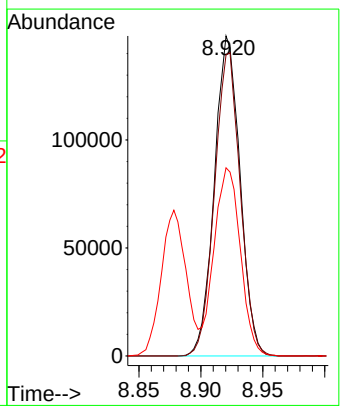


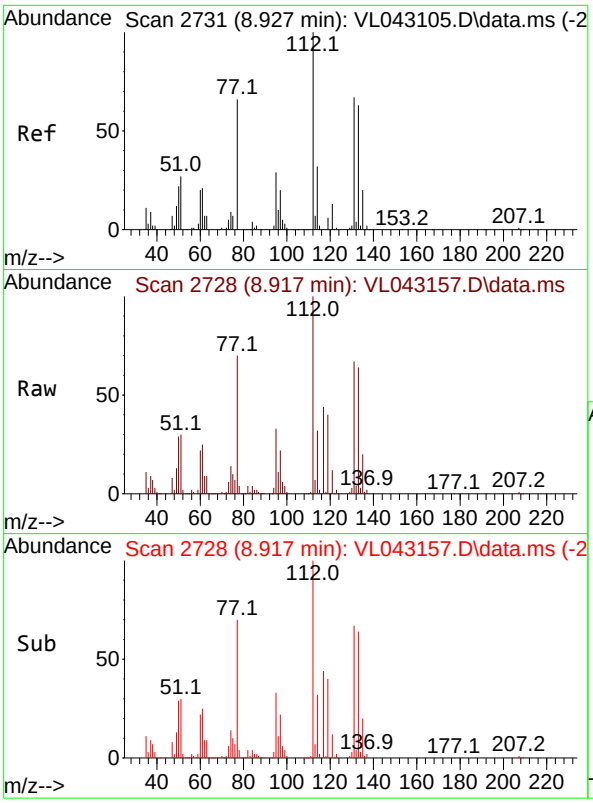


#56
1,1,1,2-Tetrachloroethane
Concen: 11.314 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:131 Resp: 213620

Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.7	113.5
119	60.9	50.6	76.0



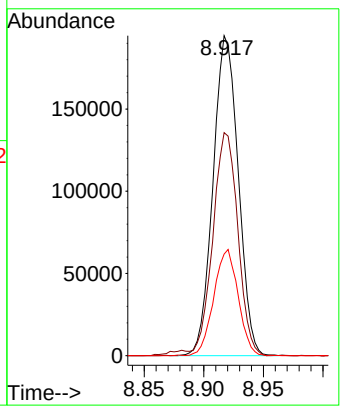


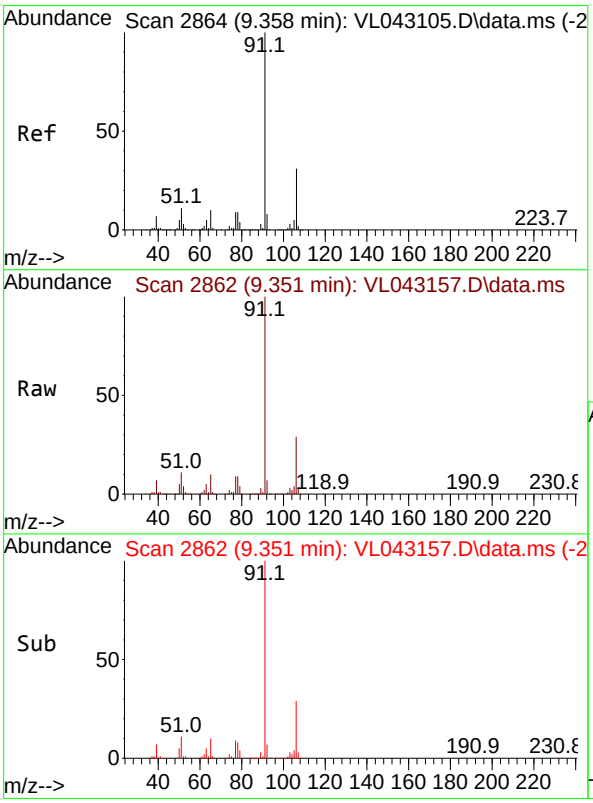
#57
Chlorobenzene
Concen: 10.219 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:112 Resp: 286347

Ion	Ratio	Lower	Upper
112	100		
77	69.7	53.3	79.9
114	31.7	29.3	35.8

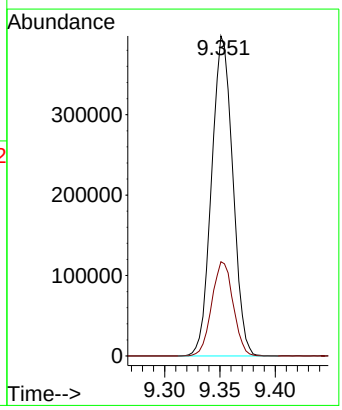


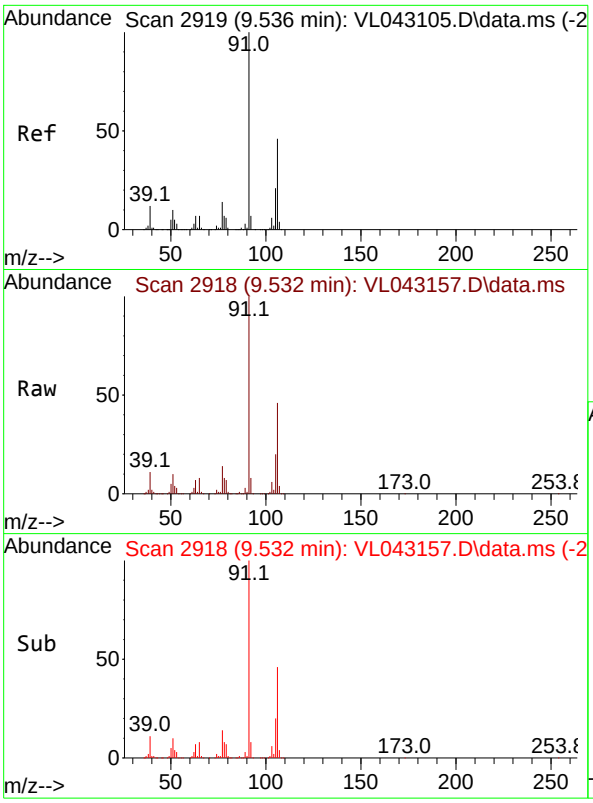


#58
Ethyl Benzene
Concen: 10.307 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 529847

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.8	37.2



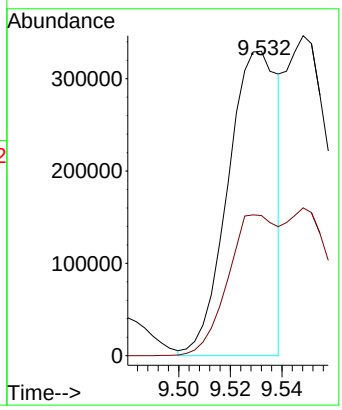


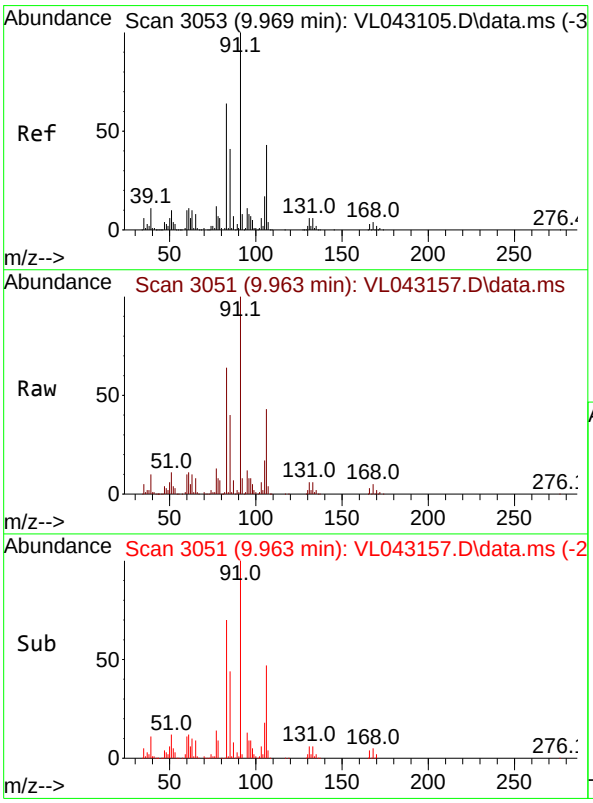
#59
m/p-Xylene
Concen: 10.774 ppbv
RT: 9.532 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 91 Resp: 441757

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.0	57.0#

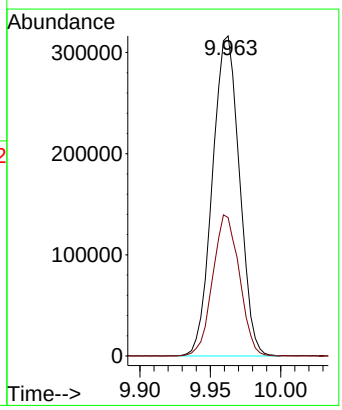


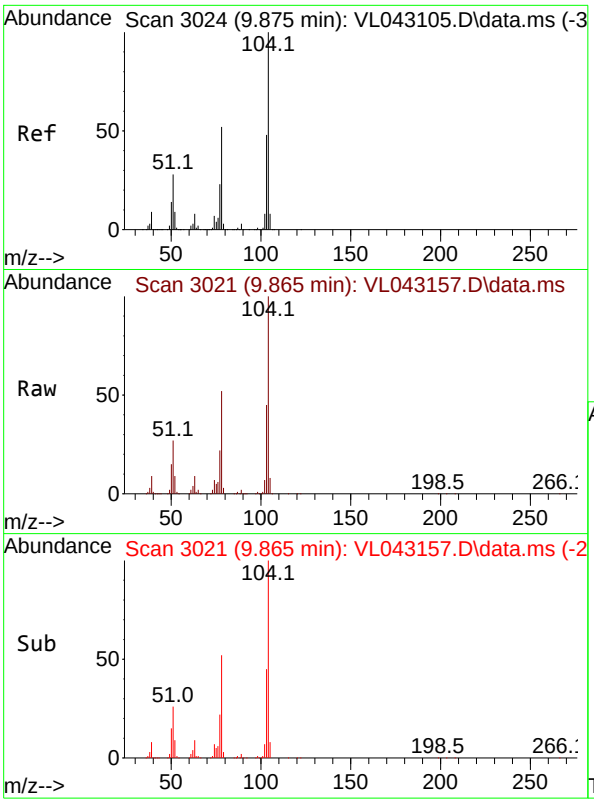


#60
o-Xylene
Concen: 10.442 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 422838

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.9	65.8



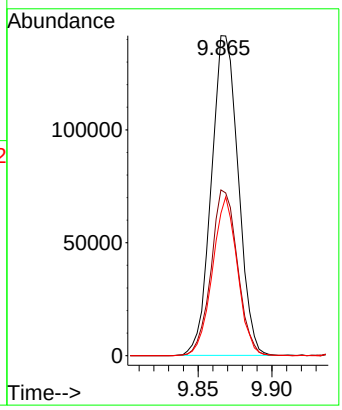


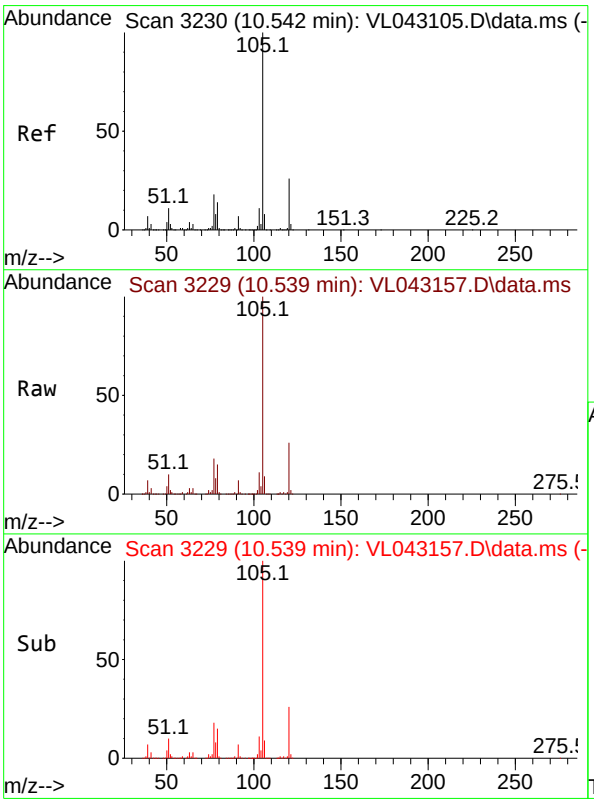
#61
Styrene
Concen: 9.802 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.010 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:104 Resp: 179195

Ion	Ratio	Lower	Upper
104	100		
78	51.2	40.2	60.2
103	46.3	36.9	55.3

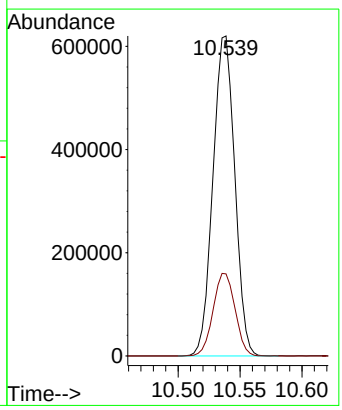


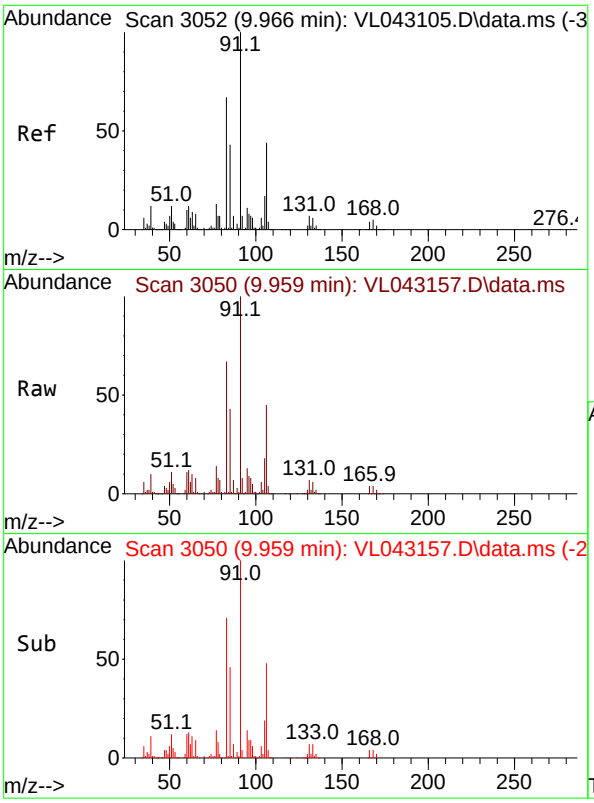


#62
Isopropylbenzene
Concen: 10.416 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 762154

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.2	30.4



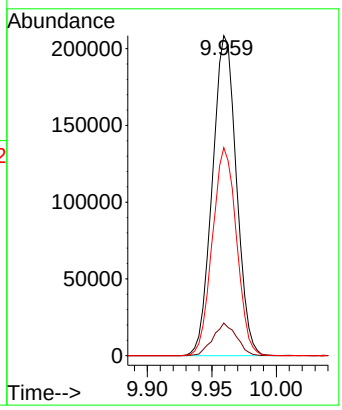


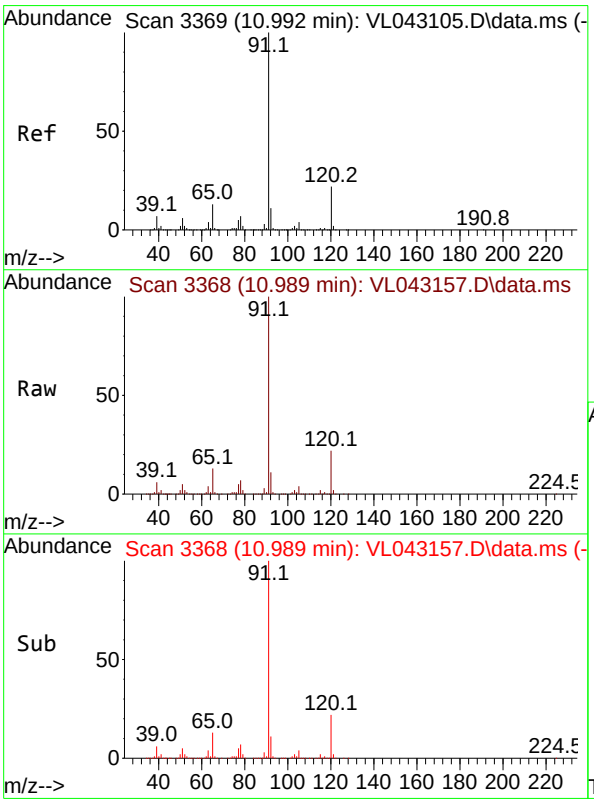
#63
1,1,2,2-Tetrachloroethane
Concen: 9.947 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 83 Resp: 269723

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	65.2	32.0	96.0

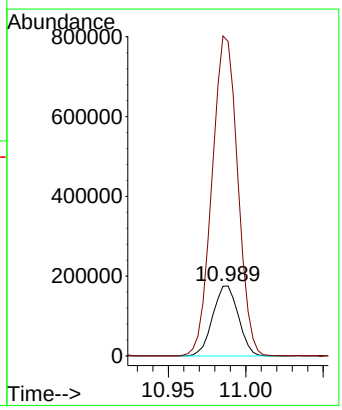


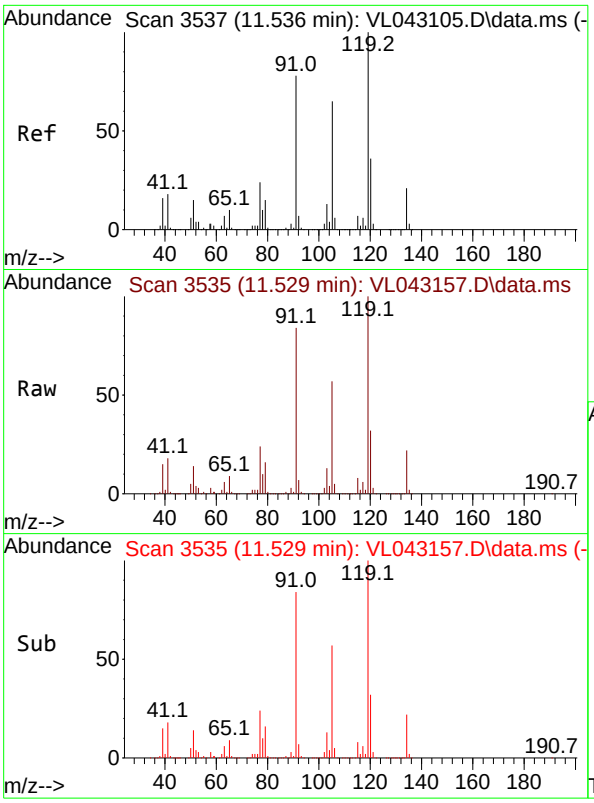


#64
n-propylbenzene
Concen: 10.424 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:120 Resp: 201938

Ion	Ratio	Lower	Upper
120	100		
91	458.0	361.6	542.4



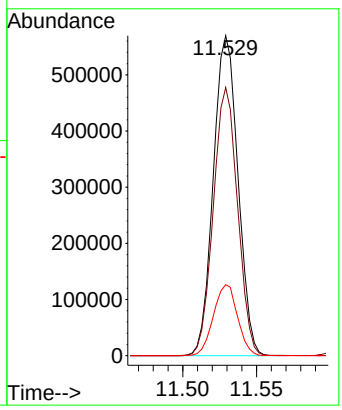


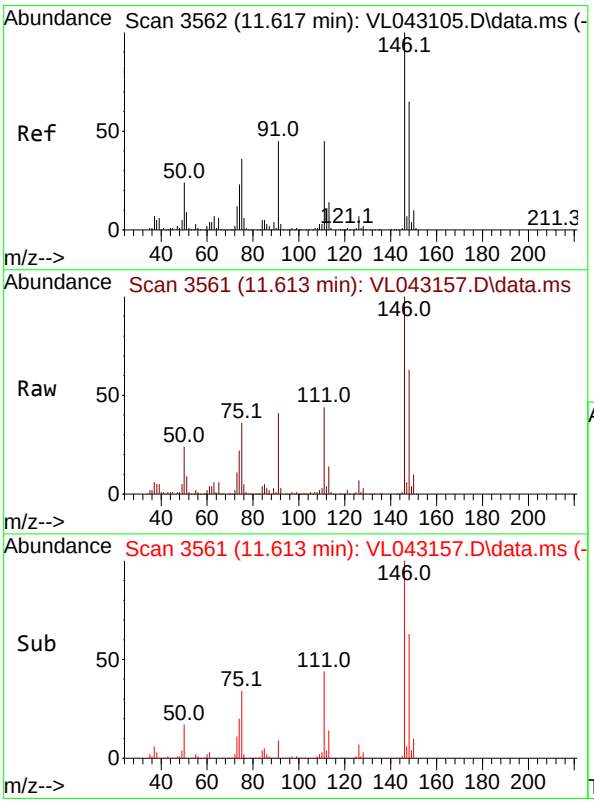
#65
tert-Butylbenzene
Concen: 10.254 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:119 Resp: 662570

Ion	Ratio	Lower	Upper
119	100		
91	82.4	63.4	95.0
134	21.7	17.3	25.9

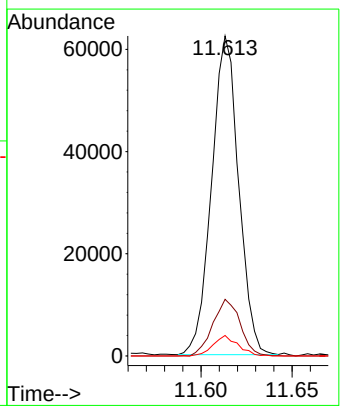


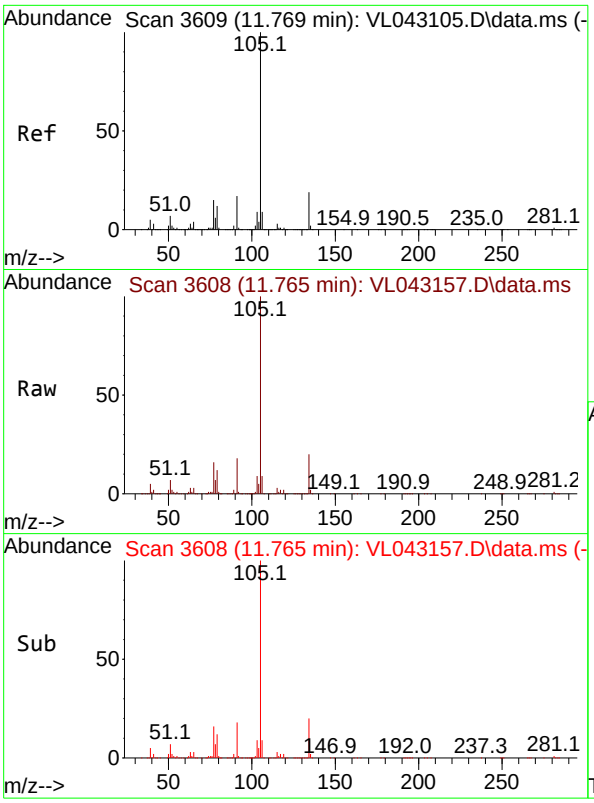


#66
Benzyl Chloride
Concen: 8.935 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 64257

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.6	22.0
128	5.9	4.6	6.8



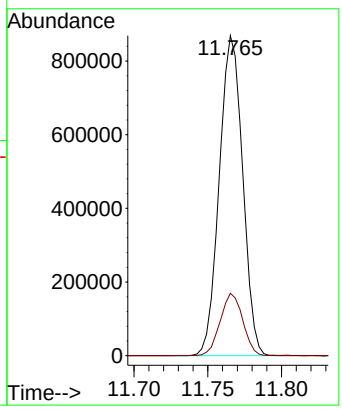


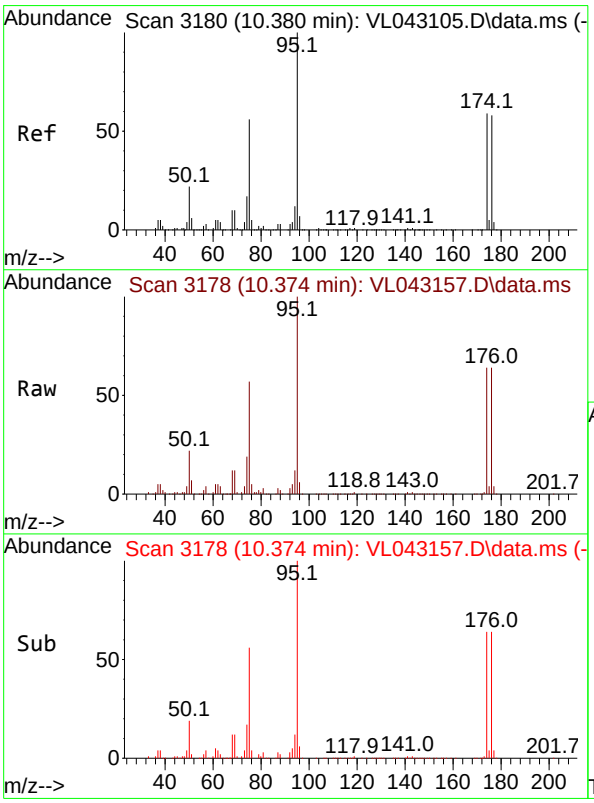
#67
sec-Butylbenzene
Concen: 10.438 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:105 Resp: 957255

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.5	23.3

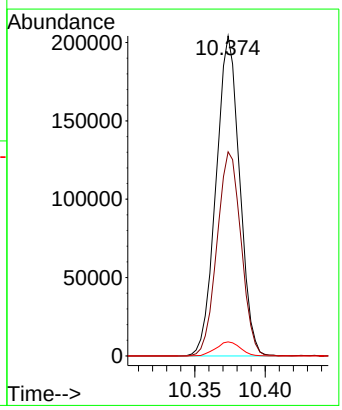


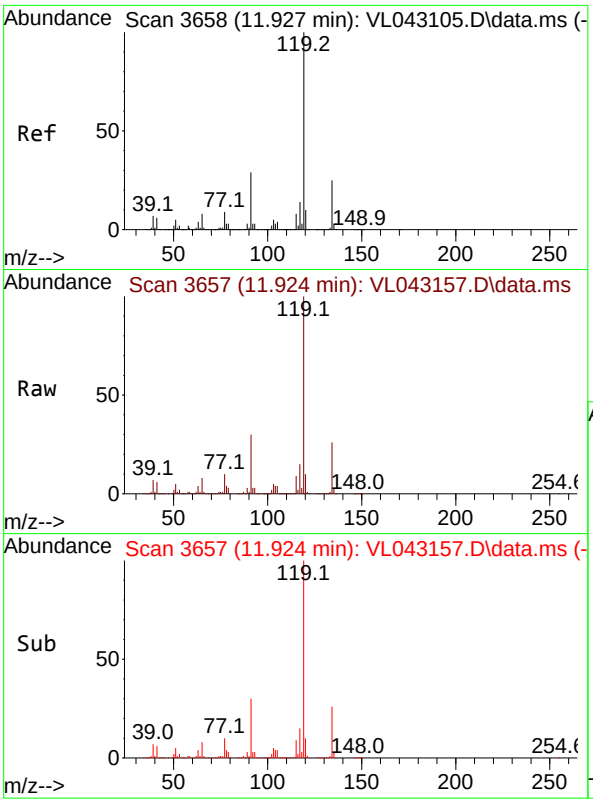


#68
1-Bromo-4-Fluorobenzene
Concen: 10.214 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 95 Resp: 237797

Ion	Ratio	Lower	Upper
95	100		
174	65.3	48.3	72.5
175	4.6	3.8	5.8



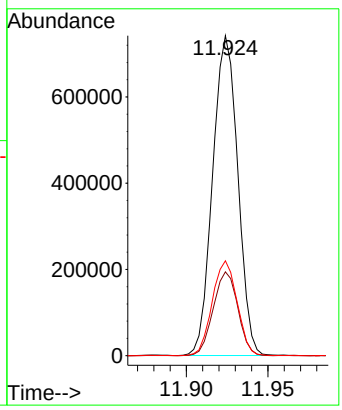


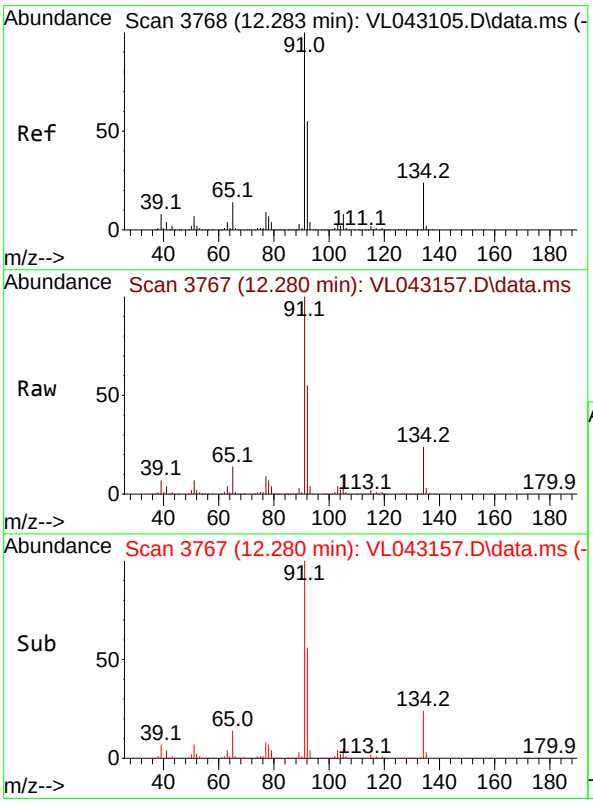
#69
p-Isopropyltoluene
Concen: 10.205 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:119 Resp: 795241

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.3	30.5
91	29.5	22.6	33.8

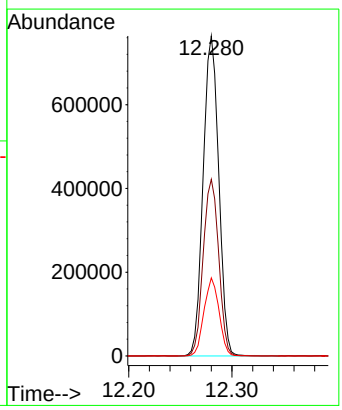


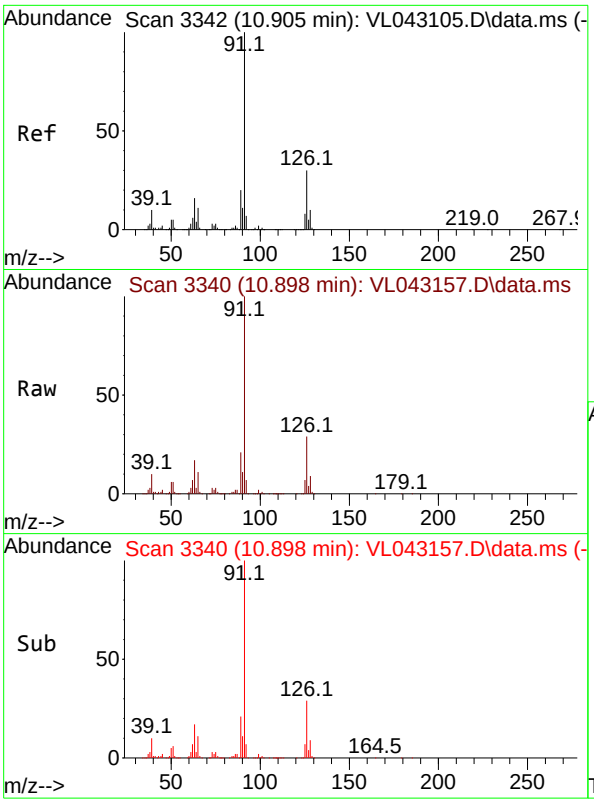


#70
n-Butylbenzene
Concen: 10.392 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion: 91 Resp: 798019

Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.5	66.7
134	23.6	19.3	28.9



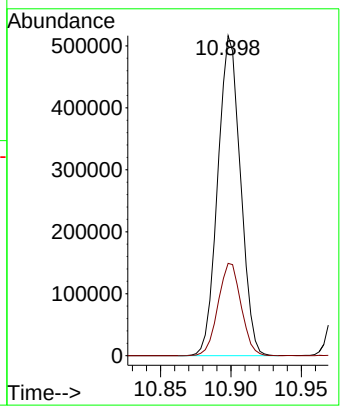


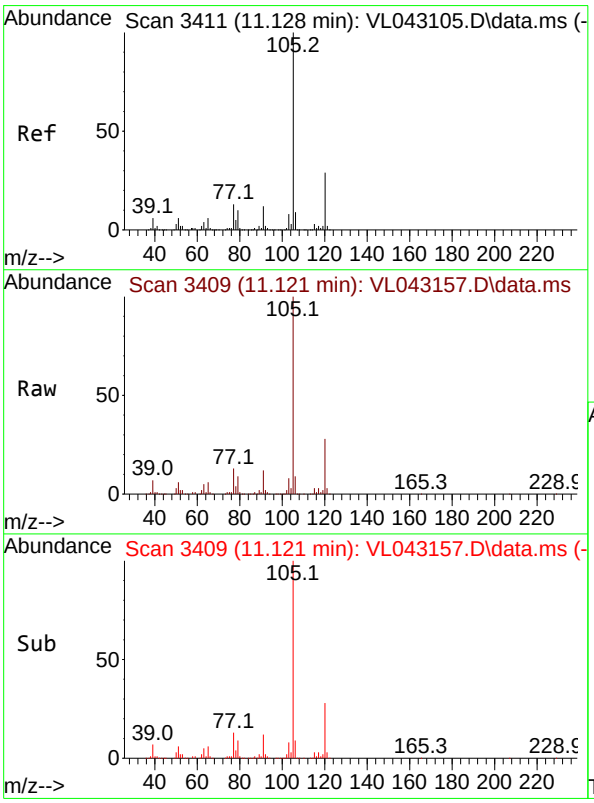
#71
2-Chlorotoluene
Concen: 10.386 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion: 91 Resp: 579642

Ion	Ratio	Lower	Upper
91	100		
126	29.3	12.0	48.0

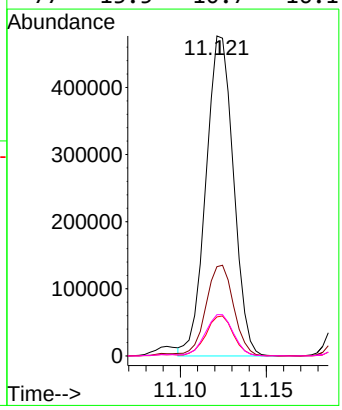


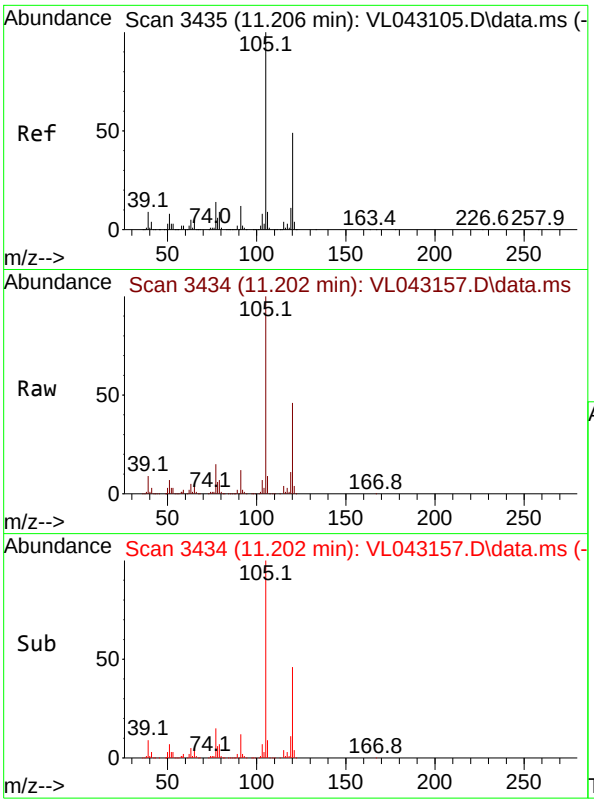


#72
4-Ethyltoluene
Concen: 10.660 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 530791

Ion	Ratio	Lower	Upper
105	100		
120	29.2	24.2	36.4
91	12.7	10.0	15.0
77	13.5	10.7	16.1



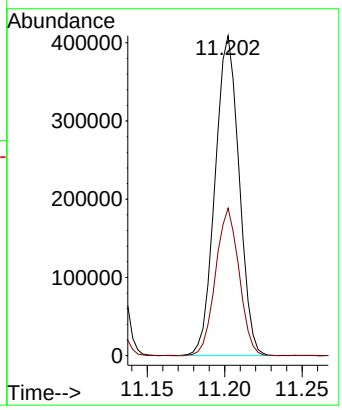


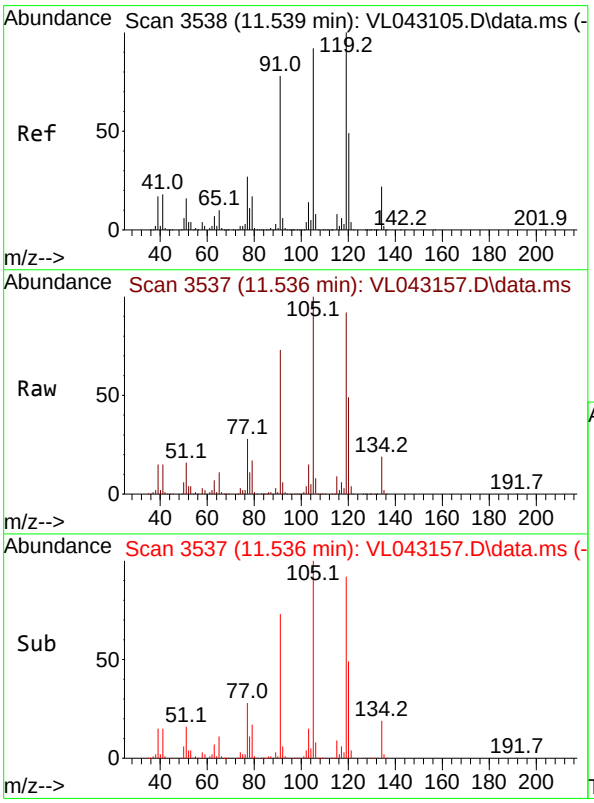
#73
1,3,5-Trimethylbenzene
Concen: 10.731 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:105 Resp: 440663

Ion	Ratio	Lower	Upper
105	100		
120	46.1	39.0	58.6

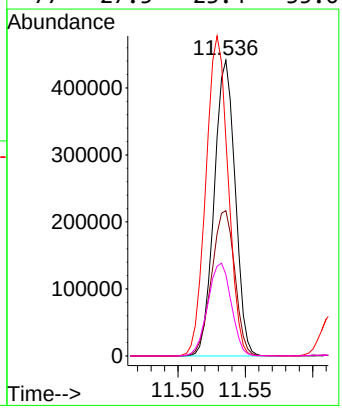


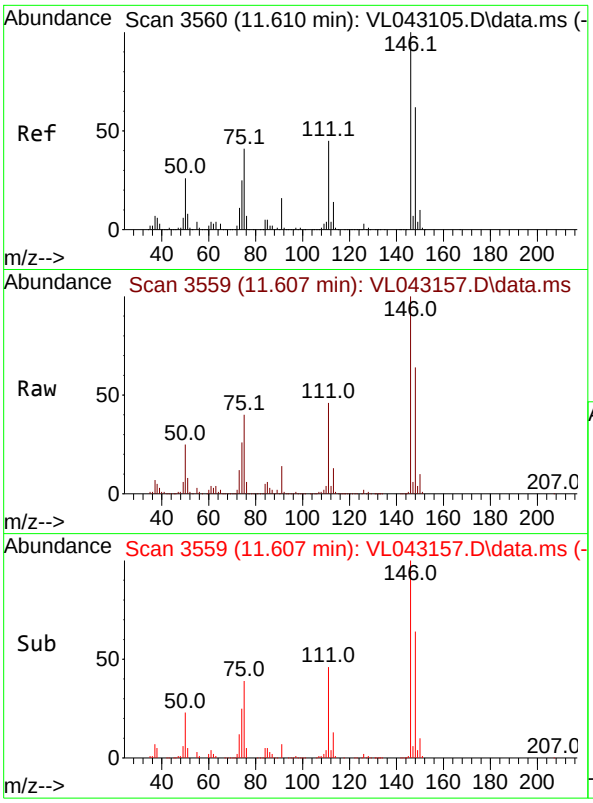


#74
1,2,4-Trimethylbenzene
Concen: 10.390 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:105 Resp: 477453

Ion	Ratio	Lower	Upper
105	100		
120	49.1	42.8	64.2
91	73.4	68.3	102.5
77	27.5	23.4	35.0



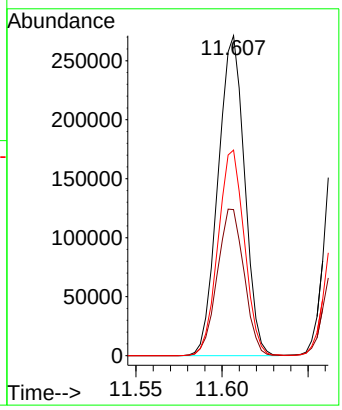


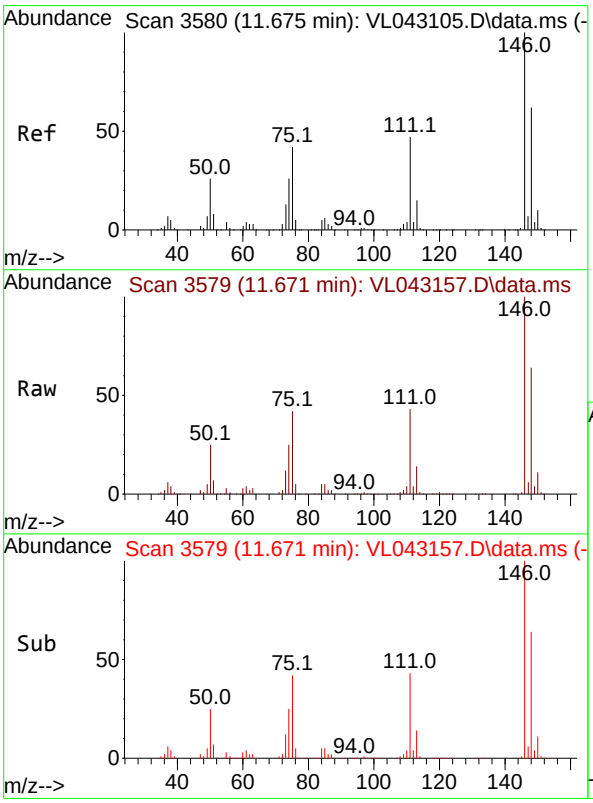
#75
1,3-Dichlorobenzene
Concen: 10.894 ppbv
RT: 11.607 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:146 Resp: 290341

Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.3	69.9
148	63.9	31.6	95.0

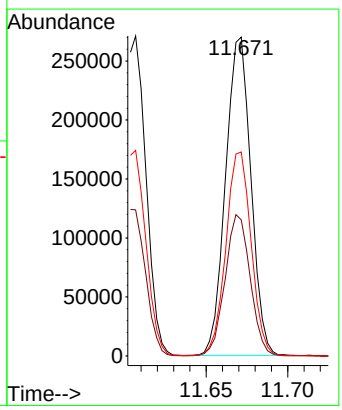


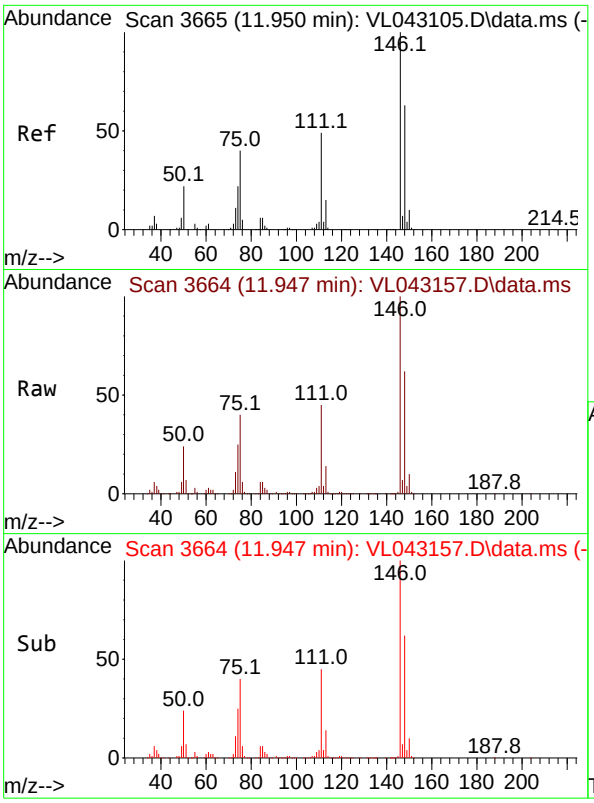


#76
1,4-Dichlorobenzene
Concen: 10.843 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:146 Resp: 291409

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.4	67.0
148	64.0	31.6	94.7



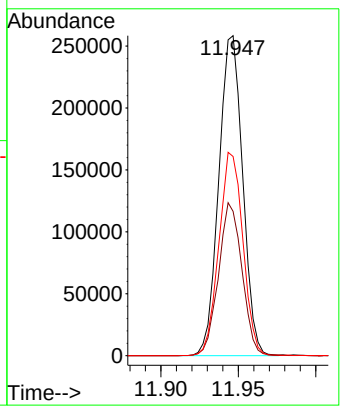


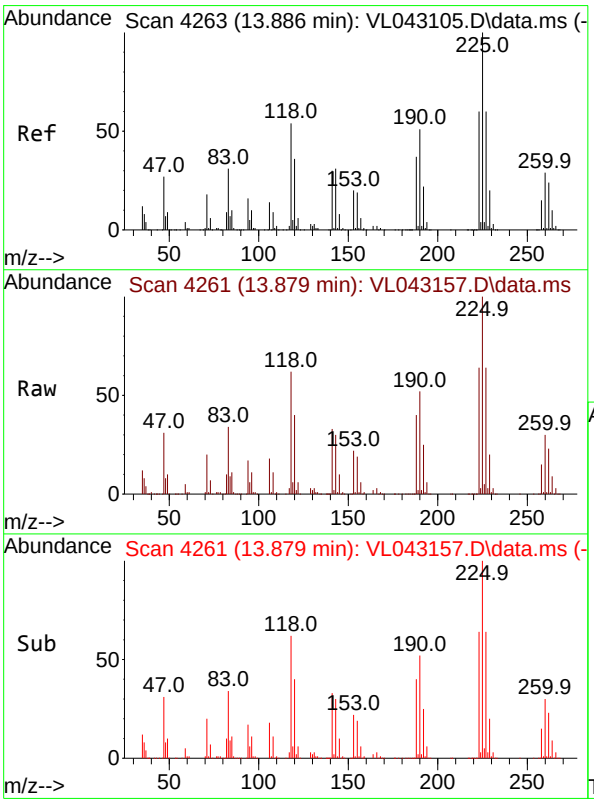
#77
1,2-Dichlorobenzene
Concen: 10.728 ppbv
RT: 11.947 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:146 Resp: 276598

Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.0	72.0
148	64.1	31.1	93.3

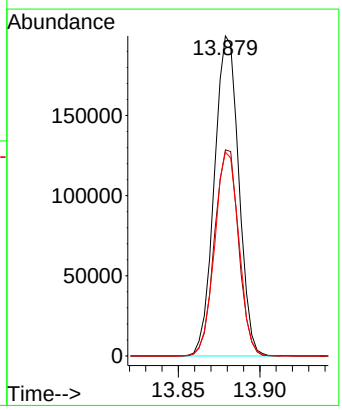


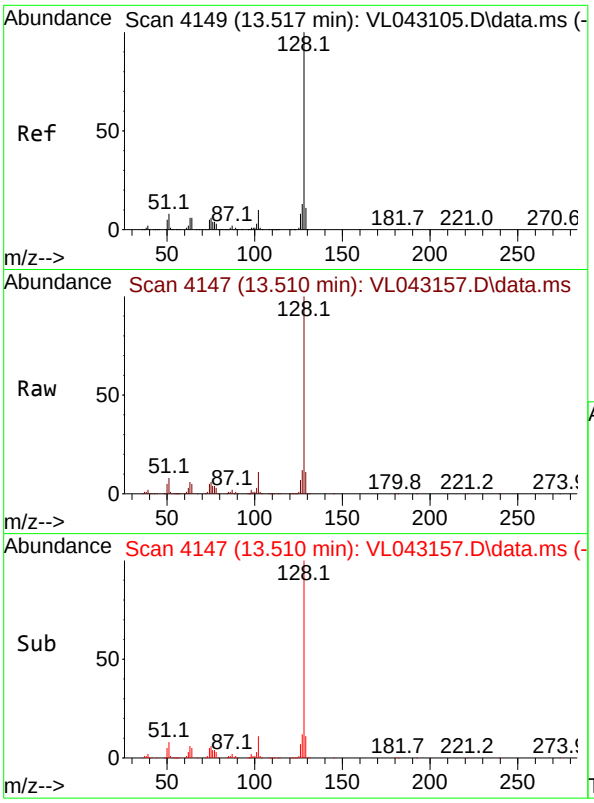


#78
Hexachloro-1,3-Butadiene
Concen: 10.393 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:225 Resp: 207474

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.2	75.4
227	63.3	49.6	74.4



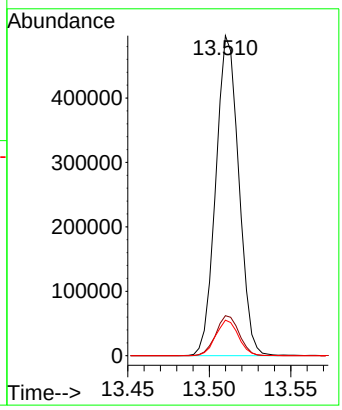


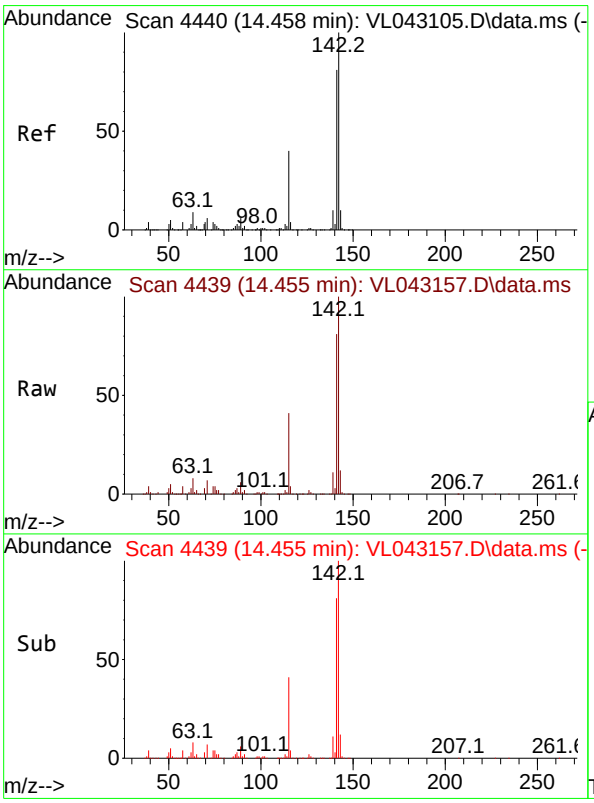
#79
Naphthalene
Concen: 10.127 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:128 Resp: 486413

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	11.1	9.1	13.7

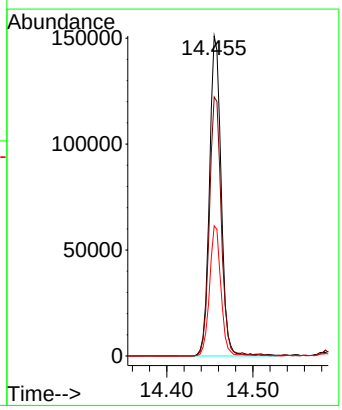


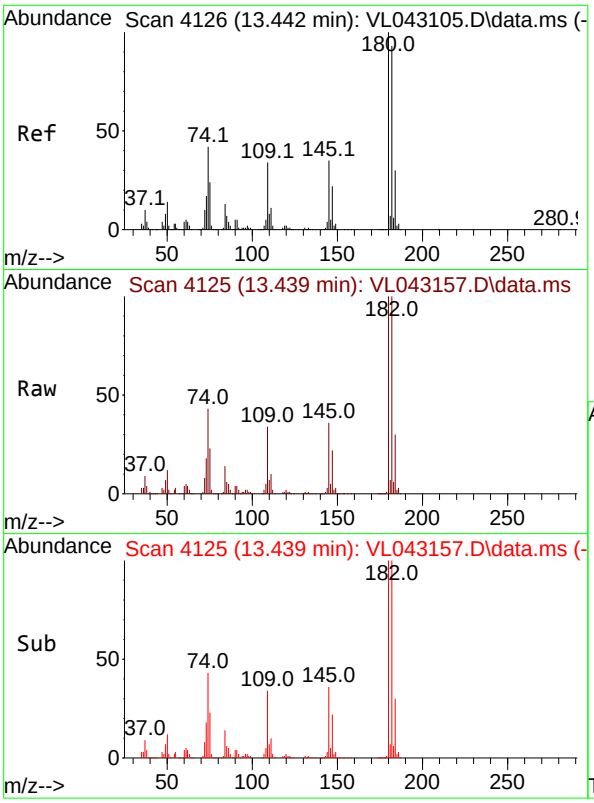


#80
Naphthalene,2-methyl-
Concen: 11.387 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Tgt Ion:142 Resp: 142500

Ion	Ratio	Lower	Upper
142	100		
141	83.2	64.6	97.0
115	40.0	30.2	45.4



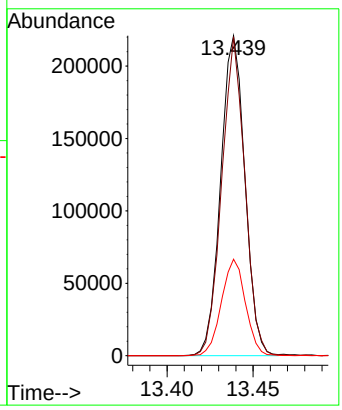


#81
1,2,4-Trichlorobenzene
Concen: 10.849 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.004 min
Lab File: VL043157.D
Acq: 06 Nov 2025 08:45

Instrument :
MSVOA_L
ClientSampleId :
VL1106ABS01

Tgt Ion:180 Resp: 216292

Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.5	113.3
184	29.9	23.9	35.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043159.D
Acq On : 06 Nov 2025 10:17
Operator : SY/MD
Sample : Q3555-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Quant Time: Nov 07 00:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	118024	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	354784	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	303947	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	238666	10.102	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	7609	0.453	ppbv		94
3) Chlorodifluoromethane	1.625	51	552	0.030	ppbv		100
4) Chloromethane	1.534	50	2577	0.388	ppbv		98
9) Propene	1.489	41	3944	0.490	ppbv		85
10) Heptane	4.985	43	1039	0.045	ppbv	#	27
11) Trichlorofluoromethane	1.881	101	5437	0.331	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.146	101	1161	0.088	ppbv		99
13) Ethanol	1.722	45	124950	41.954	ppbv		96
15) Acetone	1.839	43	97541	6.132	ppbv		95
16) 1,3-Butadiene	1.602	39	908	0.120	ppbv	#	13
17) tert-Butyl alcohol	1.887	59	10088	0.462	ppbv		97
19) Isopropyl Alcohol	1.887	45	278208	28.080	ppbv	#	37
20) Methylene Chloride	2.065	84	3186	0.507	ppbv		96
21) Allyl Chloride	2.084	41	933	0.080	ppbv	#	45
23) Vinyl Acetate	2.476	43	12803	0.549	ppbv	#	59
25) Ethyl Acetate	2.832	43	18936	0.480	ppbv	#	93
26) Hexane	2.832	57	18040	0.992	ppbv	#	56
29) Chloroform	2.848	83	16144	0.613	ppbv		93
30) Cyclohexane	3.861	84	508	0.032	ppbv	#	1
34) 2-Butanone	2.560	43	6502	0.273	ppbv		99
35) Carbon Tetrachloride	3.768	117	2069	0.081	ppbv	#	93
36) Benzene	3.658	78	3482	0.104	ppbv		97
37) 1,2-Dichloroethane	3.221	62	4176	0.217	ppbv		96
39) 1,2-Dichloropropane	3.962	63	89086	7.292	ppbv	#	26
41) Tetrahydrofuran	3.062	42	462	0.035	ppbv	#	37
44) 2,2,4-Trimethylpentane	4.648	57	2264	0.040	ppbv	#	1
53) Toluene	6.936	91	20621	0.520	ppbv		95
58) Ethyl Benzene	9.357	91	2454	0.047	ppbv		94
59) m/p-Xylene	9.532	91	8752	0.210	ppbv	#	82
60) o-Xylene	9.966	91	4326	0.105	ppbv		98
61) Styrene	9.872	104	1372	0.074	ppbv	#	79
74) 1,2,4-Trimethylbenzene	11.535	105	3636	0.078	ppbv	#	58

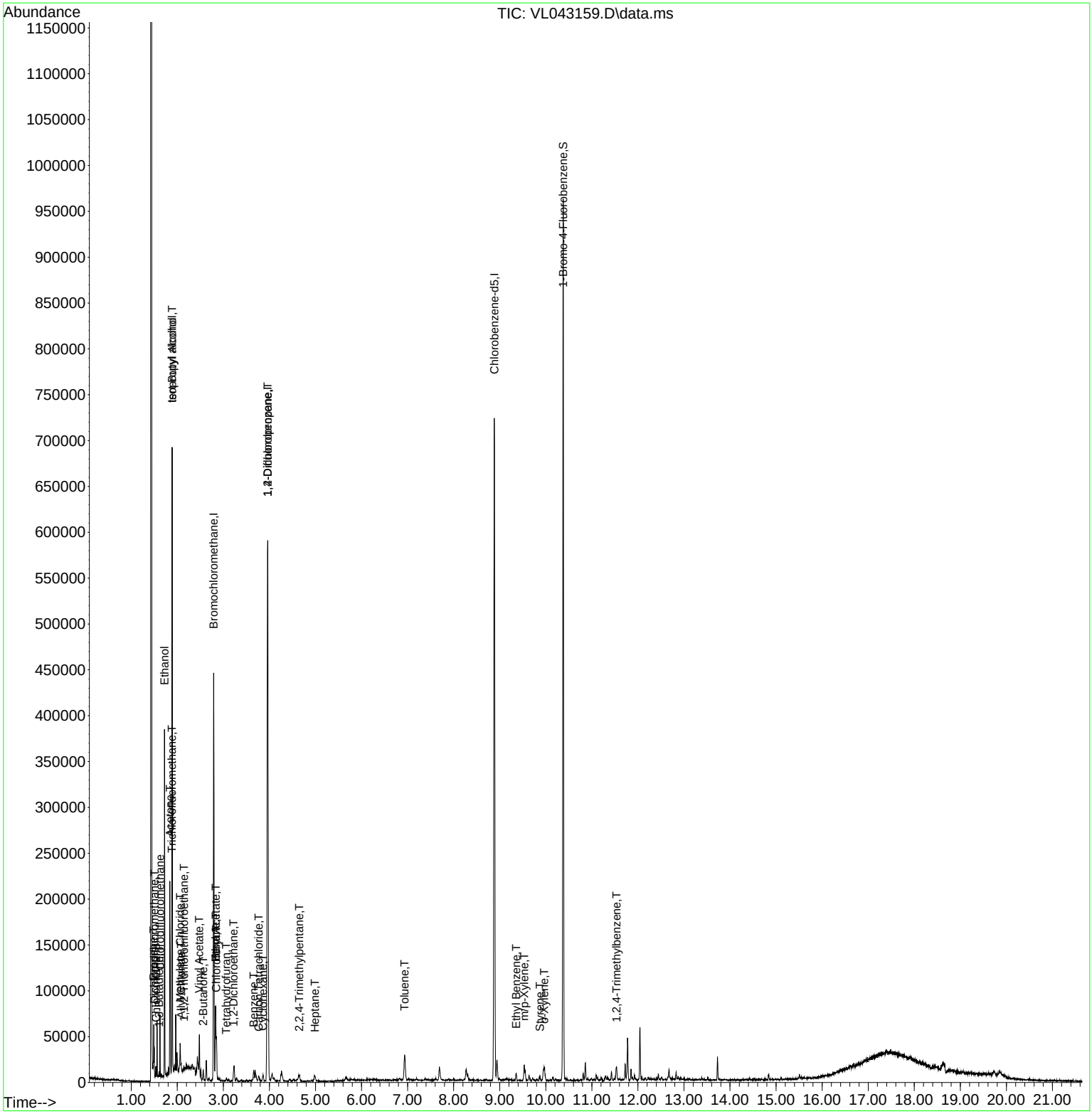
(#) = qualifier out of range (m) = manual integration (+) = signals summed

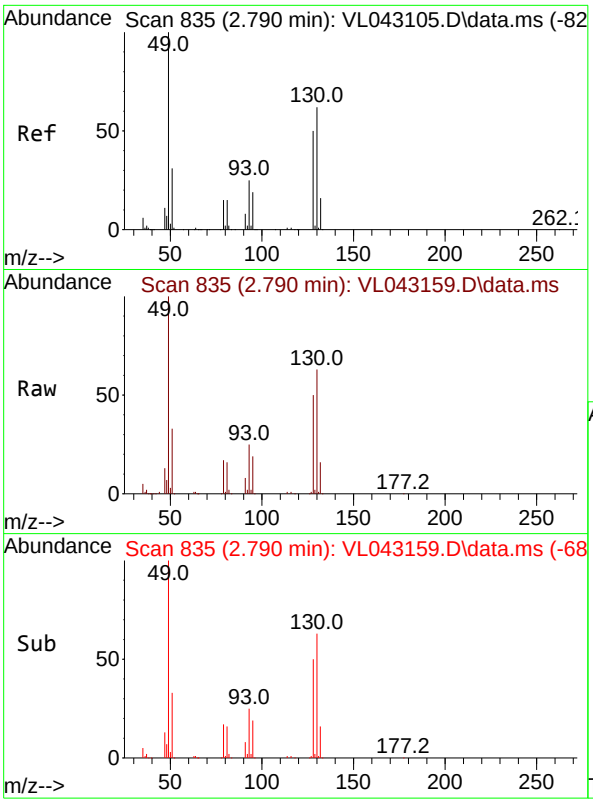
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043159.D
Acq On : 06 Nov 2025 10:17
Operator : SY/MD
Sample : Q3555-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Quant Time: Nov 07 00:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



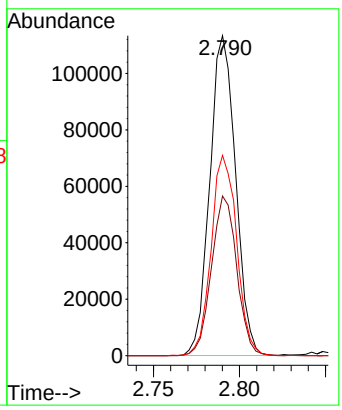


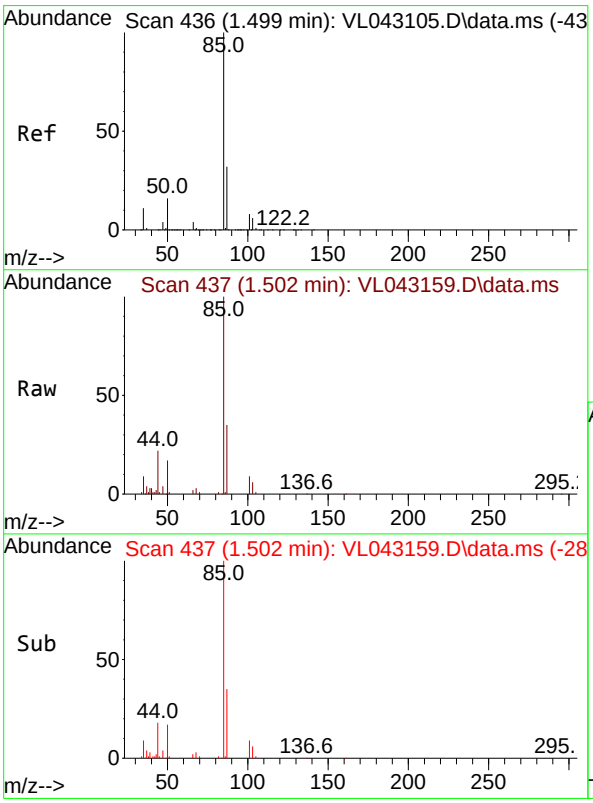
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 49 Resp: 118024

Ion	Ratio	Lower	Upper
49	100		
128	49.1	24.4	73.4
130	62.2	31.0	93.0

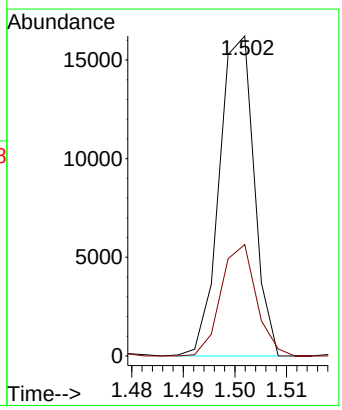


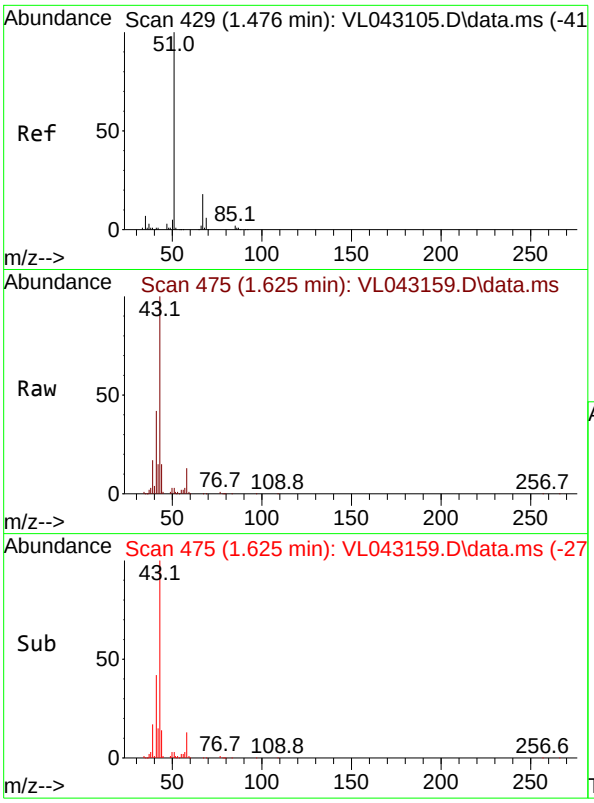


#2
Dichlorodifluoromethane
Concen: 0.453 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 85 Resp: 7609

Ion	Ratio	Lower	Upper
85	100		
87	34.8	25.3	37.9



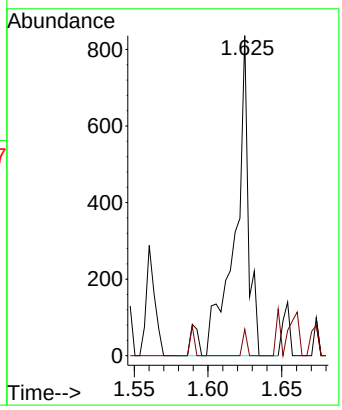


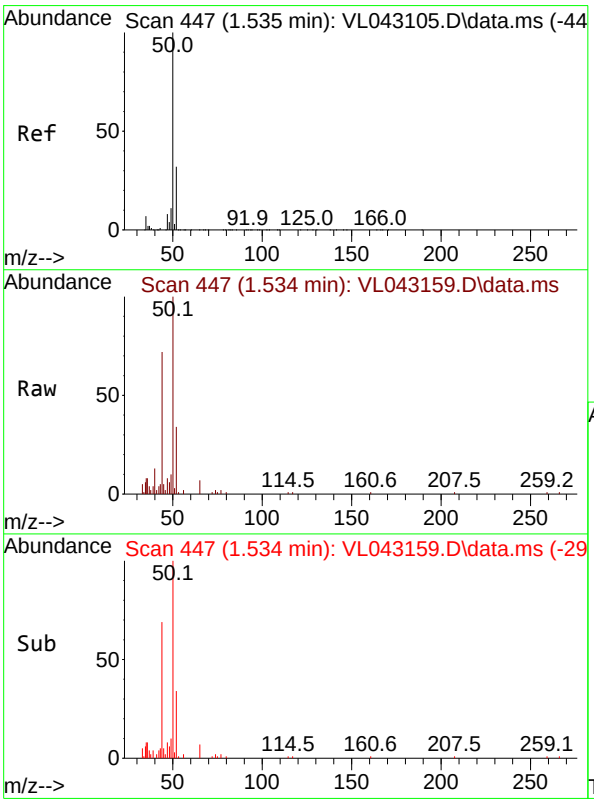
#3
Chlorodifluoromethane
Concen: 0.030 ppbv
RT: 1.625 min Scan# 4
Delta R.T. 0.149 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 51 Resp: 552

Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.1	22.7

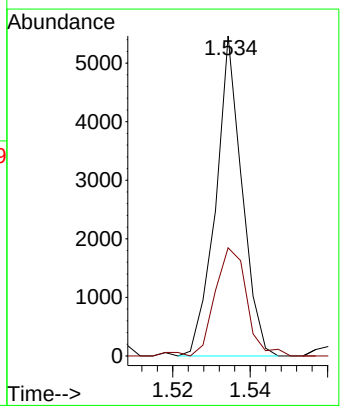


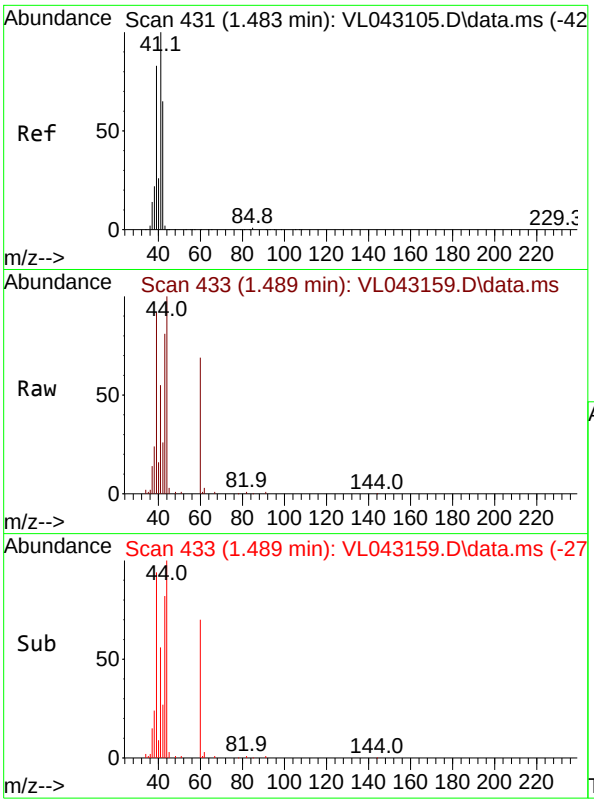


#4
Chloromethane
Concen: 0.388 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 50 Resp: 2577

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.2	37.8



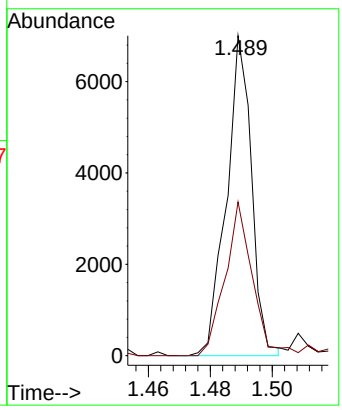


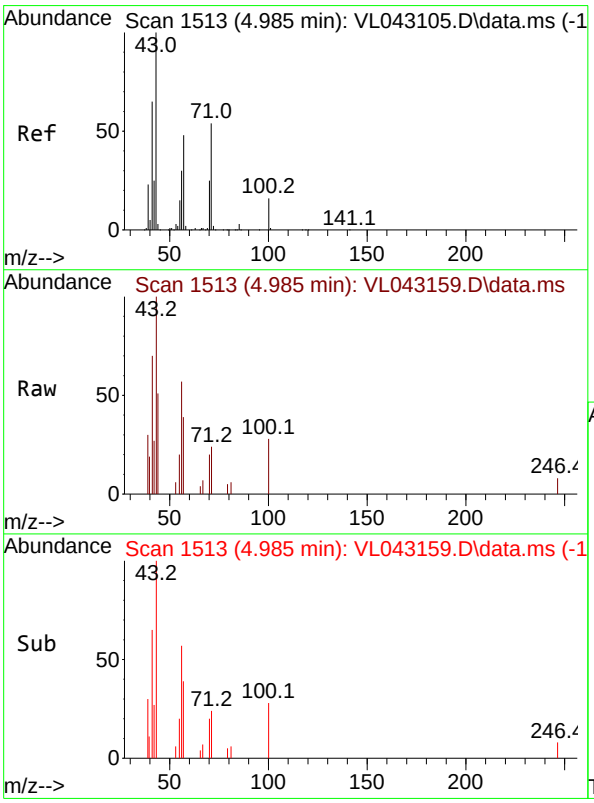
#9
Propene
Concen: 0.490 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 41 Resp: 3944

Ion	Ratio	Lower	Upper
41	100		
42	56.6	55.1	82.7

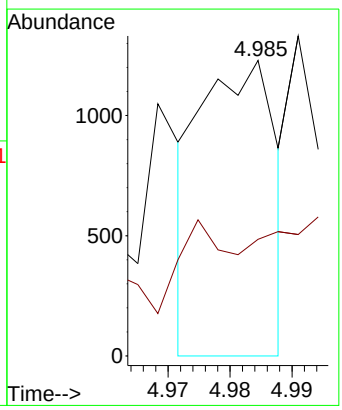


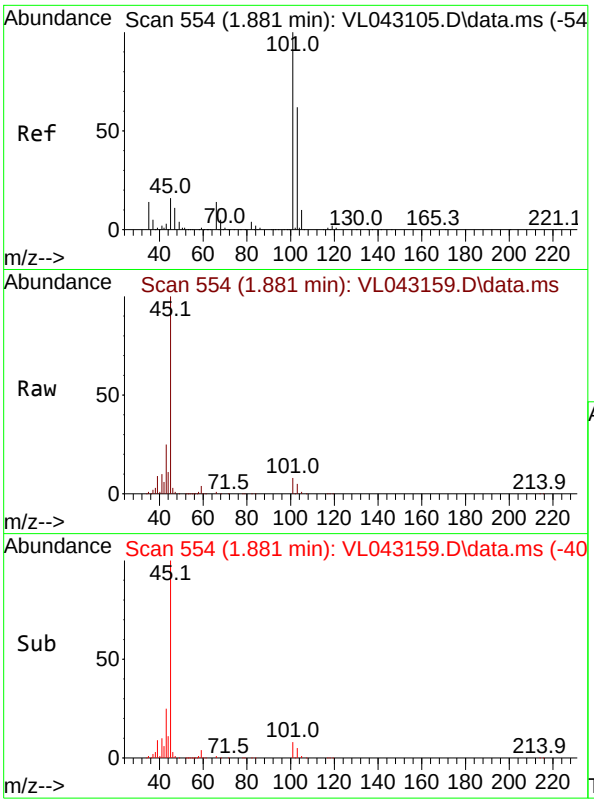


#10
Heptane
Concen: 0.045 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 43 Resp: 1039

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.8	61.2#



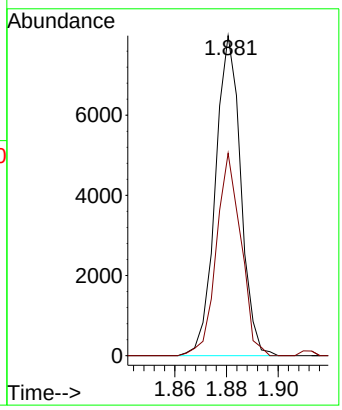


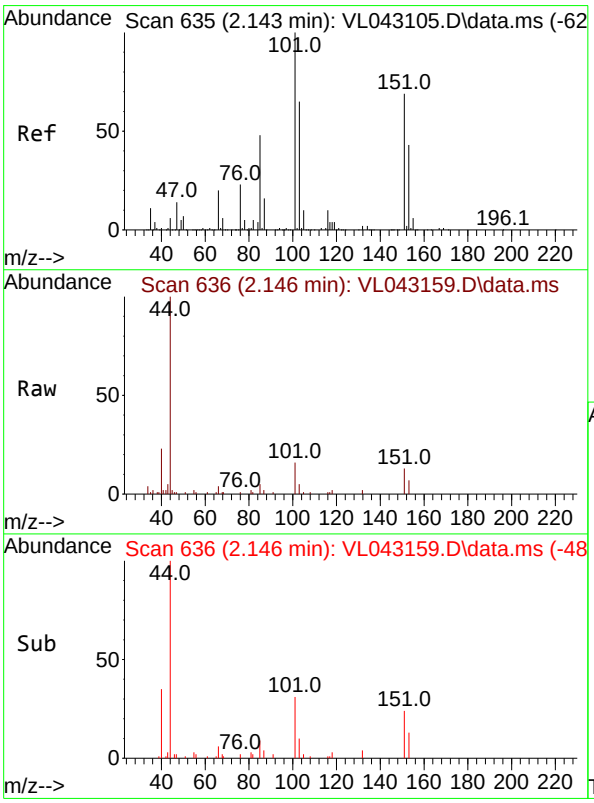
#11
Trichlorofluoromethane
Concen: 0.331 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion:101 Resp: 5437

Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.3	73.9

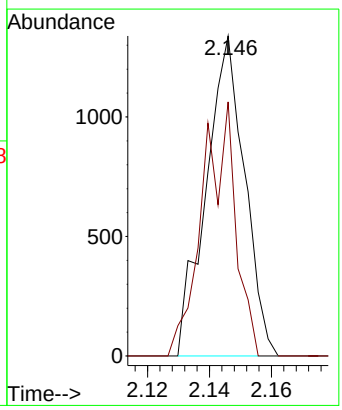


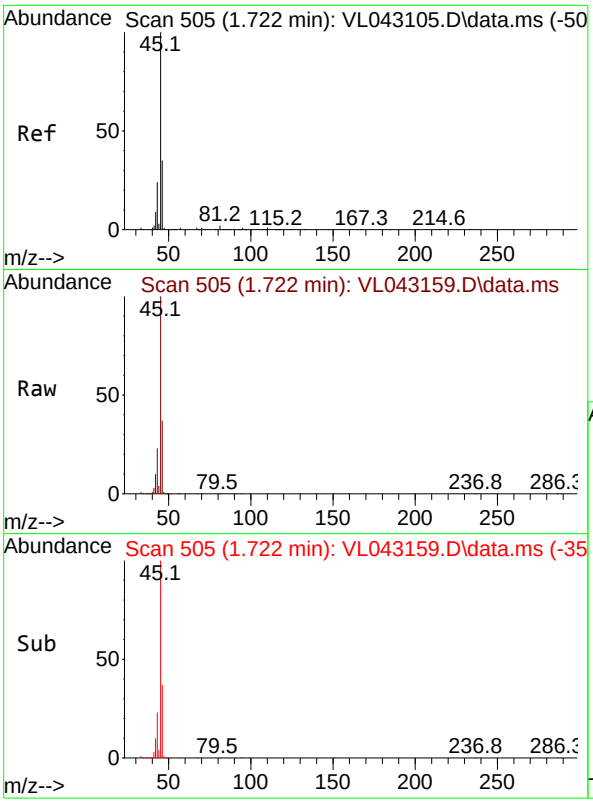


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.088 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion:101 Resp: 1161

Ion	Ratio	Lower	Upper
101	100		
151	67.8	54.7	82.1



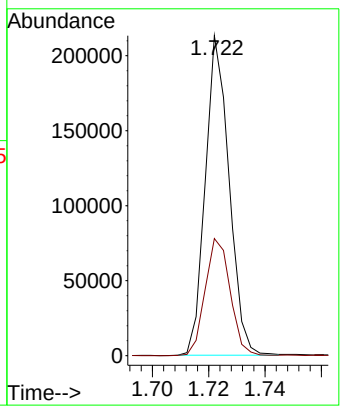


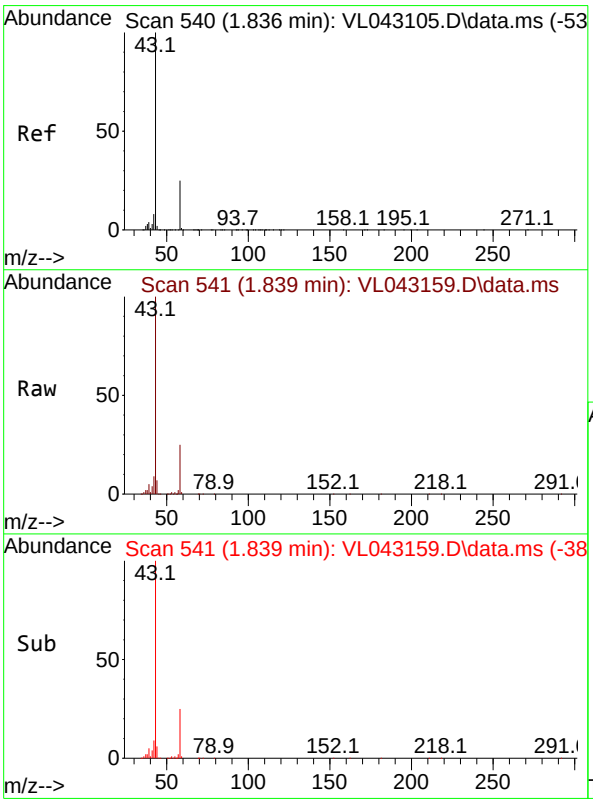
#13
Ethanol
Concen: 41.954 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 45 Resp: 124950

Ion	Ratio	Lower	Upper
45	100		
46	39.0	14.7	58.9

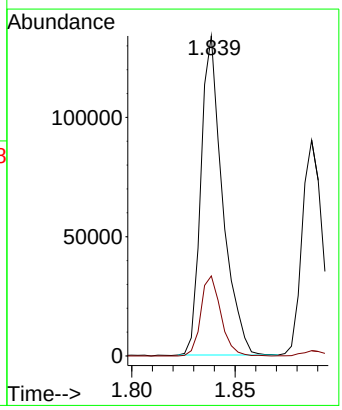


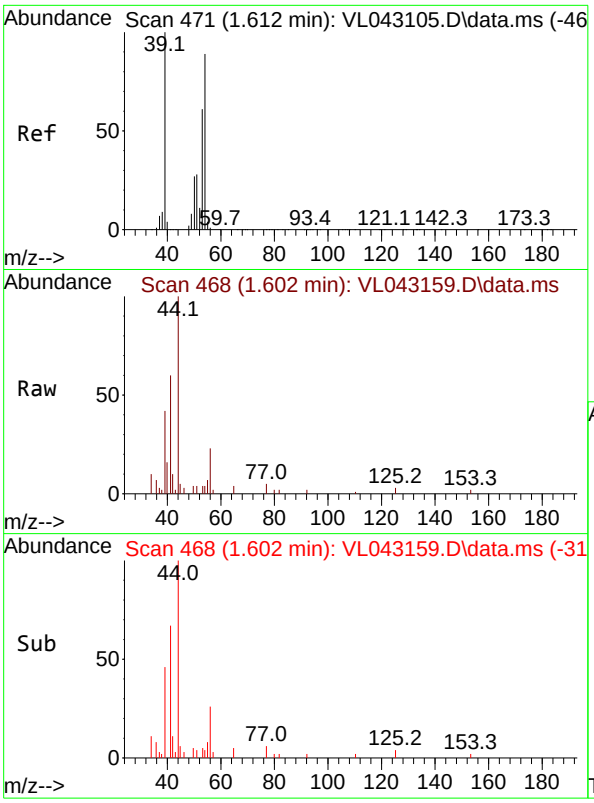


#15
Acetone
Concen: 6.132 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 43 Resp: 97541

Ion	Ratio	Lower	Upper
43	100		
58	23.2	20.8	31.2



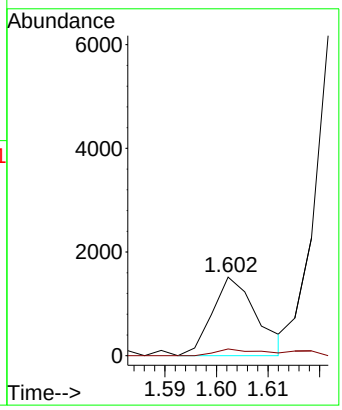


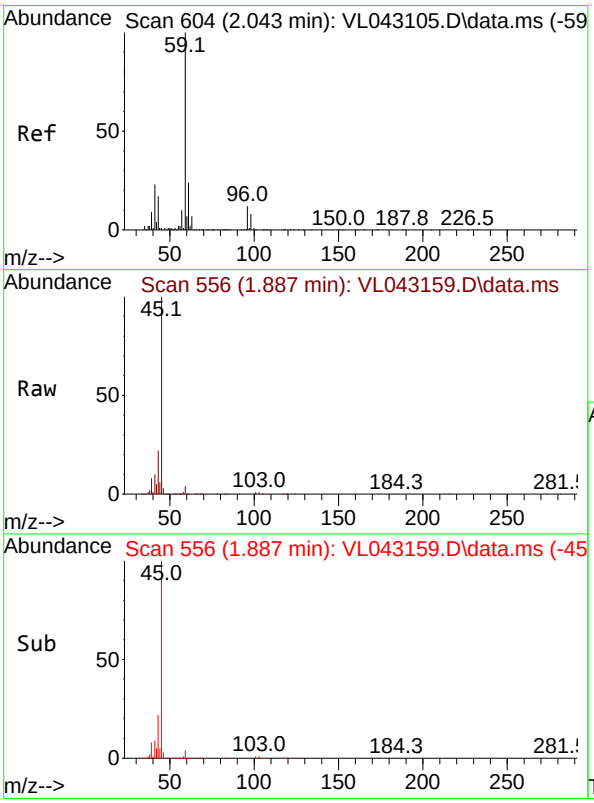
#16
1,3-Butadiene
Concen: 0.120 ppbv
RT: 1.602 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 39 Resp: 908

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.0	88.4#

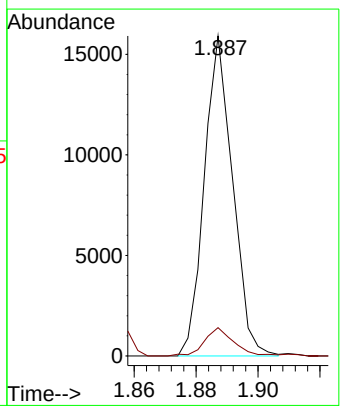


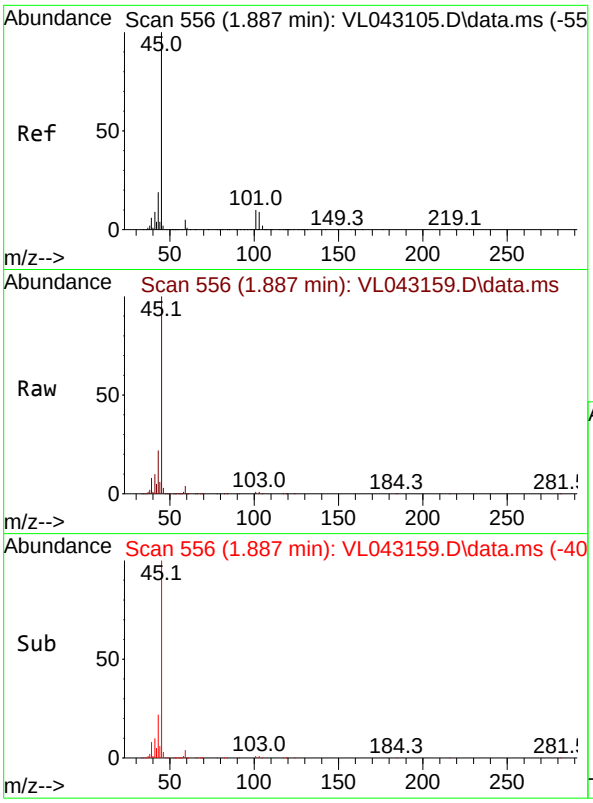


#17
tert-Butyl alcohol
Concen: 0.462 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.156 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 59 Resp: 10088

Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.2	12.4



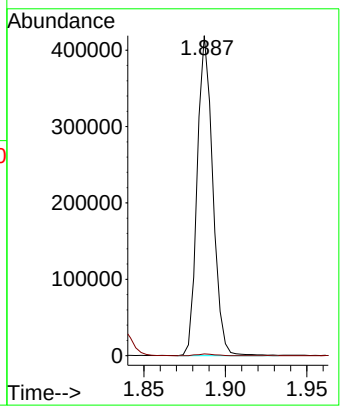


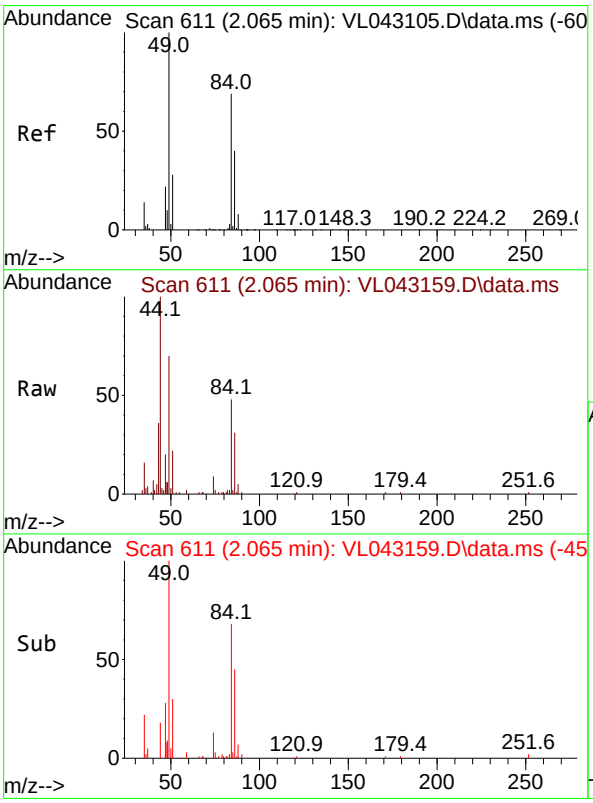
#19
Isopropyl Alcohol
Concen: 28.080 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 45 Resp: 278208

Ion	Ratio	Lower	Upper
45	100		
58	0.6	31.3	46.9#

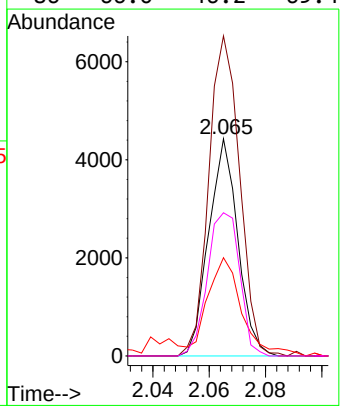


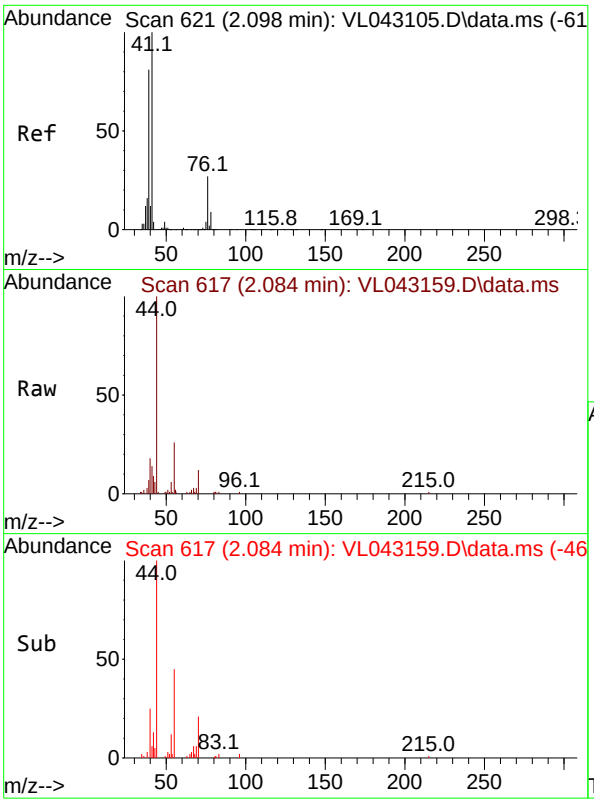


#20
Methylene Chloride
Concen: 0.507 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 84 Resp: 3186

Ion	Ratio	Lower	Upper
84	100		
49	147.4	116.6	175.0
51	41.9	34.8	52.2
86	66.0	46.2	69.4



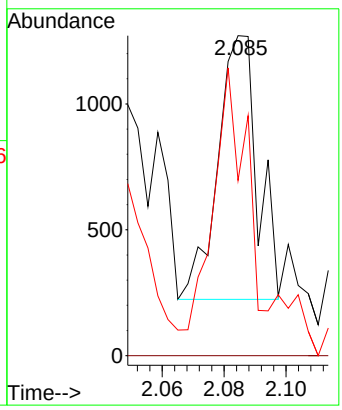


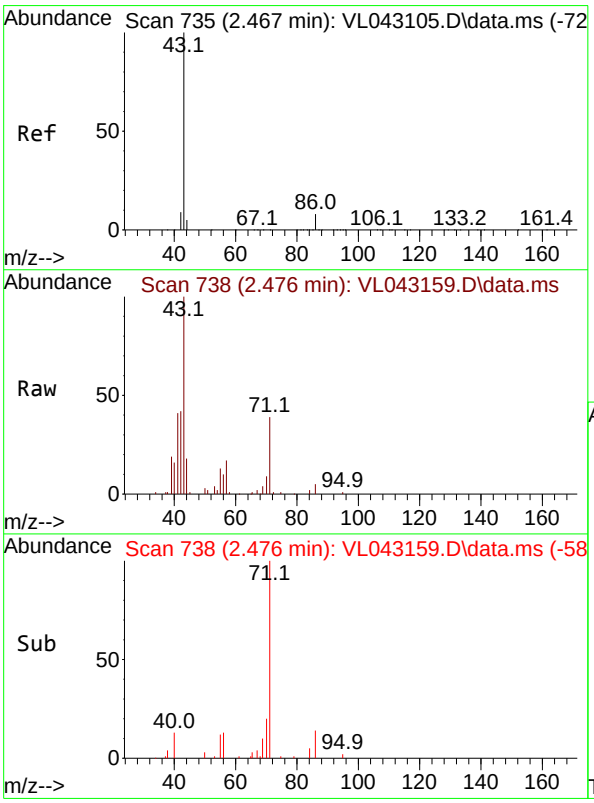
#21
Allyl Chloride
Concen: 0.080 ppbv
RT: 2.084 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 41 Resp: 933

Ion	Ratio	Lower	Upper
41	100		
76	35.5	21.5	32.3#
39	134.5	60.8	91.2#

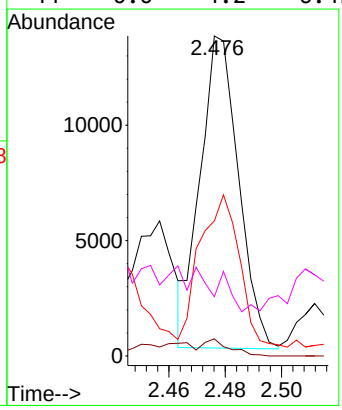


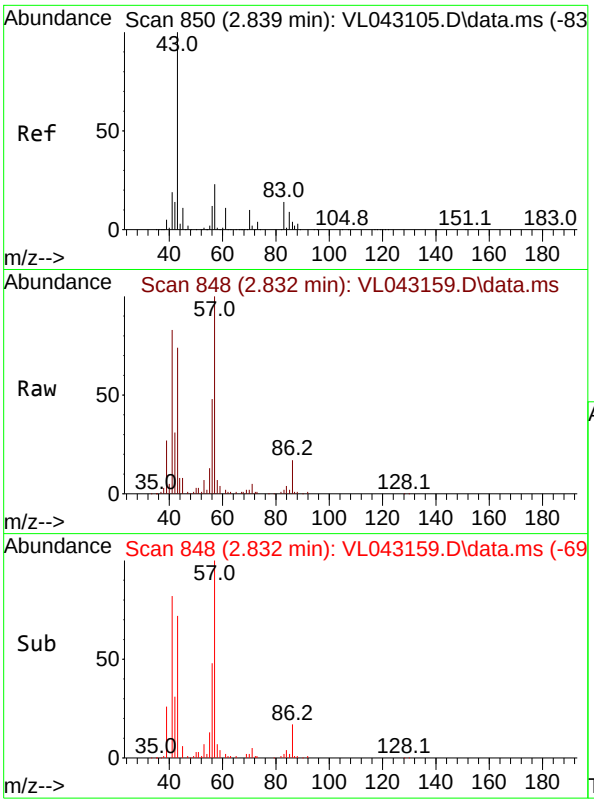


#23
Vinyl Acetate
Concen: 0.549 ppbv
RT: 2.476 min Scan# 738
Delta R.T. 0.009 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 43 Resp: 12803

Ion	Ratio	Lower	Upper
43	100		
86	5.5	6.2	9.2#
42	40.0	7.6	11.4#
44	0.0	4.2	6.4#



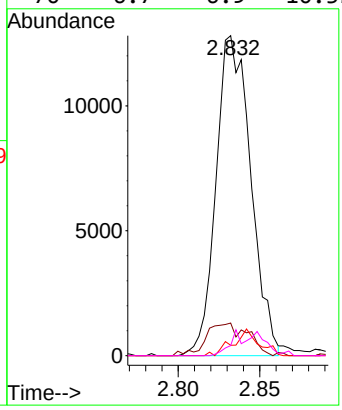


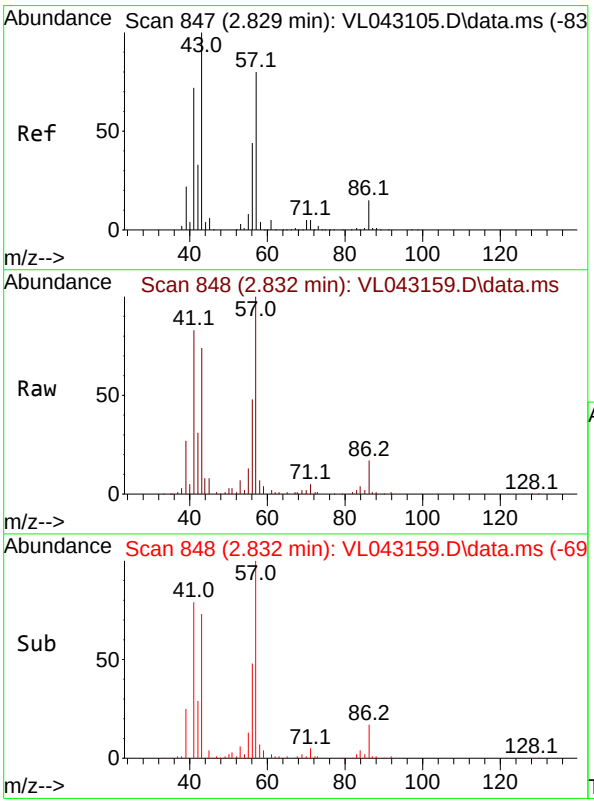
#25
Ethyl Acetate
Concen: 0.480 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 43 Resp: 18936

Ion	Ratio	Lower	Upper
43	100		
45	12.5	7.8	11.8#
61	6.1	7.0	10.6#
70	6.7	6.9	10.3#

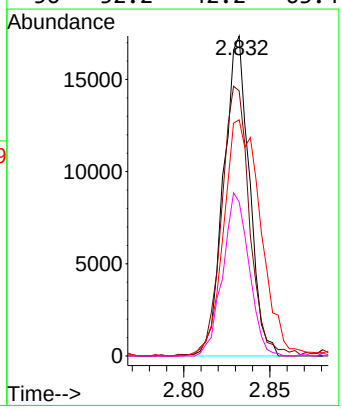


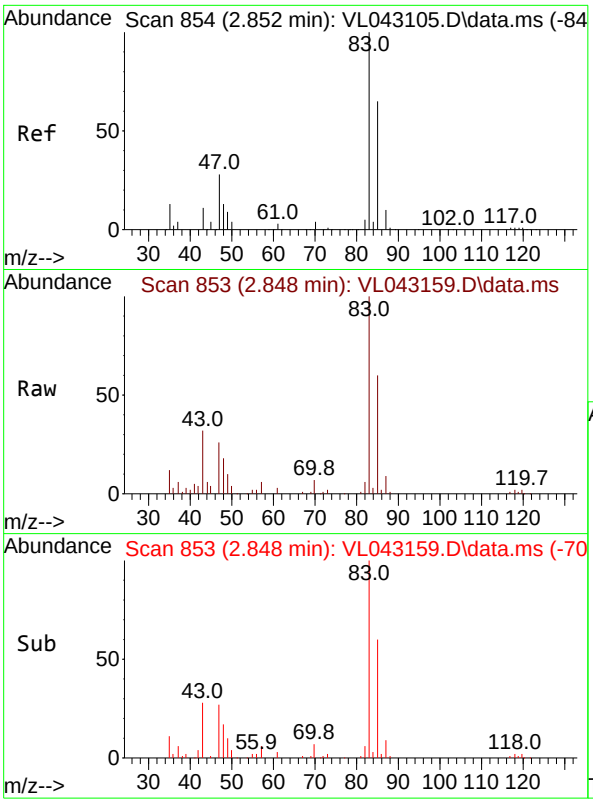


#26
Hexane
Concen: 0.992 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 57 Resp: 18040

Ion	Ratio	Lower	Upper
57	100		
41	92.0	71.4	107.0
43	108.4	178.5	267.7#
56	52.2	42.2	63.4



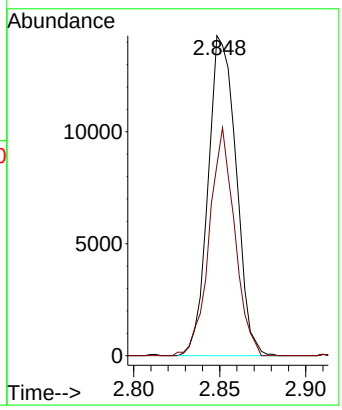


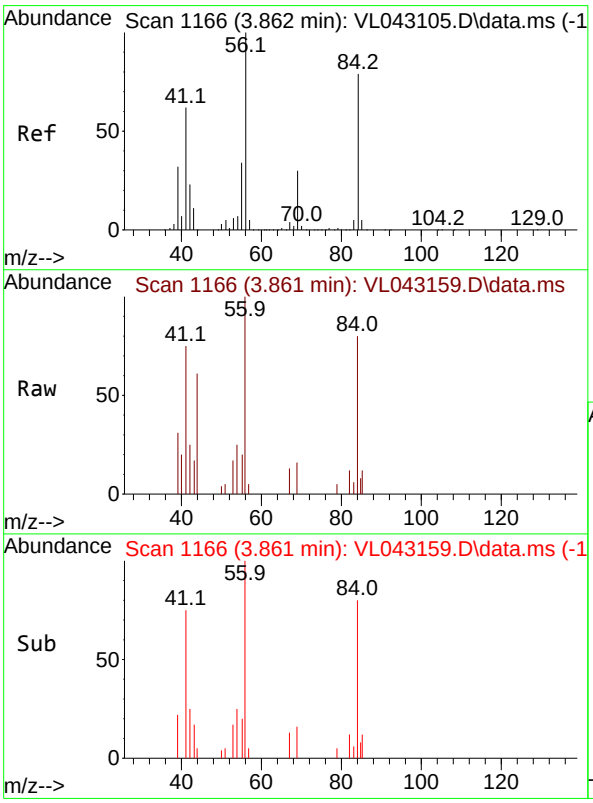
#29
Chloroform
Concen: 0.613 ppbv
RT: 2.848 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 83 Resp: 16144

Ion	Ratio	Lower	Upper
83	100		
85	59.6	51.8	77.6

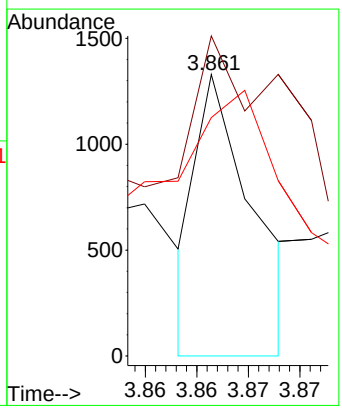


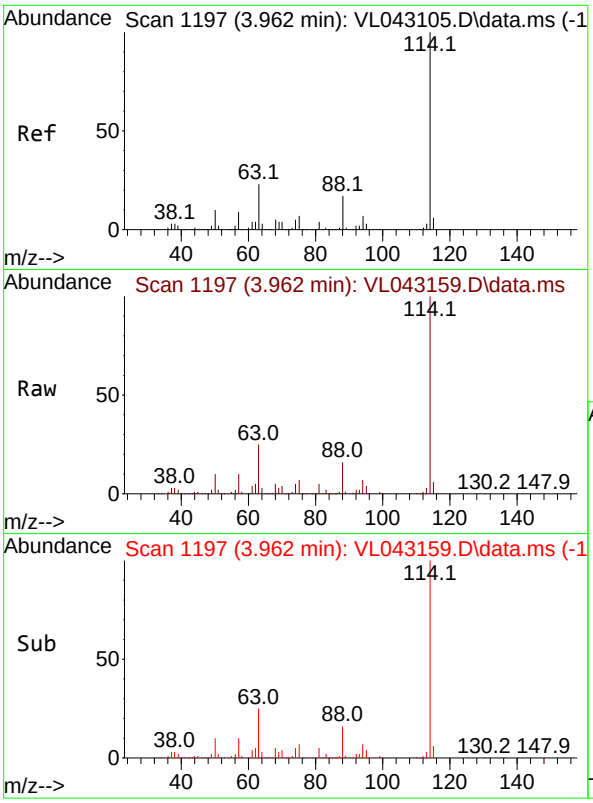


#30
Cyclohexane
Concen: 0.032 ppbv
RT: 3.861 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 84 Resp: 508

Ion	Ratio	Lower	Upper
84	100		
56	436.0	100.9	151.3#
41	353.7	63.8	95.6#



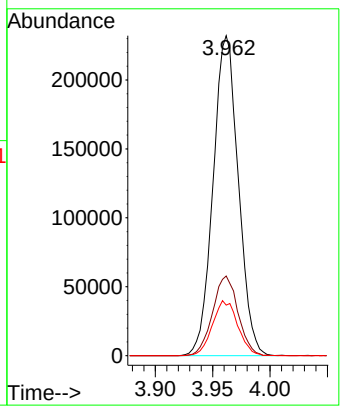


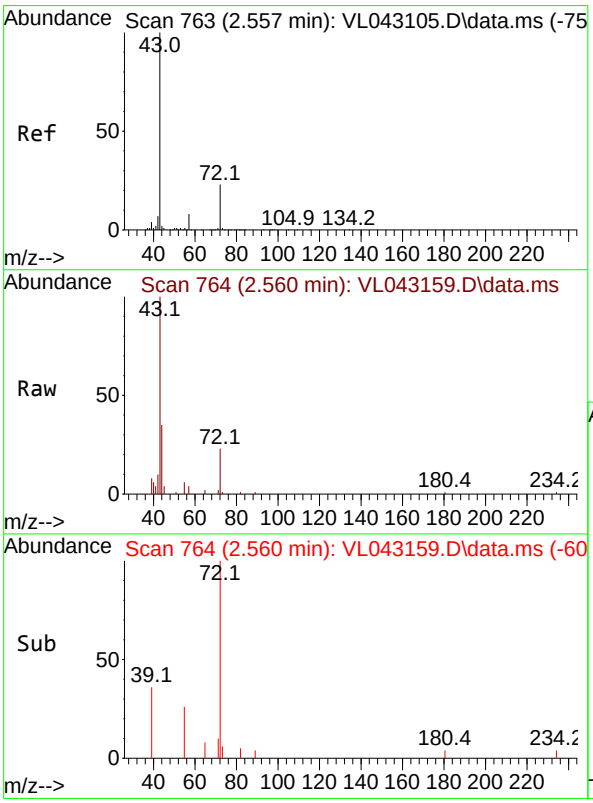
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion:114 Resp: 354784

Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.3	28.9
88	17.3	13.9	20.9

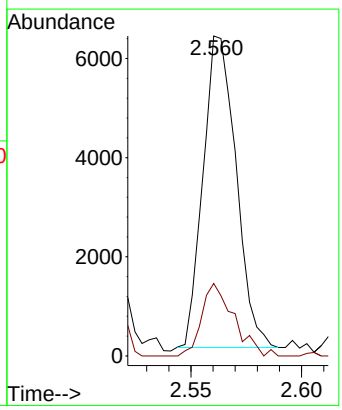


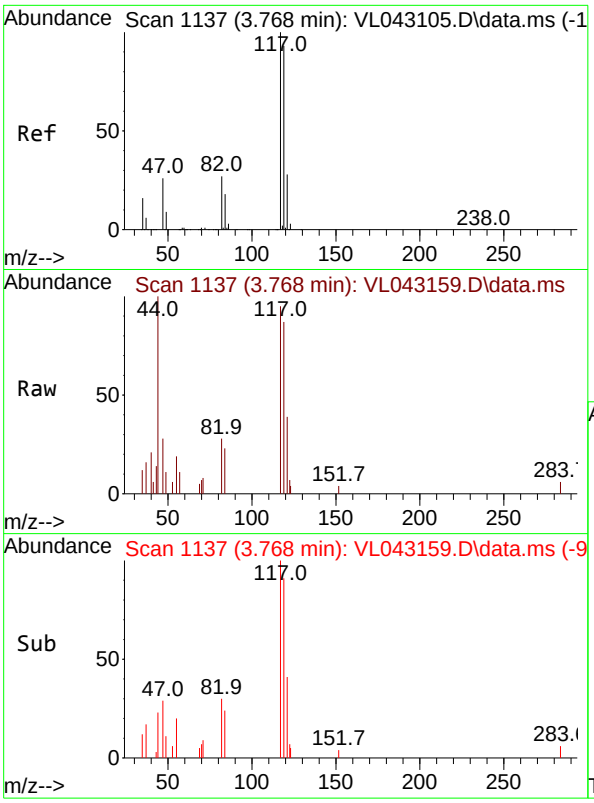


#34
2-Butanone
Concen: 0.273 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 43 Resp: 6502

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.4	27.6



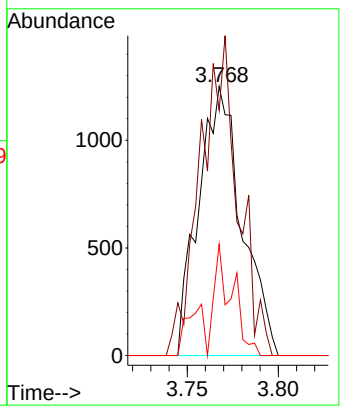


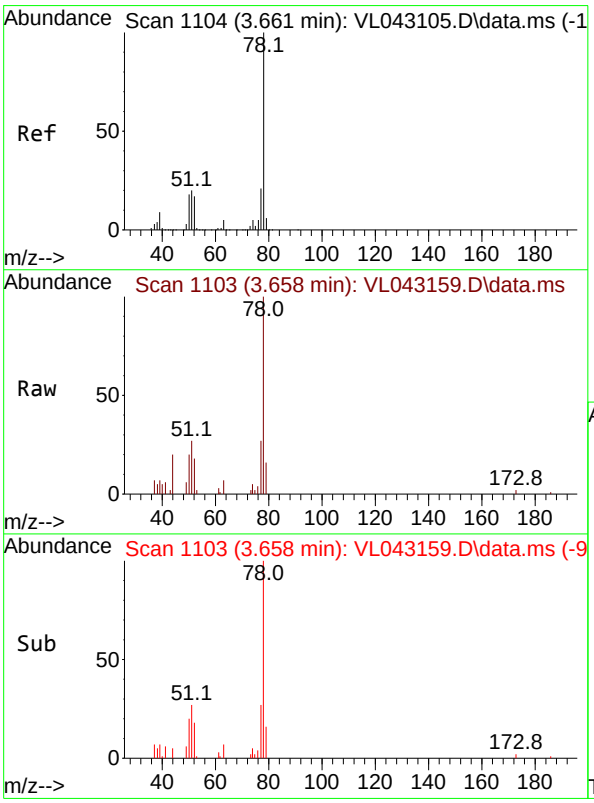
#35
Carbon Tetrachloride
Concen: 0.081 ppbv
RT: 3.768 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion:117 Resp: 2069

Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.1	111.1
121	41.4	22.2	33.2#

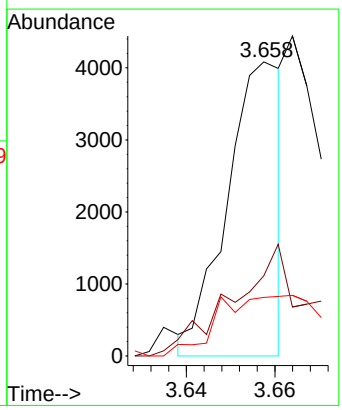


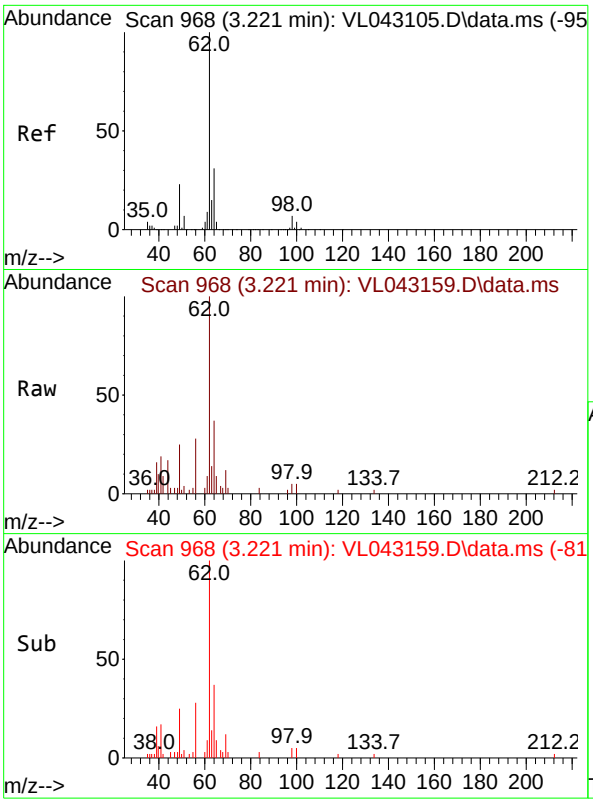


#36
Benzene
Concen: 0.104 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 78 Resp: 3482

Ion	Ratio	Lower	Upper
78	100		
77	23.4	17.0	25.6
50	17.3	14.6	22.0



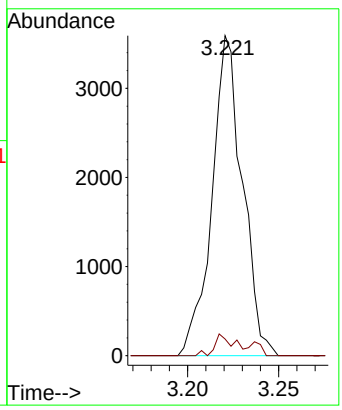


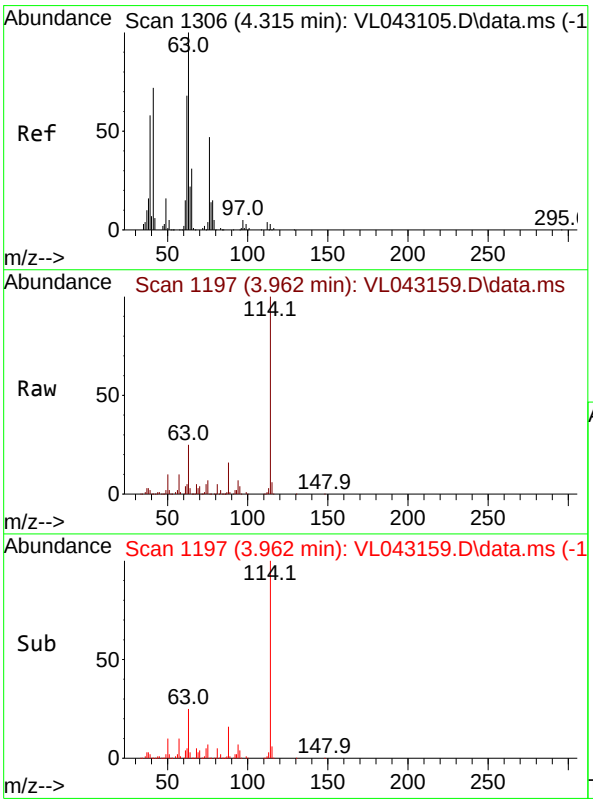
#37
1,2-Dichloroethane
Concen: 0.217 ppbv
RT: 3.221 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 62 Resp: 4176

Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.8	8.6

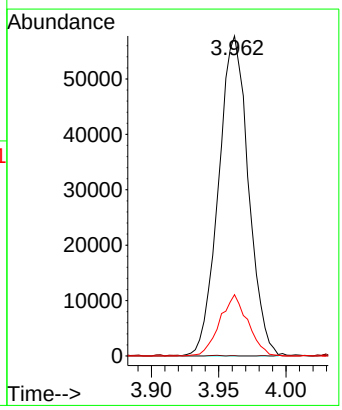


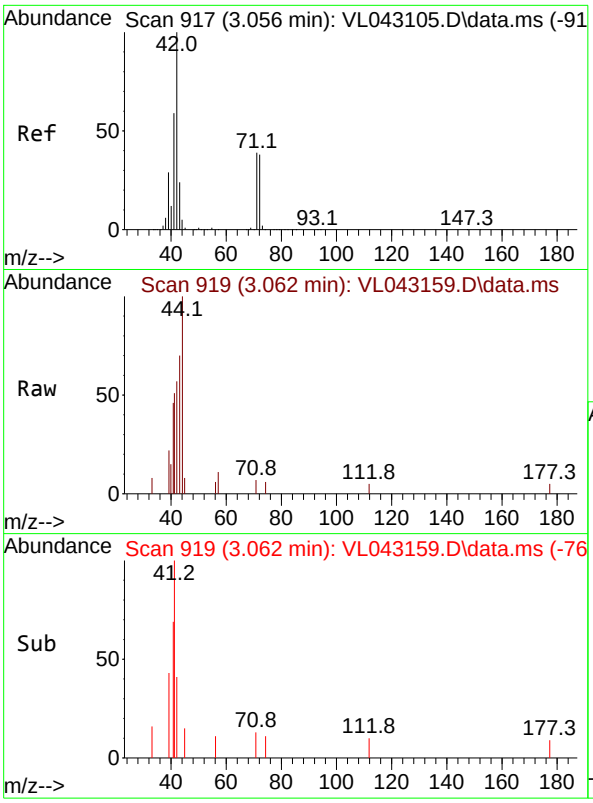


#39
1,2-Dichloropropane
Concen: 7.292 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.353 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 63 Resp: 89086

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.0	87.0#
62	19.2	54.7	82.1#



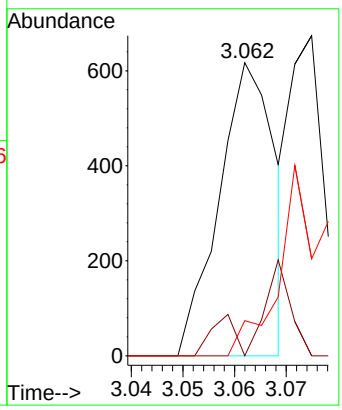


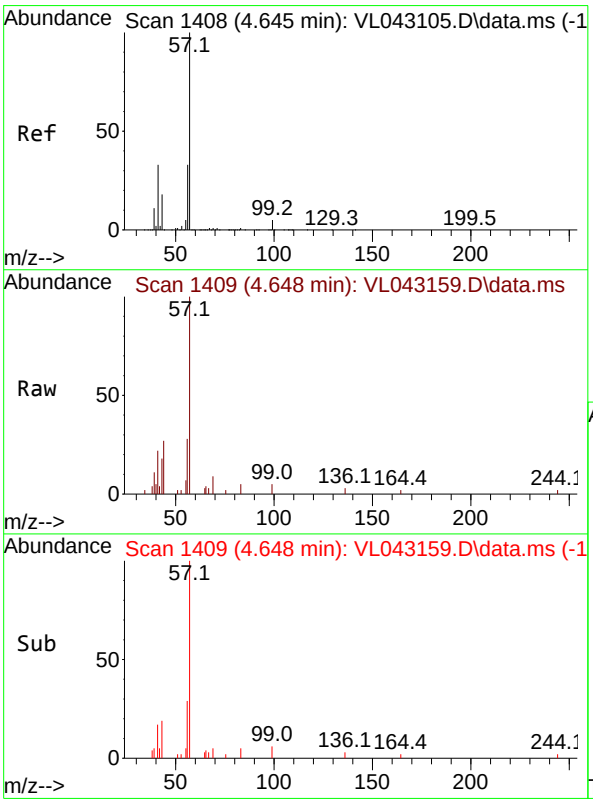
#41
Tetrahydrofuran
Concen: 0.035 ppbv
RT: 3.062 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 42 Resp: 462

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.3	46.9#
71	0.0	30.4	45.6#

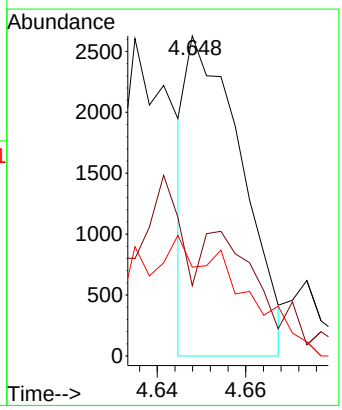


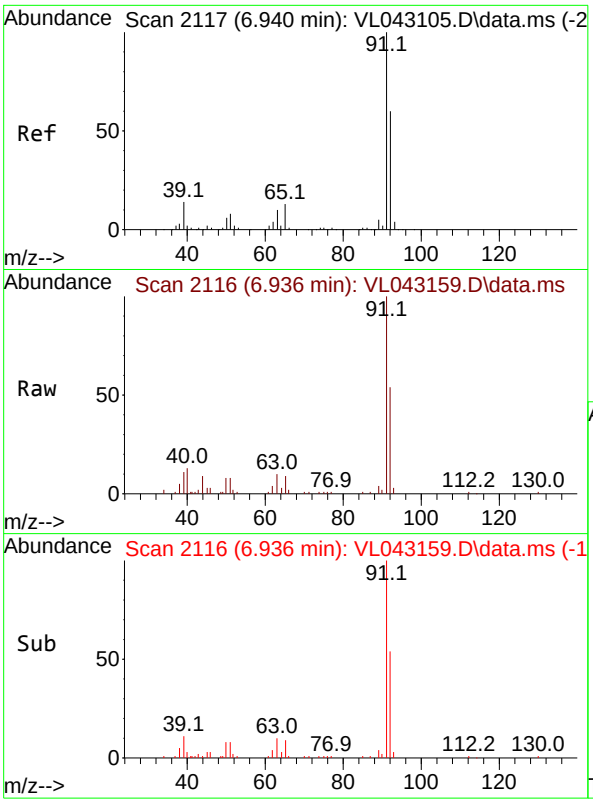


#44
2,2,4-Trimethylpentane
Concen: 0.040 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 57 Resp: 2264

Ion	Ratio	Lower	Upper
57	100		
41	130.6	26.3	39.5#
56	112.9	25.9	38.9#



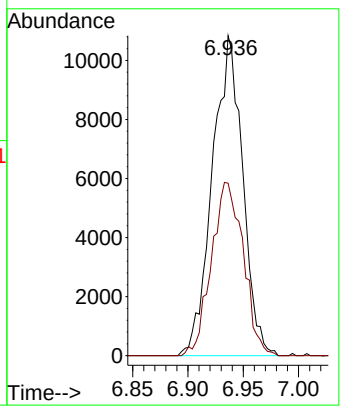


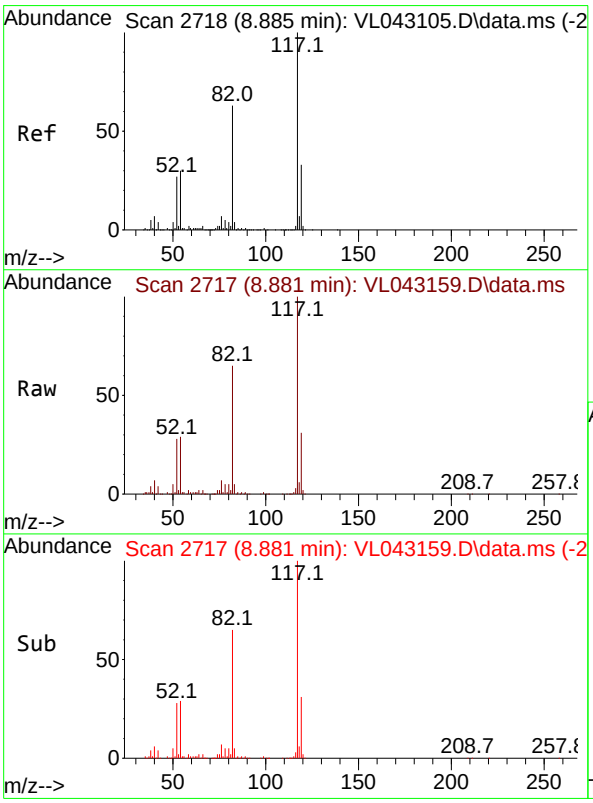
#53
Toluene
Concen: 0.520 ppbv
RT: 6.936 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 91 Resp: 20621

Ion	Ratio	Lower	Upper
91	100		
92	57.0	48.8	73.2

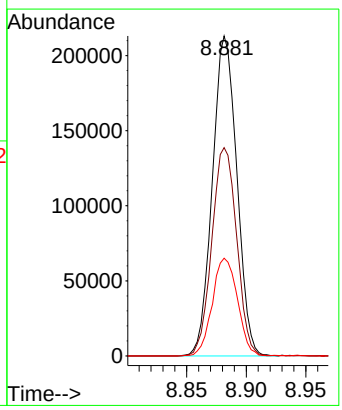


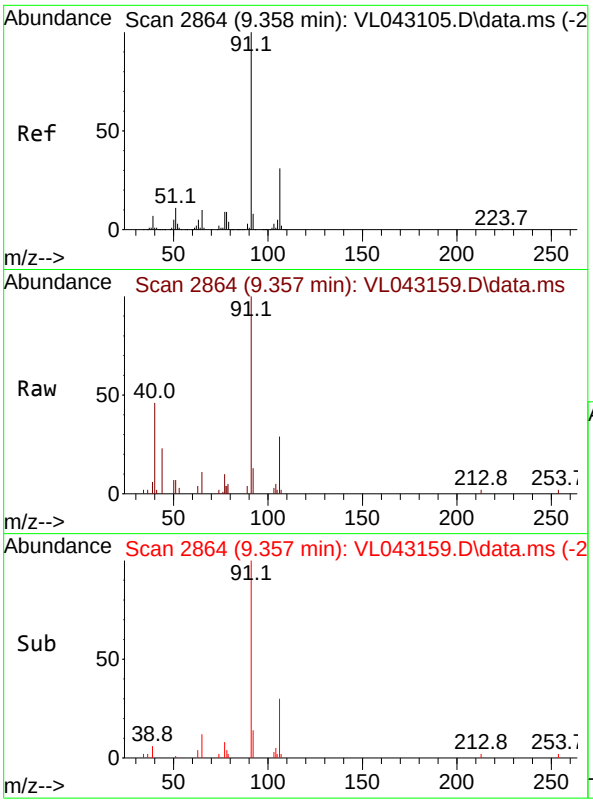


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion:117 Resp: 303947

Ion	Ratio	Lower	Upper
117	100		
82	66.1	53.8	80.8
119	31.6	25.4	38.0



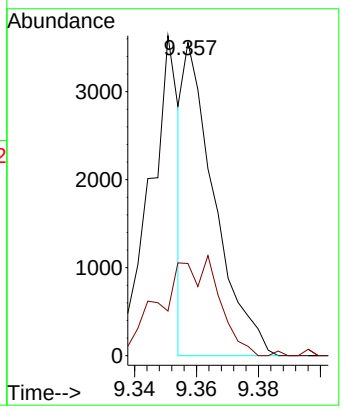


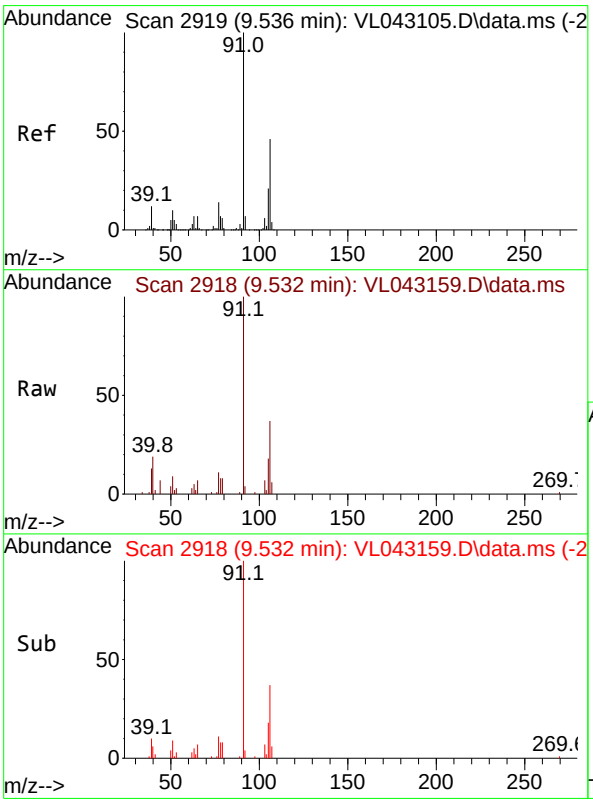
#58
Ethyl Benzene
Concen: 0.047 ppbv
RT: 9.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 91 Resp: 2454

Ion	Ratio	Lower	Upper
91	100		
106	27.9	24.8	37.2

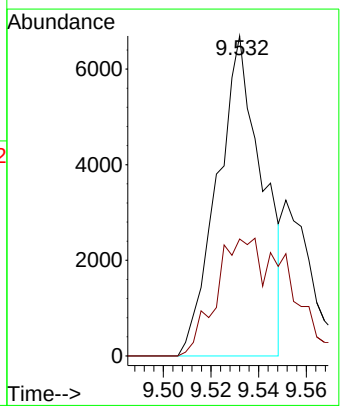


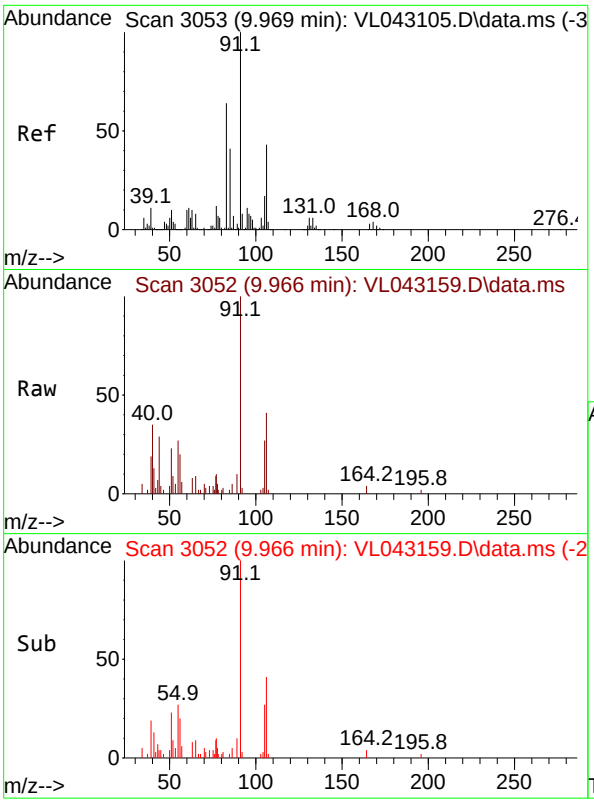


#59
m/p-Xylene
Concen: 0.210 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion: 91 Resp: 8752

Ion	Ratio	Lower	Upper
91	100		
106	59.3	38.0	57.0#



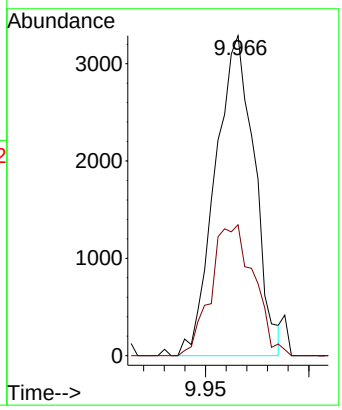


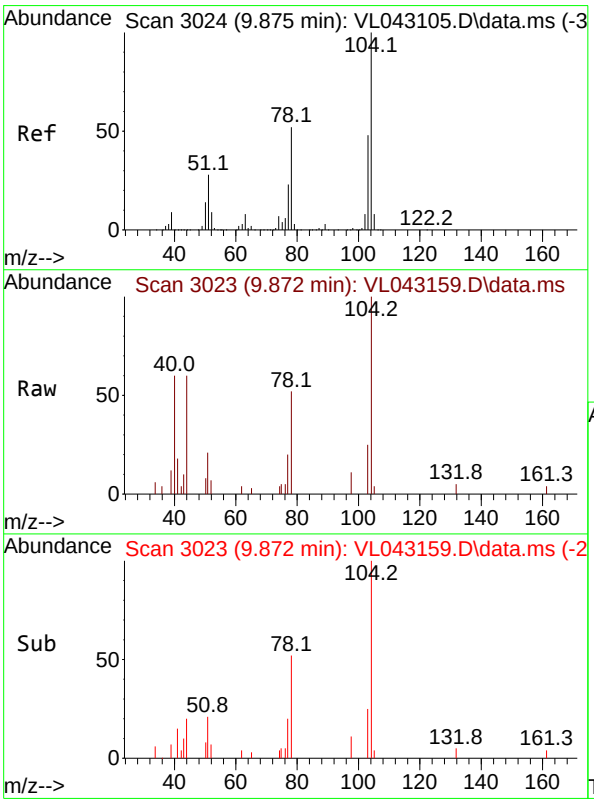
#60
o-Xylene
Concen: 0.105 ppbv
RT: 9.966 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 91 Resp: 4326

Ion	Ratio	Lower	Upper
91	100		
106	44.9	21.9	65.8

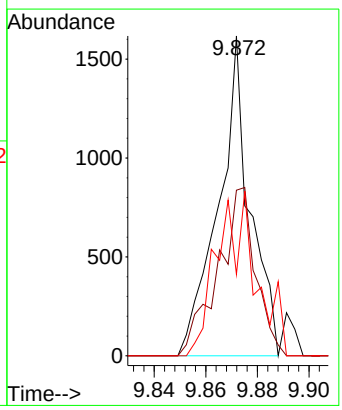


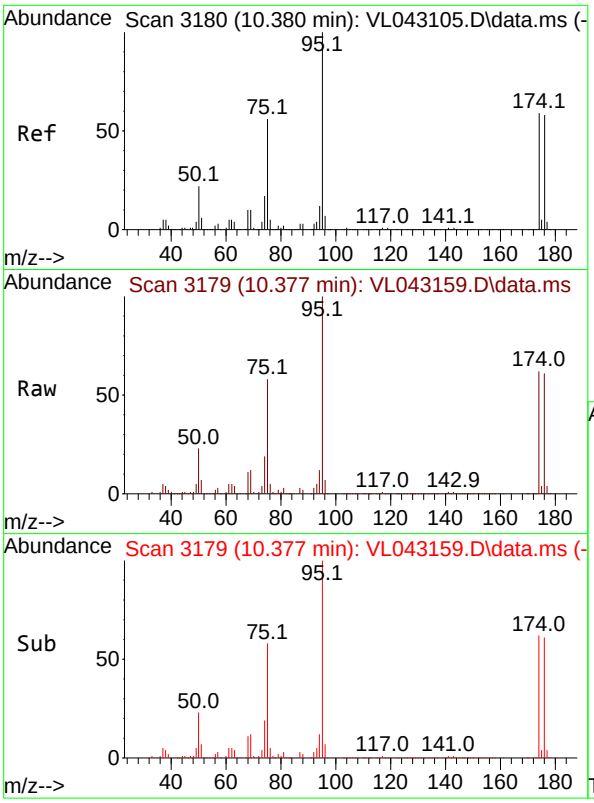


#61
Styrene
Concen: 0.074 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion:104 Resp: 1372

Ion	Ratio	Lower	Upper
104	100		
78	62.4	40.2	60.2#
103	62.9	36.9	55.3#



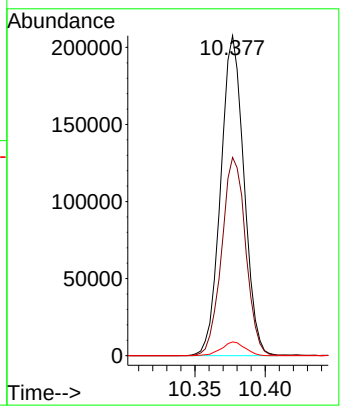


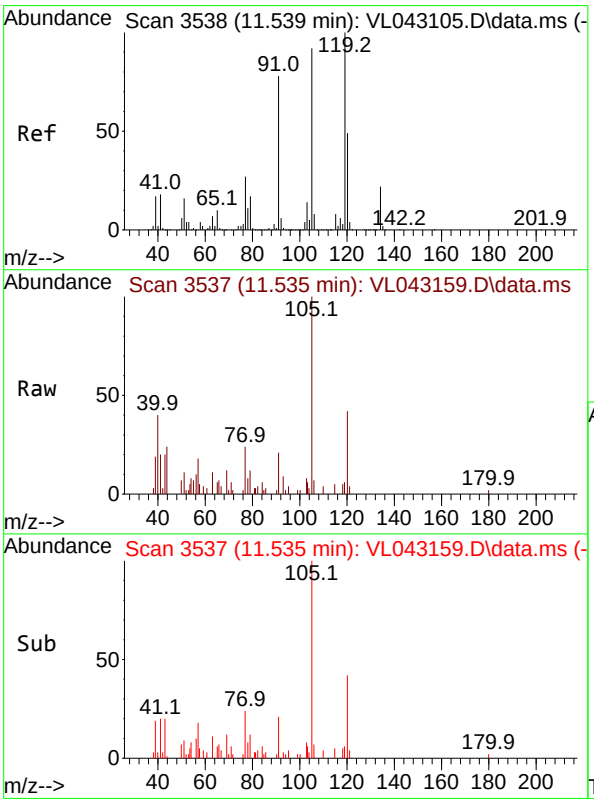
#68
1-Bromo-4-Fluorobenzene
Concen: 10.102 ppbv
RT: 10.377 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Instrument :
MSVOA_L
ClientSampleId :
151-IA-2DUP

Tgt Ion: 95 Resp: 238666

Ion	Ratio	Lower	Upper
95	100		
174	63.9	48.3	72.5
175	4.4	3.8	5.8

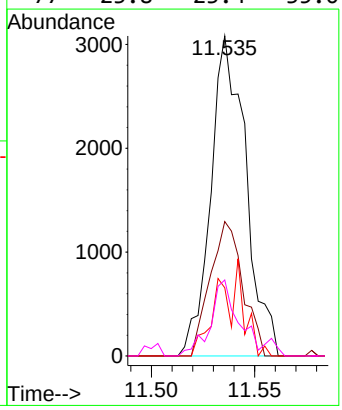




#74
1,2,4-Trimethylbenzene
Concen: 0.078 ppbv
RT: 11.535 min Scan# 3537
Delta R.T. -0.004 min
Lab File: VL043159.D
Acq: 06 Nov 2025 10:17

Tgt Ion:105 Resp: 3636

Ion	Ratio	Lower	Upper
105	100		
120	42.0	42.8	64.2#
91	21.3	68.3	102.5#
77	23.8	23.4	35.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043163.D
Acq On : 06 Nov 2025 12:44
Operator : SY/MD
Sample : Q3557-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Quant Time: Nov 07 00:21:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

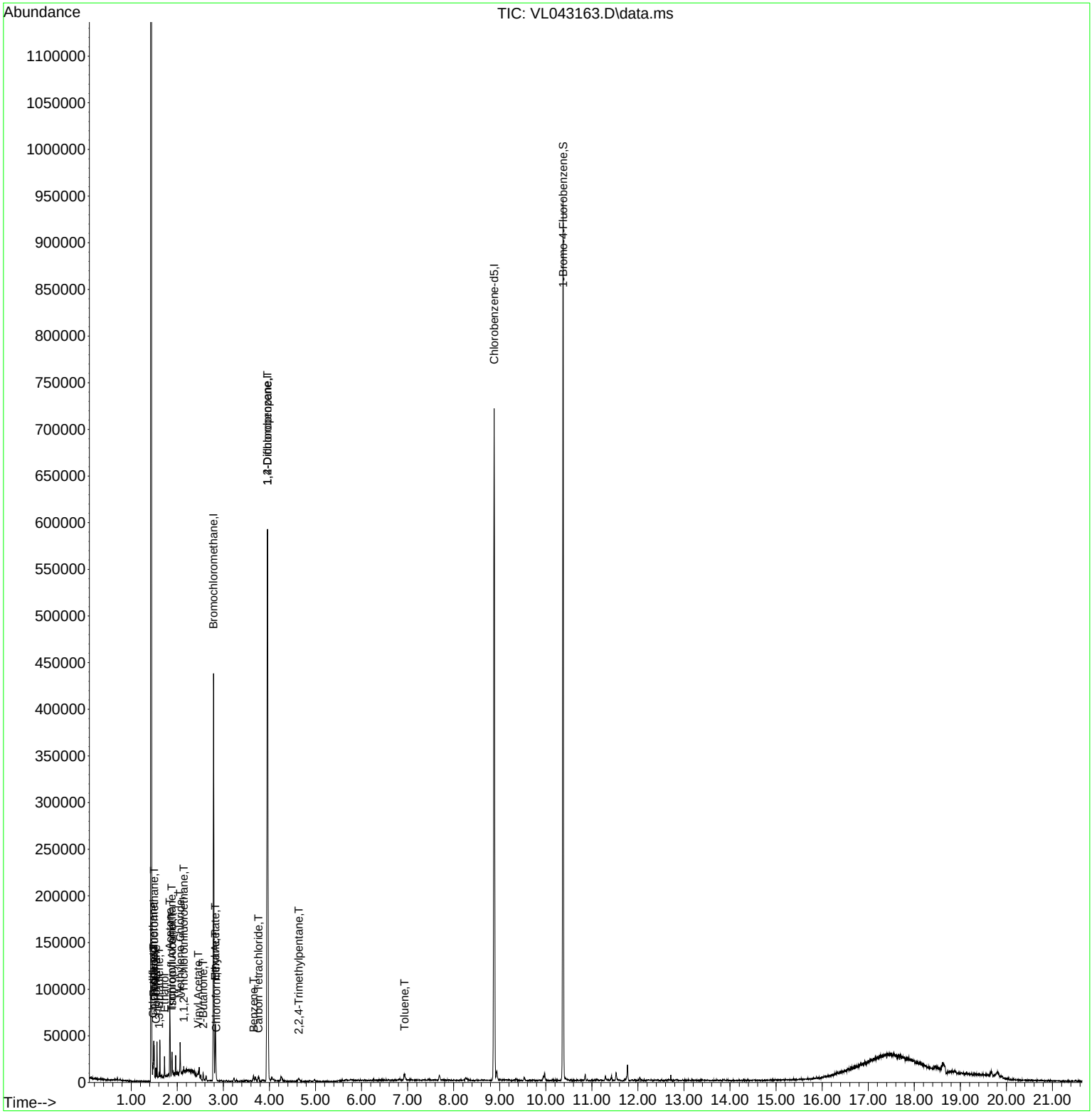
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	114655	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	343053	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	295343	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	233984	10.193	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	8126	0.499	ppbv		98
3) Chlorodifluoromethane	1.476	51	8052	0.457	ppbv	#	87
4) Chloromethane	1.534	50	3050	0.472	ppbv		91
9) Propene	1.489	41	2649	0.339	ppbv		92
11) Trichlorofluoromethane	1.881	101	4157	0.261	ppbv		95
12) 1,1,2-Trichlorotrifluo...	2.140	101	1008	0.079	ppbv		90
13) Ethanol	1.722	45	7183	2.483	ppbv	#	38
15) Acetone	1.835	43	40561	2.625	ppbv		99
16) 1,3-Butadiene	1.602	39	497	0.067	ppbv	#	35
19) Isopropyl Alcohol	1.887	45	8851	0.920	ppbv	#	1
20) Methylene Chloride	2.062	84	4671	0.765	ppbv		95
23) Vinyl Acetate	2.454	43	3139	0.139	ppbv	#	84
25) Ethyl Acetate	2.826	43	10701	0.279	ppbv	#	82
26) Hexane	2.826	57	13632	0.772	ppbv	#	42
29) Chloroform	2.849	83	815	0.032	ppbv	#	77
34) 2-Butanone	2.560	43	5042	0.219	ppbv		99
35) Carbon Tetrachloride	3.765	117	964	0.039	ppbv	#	89
36) Benzene	3.661	78	1338	0.041	ppbv	#	73
39) 1,2-Dichloropropane	3.959	63	87782	7.431	ppbv	#	25
44) 2,2,4-Trimethylpentane	4.638	57	1800	0.033	ppbv	#	50
53) Toluene	6.936	91	2020	0.053	ppbv	#	20

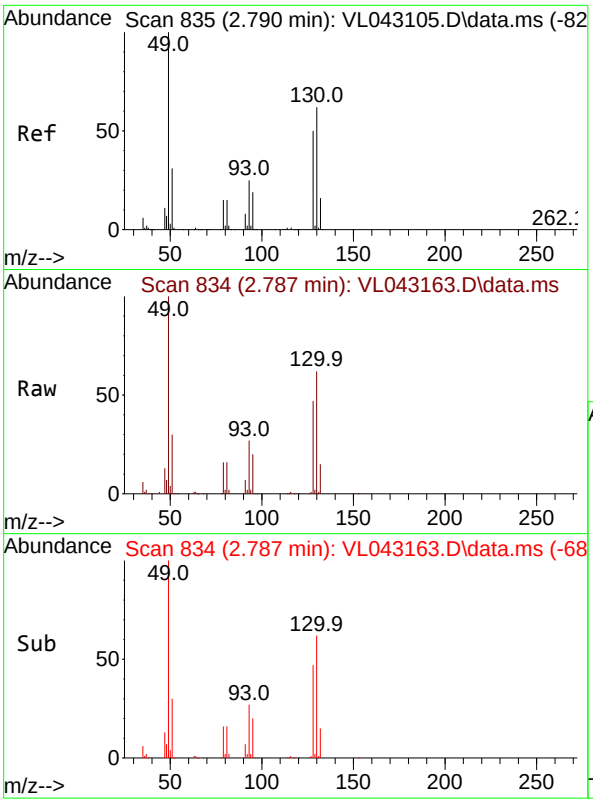
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043163.D
Acq On : 06 Nov 2025 12:44
Operator : SY/MD
Sample : Q3557-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Quant Time: Nov 07 00:21:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



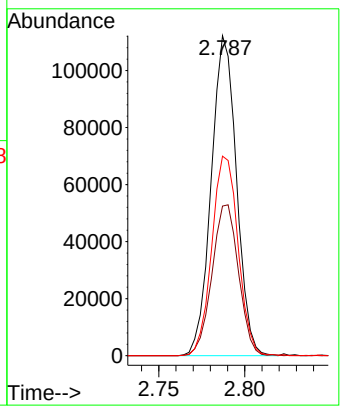


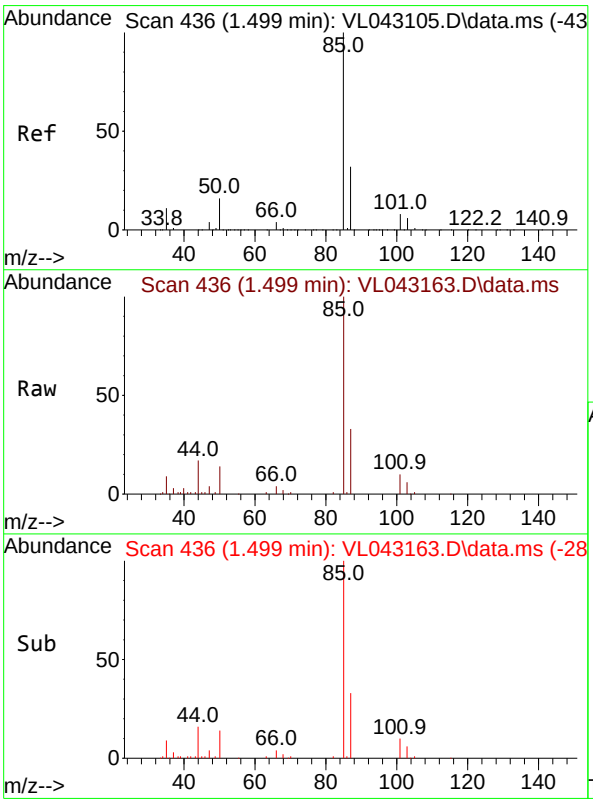
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion: 49 Resp: 114655

Ion	Ratio	Lower	Upper
49	100		
128	49.6	24.4	73.4
130	64.9	31.0	93.0

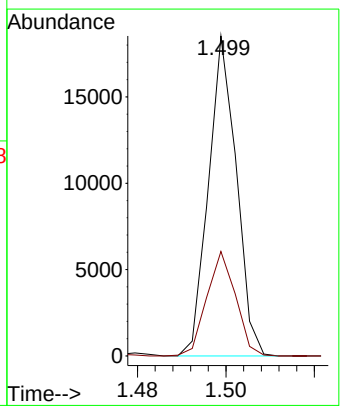


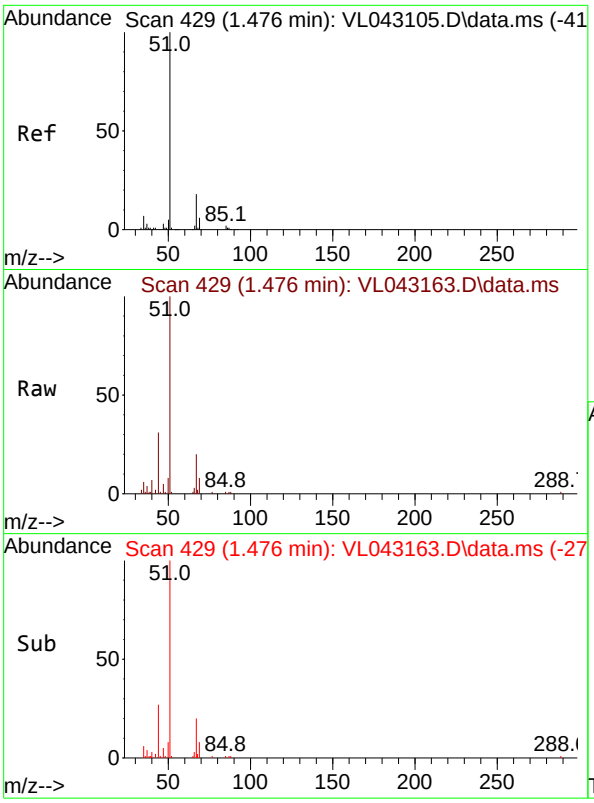


#2
Dichlorodifluoromethane
Concen: 0.499 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 85 Resp: 8126

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.3	37.9



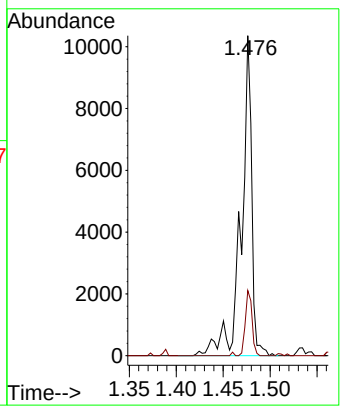


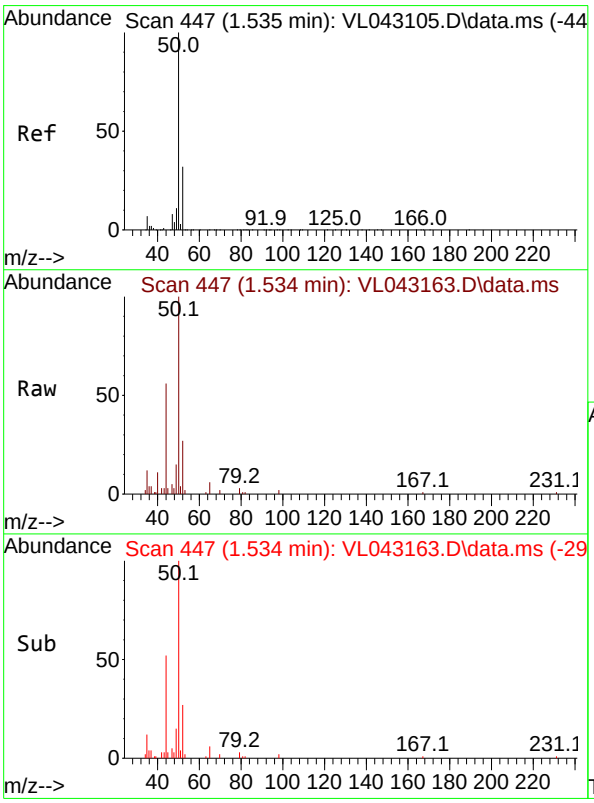
#3
Chlorodifluoromethane
Concen: 0.457 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion: 51 Resp: 8052

Ion	Ratio	Lower	Upper
51	100		
67	13.2	15.1	22.7#

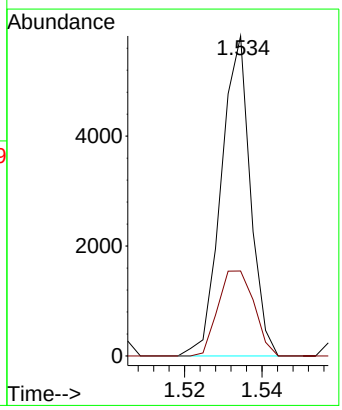


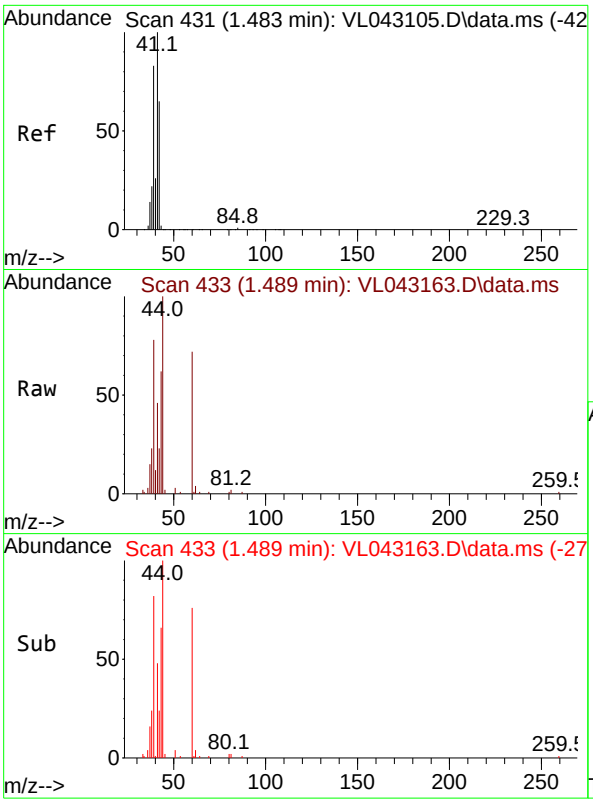


#4
Chloromethane
Concen: 0.472 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 50 Resp: 3050

Ion	Ratio	Lower	Upper
50	100		
52	26.5	25.2	37.8



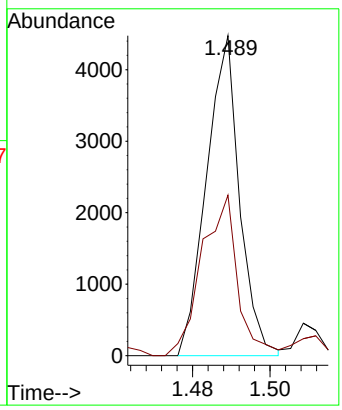


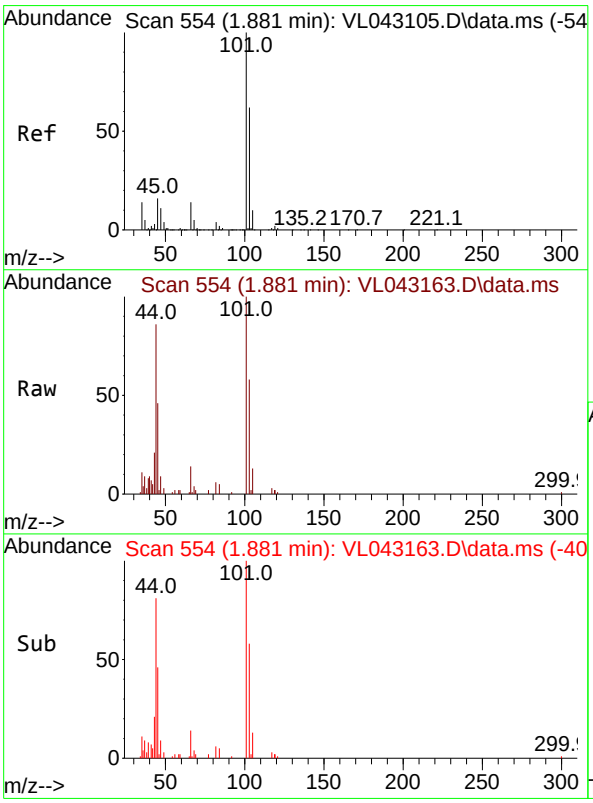
#9
Propene
Concen: 0.339 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion: 41 Resp: 2649

Ion	Ratio	Lower	Upper
41	100		
42	62.0	55.1	82.7

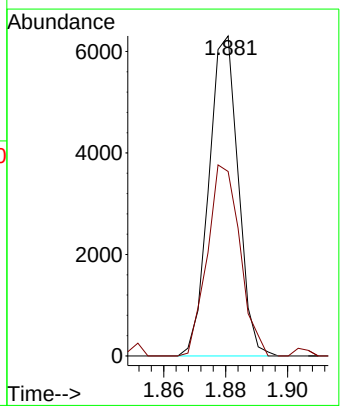


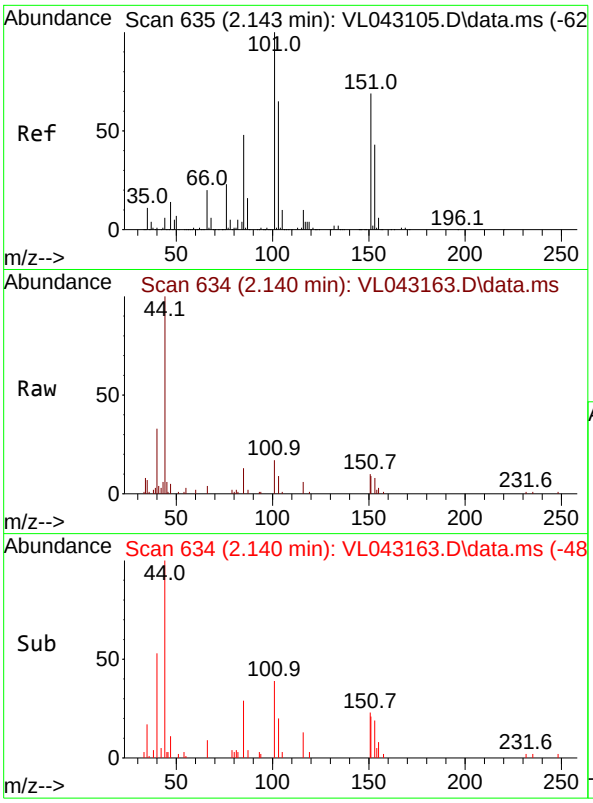


#11
Trichlorofluoromethane
Concen: 0.261 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion:101 Resp: 4157

Ion	Ratio	Lower	Upper
101	100		
103	57.6	49.3	73.9



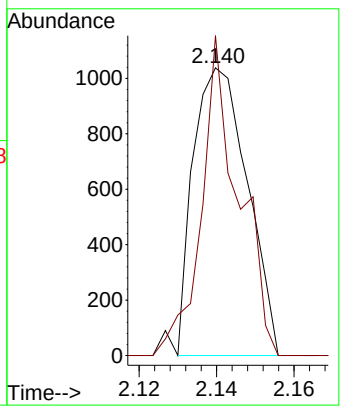


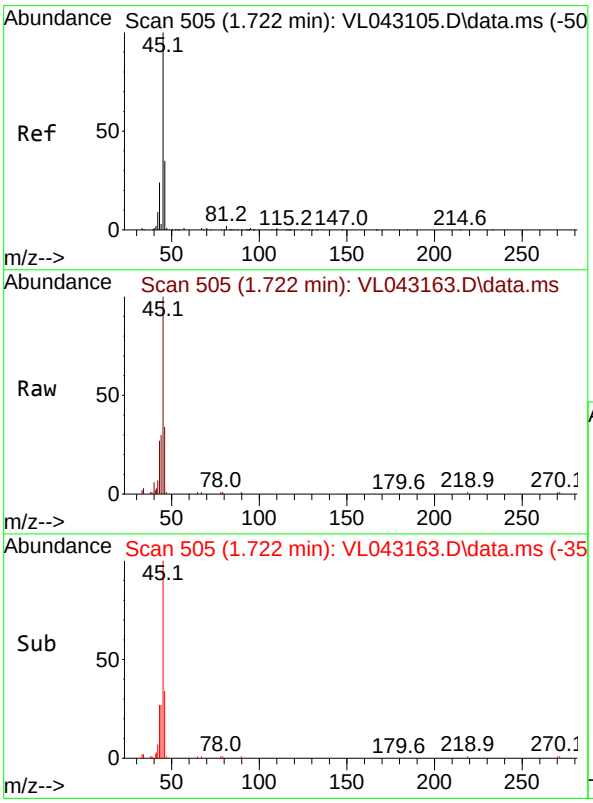
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.079 ppbv
RT: 2.140 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion:101 Resp: 1008

Ion	Ratio	Lower	Upper
101	100		
151	76.4	54.7	82.1

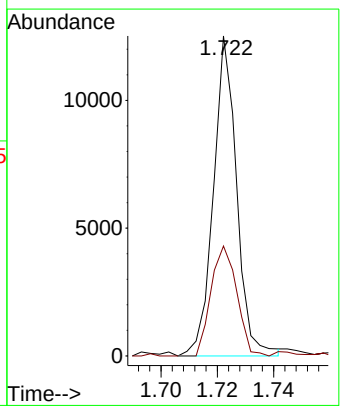


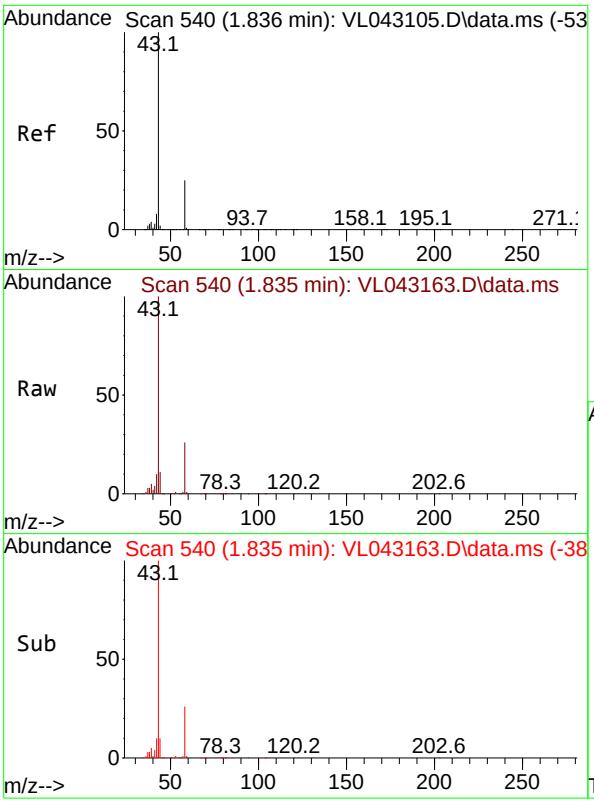


#13
Ethanol
Concen: 2.483 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 45 Resp: 7183

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.7	58.9#



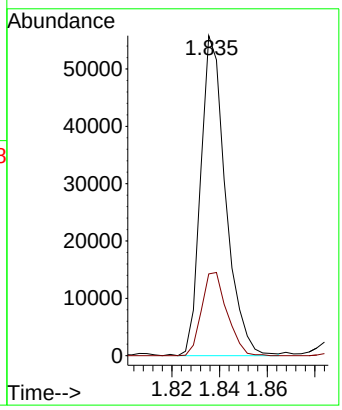


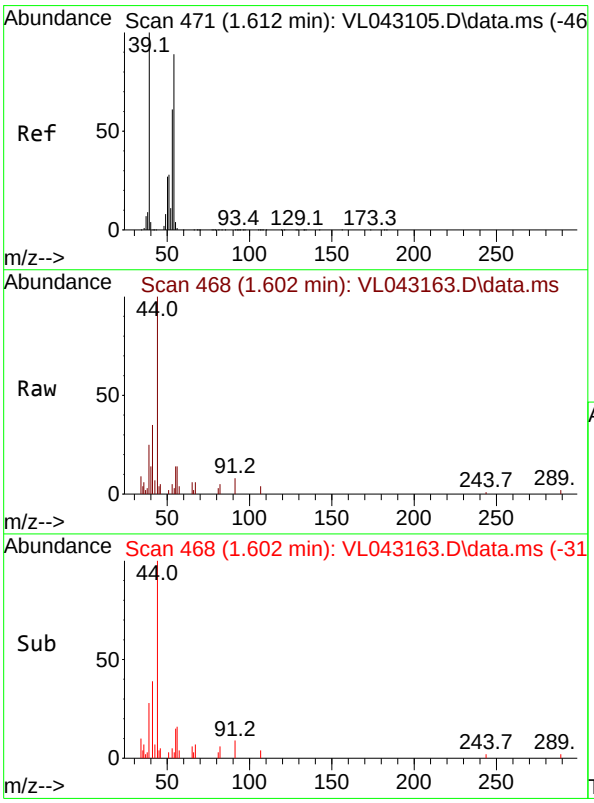
#15
Acetone
Concen: 2.625 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion: 43 Resp: 40561

Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.8	31.2

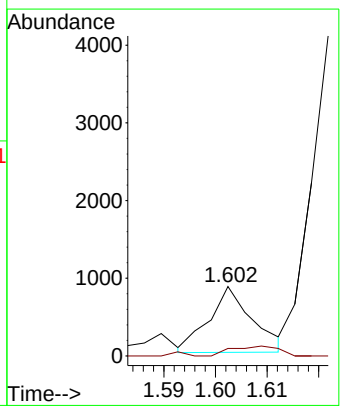


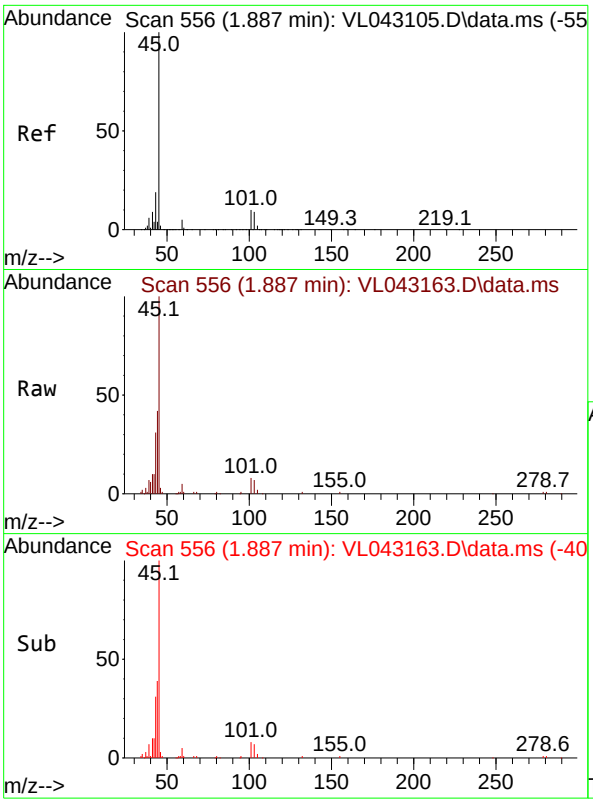


#16
1,3-Butadiene
Concen: 0.067 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.010 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 39 Resp: 497

Ion	Ratio	Lower	Upper
39	100		
54	18.5	59.0	88.4#



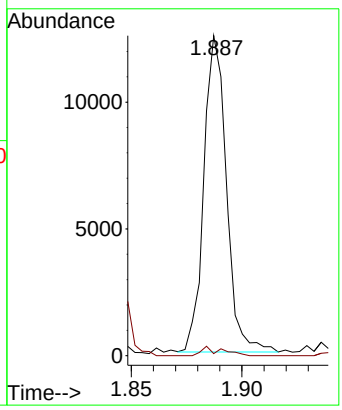


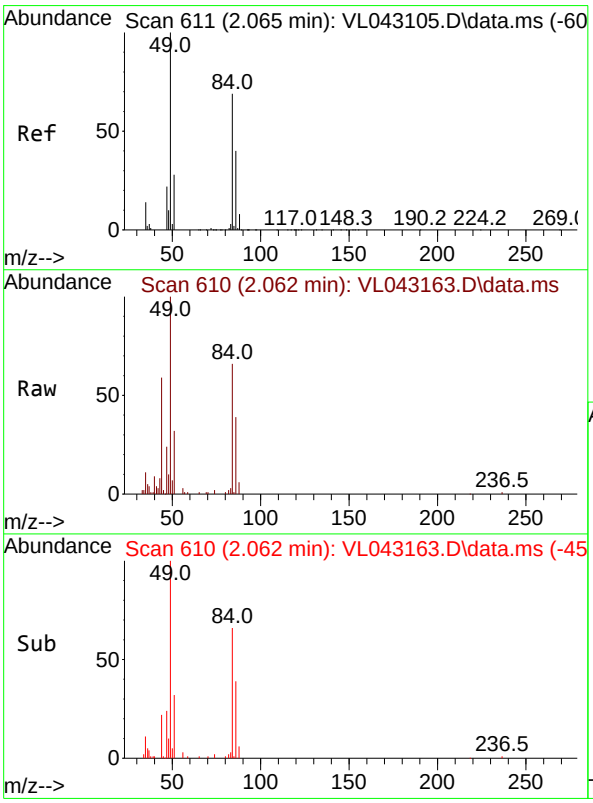
#19
Isopropyl Alcohol
Concen: 0.920 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion: 45 Resp: 8851

Ion	Ratio	Lower	Upper
45	100		
58	121.8	31.3	46.9#

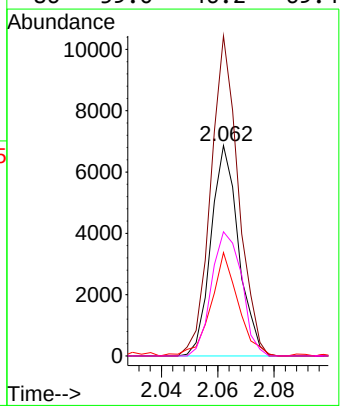


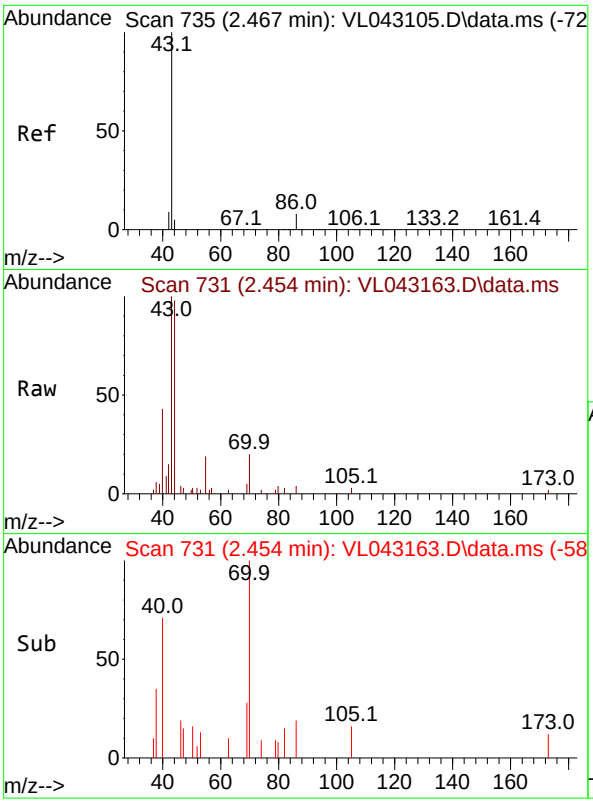


#20
Methylene Chloride
Concen: 0.765 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 84 Resp: 4671

Ion	Ratio	Lower	Upper
84	100		
49	152.1	116.6	175.0
51	49.1	34.8	52.2
86	59.0	46.2	69.4



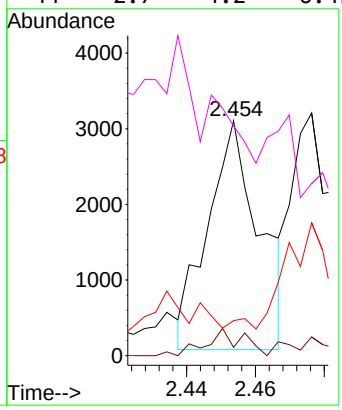


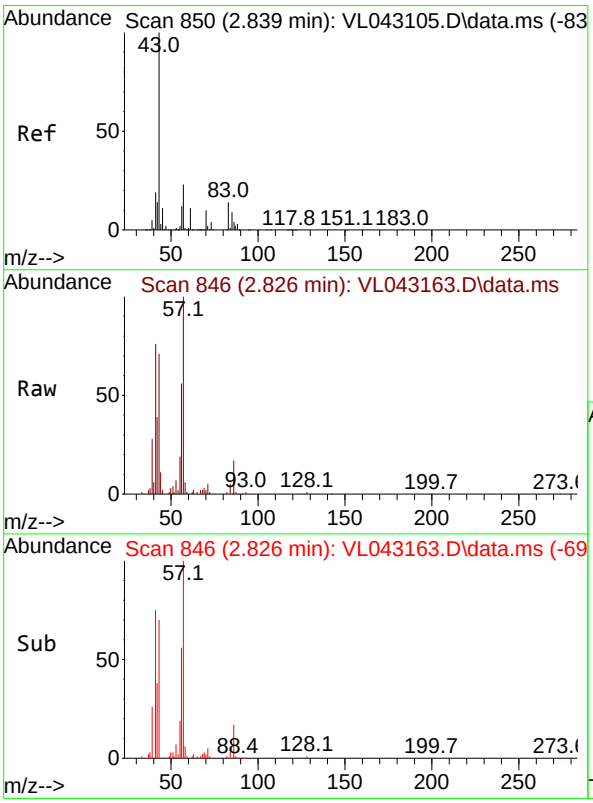
#23
Vinyl Acetate
Concen: 0.139 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.013 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion: 43 Resp: 3139

Ion	Ratio	Lower	Upper
43	100		
86	4.2	6.2	9.2#
42	0.0	7.6	11.4#
44	2.7	4.2	6.4#

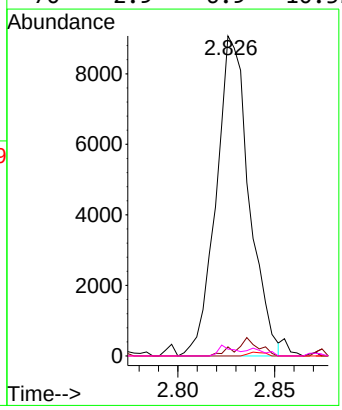


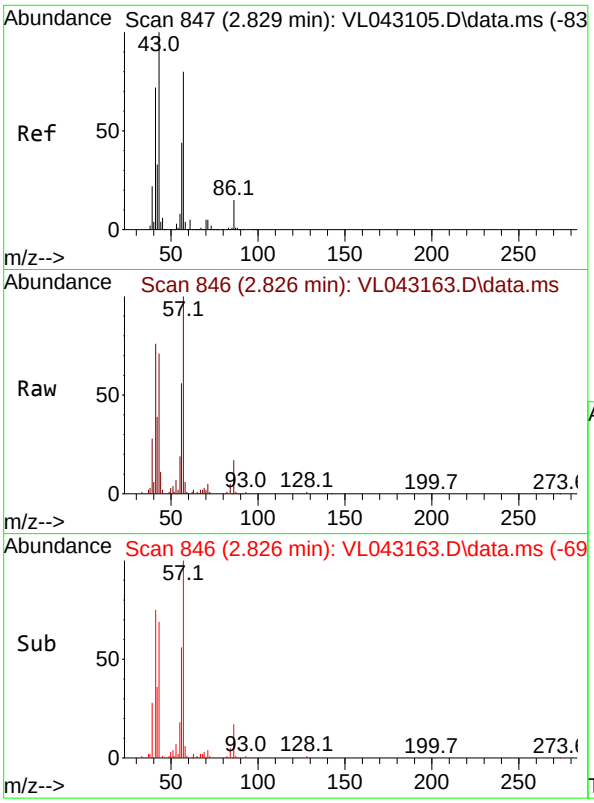


#25
Ethyl Acetate
Concen: 0.279 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.013 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 43 Resp: 10701

Ion	Ratio	Lower	Upper
43	100		
45	3.9	7.8	11.8#
61	0.6	7.0	10.6#
70	2.9	6.9	10.3#



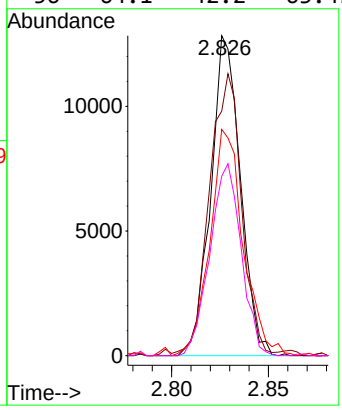


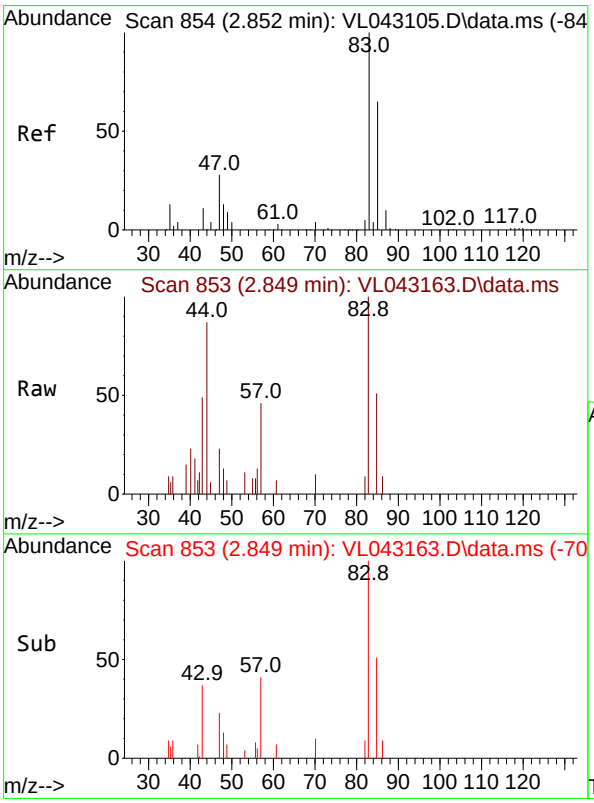
#26
Hexane
Concen: 0.772 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion: 57 Resp: 13632

Ion	Ratio	Lower	Upper
57	100		
41	98.1	71.4	107.0
43	80.4	178.5	267.7#
56	64.1	42.2	63.4#

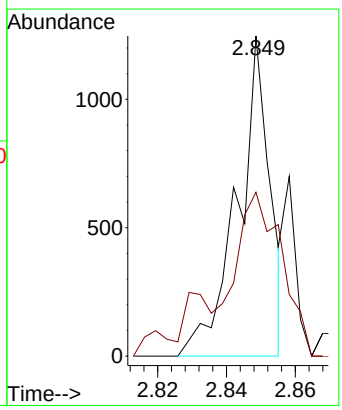


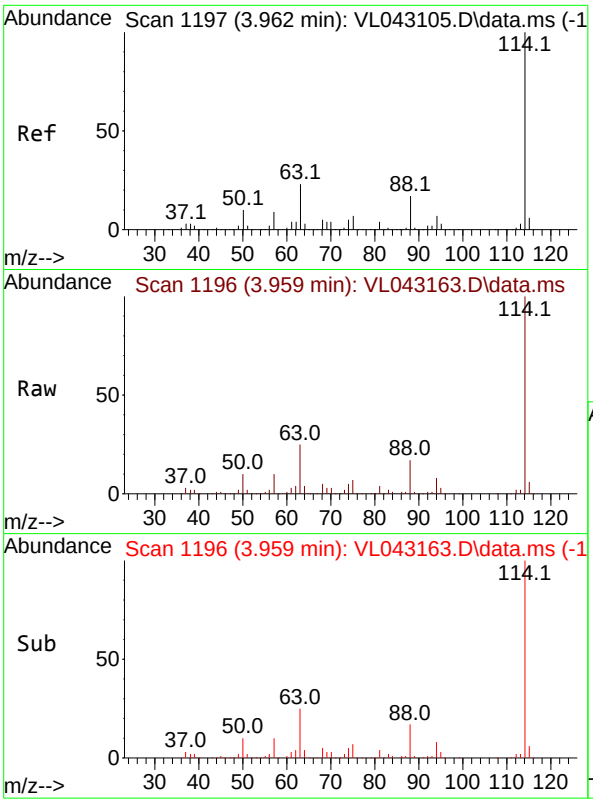


#29
Chloroform
Concen: 0.032 ppbv
RT: 2.849 min Scan# 853
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 83 Resp: 815

Ion	Ratio	Lower	Upper
83	100		
85	46.8	51.8	77.6#



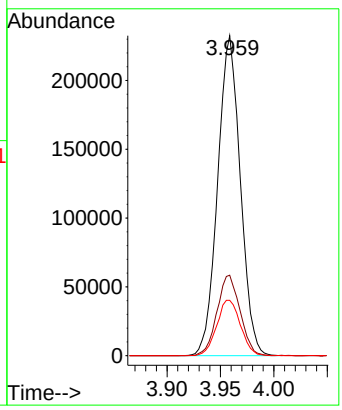


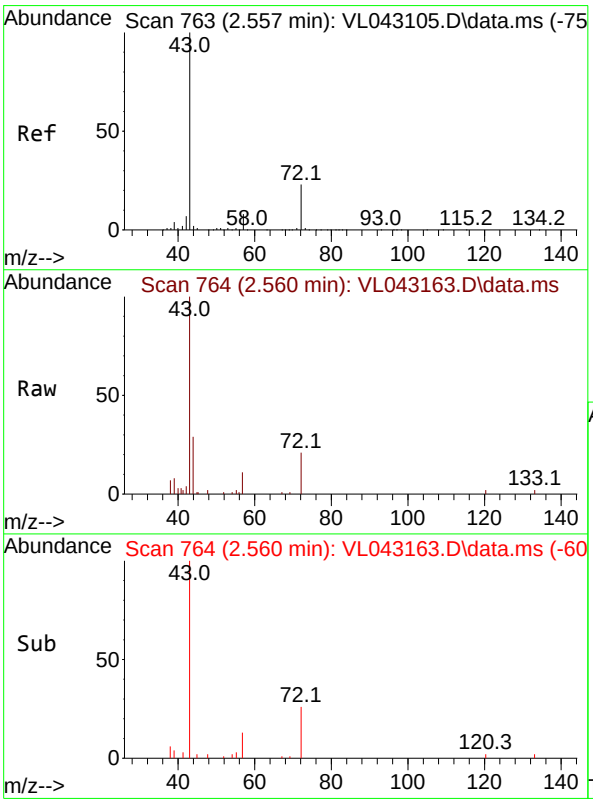
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion:114 Resp: 343053

Ion	Ratio	Lower	Upper
114	100		
63	25.6	19.3	28.9
88	18.1	13.9	20.9

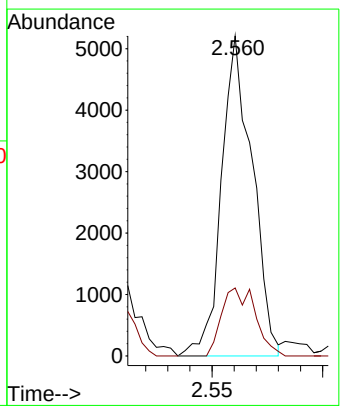


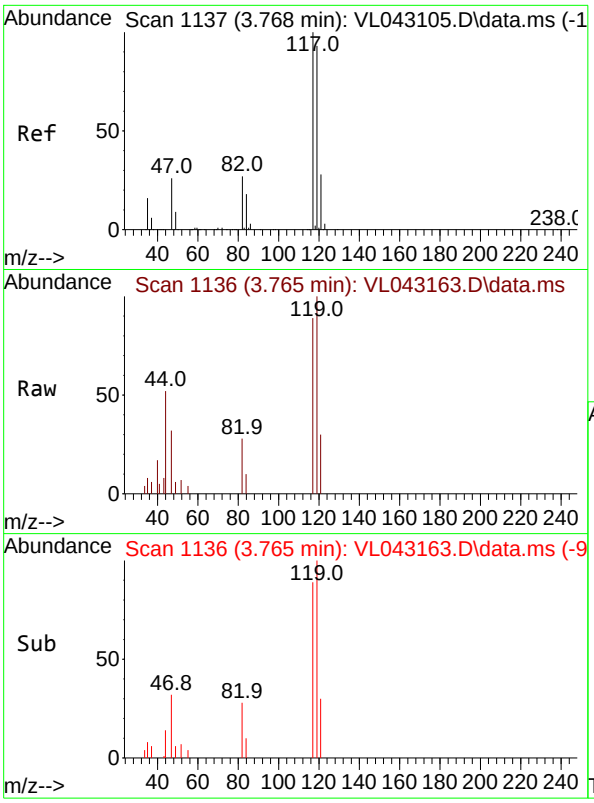


#34
2-Butanone
Concen: 0.219 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 43 Resp: 5042

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6



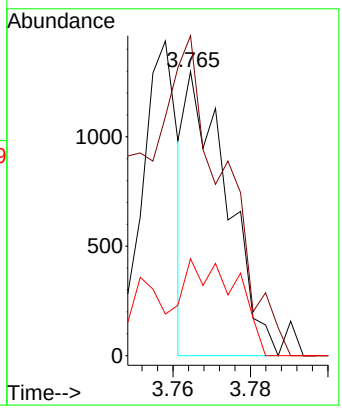


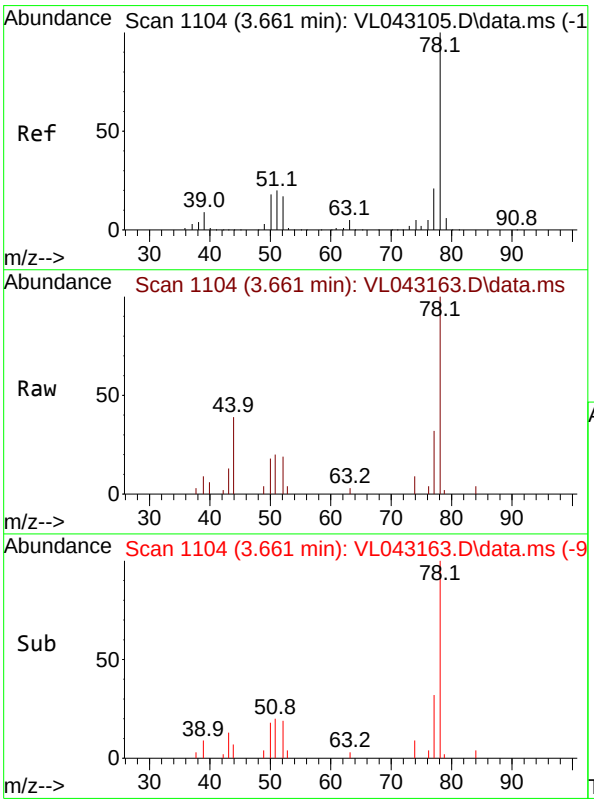
#35
Carbon Tetrachloride
Concen: 0.039 ppbv
RT: 3.765 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion:117 Resp: 964

Ion	Ratio	Lower	Upper
117	100		
119	102.9	74.1	111.1
121	34.1	22.2	33.2#

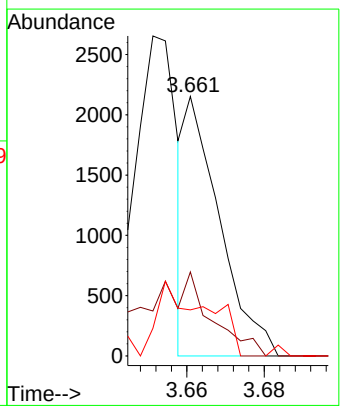


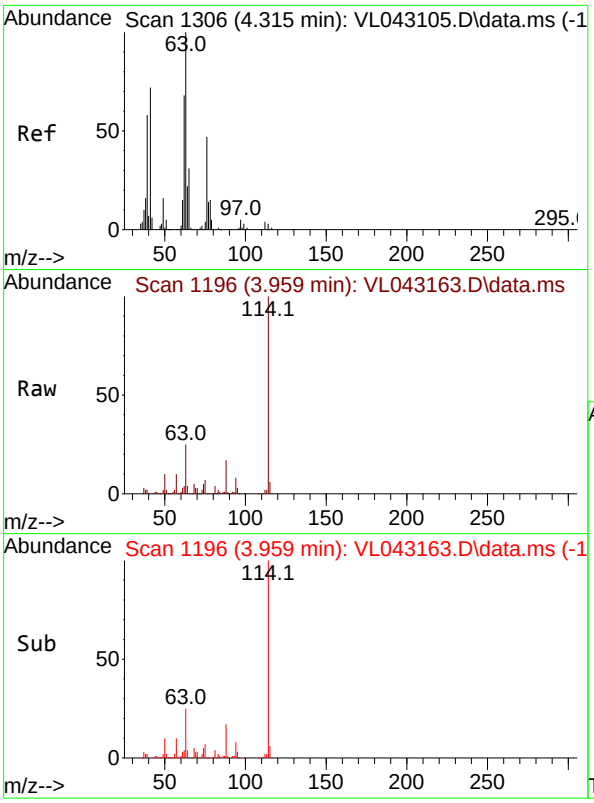


#36
Benzene
Concen: 0.041 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 78 Resp: 1338

Ion	Ratio	Lower	Upper
78	100		
77	31.6	17.0	25.6#
50	32.9	14.6	22.0#



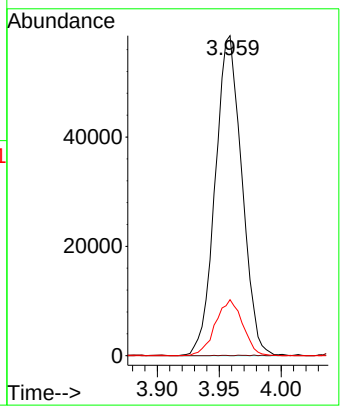


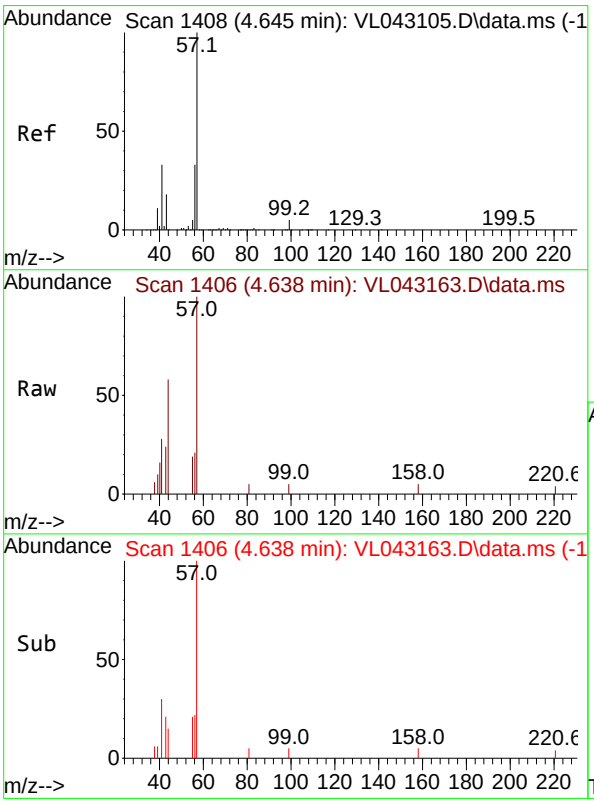
#39
1,2-Dichloropropane
Concen: 7.431 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.356 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion: 63 Resp: 87782

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.0	87.0#
62	17.5	54.7	82.1#

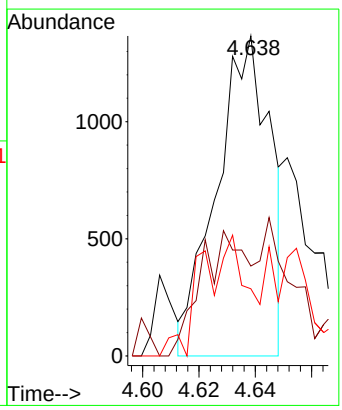


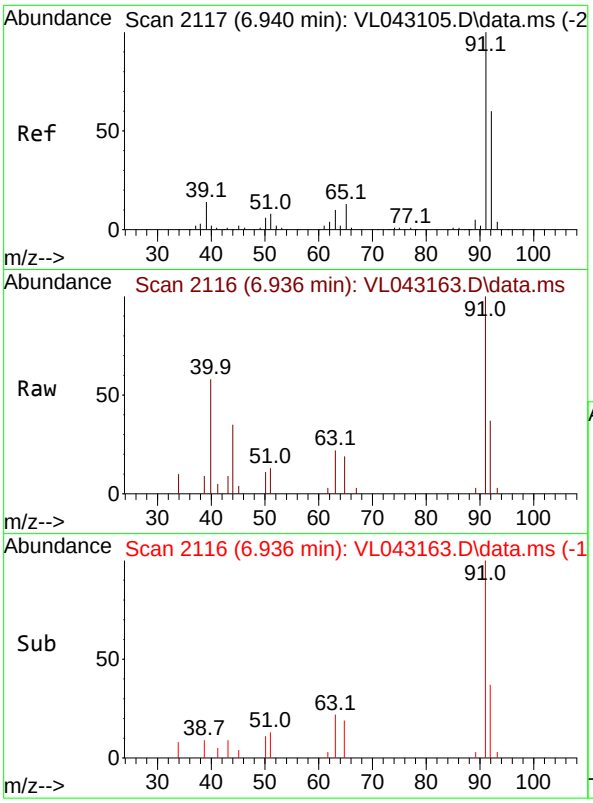


#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion: 57 Resp: 1800

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.3	39.5#
56	55.5	25.9	38.9#



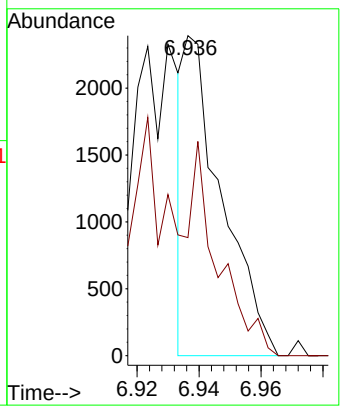


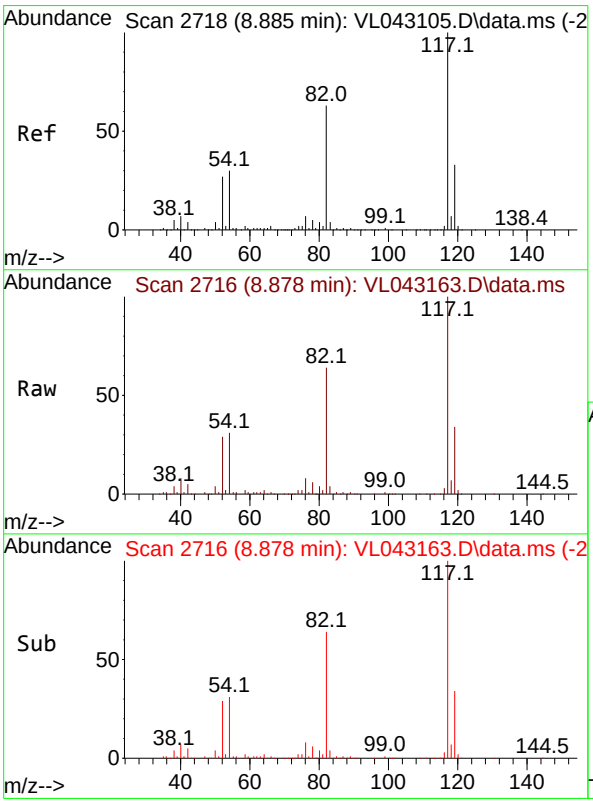
#53
Toluene
Concen: 0.053 ppbv
RT: 6.936 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion: 91 Resp: 2020

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.8	73.2#

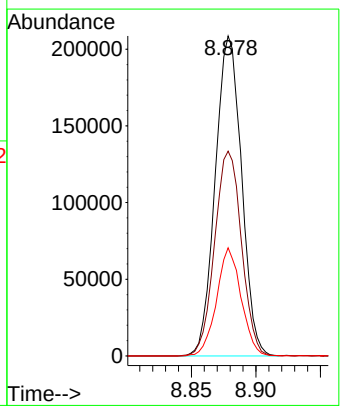


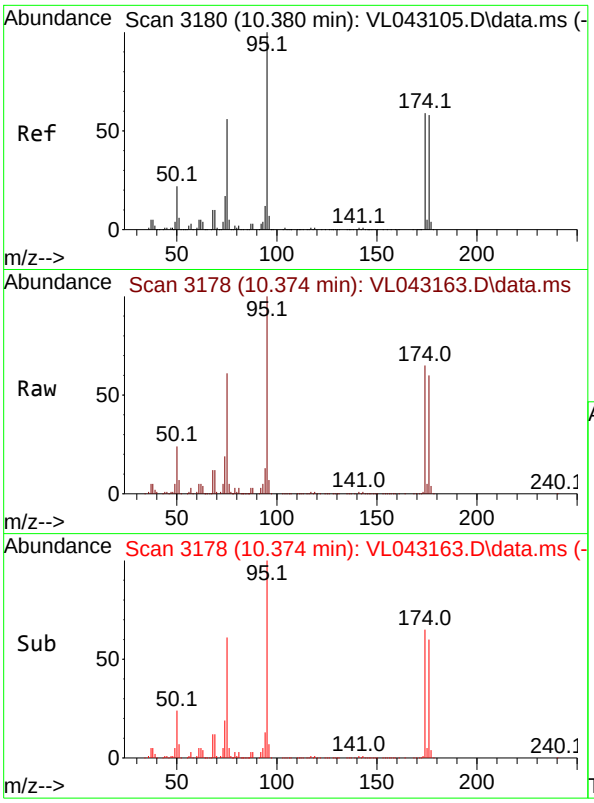


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.007 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Tgt Ion:117 Resp: 295343

Ion	Ratio	Lower	Upper
117	100		
82	65.3	53.8	80.8
119	31.7	25.4	38.0



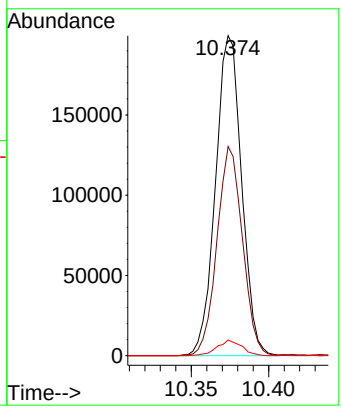


#68
1-Bromo-4-Fluorobenzene
Concen: 10.193 ppbv
RT: 10.374 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043163.D
Acq: 06 Nov 2025 12:44

Instrument :
MSVOA_L
ClientSampleId :
141-AA-1

Tgt Ion: 95 Resp: 233984

Ion	Ratio	Lower	Upper
95	100		
174	64.1	48.3	72.5
175	4.6	3.8	5.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043164.D
Acq On : 06 Nov 2025 13:17
Operator : SY/MD
Sample : Q3557-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Quant Time: Nov 07 00:21:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

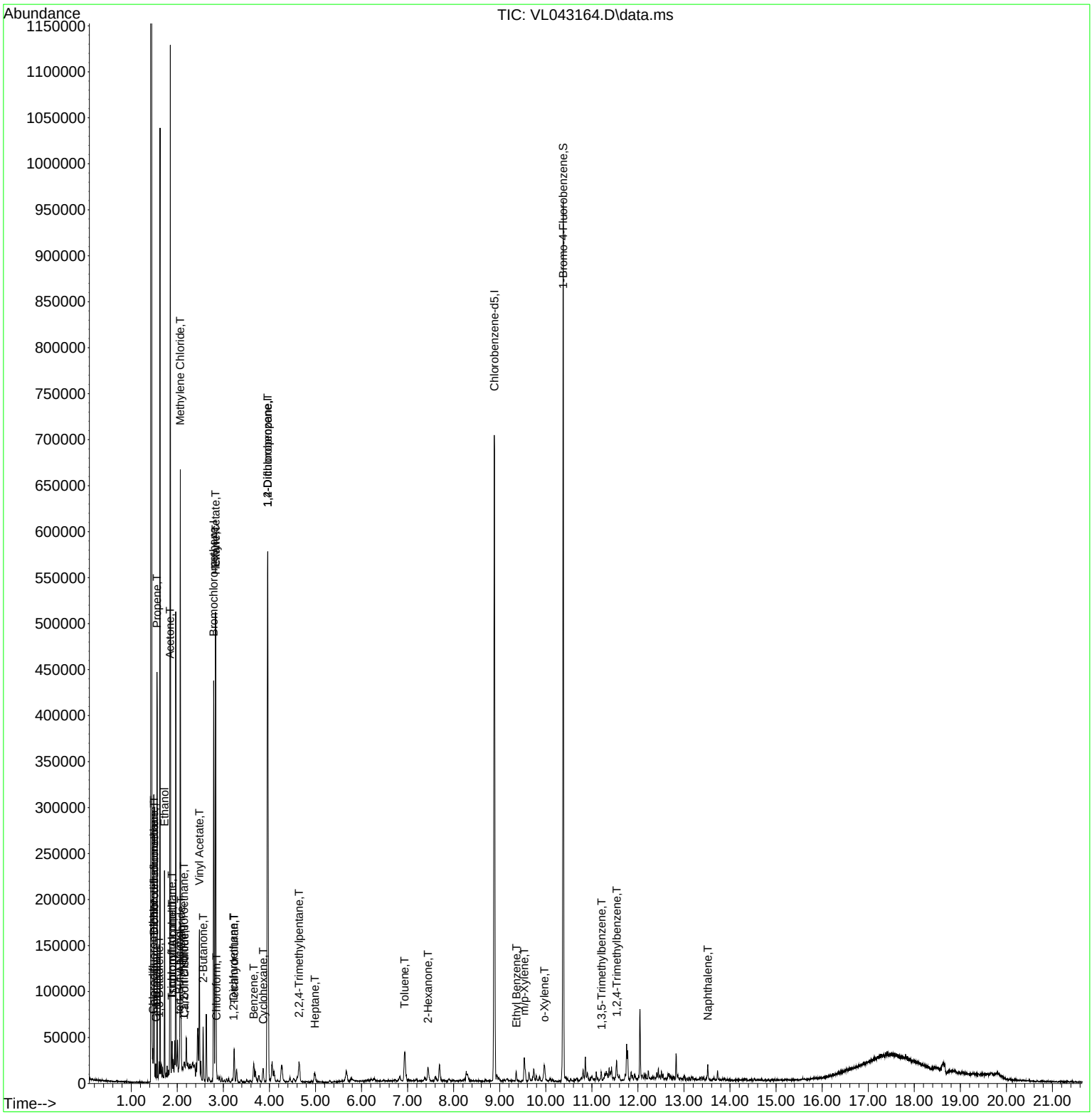
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	115366	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	342427	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	290452	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	237353	10.513	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	24649	1.503	ppbv		96
3) Chlorodifluoromethane	1.476	51	11497	0.648	ppbv	#	79
4) Chloromethane	1.534	50	2908	0.448	ppbv		96
8) Dichlorotetrafluoroethane	1.499	85	24649	1.859	ppbv	#	21
9) Propene	1.560	41	45237	5.748	ppbv		98
10) Heptane	4.985	43	1712	0.076	ppbv	#	27
11) Trichlorofluoromethane	1.884	101	5366	0.334	ppbv		94
12) 1,1,2-Trichlorotrifluo...	2.146	101	1035	0.080	ppbv		91
13) Ethanol	1.722	45	76195	26.173	ppbv		100
15) Acetone	1.839	43	138148	8.884	ppbv		92
16) 1,3-Butadiene	1.602	39	1714	0.231	ppbv	#	13
17) tert-Butyl alcohol	2.046	59	1651	0.077	ppbv	#	72
19) Isopropyl Alcohol	1.887	45	9578	0.989	ppbv	#	1
20) Methylene Chloride	2.065	84	97396	15.846	ppbv		93
21) Allyl Chloride	2.081	41	3894	0.340	ppbv	#	1
23) Vinyl Acetate	2.479	43	43597	1.914	ppbv	#	50
25) Ethyl Acetate	2.829	43	86024	2.231	ppbv	#	80
26) Hexane	2.832	57	122149	6.875	ppbv	#	42
27) Carbon Disulfide	2.156	76	508	0.031	ppbv	#	1
29) Chloroform	2.852	83	1705	0.066	ppbv	#	75
30) Cyclohexane	3.865	84	3316	0.214	ppbv	#	79
34) 2-Butanone	2.560	43	34716	1.508	ppbv		99
36) Benzene	3.661	78	12305	0.382	ppbv		98
37) 1,2-Dichloroethane	3.224	62	1623	0.087	ppbv	#	94
39) 1,2-Dichloropropane	3.962	63	85408	7.244	ppbv	#	24
41) Tetrahydrofuran	3.237	42	2049	0.159	ppbv	#	63
44) 2,2,4-Trimethylpentane	4.641	57	17870	0.328	ppbv	#	78
51) 2-Hexanone	7.441	43	5610	0.235	ppbv	#	53
53) Toluene	6.936	91	22705	0.593	ppbv		97
58) Ethyl Benzene	9.360	91	2883	0.058	ppbv		94
59) m/p-Xylene	9.535	91	15295	0.385	ppbv		99
60) o-Xylene	9.969	91	5758	0.147	ppbv		94
73) 1,3,5-Trimethylbenzene	11.209	105	1713	0.043	ppbv	#	81
74) 1,2,4-Trimethylbenzene	11.539	105	5751	0.129	ppbv	#	55
79) Naphthalene	13.516	128	6044	0.130	ppbv		99

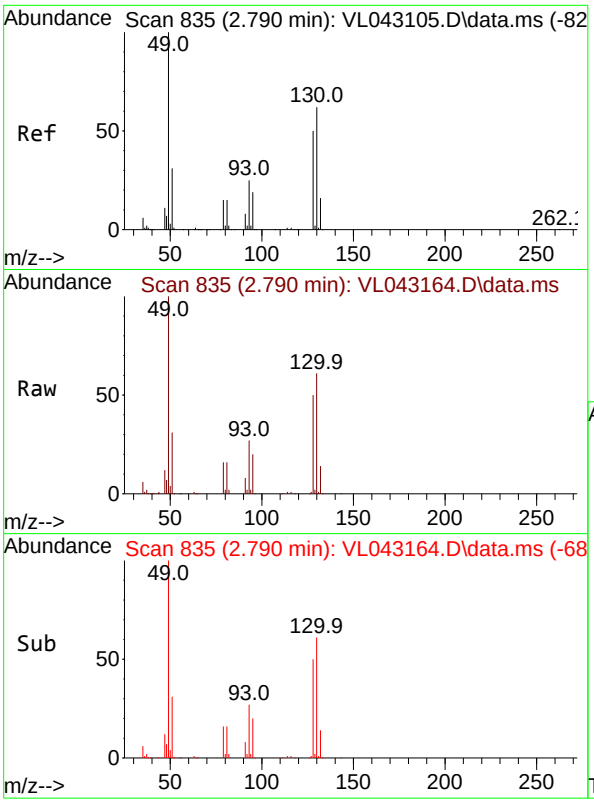
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043164.D
Acq On : 06 Nov 2025 13:17
Operator : SY/MD
Sample : Q3557-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Quant Time: Nov 07 00:21:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



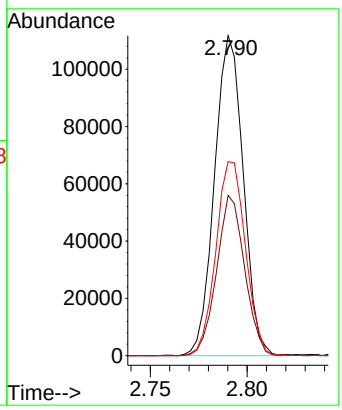


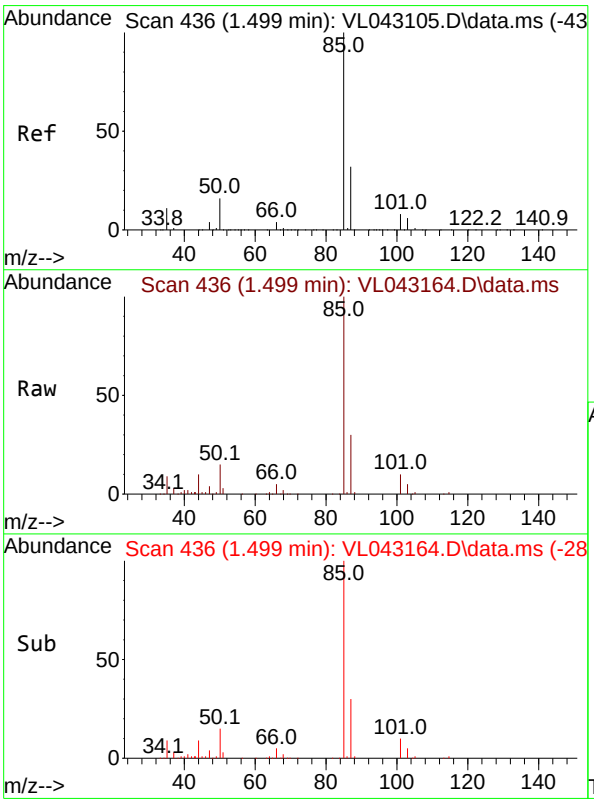
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 49 Resp: 115366

Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.4	73.4
130	62.7	31.0	93.0

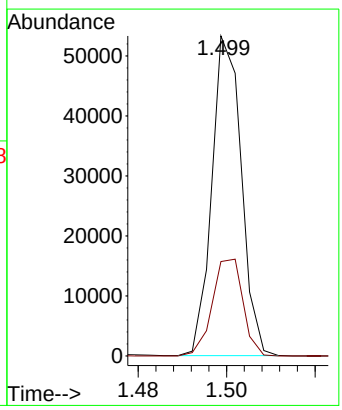


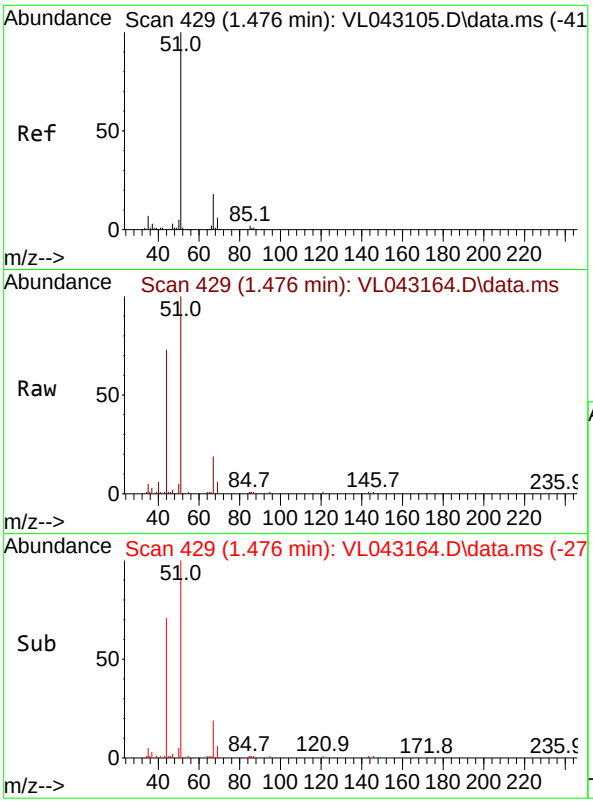


#2
Dichlorodifluoromethane
Concen: 1.503 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 85 Resp: 24649

Ion	Ratio	Lower	Upper
85	100		
87	29.5	25.3	37.9



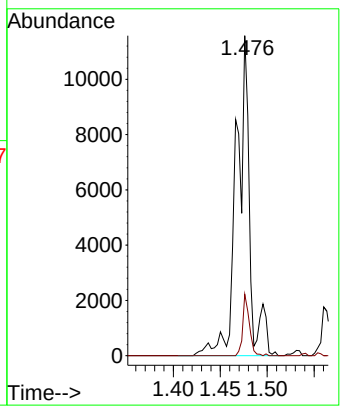


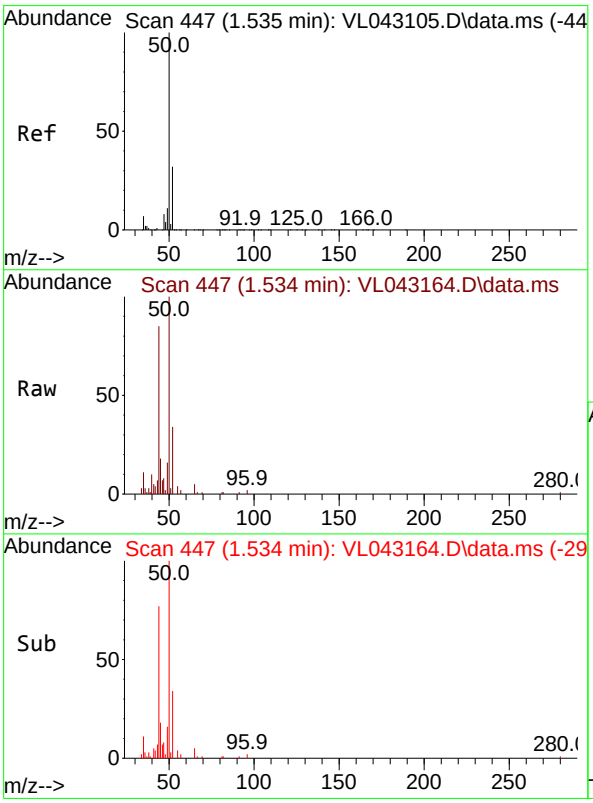
#3
Chlorodifluoromethane
Concen: 0.648 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 51 Resp: 11497

Ion	Ratio	Lower	Upper
51	100		
67	9.5	15.1	22.7#

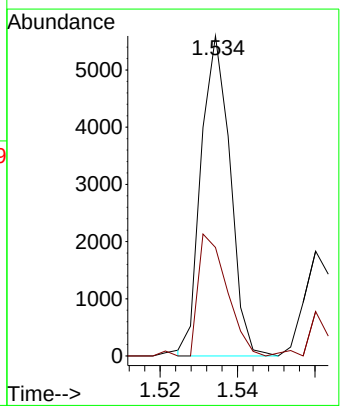


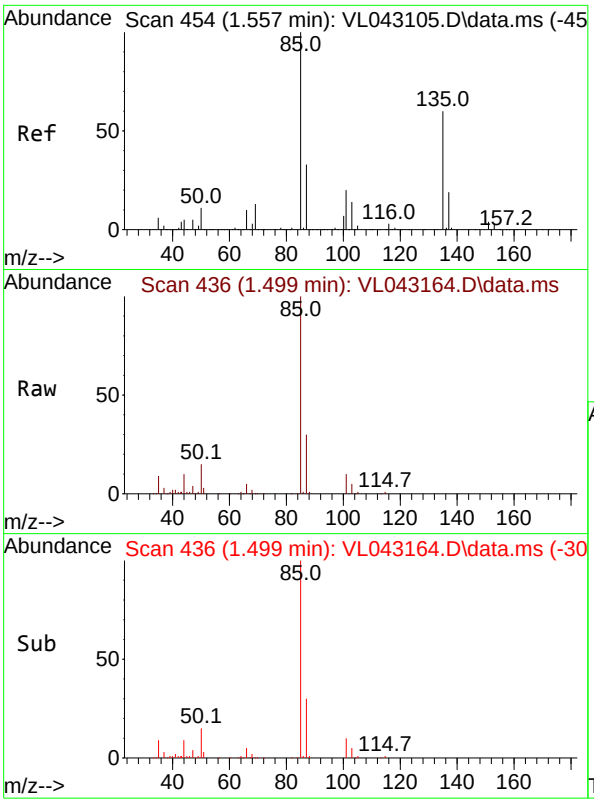


#4
Chloromethane
Concen: 0.448 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 50 Resp: 2908

Ion	Ratio	Lower	Upper
50	100		
52	33.9	25.2	37.8



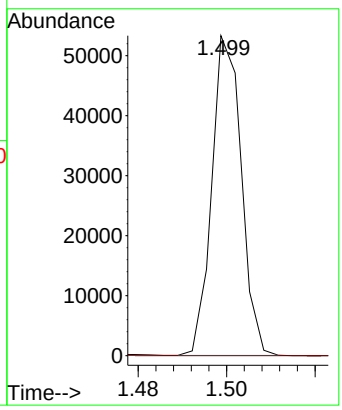


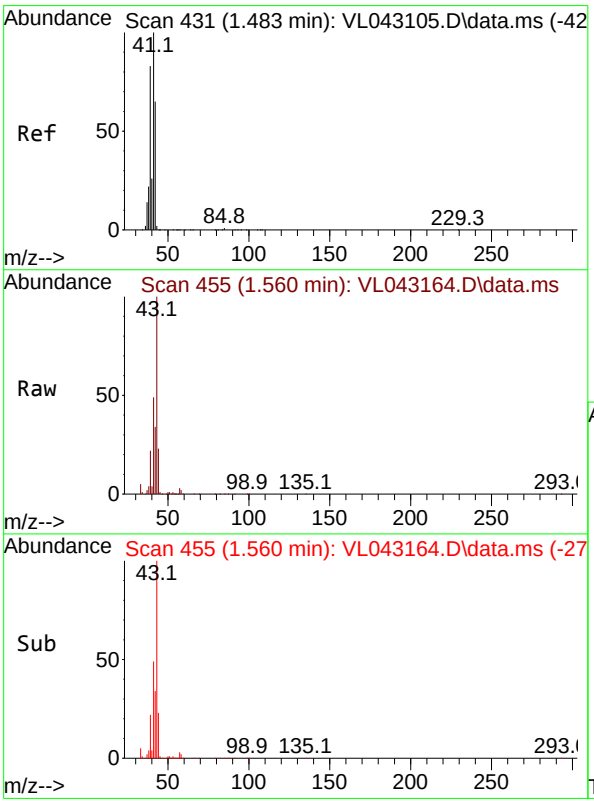
#8
Dichlorotetrafluoroethane
Concen: 1.859 ppbv
RT: 1.499 min Scan# 4
Delta R.T. -0.059 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 85 Resp: 24649

Ion	Ratio	Lower	Upper
85	100		
135	0.6	48.2	72.4#

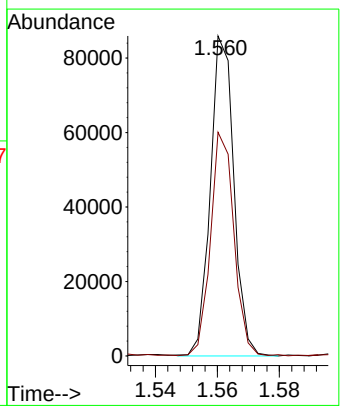


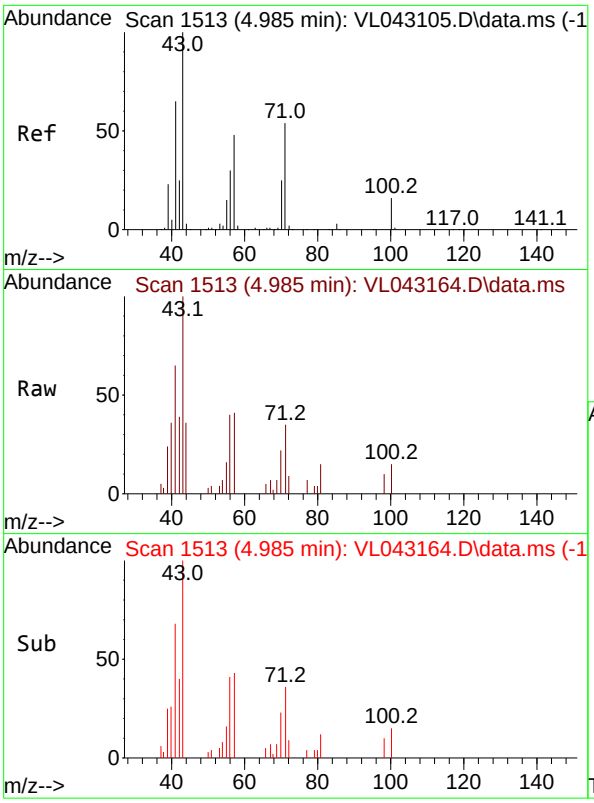


#9
Propene
Concen: 5.748 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.077 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 41 Resp: 45237

Ion	Ratio	Lower	Upper
41	100		
42	70.2	55.1	82.7



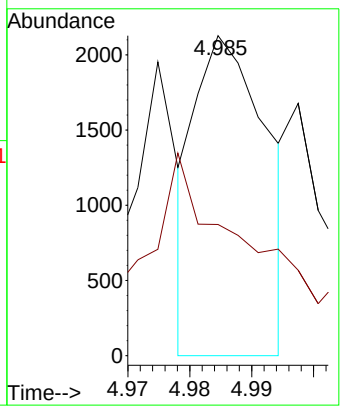


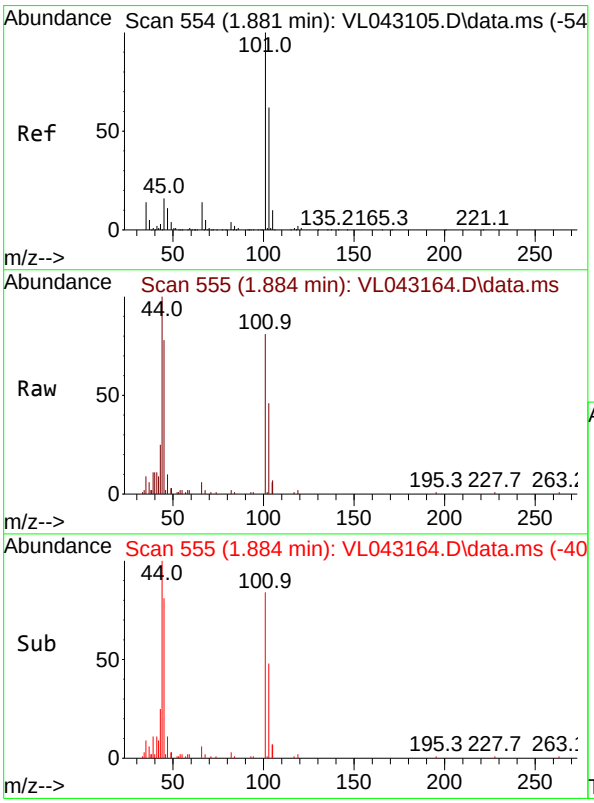
#10
Heptane
Concen: 0.076 ppbv
RT: 4.985 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 43 Resp: 1712

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.8	61.2#

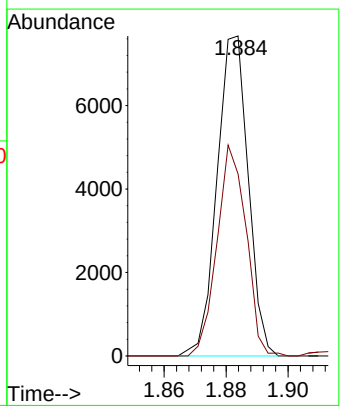


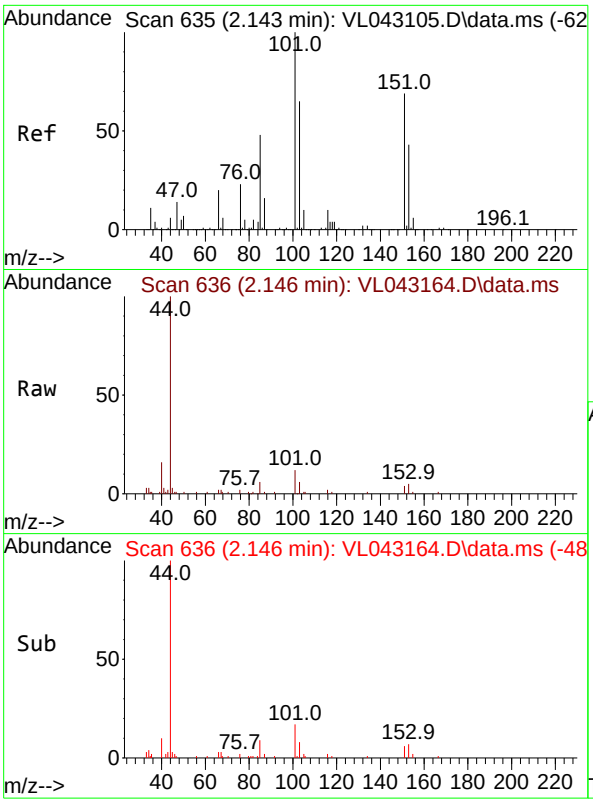


#11
Trichlorofluoromethane
Concen: 0.334 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion:101 Resp: 5366

Ion	Ratio	Lower	Upper
101	100		
103	56.9	49.3	73.9



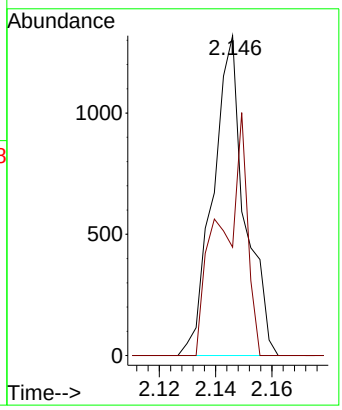


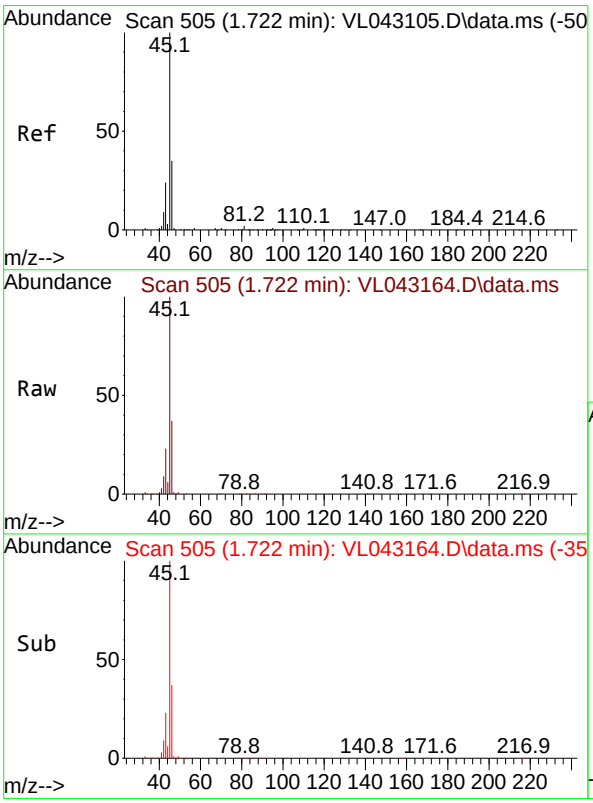
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.080 ppbv
RT: 2.146 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion:101 Resp: 1035

Ion	Ratio	Lower	Upper
101	100		
151	61.2	54.7	82.1

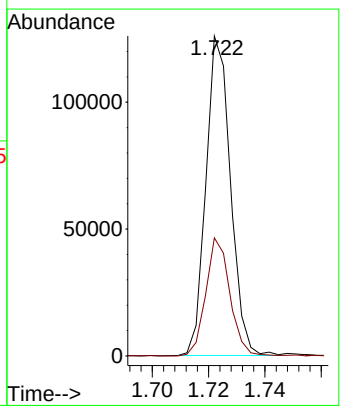


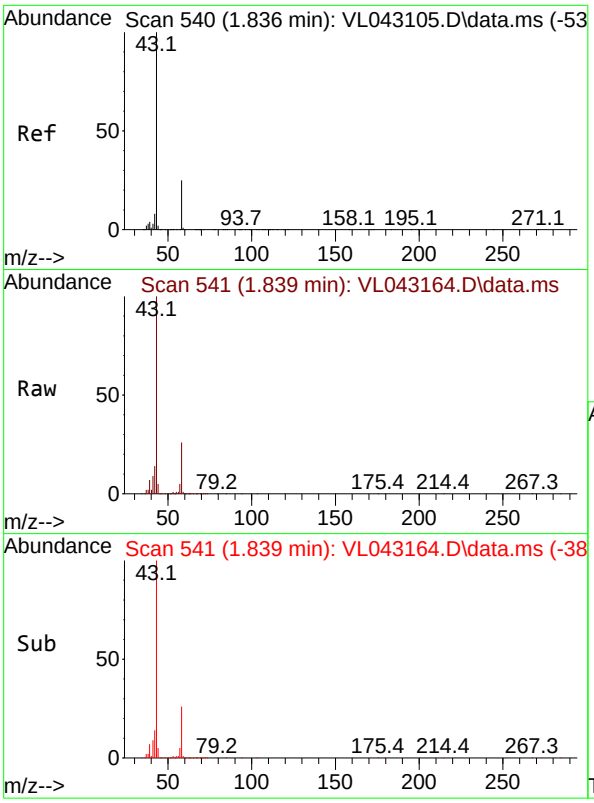


#13
Ethanol
Concen: 26.173 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 45 Resp: 76195

Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.7	58.9



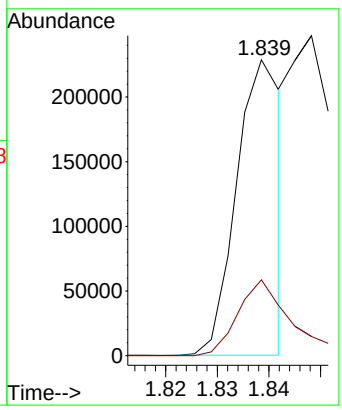


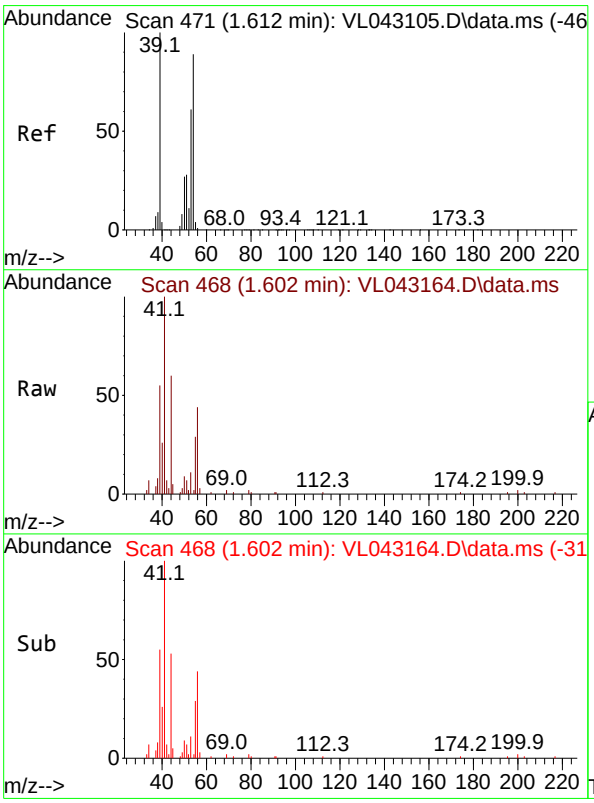
#15
Acetone
Concen: 8.884 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 43 Resp: 138148

Ion	Ratio	Lower	Upper
43	100		
58	30.2	20.8	31.2

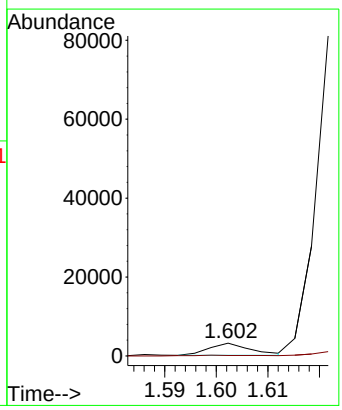


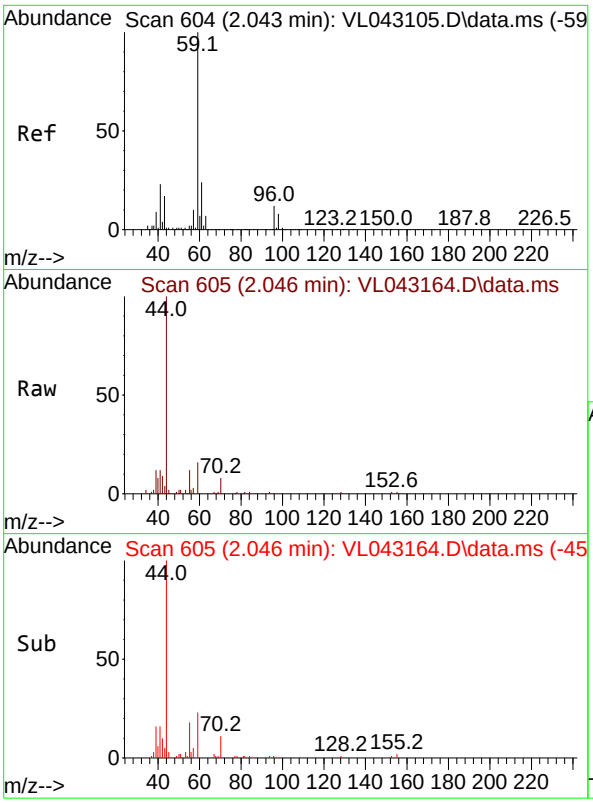


#16
1,3-Butadiene
Concen: 0.231 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.010 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 39 Resp: 1714

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.0	88.4#



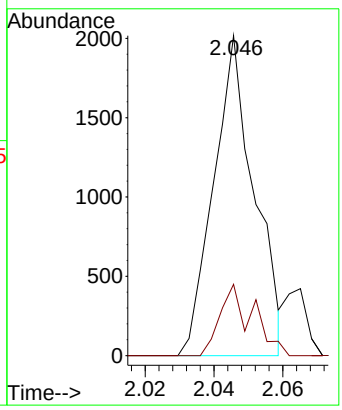


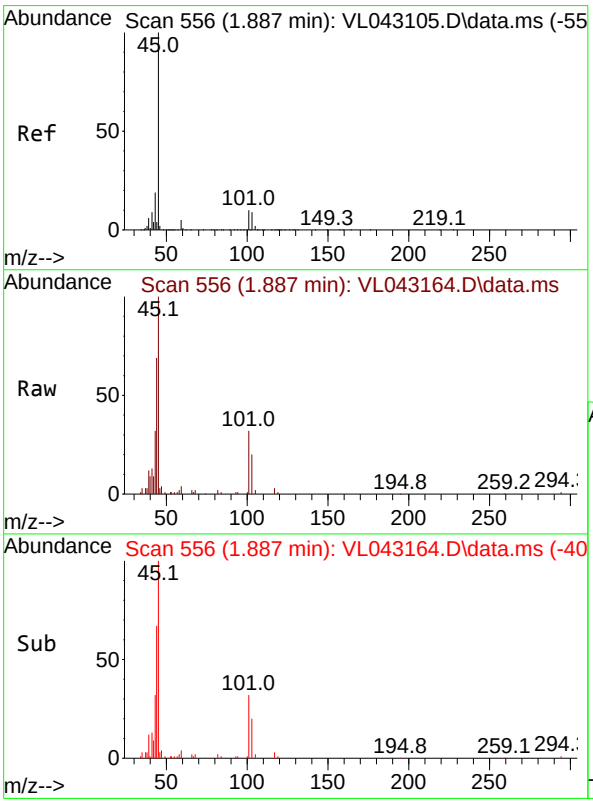
#17
tert-Butyl alcohol
Concen: 0.077 ppbv
RT: 2.046 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 59 Resp: 1651

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

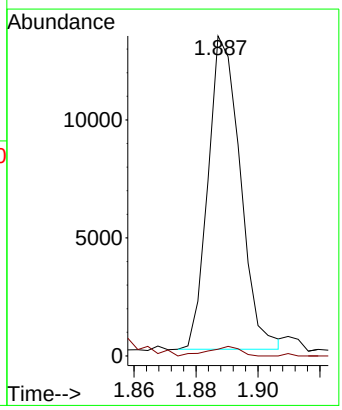


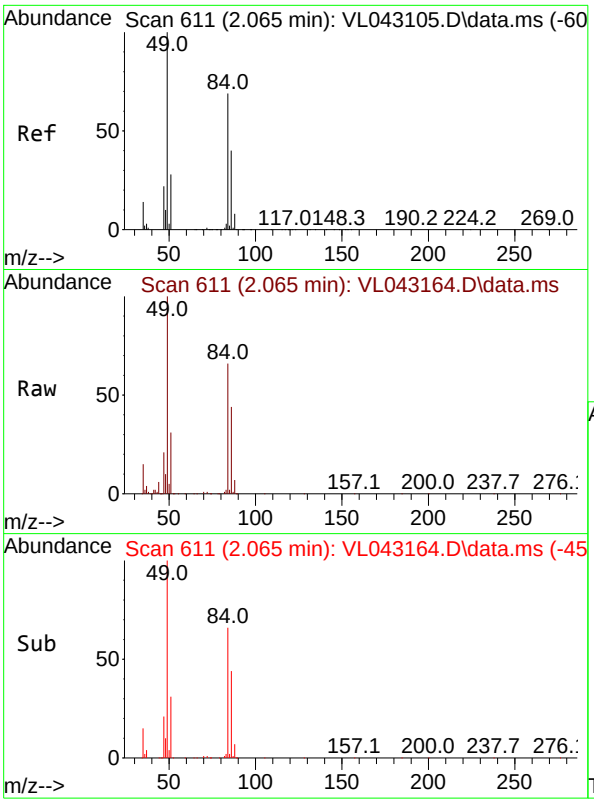


#19
Isopropyl Alcohol
Concen: 0.989 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 45 Resp: 9578

Ion	Ratio	Lower	Upper
45	100		
58	434.7	31.3	46.9#



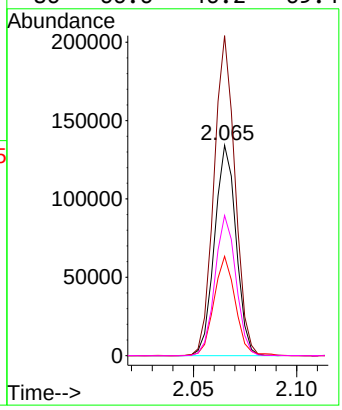


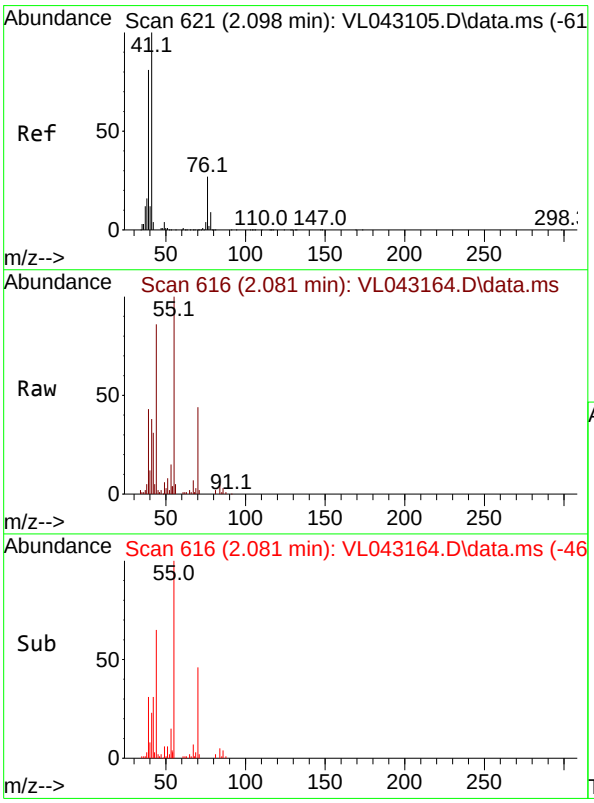
#20
Methylene Chloride
Concen: 15.846 ppbv
RT: 2.065 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 84 Resp: 97396

Ion	Ratio	Lower	Upper
84	100		
49	152.0	116.6	175.0
51	47.2	34.8	52.2
86	66.6	46.2	69.4

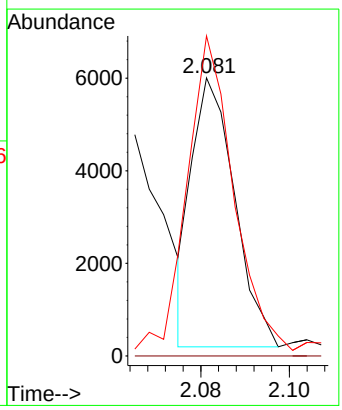


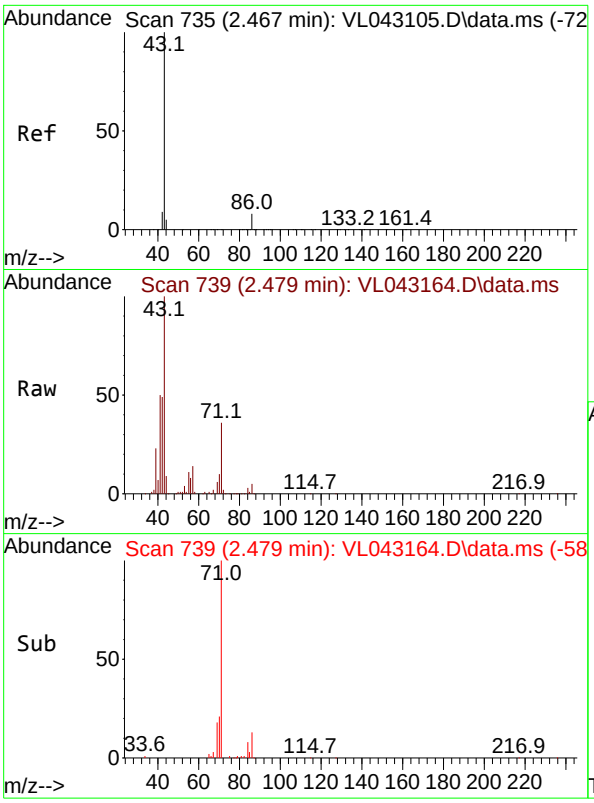


#21
Allyl Chloride
Concen: 0.340 ppbv
RT: 2.081 min Scan# 616
Delta R.T. -0.016 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 41 Resp: 3894

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.5	32.3#
39	181.7	60.8	91.2#



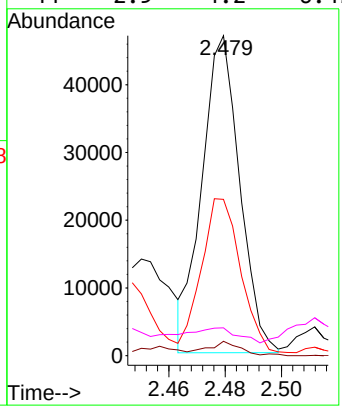


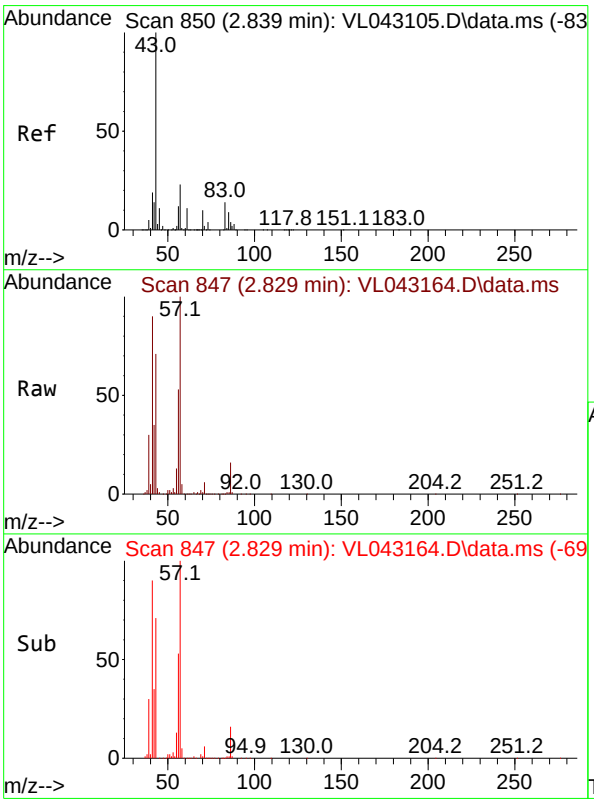
#23
Vinyl Acetate
Concen: 1.914 ppbv
RT: 2.479 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 43 Resp: 43597

Ion	Ratio	Lower	Upper
43	100		
86	4.2	6.2	9.2#
42	48.7	7.6	11.4#
44	2.9	4.2	6.4#

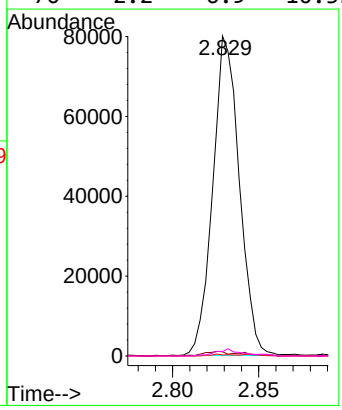


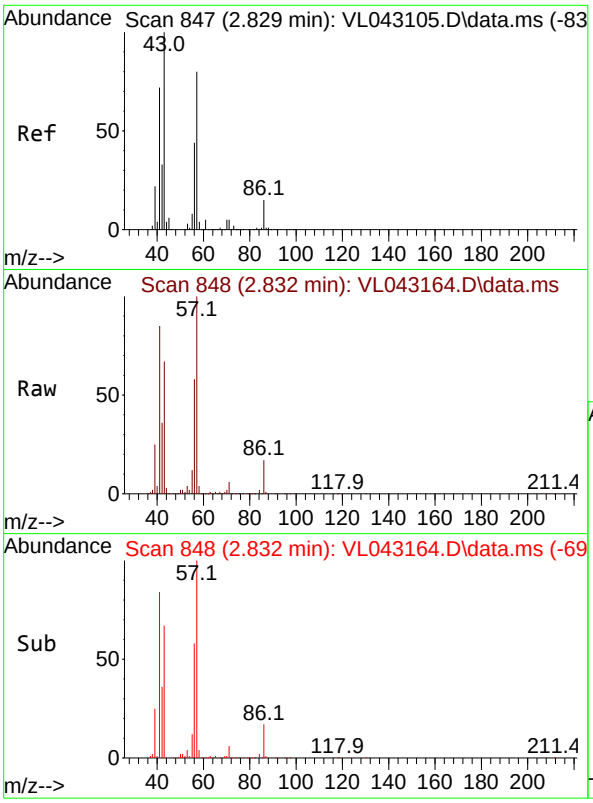


#25
Ethyl Acetate
Concen: 2.231 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.010 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 43 Resp: 86024

Ion	Ratio	Lower	Upper
43	100		
45	2.0	7.8	11.8#
61	0.8	7.0	10.6#
70	2.2	6.9	10.3#



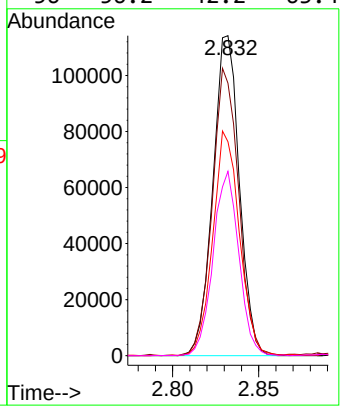


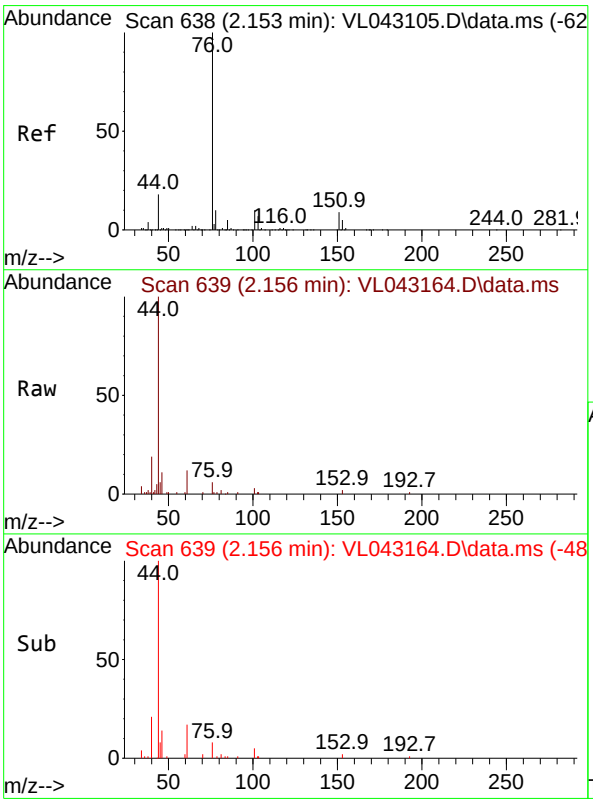
#26
Hexane
Concen: 6.875 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 57 Resp: 122149

Ion	Ratio	Lower	Upper
57	100		
41	90.6	71.4	107.0
43	71.8	178.5	267.7#
56	56.2	42.2	63.4

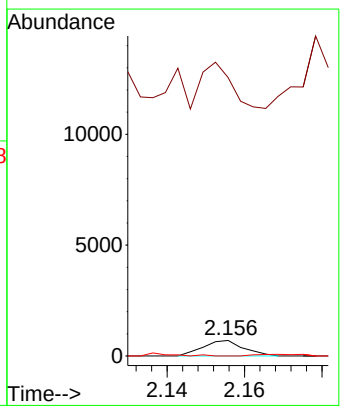


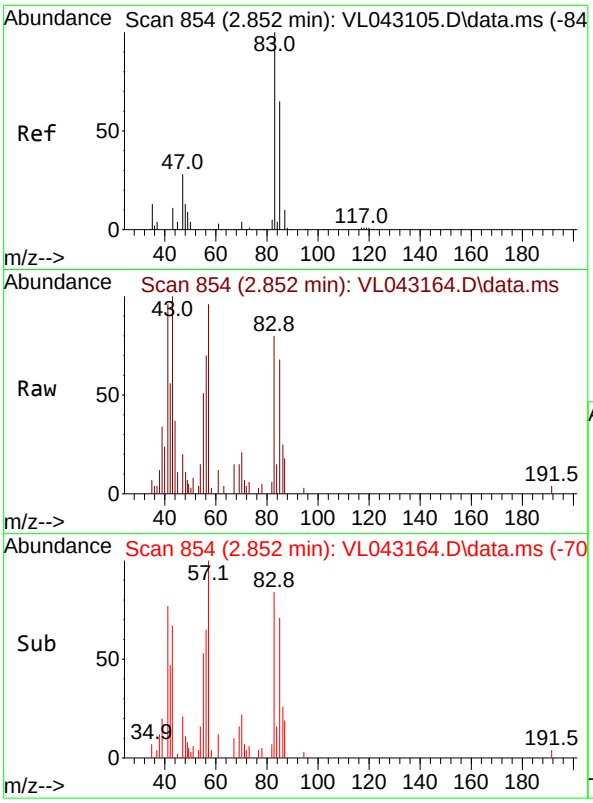


#27
Carbon Disulfide
Concen: 0.031 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 76 Resp: 508

Ion	Ratio	Lower	Upper
76	100		
44	6293.9	16.7	25.1#
78	11.2	9.3	13.9



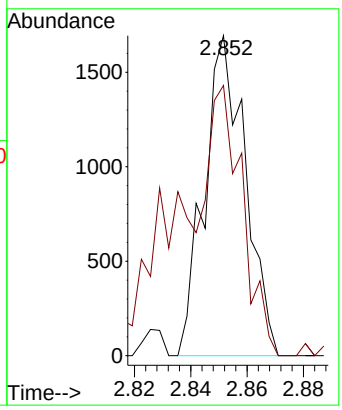


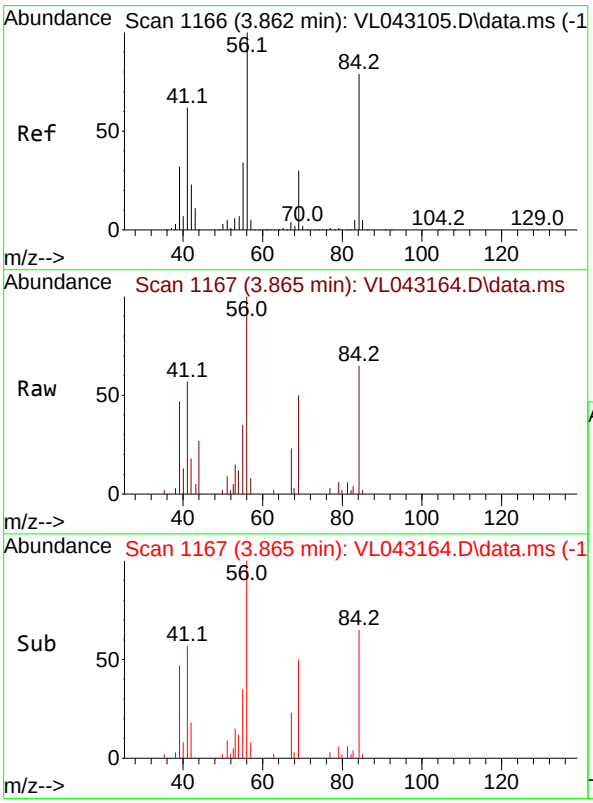
#29
Chloroform
Concen: 0.066 ppbv
RT: 2.852 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 83 Resp: 1705

Ion	Ratio	Lower	Upper
83	100		
85	84.5	51.8	77.6#

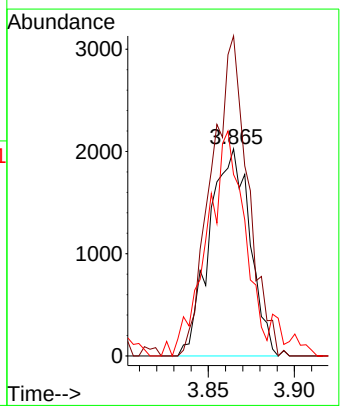


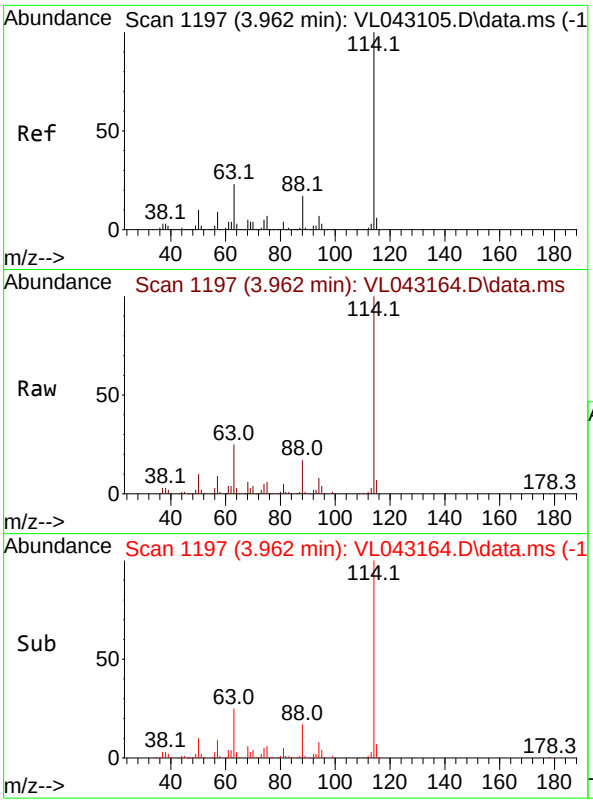


#30
Cyclohexane
Concen: 0.214 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 84 Resp: 3316

Ion	Ratio	Lower	Upper
84	100		
56	140.3	100.9	151.3
41	109.4	63.8	95.6#



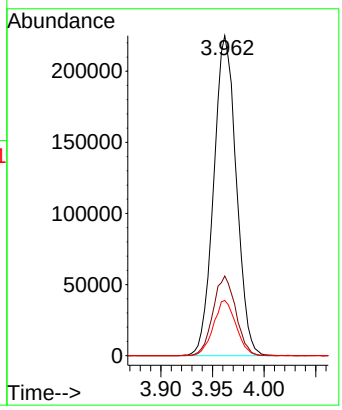


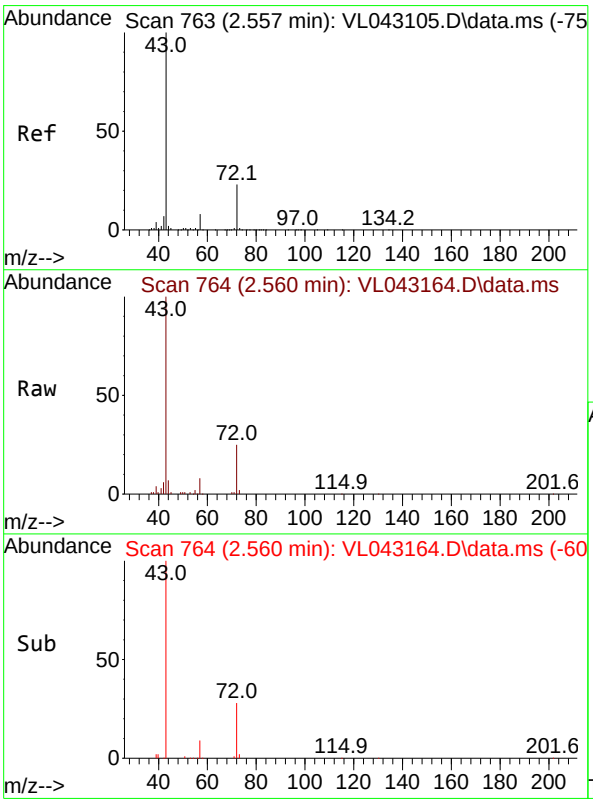
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion:114 Resp: 342427

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.3	28.9
88	17.2	13.9	20.9

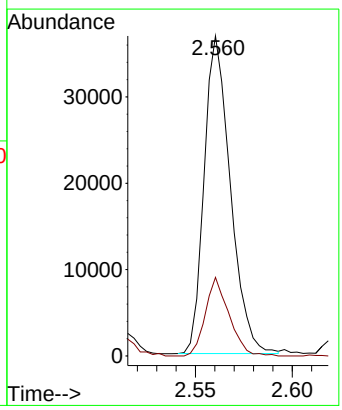


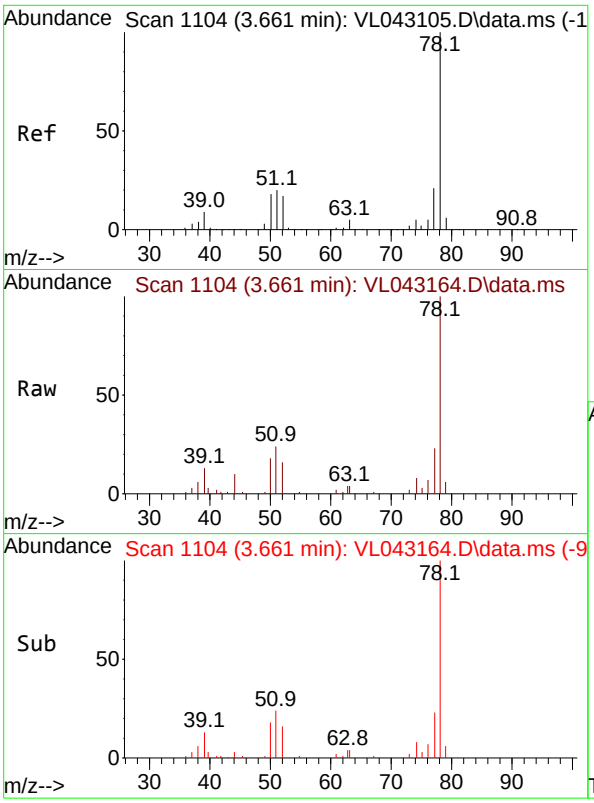


#34
2-Butanone
Concen: 1.508 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 43 Resp: 34716

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.4	27.6



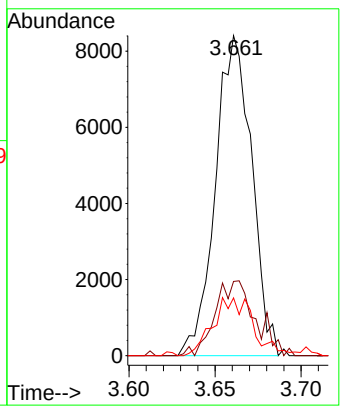


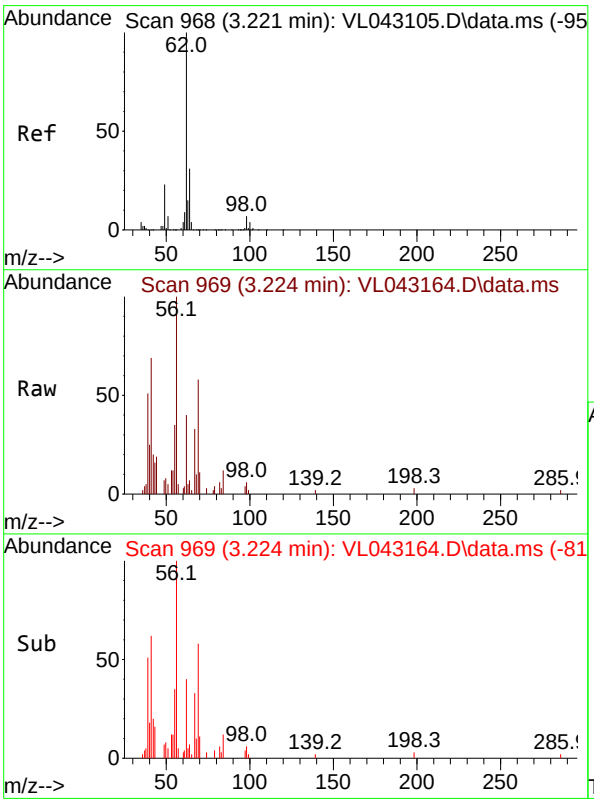
#36
Benzene
Concen: 0.382 ppbv
RT: 3.661 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 78 Resp: 12305

Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.0	25.6
50	18.0	14.6	22.0

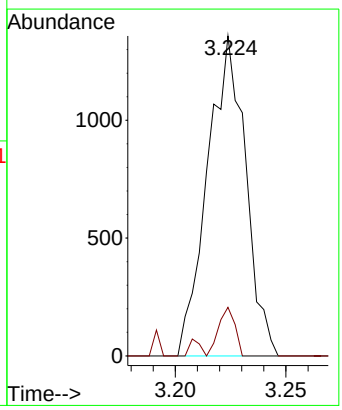


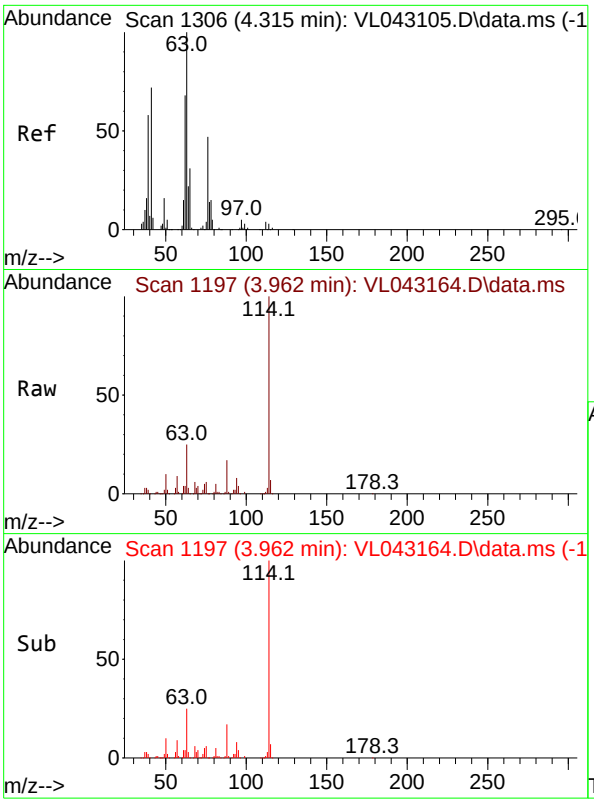


#37
1,2-Dichloroethane
Concen: 0.087 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 62 Resp: 1623

Ion	Ratio	Lower	Upper
62	100		
98	9.3	5.8	8.6#



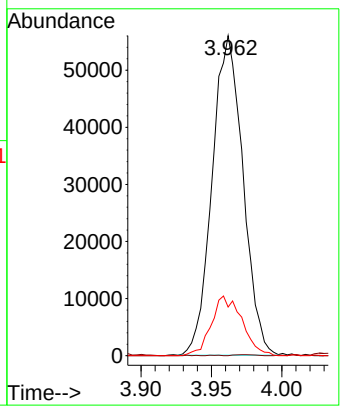


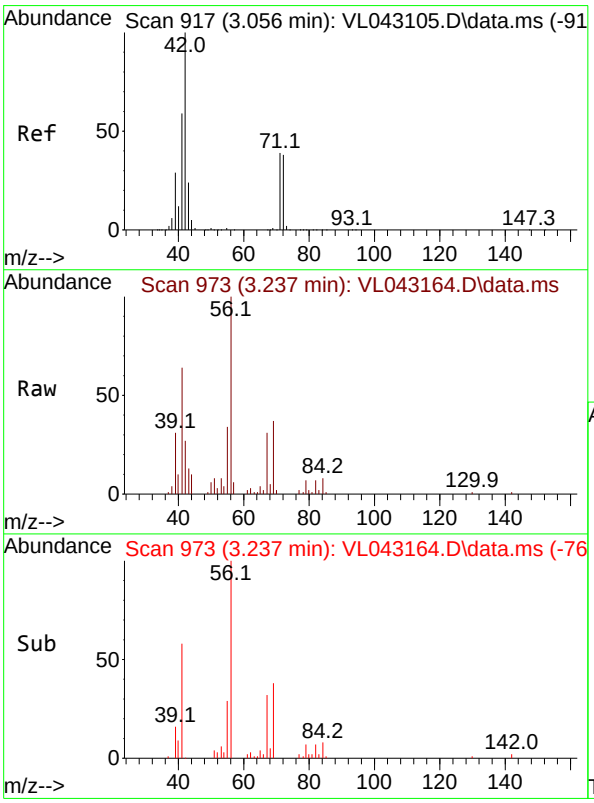
#39
1,2-Dichloropropane
Concen: 7.244 ppbv
RT: 3.962 min Scan# 11
Delta R.T. -0.353 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 63 Resp: 85408

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.0	87.0#
62	15.2	54.7	82.1#

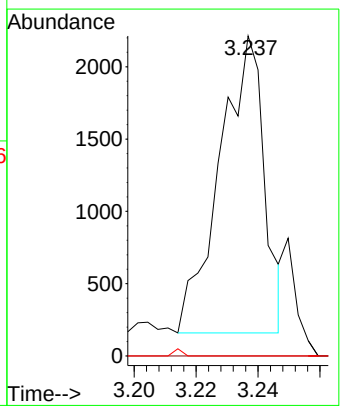


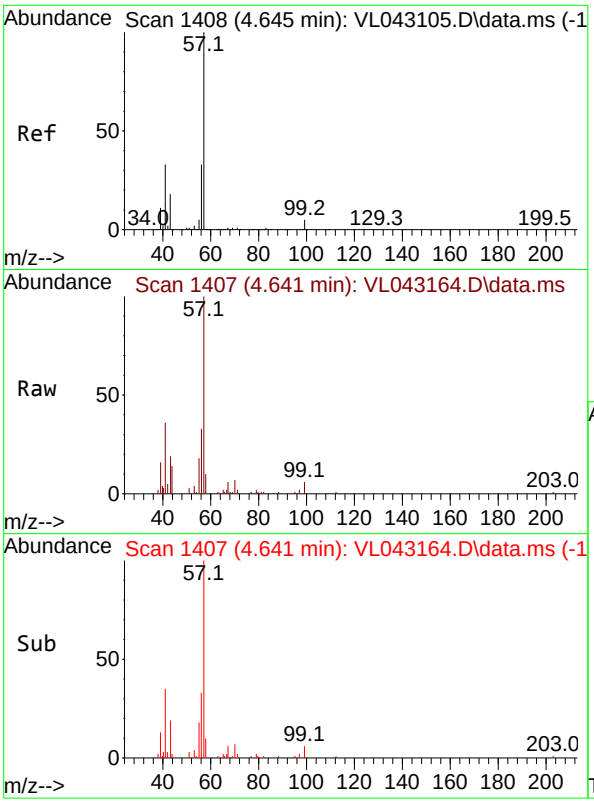


#41
Tetrahydrofuran
Concen: 0.159 ppbv
RT: 3.237 min Scan# 973
Delta R.T. 0.181 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 42 Resp: 2049

Ion	Ratio	Lower	Upper
42	100		
72	16.7	31.3	46.9#
71	15.5	30.4	45.6#



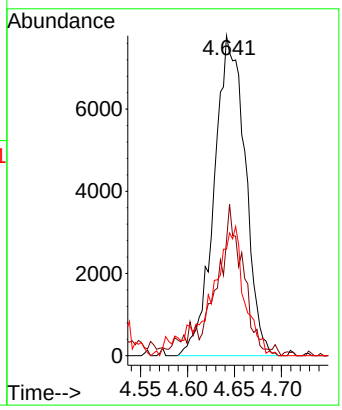


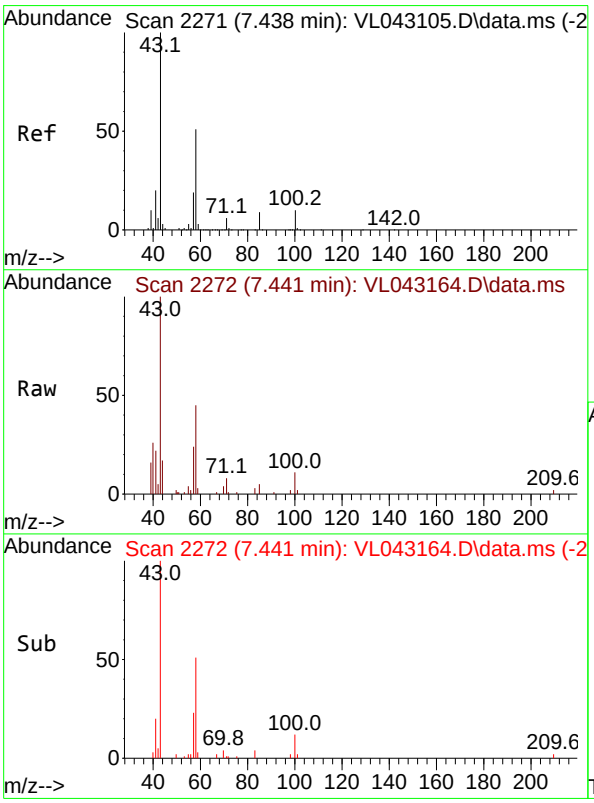
#44
2,2,4-Trimethylpentane
Concen: 0.328 ppbv
RT: 4.641 min Scan# 14
Delta R.T. -0.004 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 57 Resp: 17870

Ion	Ratio	Lower	Upper
57	100		
41	45.5	26.3	39.5#
56	44.3	25.9	38.9#

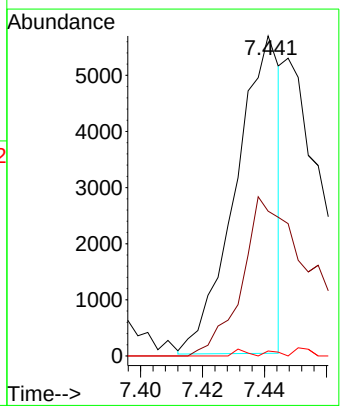


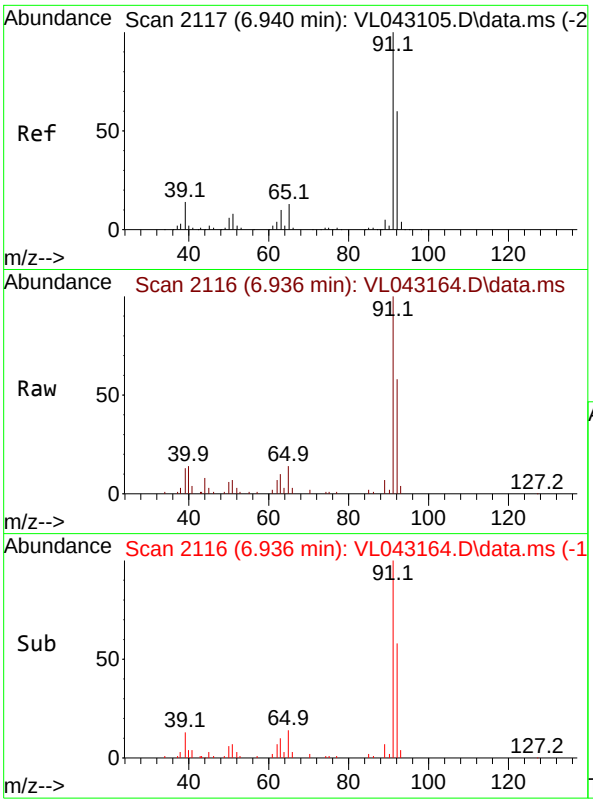


#51
2-Hexanone
Concen: 0.235 ppbv
RT: 7.441 min Scan# 2272
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 43 Resp: 5610

Ion	Ratio	Lower	Upper
43	100		
58	83.3	40.4	60.6#
98	0.0	0.1	0.1#



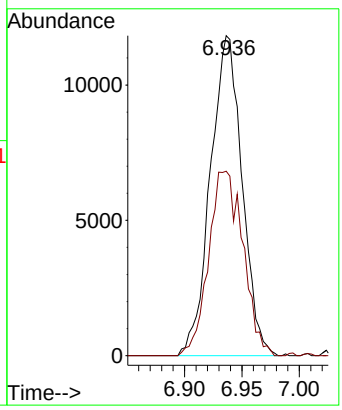


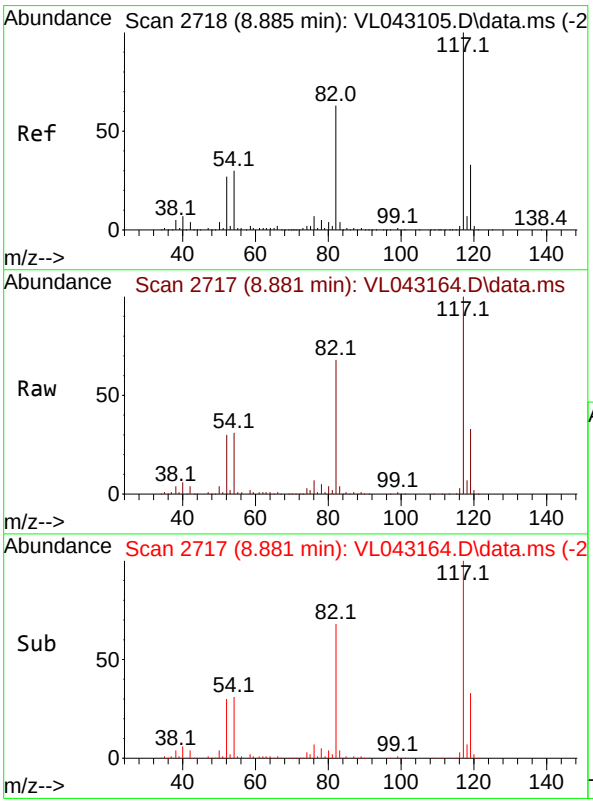
#53
Toluene
Concen: 0.593 ppbv
RT: 6.936 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 91 Resp: 22705

Ion	Ratio	Lower	Upper
91	100		
92	63.0	48.8	73.2

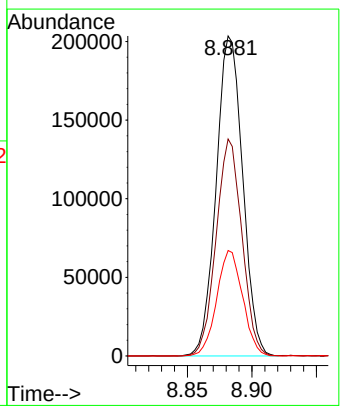


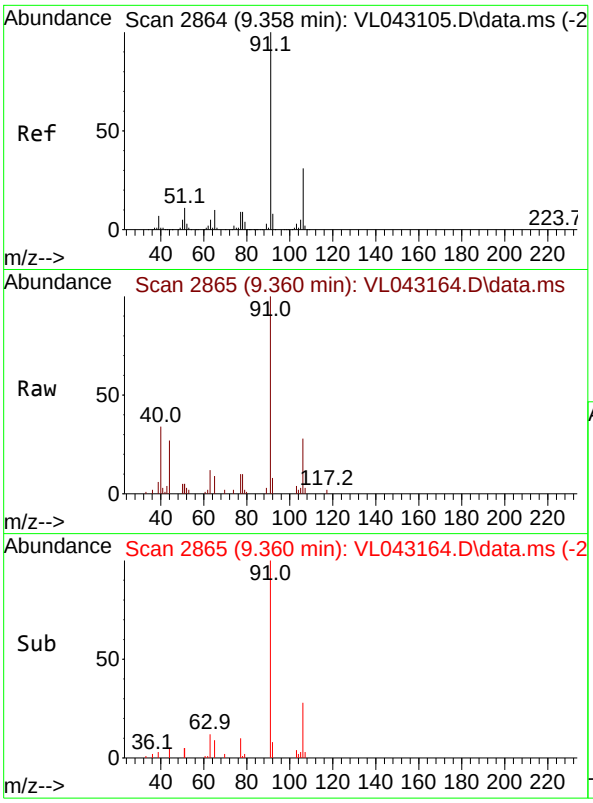


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. -0.004 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion:117 Resp: 290452

Ion	Ratio	Lower	Upper
117	100		
82	66.0	53.8	80.8
119	32.3	25.4	38.0



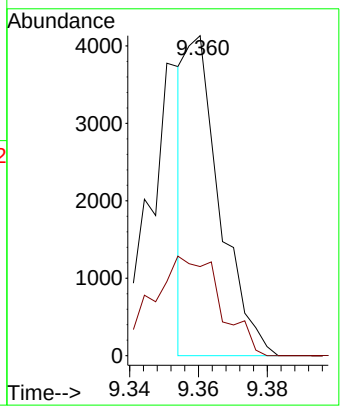


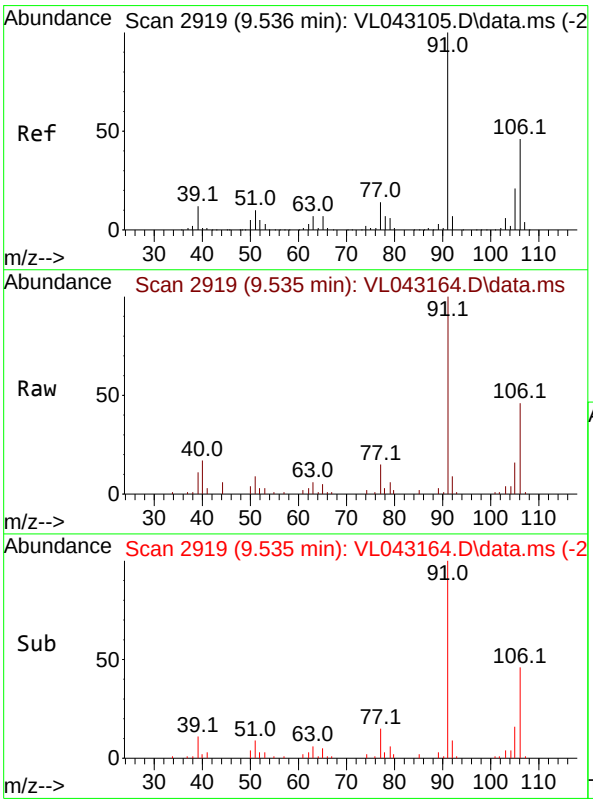
#58
Ethyl Benzene
Concen: 0.058 ppbv
RT: 9.360 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 91 Resp: 2883

Ion	Ratio	Lower	Upper
91	100		
106	27.8	24.8	37.2

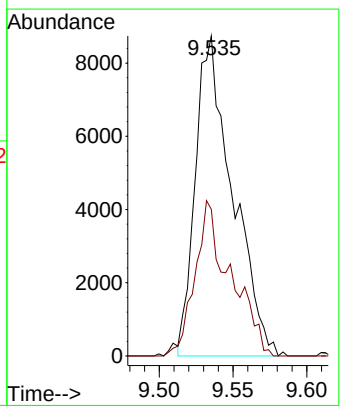


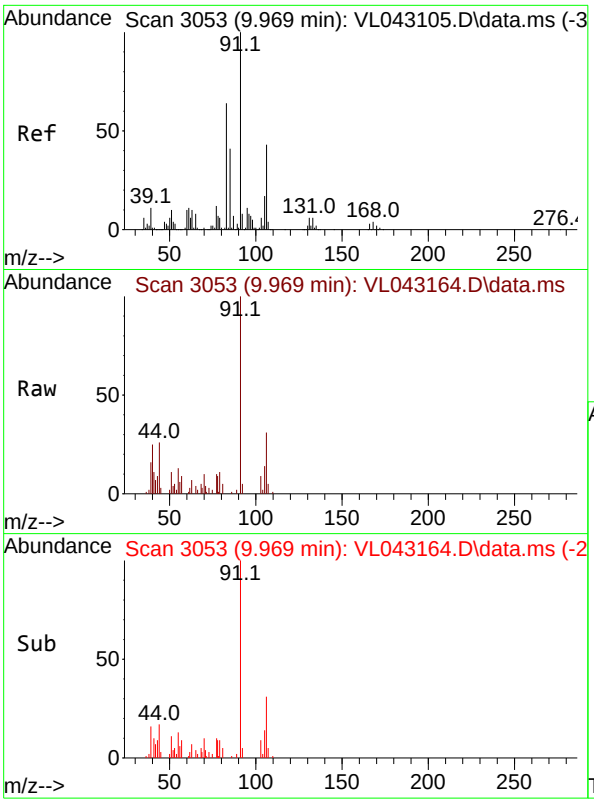


#59
m/p-Xylene
Concen: 0.385 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 91 Resp: 15295

Ion	Ratio	Lower	Upper
91	100		
106	46.5	38.0	57.0



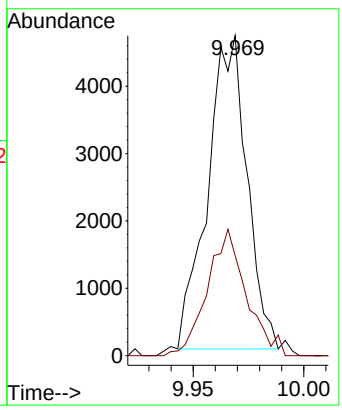


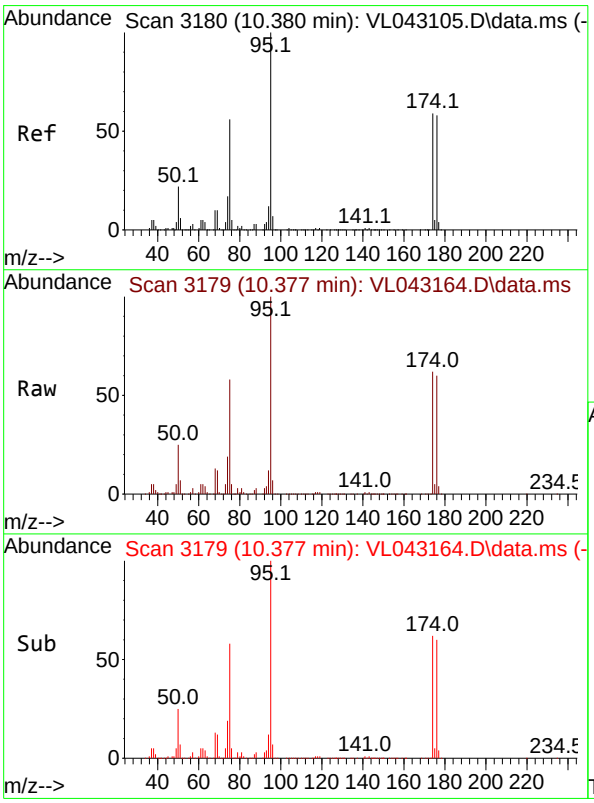
#60
o-Xylene
Concen: 0.147 ppbv
RT: 9.969 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion: 91 Resp: 5758

Ion	Ratio	Lower	Upper
91	100		
106	39.8	21.9	65.8

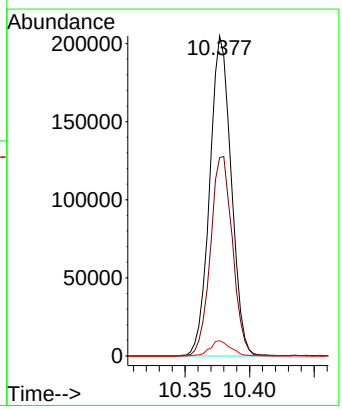


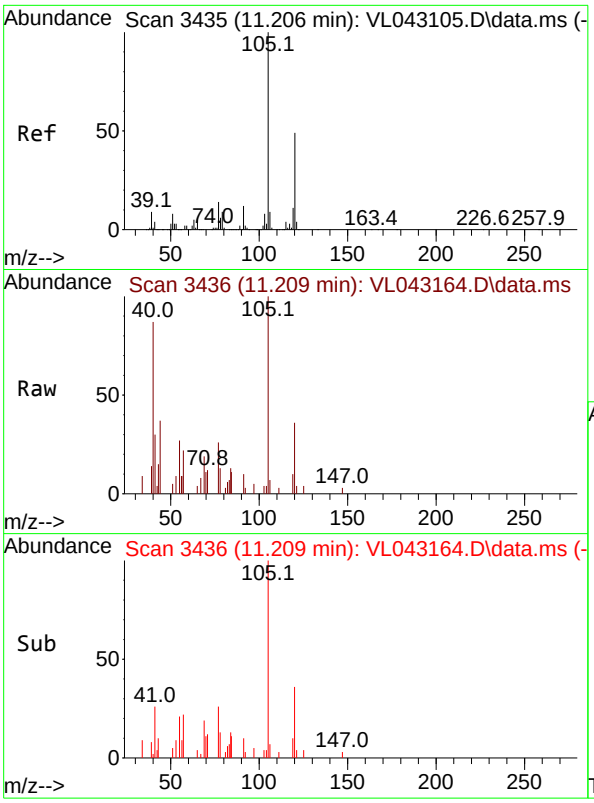


#68
1-Bromo-4-Fluorobenzene
Concen: 10.513 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.004 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion: 95 Resp: 237353

Ion	Ratio	Lower	Upper
95	100		
174	63.7	48.3	72.5
175	4.6	3.8	5.8



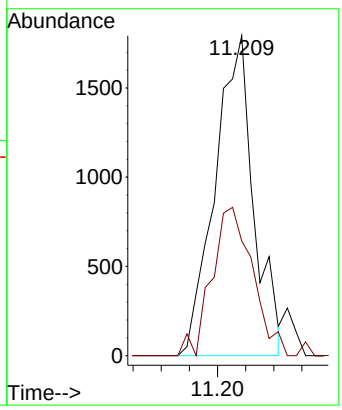


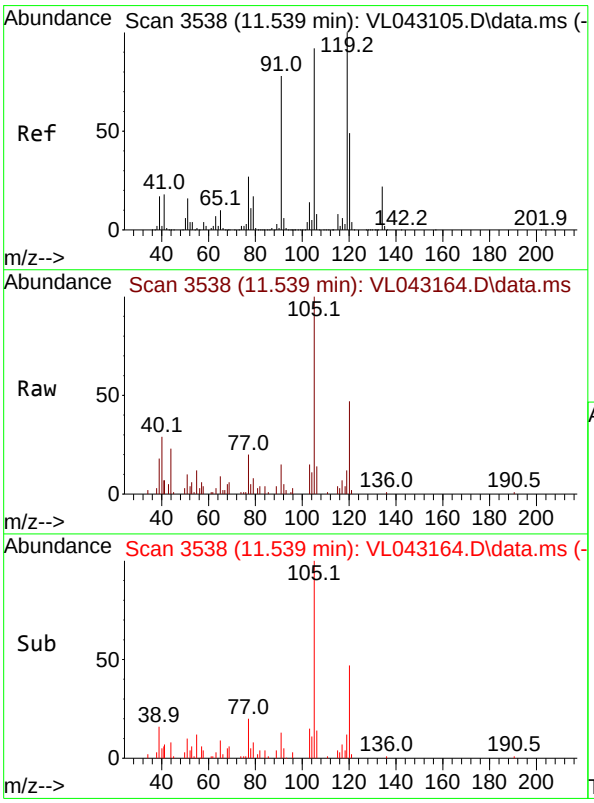
#73
1,3,5-Trimethylbenzene
Concen: 0.043 ppbv
RT: 11.209 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion:105 Resp: 1713

Ion	Ratio	Lower	Upper
105	100		
120	35.9	39.0	58.6#

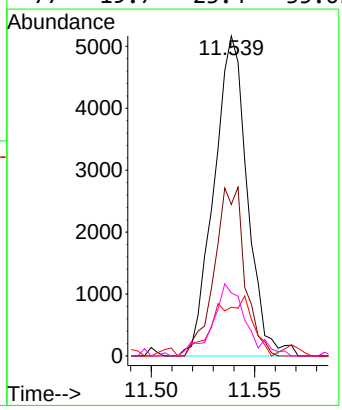


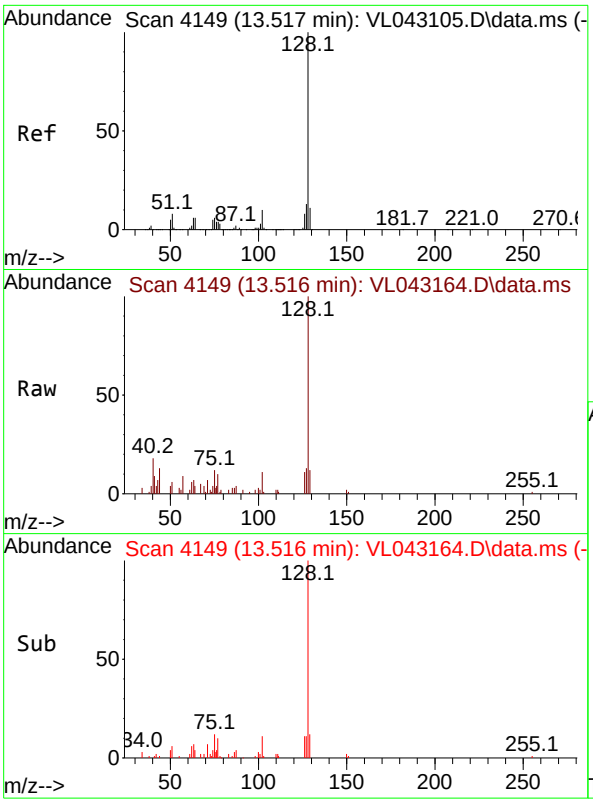


#74
1,2,4-Trimethylbenzene
Concen: 0.129 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Tgt Ion:105 Resp: 5751

Ion	Ratio	Lower	Upper
105	100		
120	47.4	42.8	64.2
91	15.3	68.3	102.5#
77	19.7	23.4	35.0#



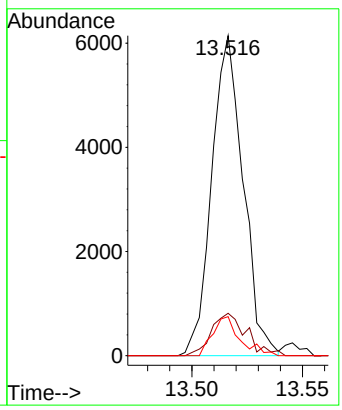


#79
Naphthalene
Concen: 0.130 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043164.D
Acq: 06 Nov 2025 13:17

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1

Tgt Ion:128 Resp: 6044

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	12.2	9.1	13.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043165.D
Acq On : 06 Nov 2025 13:50
Operator : SY/MD
Sample : Q3557-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Quant Time: Nov 07 00:22:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

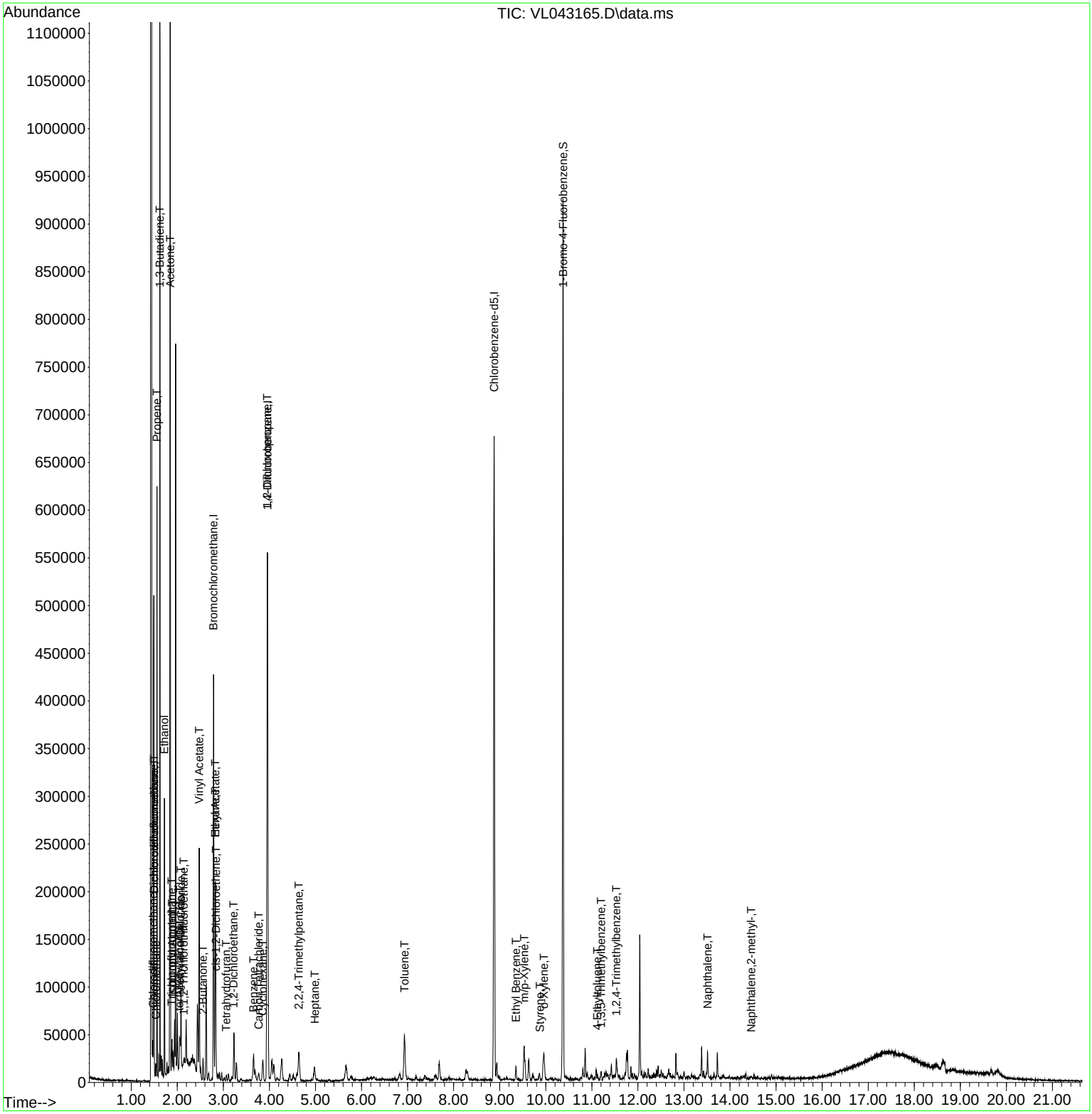
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	113035	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	330913	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	283774	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	229122	10.388	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	32908	2.048	ppbv		97
3) Chlorodifluoromethane	1.476	51	12731	0.732	ppbv	#	77
4) Chloromethane	1.531	50	2999	0.471	ppbv		91
8) Dichlorotetrafluoroethane	1.499	85	32908	2.534	ppbv	#	21
9) Propene	1.560	41	63704	8.261	ppbv		98
10) Heptane	4.985	43	2999	0.135	ppbv	#	27
11) Trichlorofluoromethane	1.878	101	5581	0.355	ppbv		99
12) 1,1,2-Trichlorotrifluo...	2.140	101	1021	0.081	ppbv		84
13) Ethanol	1.719	45	103305	36.217	ppbv		100
15) Acetone	1.845	43	366986	24.088	ppbv	#	72
16) 1,3-Butadiene	1.622	39	76674	10.560	ppbv	#	16
17) tert-Butyl alcohol	2.043	59	1507	0.072	ppbv	#	72
19) Isopropyl Alcohol	1.887	45	10103	1.065	ppbv	#	1
20) Methylene Chloride	2.062	84	3972	0.660	ppbv	#	86
21) Allyl Chloride	2.078	41	7015	0.625	ppbv	#	18
23) Vinyl Acetate	2.476	43	67063	3.005	ppbv	#	45
25) Ethyl Acetate	2.826	43	35195	0.932	ppbv	#	83
26) Hexane	2.826	57	47767	2.744	ppbv	#	41
30) Cyclohexane	3.855	84	5306	0.349	ppbv	#	91
31) cis-1,2-Dichloroethene	2.839	61	524	0.032	ppbv	#	24
34) 2-Butanone	2.557	43	13607	0.612	ppbv		97
35) Carbon Tetrachloride	3.764	117	2179	0.092	ppbv	#	93
36) Benzene	3.654	78	16826	0.540	ppbv		94
37) 1,2-Dichloroethane	3.221	62	1636	0.091	ppbv	#	94
39) 1,2-Dichloropropane	3.955	63	83837	7.358	ppbv	#	24
41) Tetrahydrofuran	3.062	42	1943	0.156	ppbv	#	86
44) 2,2,4-Trimethylpentane	4.638	57	25124	0.478	ppbv	#	83
53) Toluene	6.933	91	33445	0.904	ppbv		96
58) Ethyl Benzene	9.351	91	7473	0.153	ppbv		99
59) m/p-Xylene	9.532	91	16991	0.437	ppbv	#	79
60) o-Xylene	9.959	91	9569	0.249	ppbv		100
61) Styrene	9.872	104	1307	0.075	ppbv	#	87
72) 4-Ethyltoluene	11.121	105	1824	0.039	ppbv	#	61
73) 1,3,5-Trimethylbenzene	11.202	105	2045	0.053	ppbv		94
74) 1,2,4-Trimethylbenzene	11.532	105	6570	0.151	ppbv	#	54
79) Naphthalene	13.513	128	12262	0.269	ppbv		97
80) Naphthalene,2-methyl-	14.462	142	375	0.032	ppbv	#	62

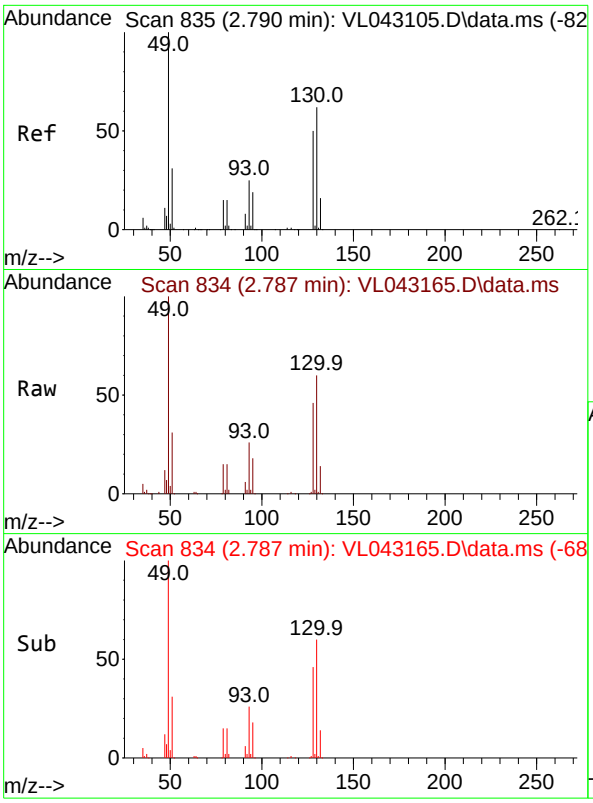
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043165.D
Acq On : 06 Nov 2025 13:50
Operator : SY/MD
Sample : Q3557-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Quant Time: Nov 07 00:22:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



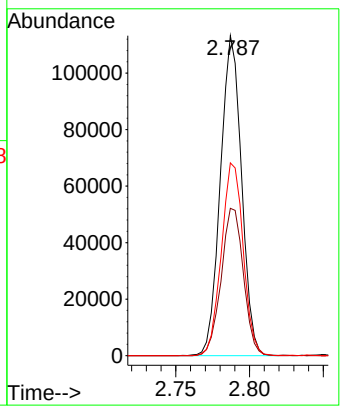


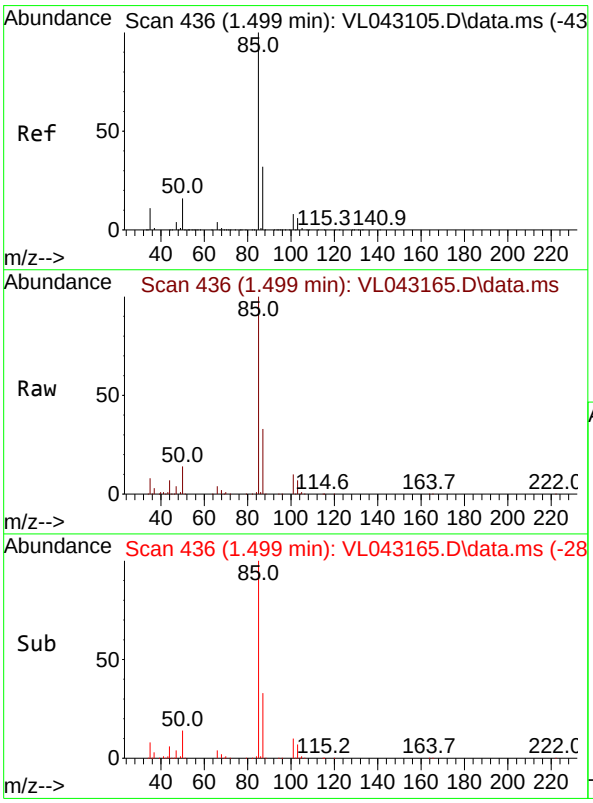
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 49 Resp: 113035

Ion	Ratio	Lower	Upper
49	100		
128	48.3	24.4	73.4
130	62.3	31.0	93.0

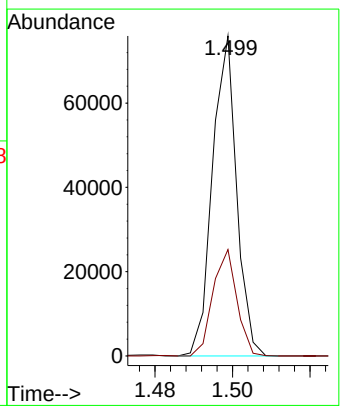


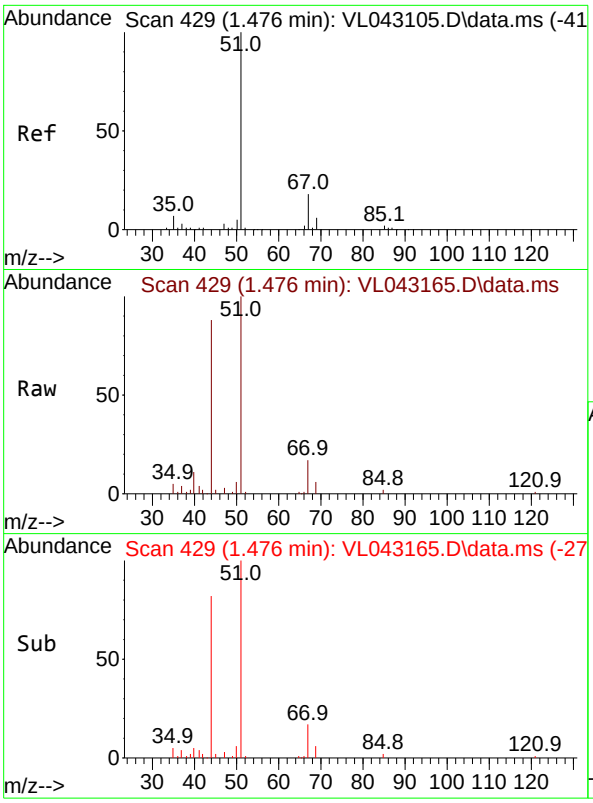


#2
Dichlorodifluoromethane
Concen: 2.048 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 85 Resp: 32908

Ion	Ratio	Lower	Upper
85	100		
87	33.3	25.3	37.9



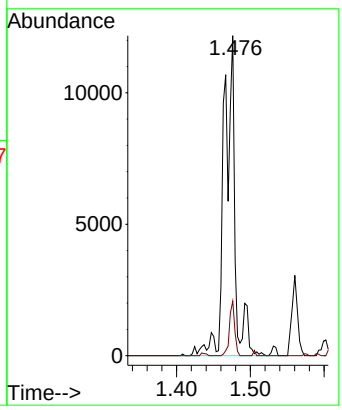


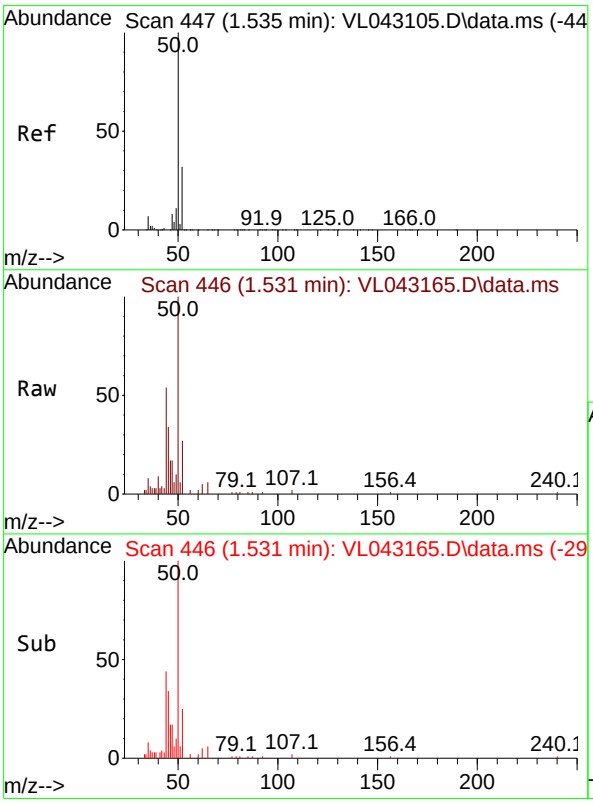
#3
Chlorodifluoromethane
Concen: 0.732 ppbv
RT: 1.476 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 51 Resp: 12731

Ion	Ratio	Lower	Upper
51	100		
67	8.5	15.1	22.7#

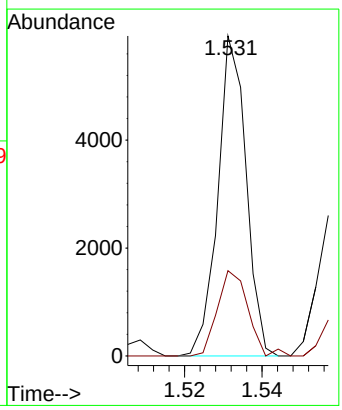


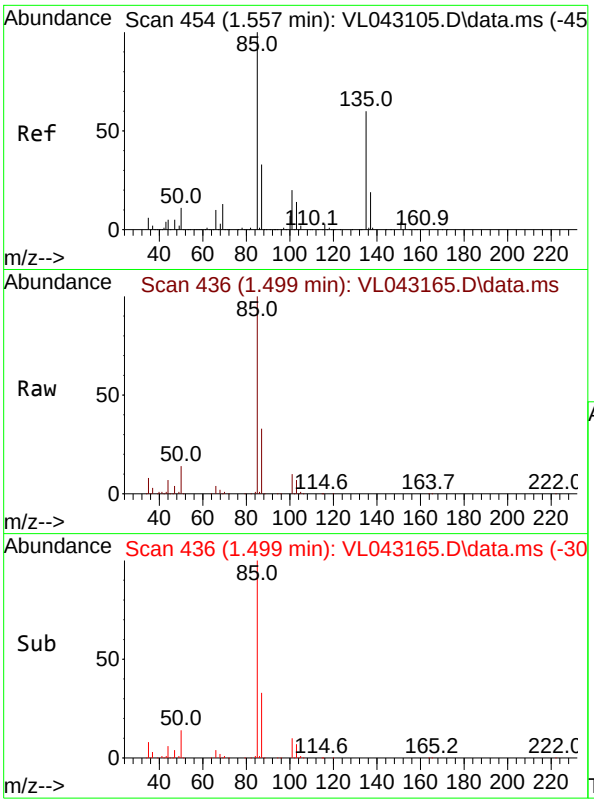


#4
Chloromethane
Concen: 0.471 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 50 Resp: 2999

Ion	Ratio	Lower	Upper
50	100		
52	26.6	25.2	37.8



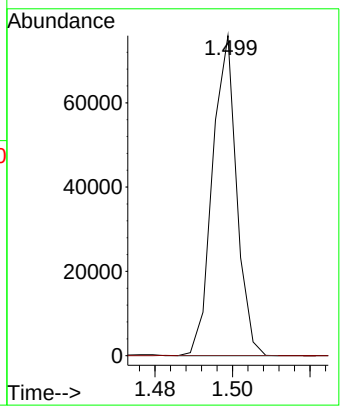


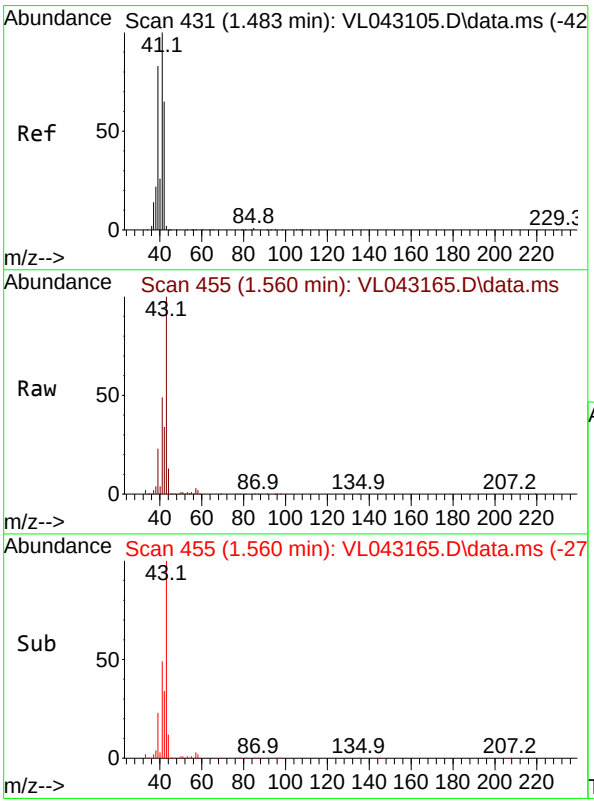
#8
Dichlorotetrafluoroethane
Concen: 2.534 ppbv
RT: 1.499 min Scan# 4
Delta R.T. -0.058 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 85 Resp: 32908

Ion	Ratio	Lower	Upper
85	100		
135	0.0	48.2	72.4#

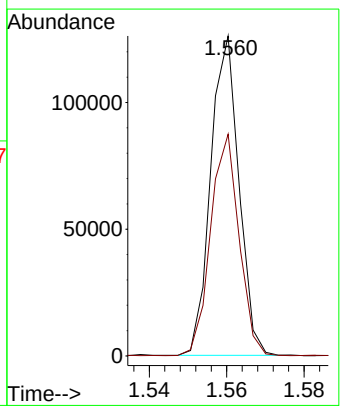


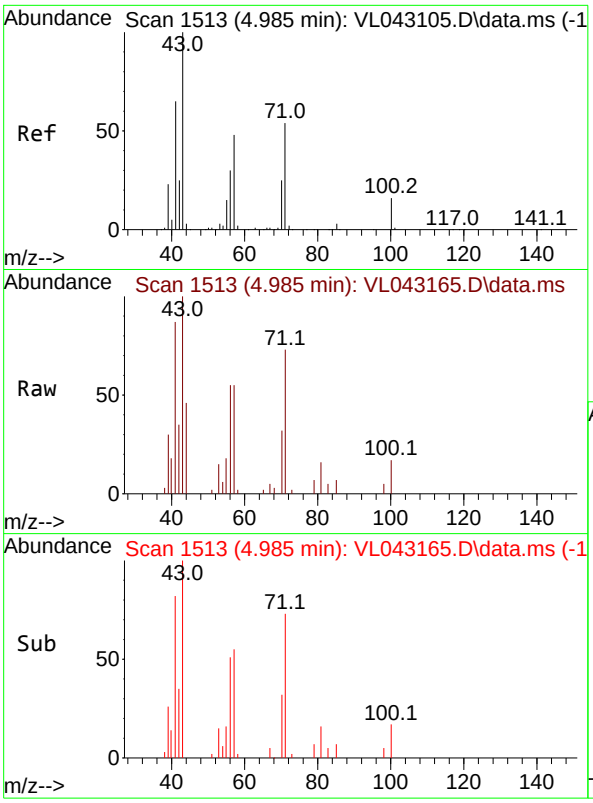


#9
Propene
Concen: 8.261 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.078 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 41 Resp: 63704

Ion	Ratio	Lower	Upper
41	100		
42	70.4	55.1	82.7



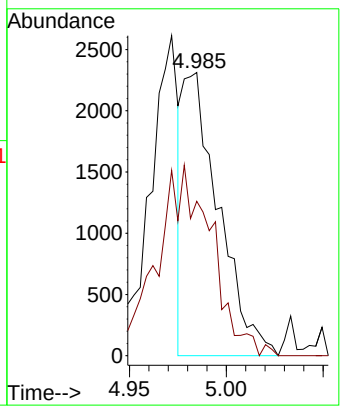


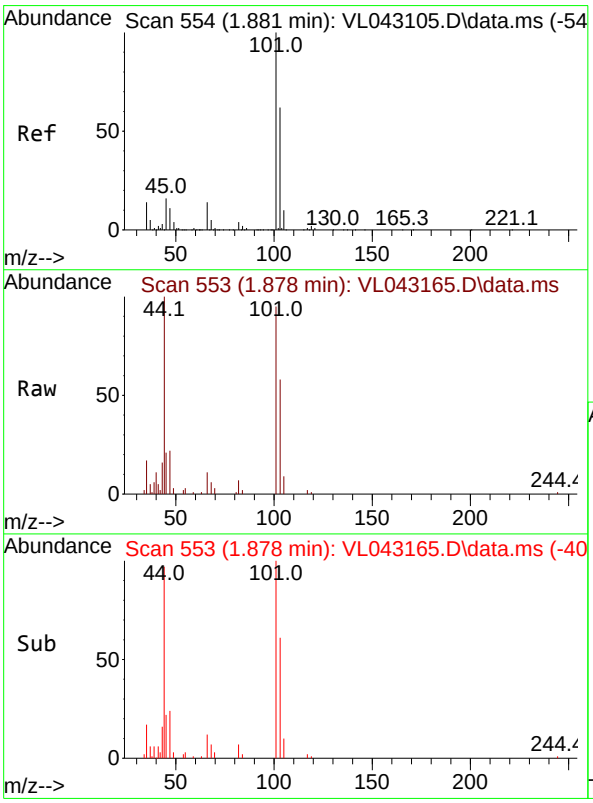
#10
Heptane
Concen: 0.135 ppbv
RT: 4.985 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 43 Resp: 2999

Ion	Ratio	Lower	Upper
43	100		
57	101.7	40.8	61.2#

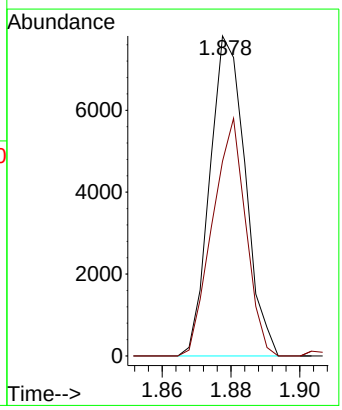


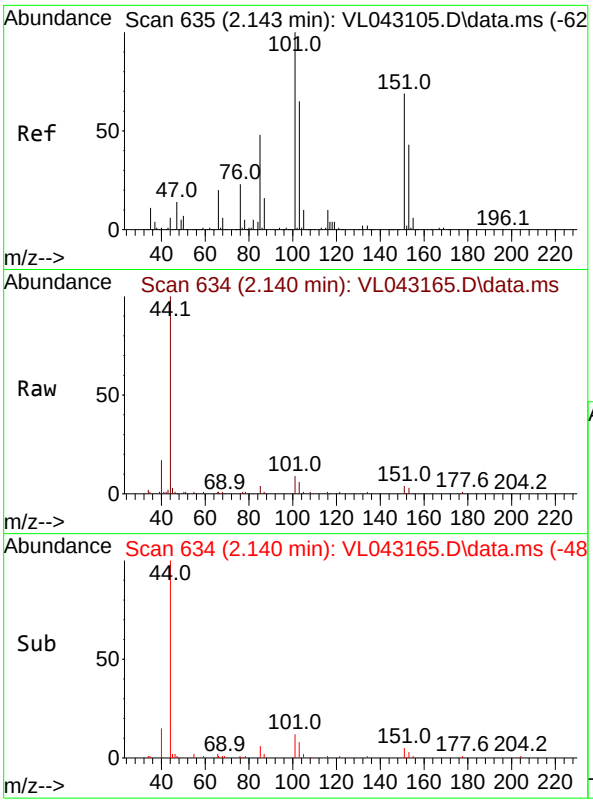


#11
Trichlorofluoromethane
Concen: 0.355 ppbv
RT: 1.878 min Scan# 553
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:101 Resp: 5581

Ion	Ratio	Lower	Upper
101	100		
103	60.8	49.3	73.9



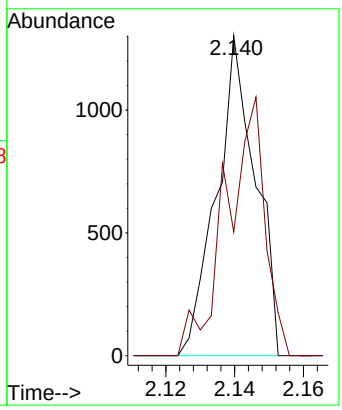


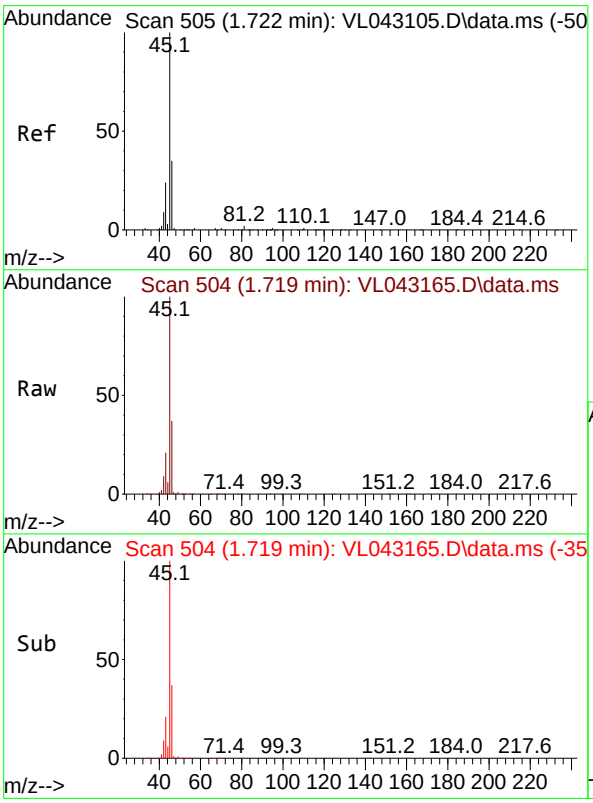
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.081 ppbv
RT: 2.140 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion:101 Resp: 1021

Ion	Ratio	Lower	Upper
101	100		
151	81.2	54.7	82.1

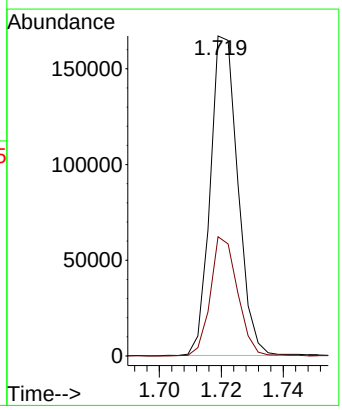


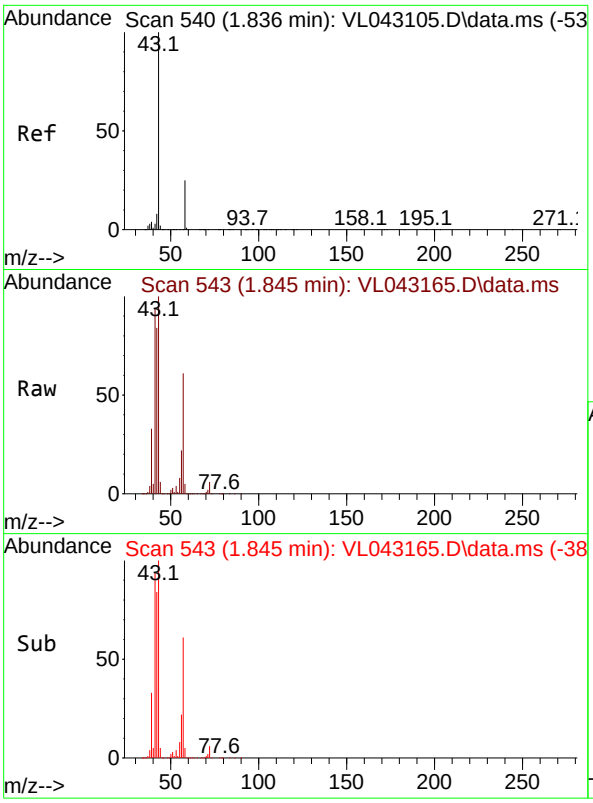


#13
Ethanol
Concen: 36.217 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 45 Resp: 103305

Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.7	58.9



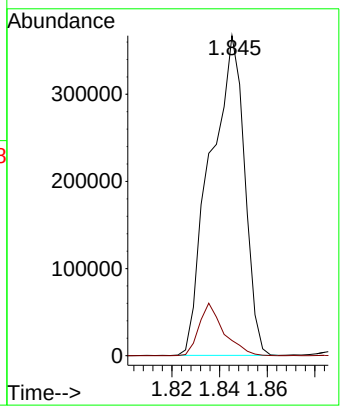


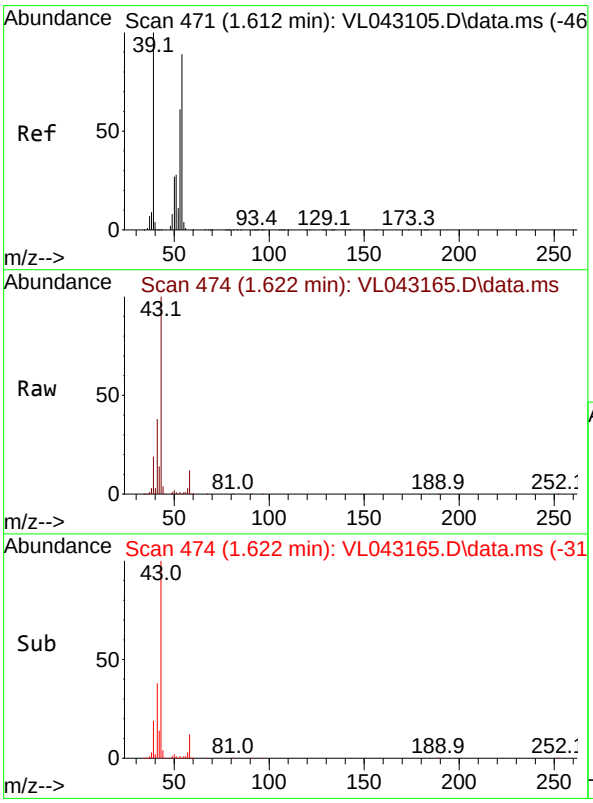
#15
Acetone
Concen: 24.088 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 43 Resp: 366986

Ion	Ratio	Lower	Upper
43	100		
58	11.8	20.8	31.2#

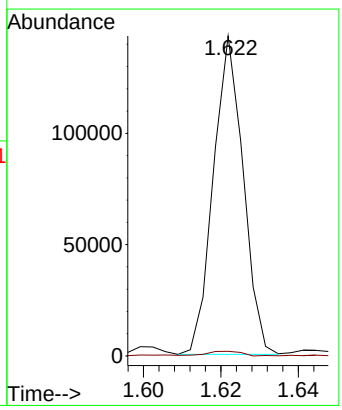


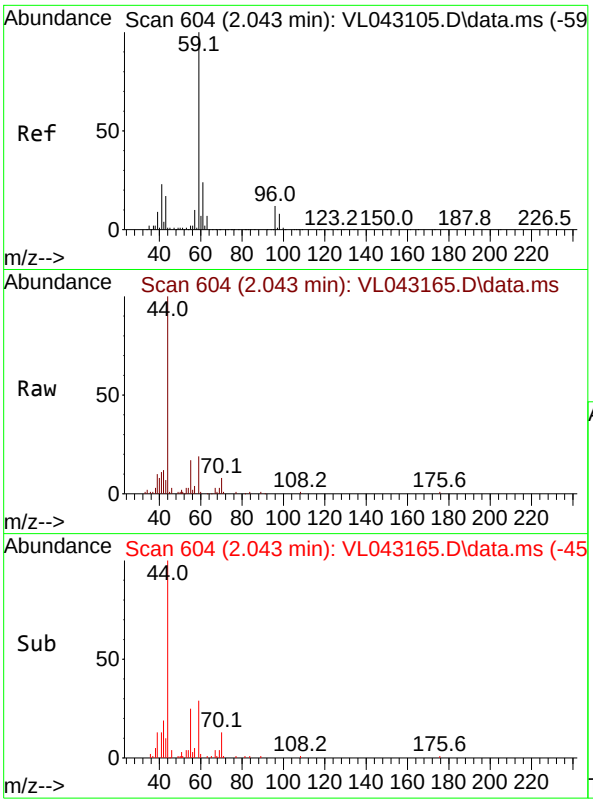


#16
1,3-Butadiene
Concen: 10.560 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.010 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 39 Resp: 76674

Ion	Ratio	Lower	Upper
39	100		
54	2.5	59.0	88.4#



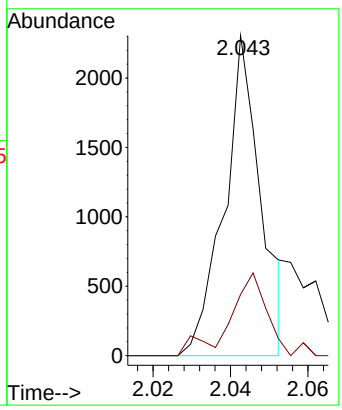


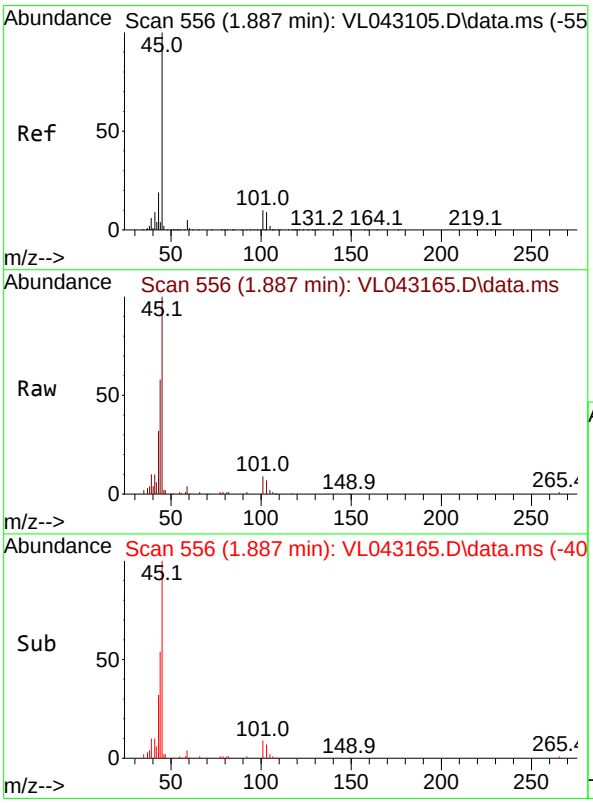
#17
tert-Butyl alcohol
Concen: 0.072 ppbv
RT: 2.043 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 59 Resp: 1507

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

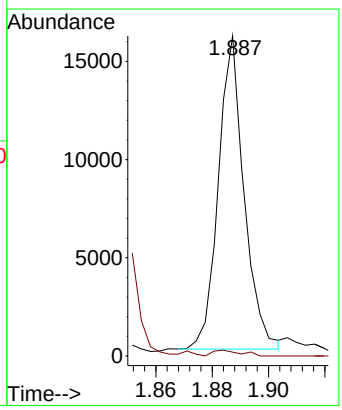


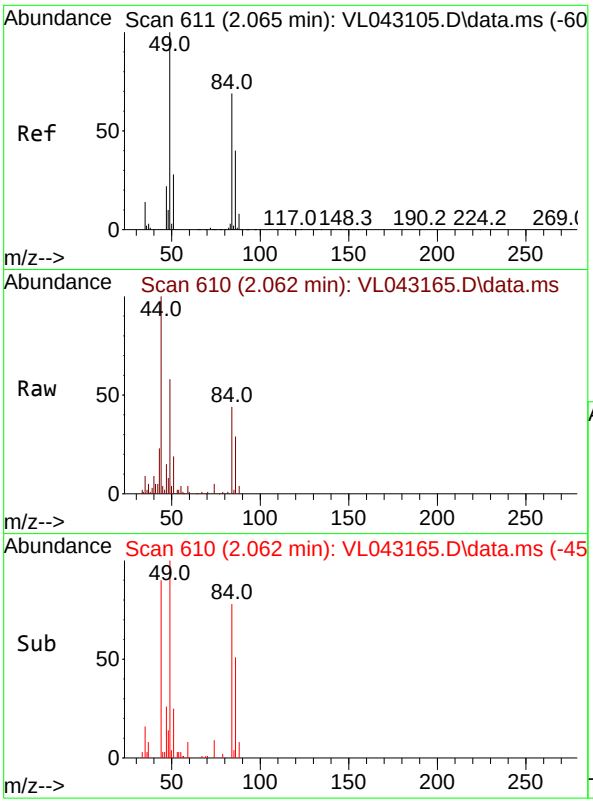


#19
Isopropyl Alcohol
Concen: 1.065 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 45 Resp: 10103

Ion	Ratio	Lower	Upper
45	100		
58	432.0	31.3	46.9#



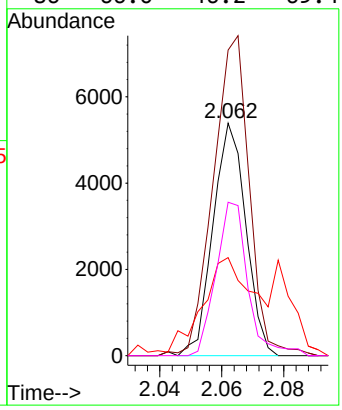


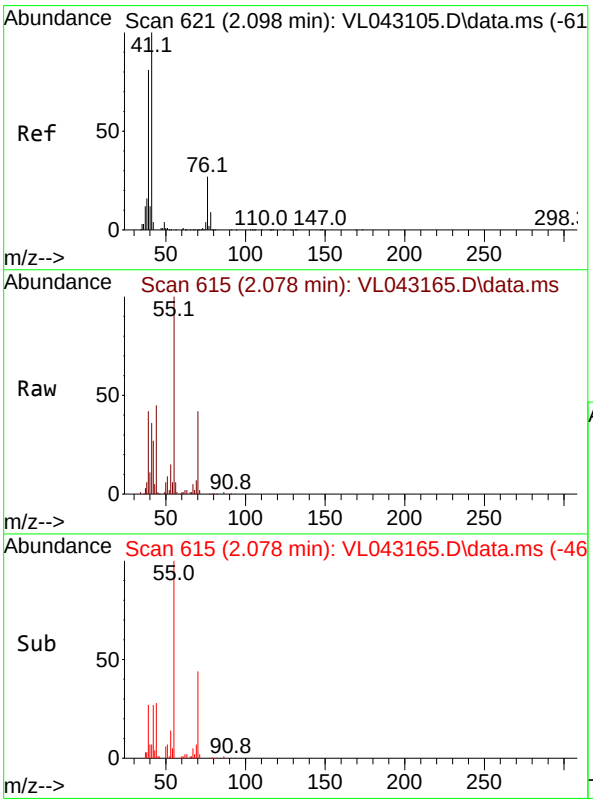
#20
Methylene Chloride
Concen: 0.660 ppbv
RT: 2.062 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 84 Resp: 3972

Ion	Ratio	Lower	Upper
84	100		
49	130.2	116.6	175.0
51	27.8	34.8	52.2#
86	66.0	46.2	69.4

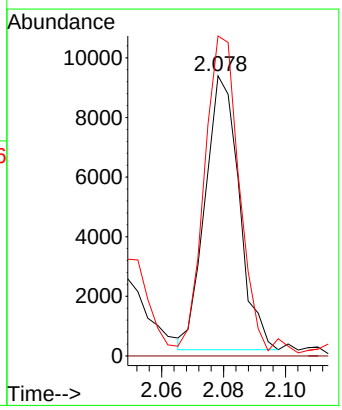


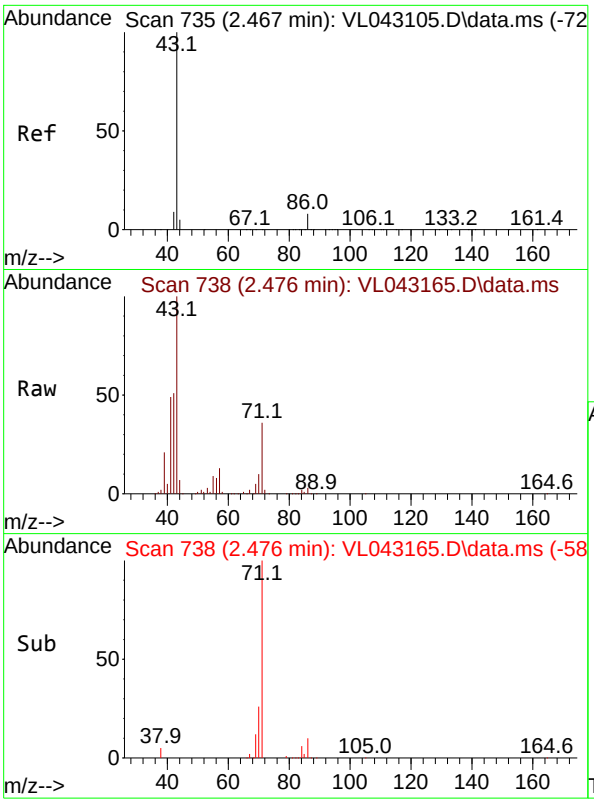


#21
Allyl Chloride
Concen: 0.625 ppbv
RT: 2.078 min Scan# 615
Delta R.T. -0.020 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 41 Resp: 7015

Ion	Ratio	Lower	Upper
41	100		
76	8.4	21.5	32.3#
39	160.9	60.8	91.2#



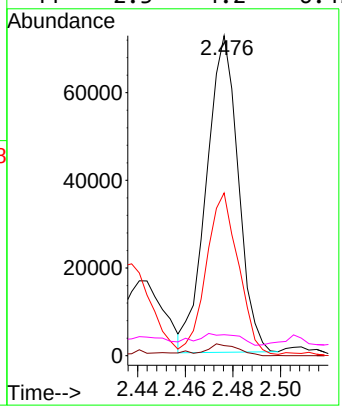


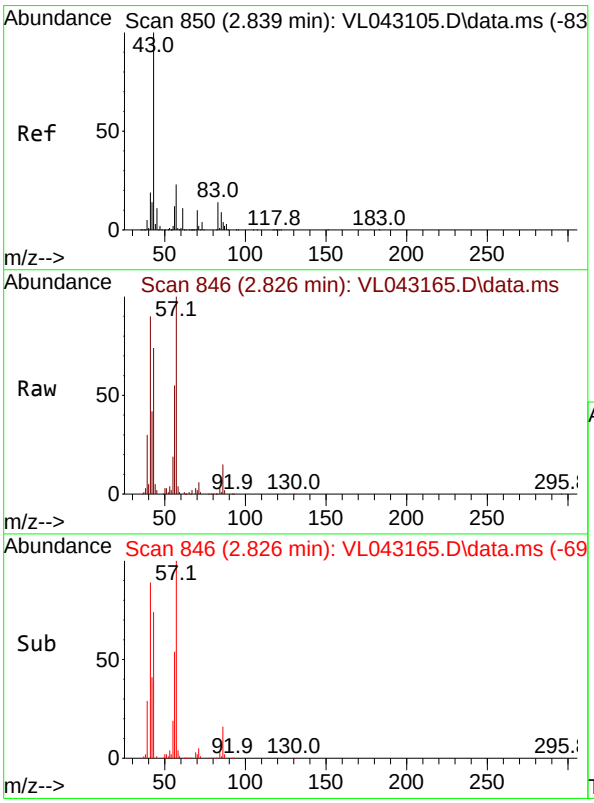
#23
Vinyl Acetate
Concen: 3.005 ppbv
RT: 2.476 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 43 Resp: 67063

Ion	Ratio	Lower	Upper
43	100		
86	3.1	6.2	9.2#
42	51.1	7.6	11.4#
44	2.3	4.2	6.4#

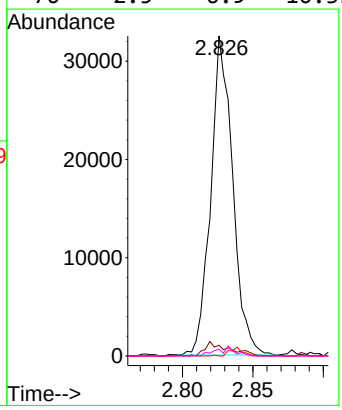


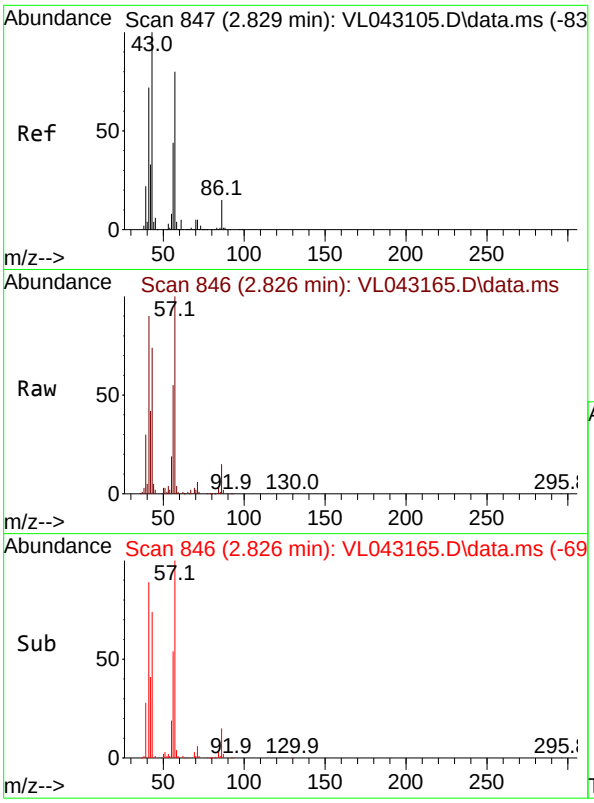


#25
Ethyl Acetate
Concen: 0.932 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.013 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 43 Resp: 35195

Ion	Ratio	Lower	Upper
43	100		
45	4.9	7.8	11.8#
61	1.5	7.0	10.6#
70	2.5	6.9	10.3#



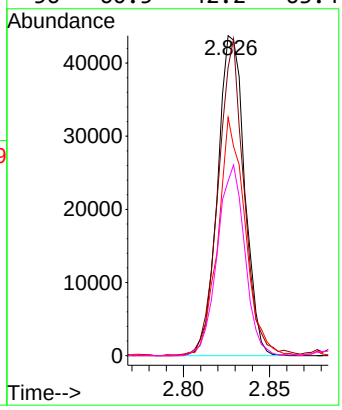


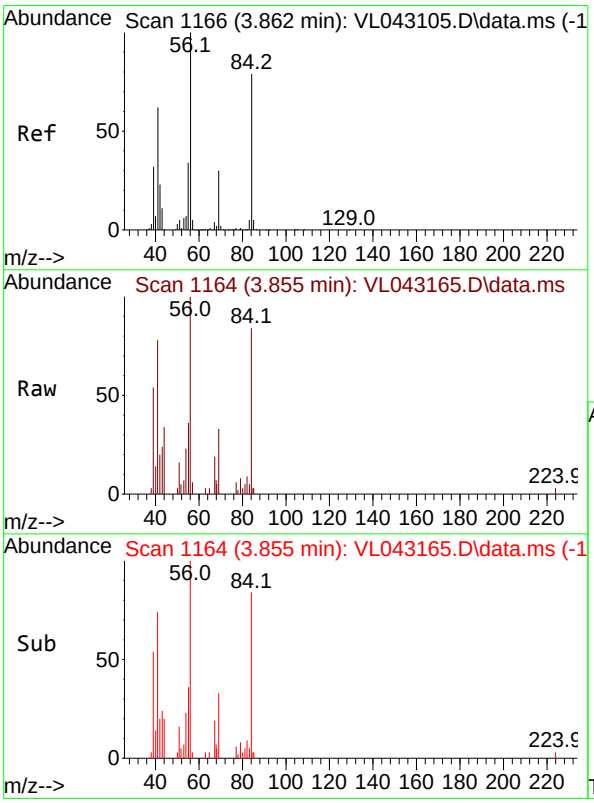
#26
Hexane
Concen: 2.744 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 57 Resp: 47767

Ion	Ratio	Lower	Upper
57	100		
41	95.1	71.4	107.0
43	75.9	178.5	267.7#
56	60.5	42.2	63.4

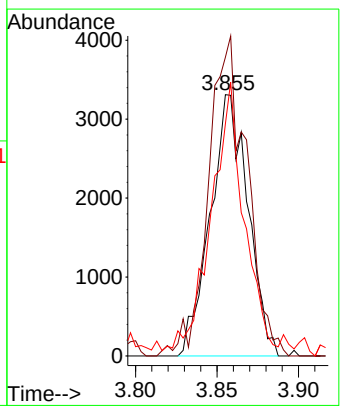


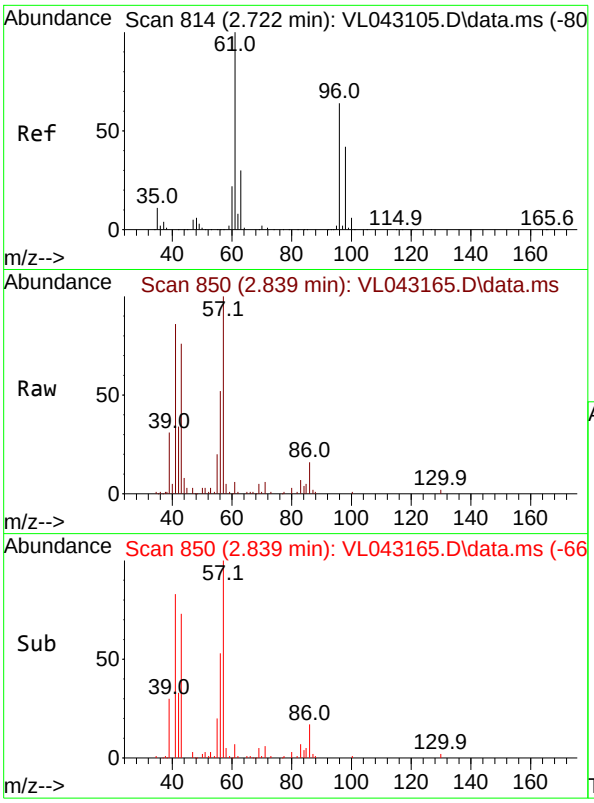


#30
Cyclohexane
Concen: 0.349 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 84 Resp: 5306

Ion	Ratio	Lower	Upper
84	100		
56	124.3	100.9	151.3
41	98.4	63.8	95.6#



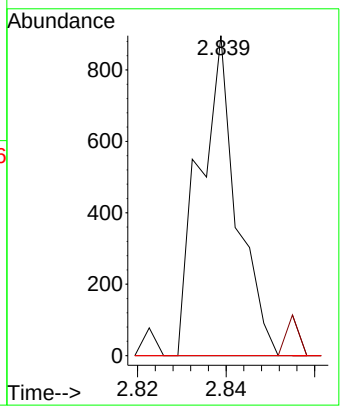


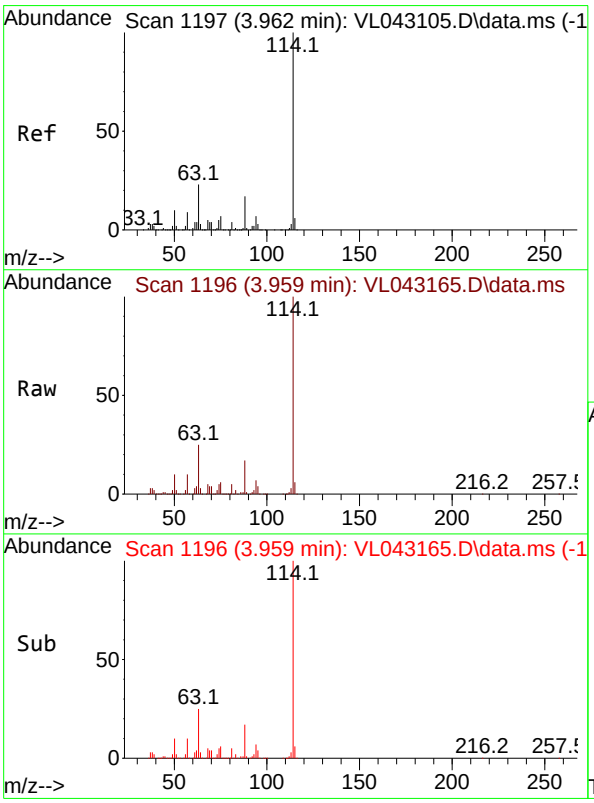
#31
cis-1,2-Dichloroethene
Concen: 0.032 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.116 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 61 Resp: 524

Ion	Ratio	Lower	Upper
61	100		
96	0.0	51.0	76.6#
98	0.0	33.5	50.3#

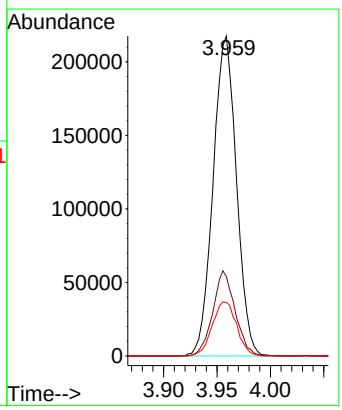


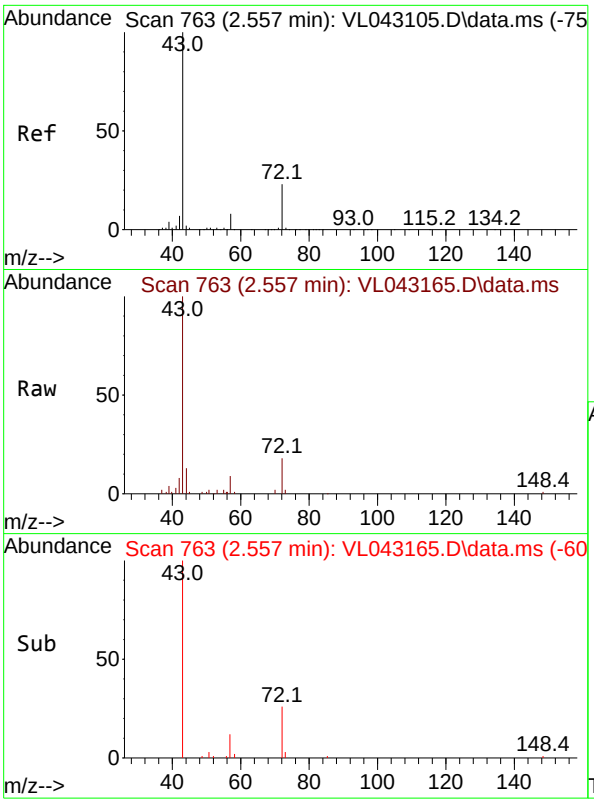


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:114 Resp: 330913

Ion	Ratio	Lower	Upper
114	100		
63	25.4	19.3	28.9
88	17.7	13.9	20.9



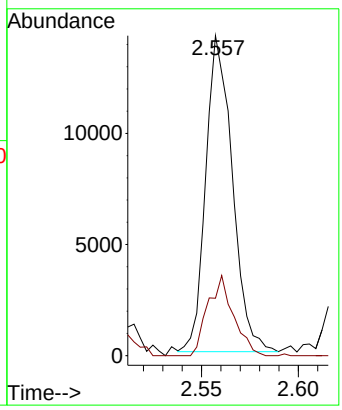


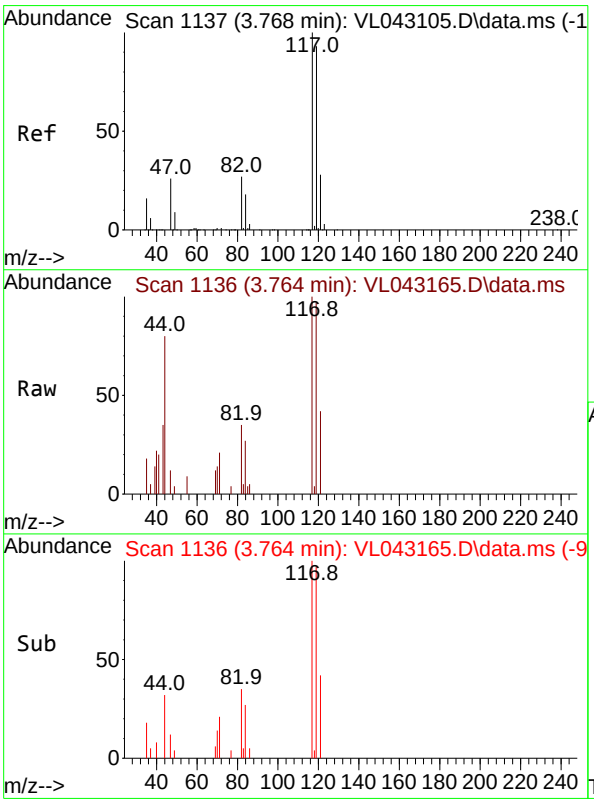
#34
2-Butanone
Concen: 0.612 ppbv
RT: 2.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 43 Resp: 13607

Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.4	27.6

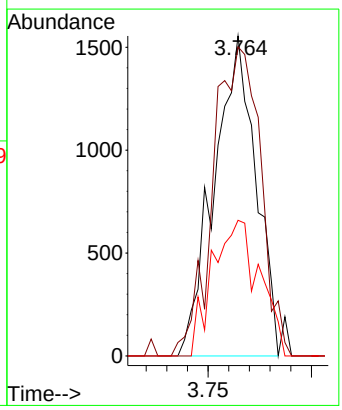


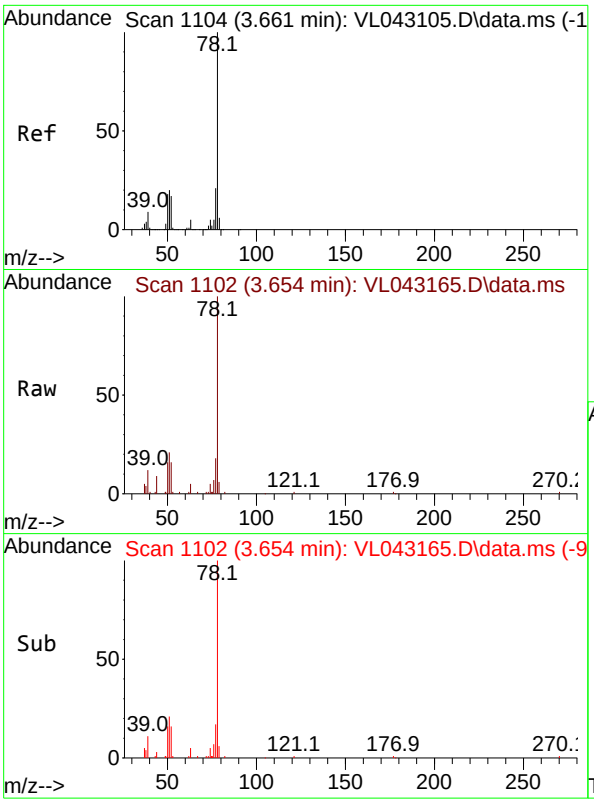


#35
Carbon Tetrachloride
Concen: 0.092 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:117 Resp: 2179

Ion	Ratio	Lower	Upper
117	100		
119	92.4	74.1	111.1
121	42.4	22.2	33.2#



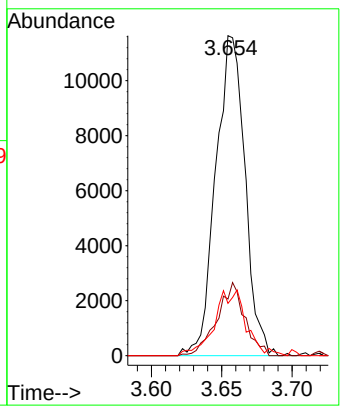


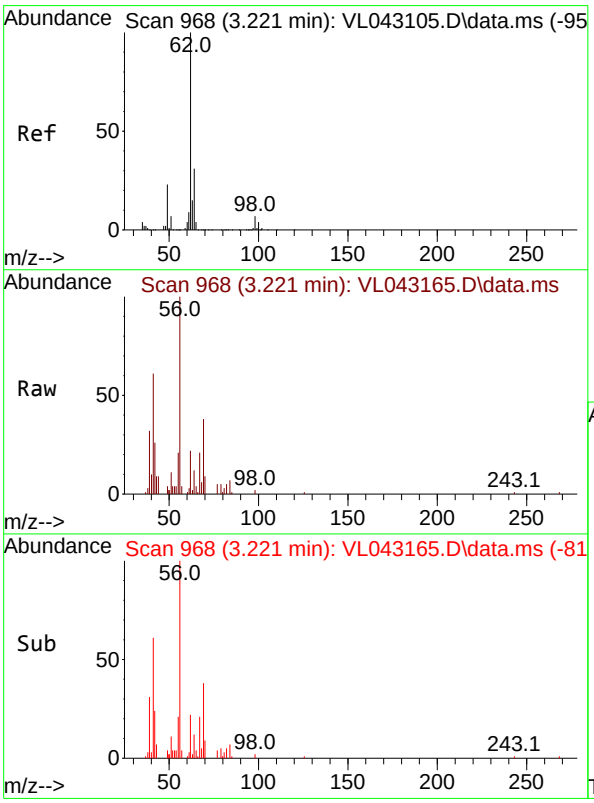
#36
Benzene
Concen: 0.540 ppbv
RT: 3.654 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 78 Resp: 16826

Ion	Ratio	Lower	Upper
78	100		
77	17.7	17.0	25.6
50	16.3	14.6	22.0

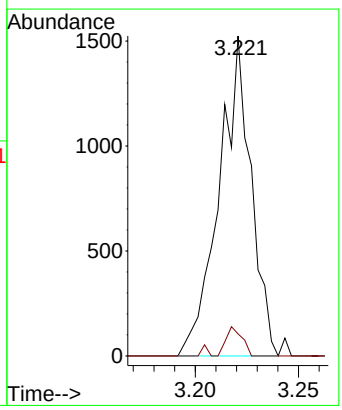


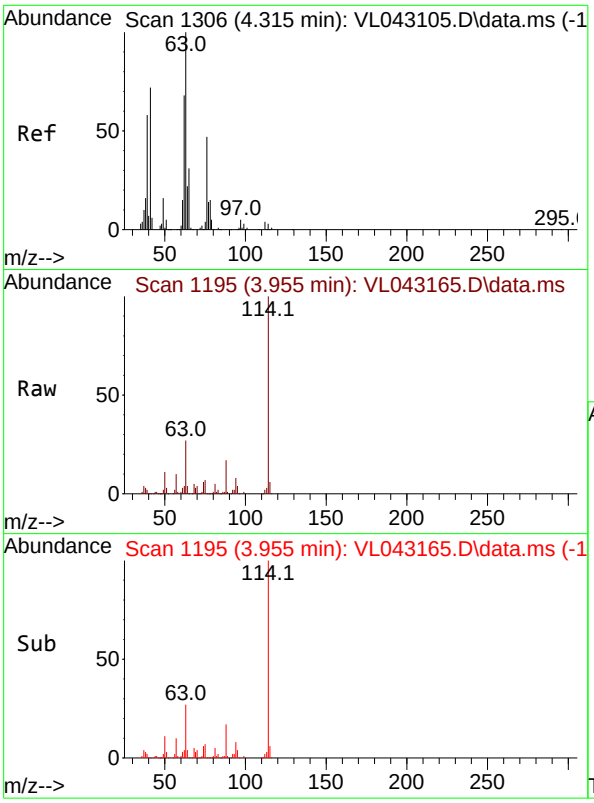


#37
1,2-Dichloroethane
Concen: 0.091 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.000 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 62 Resp: 1636

Ion	Ratio	Lower	Upper
62	100		
98	5.2	5.8	8.6#



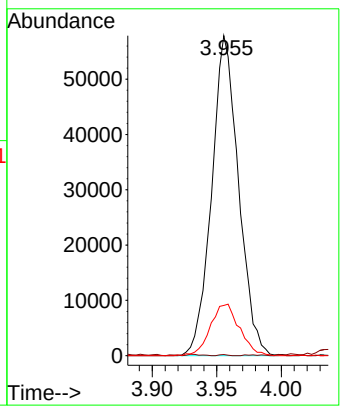


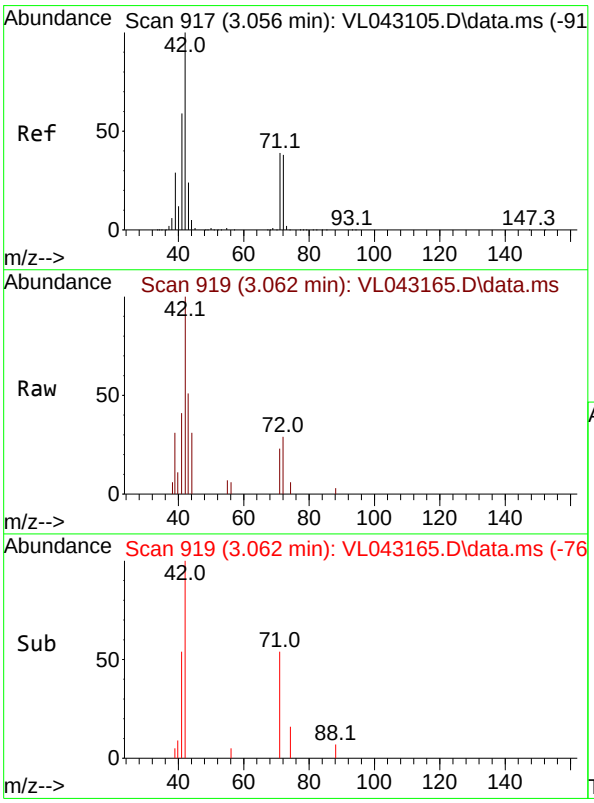
#39
1,2-Dichloropropane
Concen: 7.358 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.359 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 63 Resp: 83837

Ion	Ratio	Lower	Upper
63	100		
41	0.1	58.0	87.0#
62	15.7	54.7	82.1#

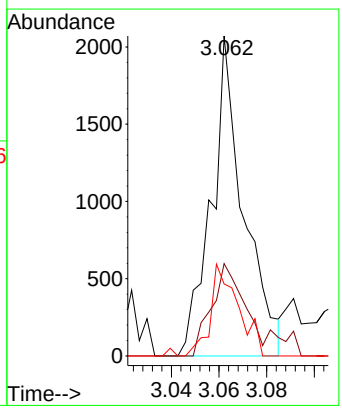


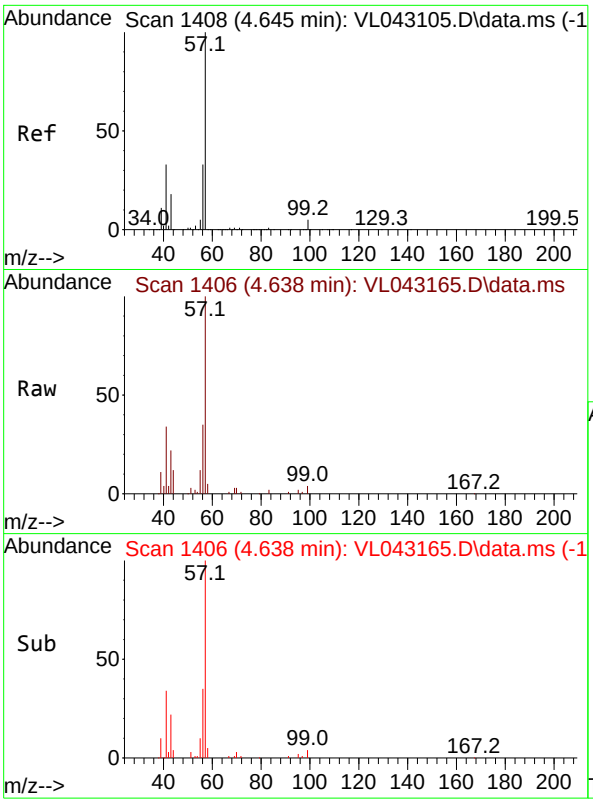


#41
Tetrahydrofuran
Concen: 0.156 ppbv
RT: 3.062 min Scan# 919
Delta R.T. 0.006 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 42 Resp: 1943

Ion	Ratio	Lower	Upper
42	100		
72	34.8	31.3	46.9
71	25.3	30.4	45.6#



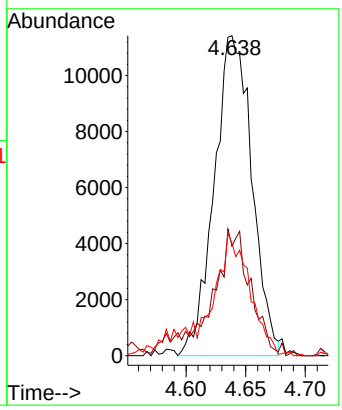


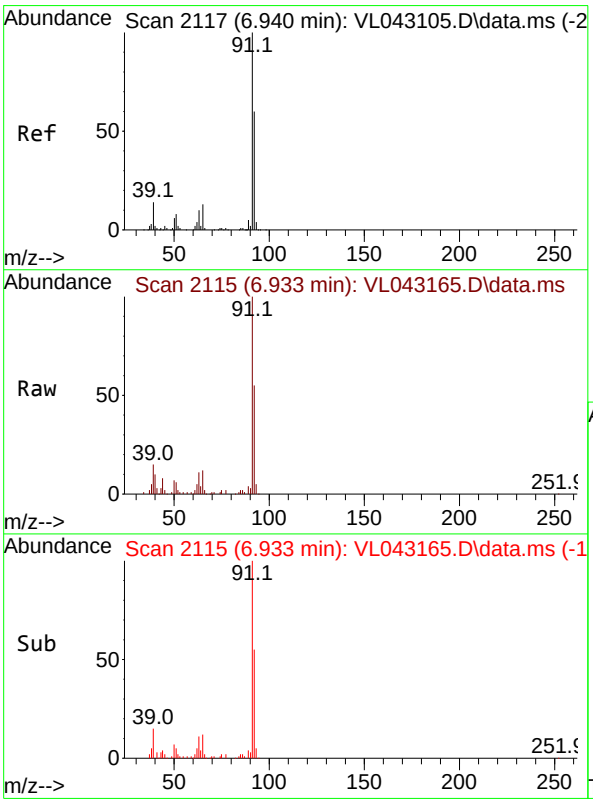
#44
2,2,4-Trimethylpentane
Concen: 0.478 ppbv
RT: 4.638 min Scan# 14
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 57 Resp: 25124

Ion	Ratio	Lower	Upper
57	100		
41	42.1	26.3	39.5#
56	42.2	25.9	38.9#

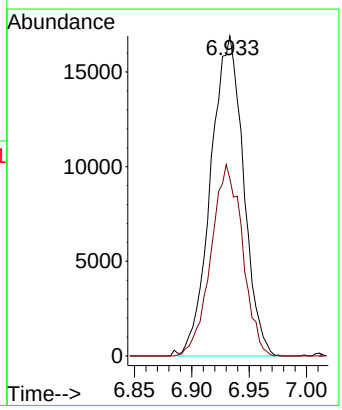


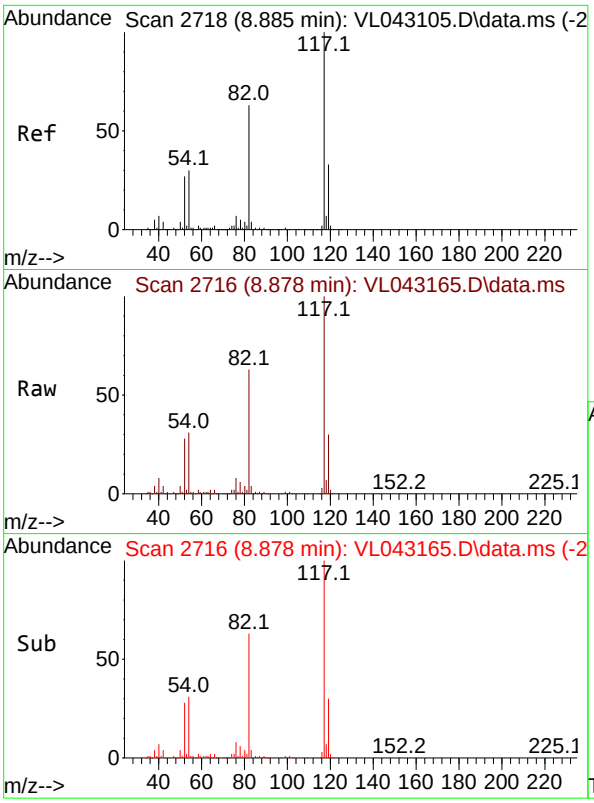


#53
Toluene
Concen: 0.904 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 91 Resp: 33445

Ion	Ratio	Lower	Upper
91	100		
92	57.6	48.8	73.2



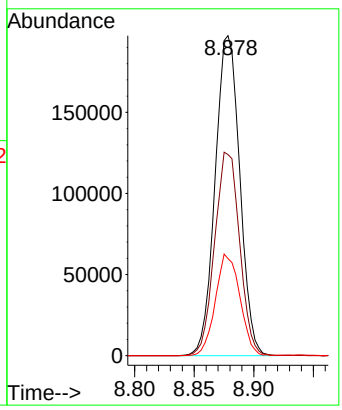


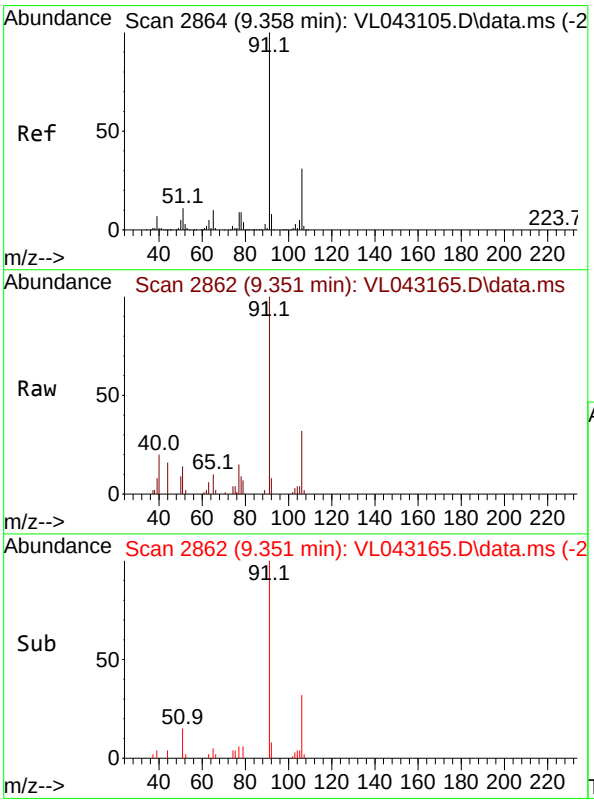
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion:117 Resp: 283774

Ion	Ratio	Lower	Upper
117	100		
82	64.5	53.8	80.8
119	31.8	25.4	38.0

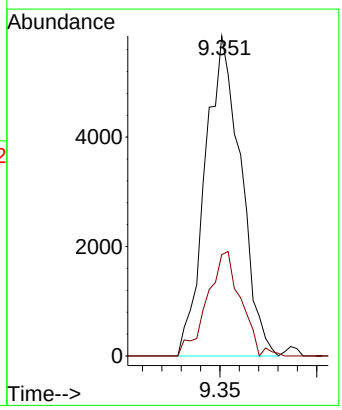


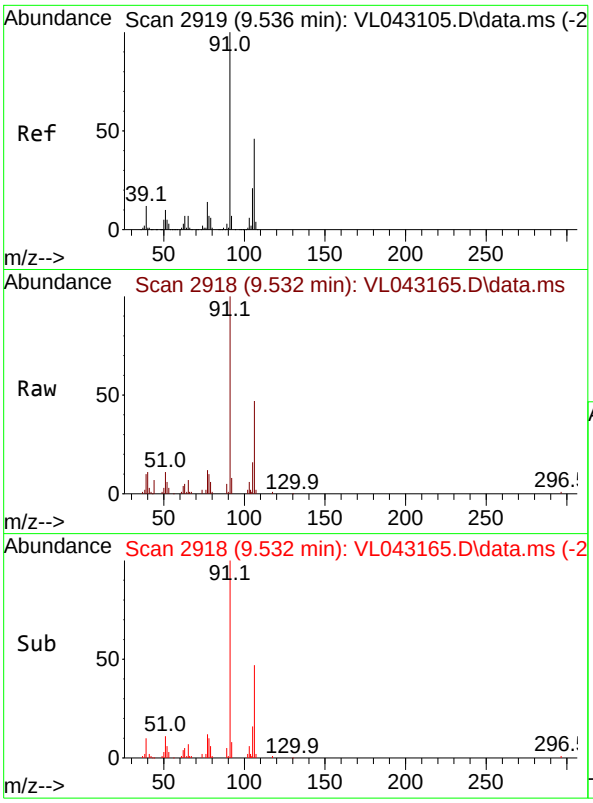


#58
Ethyl Benzene
Concen: 0.153 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 91 Resp: 7473

Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.8	37.2



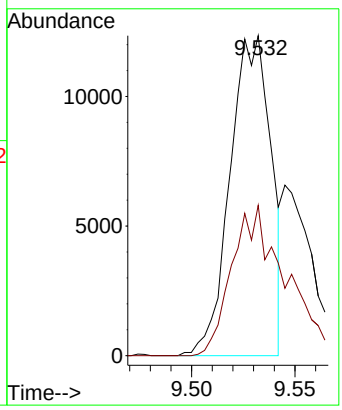


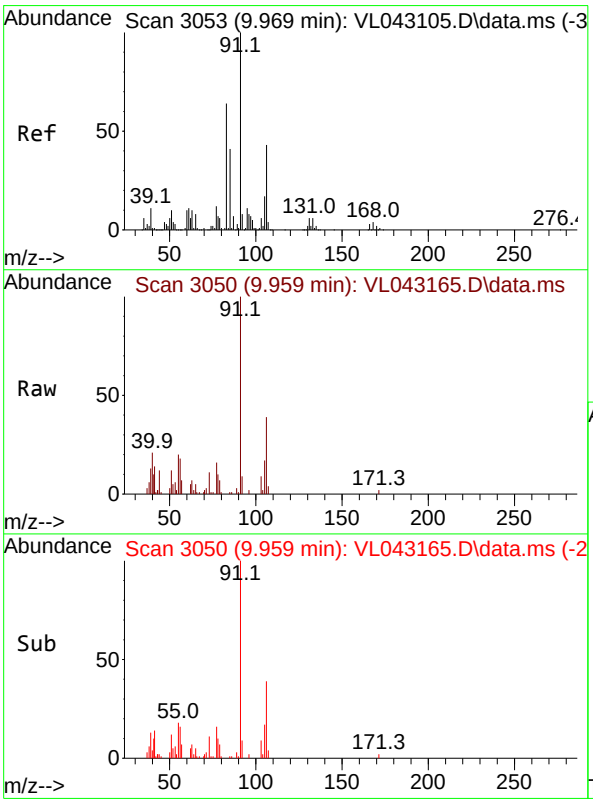
#59
m/p-Xylene
Concen: 0.437 ppbv
RT: 9.532 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion: 91 Resp: 16991

Ion	Ratio	Lower	Upper
91	100		
106	61.3	38.0	57.0#

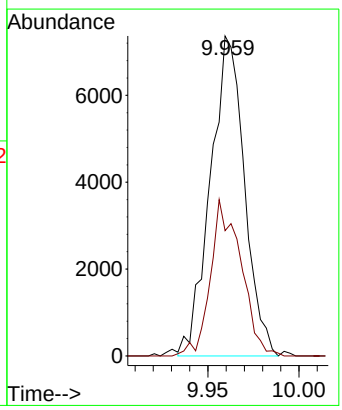


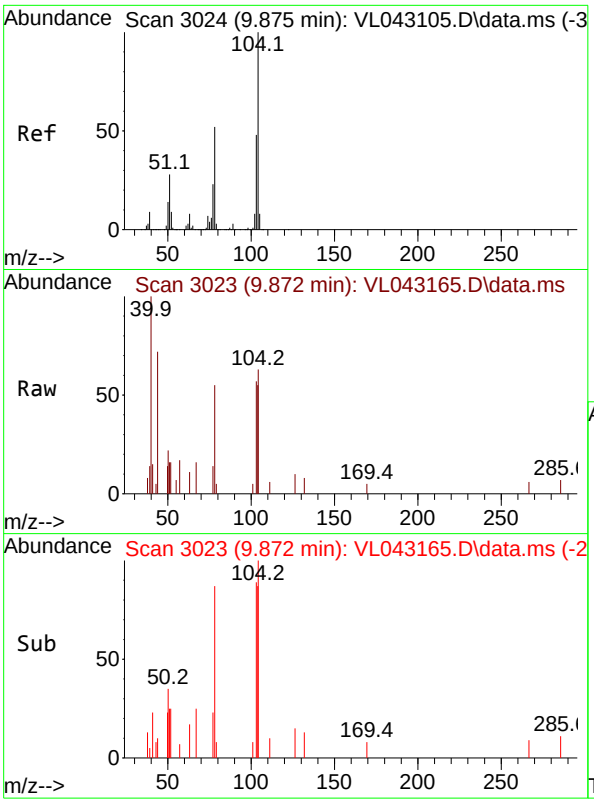


#60
o-Xylene
Concen: 0.249 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.010 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 91 Resp: 9569

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.9	65.8



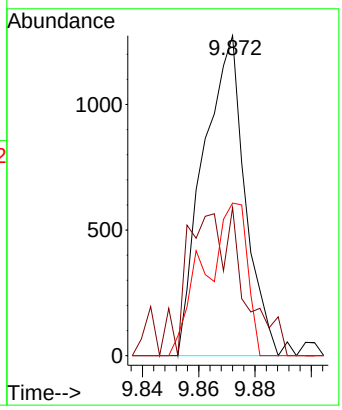


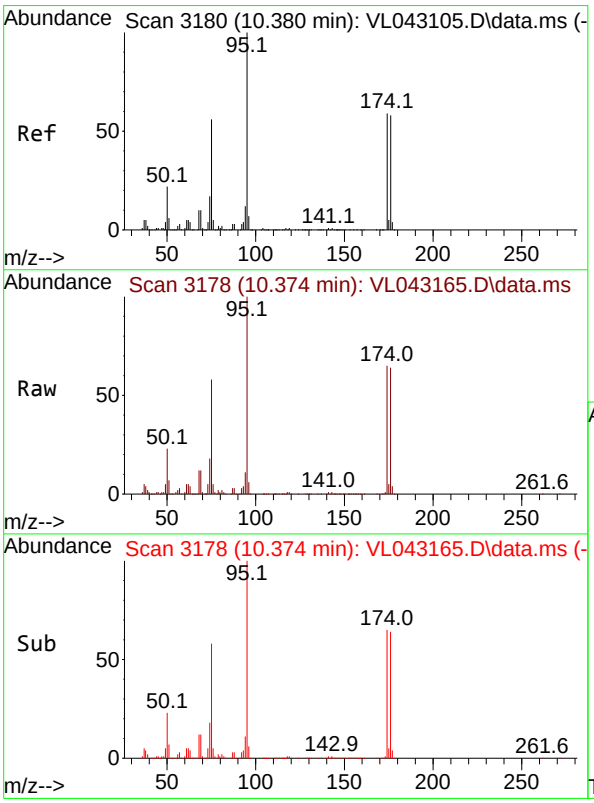
#61
Styrene
Concen: 0.075 ppbv
RT: 9.872 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion:104 Resp: 1307

Ion	Ratio	Lower	Upper
104	100		
78	64.6	40.2	60.2#
103	49.0	36.9	55.3

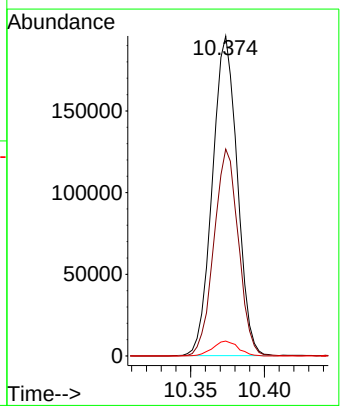


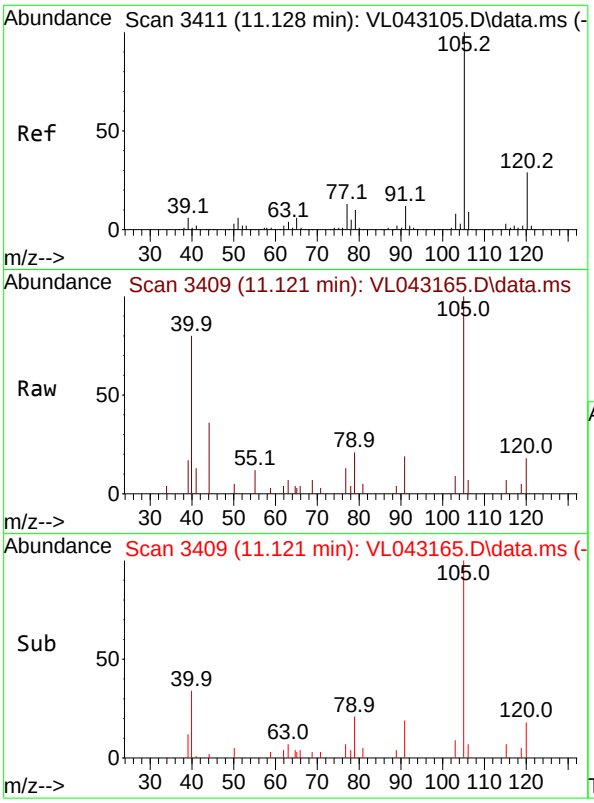


#68
1-Bromo-4-Fluorobenzene
Concen: 10.388 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion: 95 Resp: 229122

Ion	Ratio	Lower	Upper
95	100		
174	64.0	48.3	72.5
175	4.8	3.8	5.8



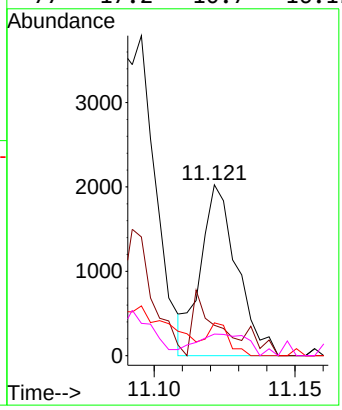


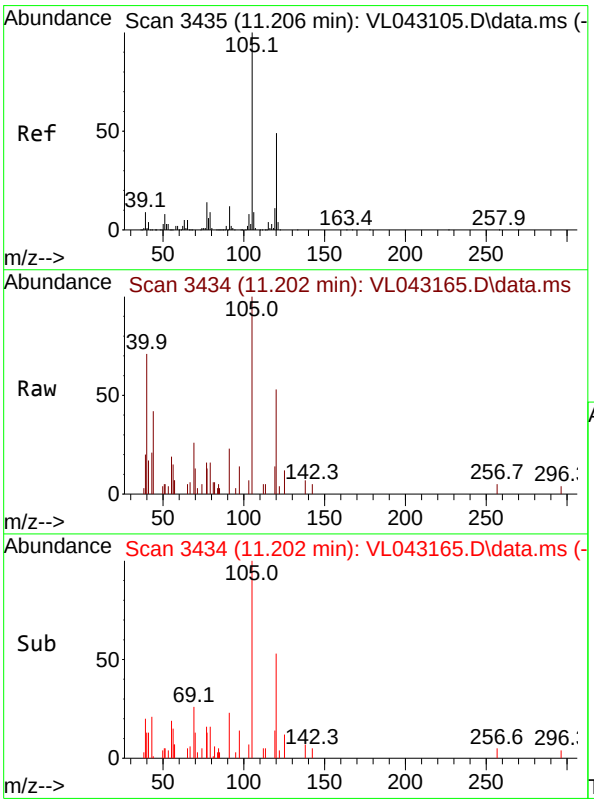
#72
4-Ethyltoluene
Concen: 0.039 ppbv
RT: 11.121 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion:105 Resp: 1824

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.2	36.4#
91	0.0	10.0	15.0#
77	17.2	10.7	16.1#

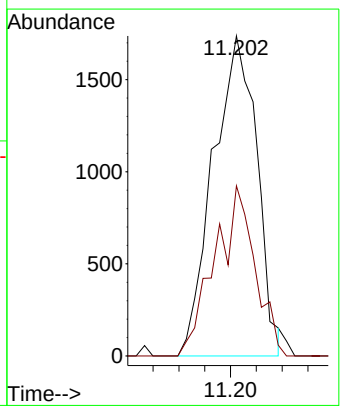


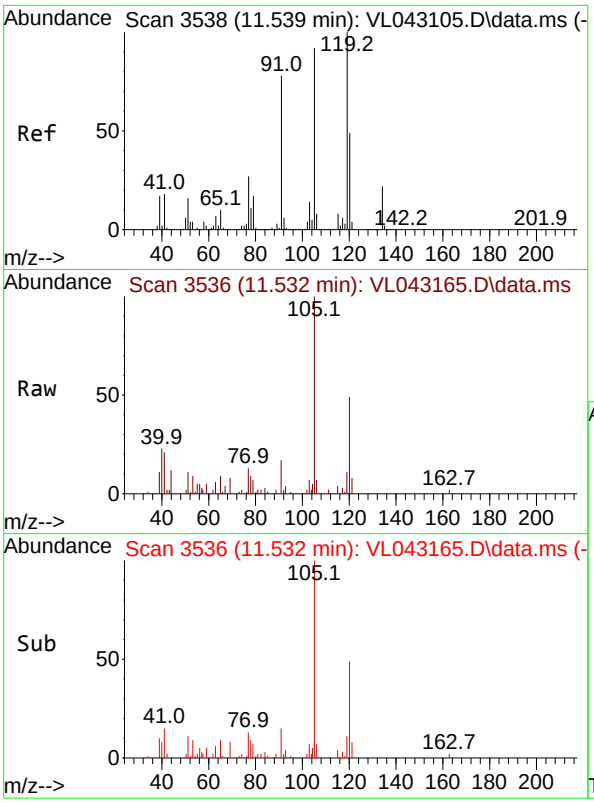


#73
1,3,5-Trimethylbenzene
Concen: 0.053 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:105 Resp: 2045

Ion	Ratio	Lower	Upper
105	100		
120	53.1	39.0	58.6



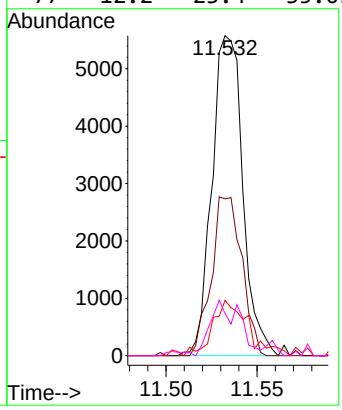


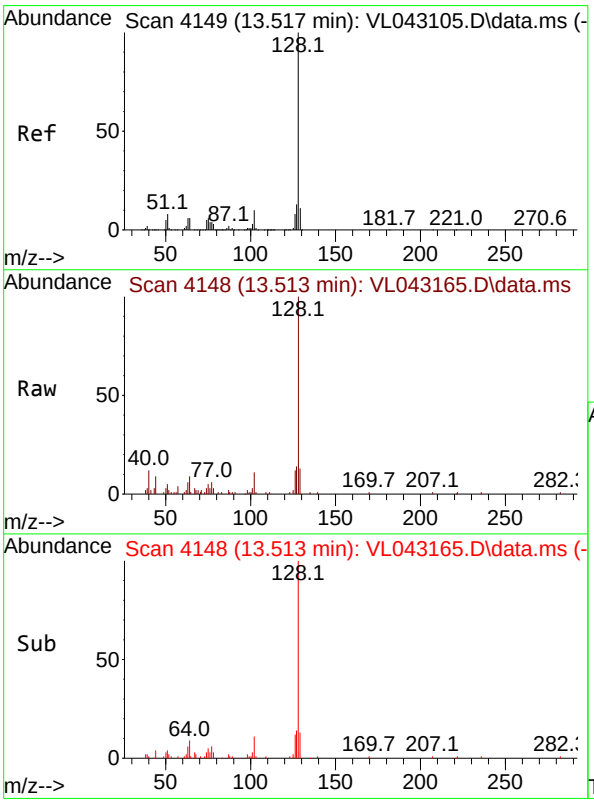
#74
1,2,4-Trimethylbenzene
Concen: 0.151 ppbv
RT: 11.532 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion:105 Resp: 6570

Ion	Ratio	Lower	Upper
105	100		
120	49.0	42.8	64.2
91	16.1	68.3	102.5#
77	12.2	23.4	35.0#

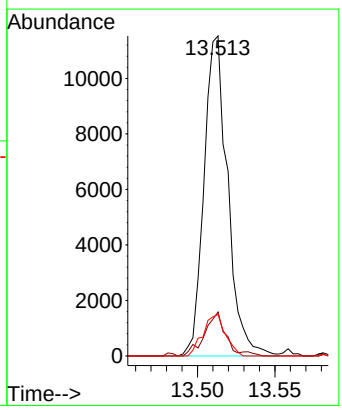


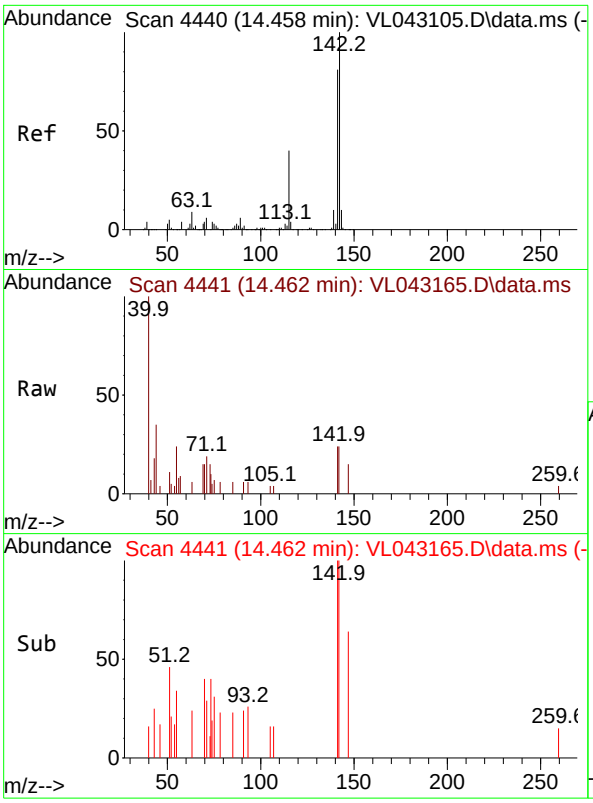


#79
Naphthalene
Concen: 0.269 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Tgt Ion:128 Resp: 12262

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	13.0	9.1	13.7



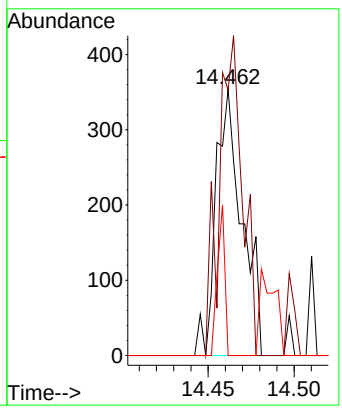


#80
Naphthalene,2-methyl-
Concen: 0.032 ppbv
RT: 14.462 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043165.D
Acq: 06 Nov 2025 13:50

Instrument :
MSVOA_L
ClientSampleId :
141-IA2

Tgt Ion:142 Resp: 375

Ion	Ratio	Lower	Upper
142	100		
141	107.7	64.6	97.0#
115	4.5	30.2	45.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043172.D
Acq On : 06 Nov 2025 17:35
Operator : SY/MD
Sample : Q3557-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Quant Time: Nov 07 00:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

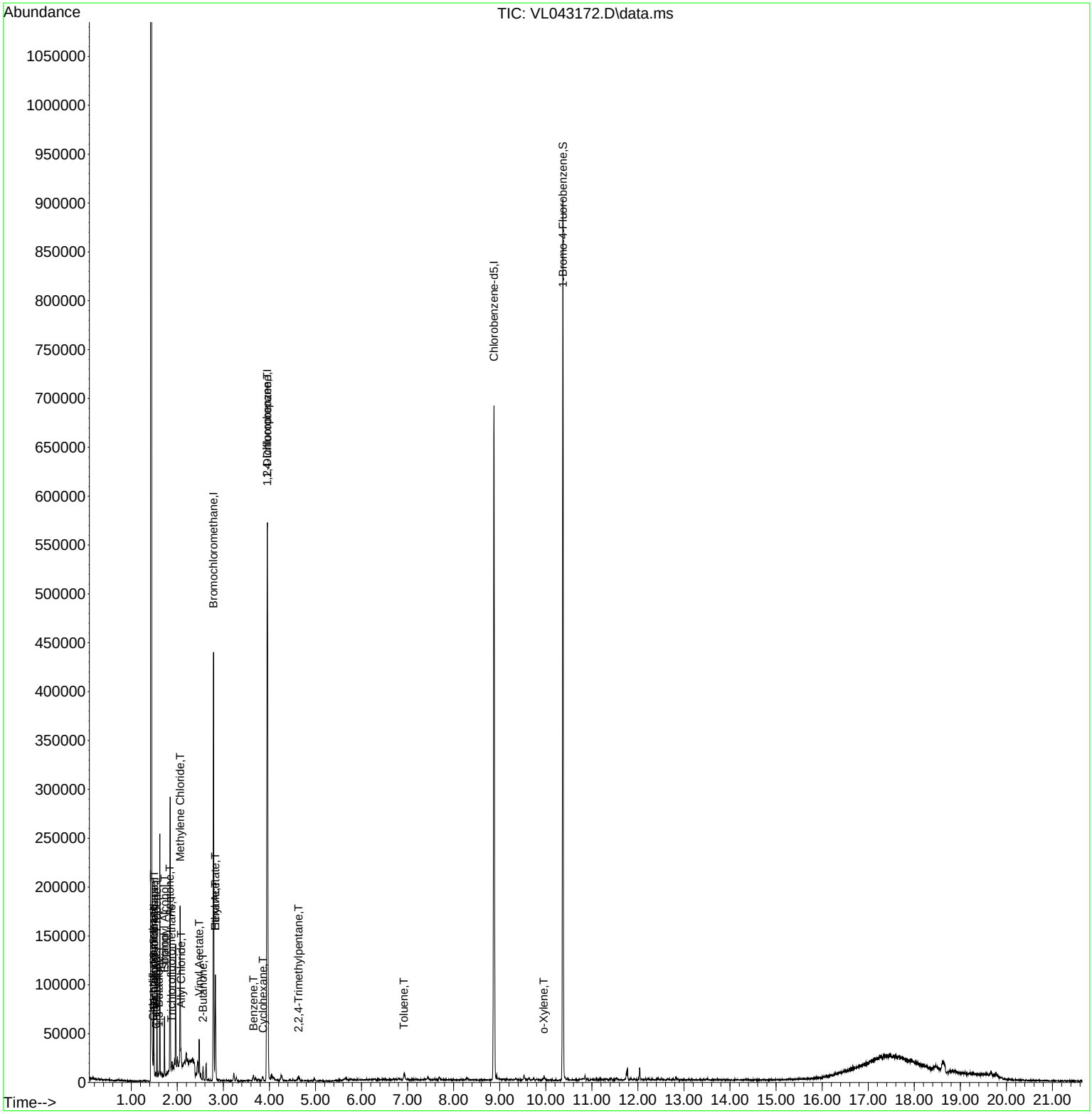
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	118952	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	326674	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	276195	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	218383	10.173	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6052	0.358	ppbv #	87
3) Chlorodifluoromethane	1.473	51	3168	0.173	ppbv #	85
4) Chloromethane	1.534	50	786	0.117	ppbv #	88
8) Dichlorotetrafluoroethane	1.499	85	6052	0.443	ppbv #	21
9) Propene	1.560	41	11536	1.422	ppbv	96
11) Trichlorofluoromethane	1.874	101	1381	0.083	ppbv #	62
13) Ethanol	1.722	45	18986	6.325	ppbv	94
15) Acetone	1.835	43	46549	2.903	ppbv	97
16) 1,3-Butadiene	1.599	39	606	0.079	ppbv #	13
19) Isopropyl Alcohol	1.722	45	18986	1.901	ppbv	99
20) Methylene Chloride	2.062	84	23578	3.720	ppbv	90
21) Allyl Chloride	2.081	41	1172	0.099	ppbv #	1
23) Vinyl Acetate	2.476	43	11271	0.480	ppbv #	49
25) Ethyl Acetate	2.826	43	17000	0.428	ppbv #	80
26) Hexane	2.826	57	23868	1.303	ppbv #	40
30) Cyclohexane	3.862	84	590	0.037	ppbv #	17
34) 2-Butanone	2.557	43	8478	0.386	ppbv	94
36) Benzene	3.654	78	2816	0.092	ppbv #	78
39) 1,2-Dichloropropane	3.952	63	84302	7.495	ppbv #	25
44) 2,2,4-Trimethylpentane	4.632	57	2333	0.045	ppbv #	13
53) Toluene	6.920	91	3828	0.105	ppbv #	77
60) o-Xylene	9.956	91	1125	0.030	ppbv	93

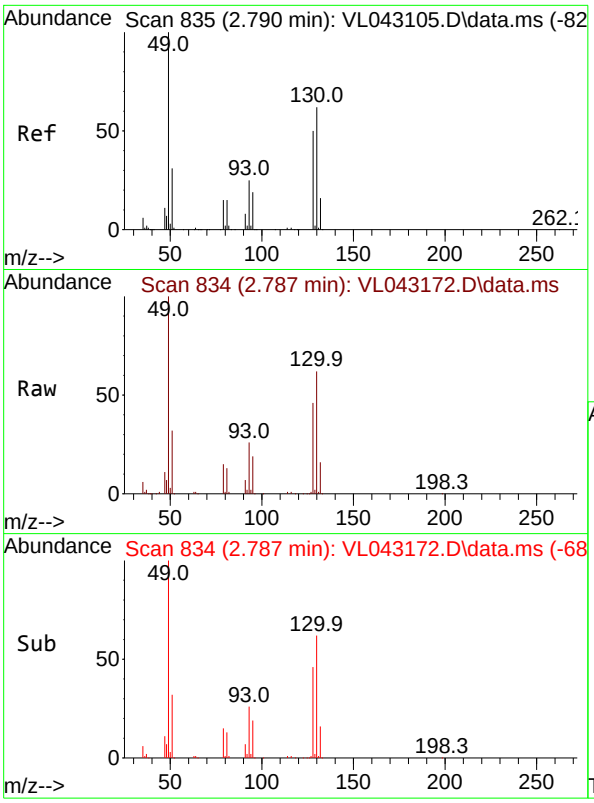
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043172.D
Acq On : 06 Nov 2025 17:35
Operator : SY/MD
Sample : Q3557-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Quant Time: Nov 07 00:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



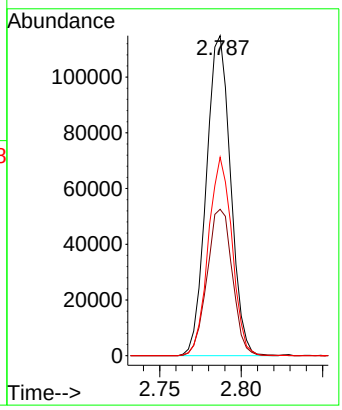


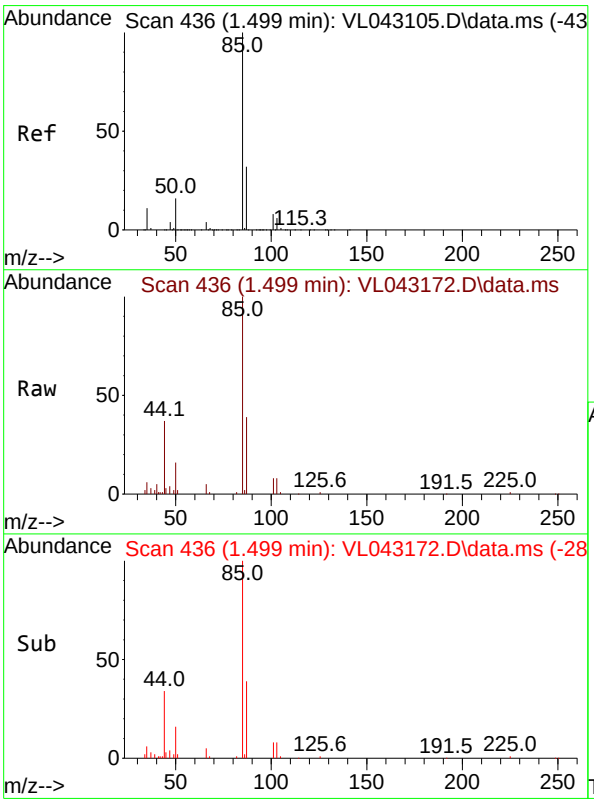
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 49 Resp: 118952

Ion	Ratio	Lower	Upper
49	100		
128	47.5	24.4	73.4
130	60.7	31.0	93.0

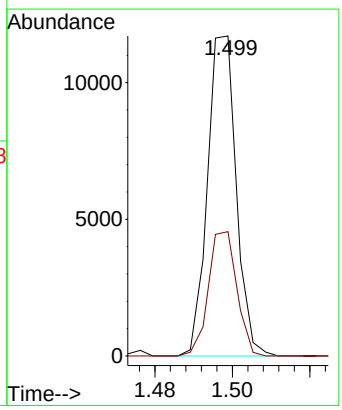


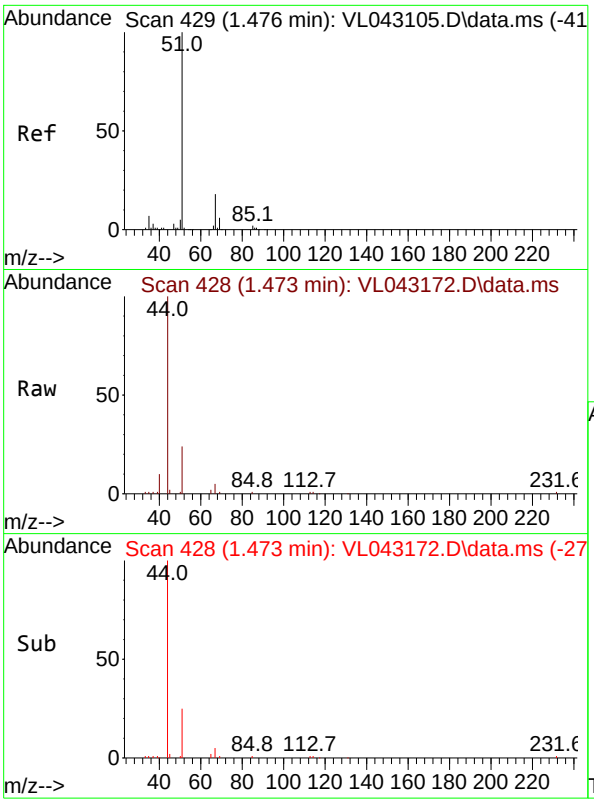


#2
Dichlorodifluoromethane
Concen: 0.358 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 85 Resp: 6052

Ion	Ratio	Lower	Upper
85	100		
87	38.8	25.3	37.9#



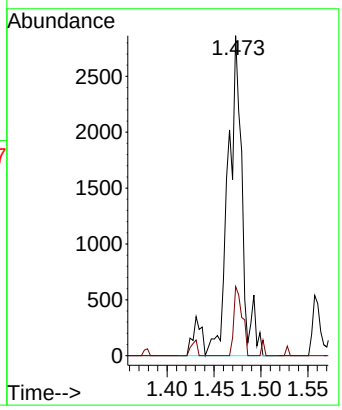


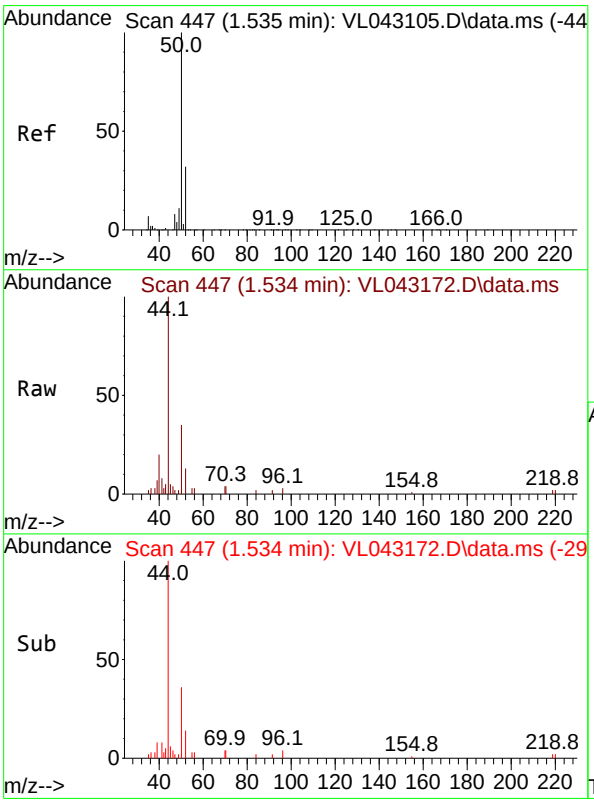
#3
Chlorodifluoromethane
Concen: 0.173 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 51 Resp: 3168

Ion	Ratio	Lower	Upper
51	100		
67	12.2	15.1	22.7#

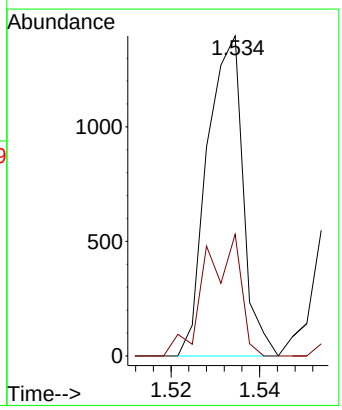


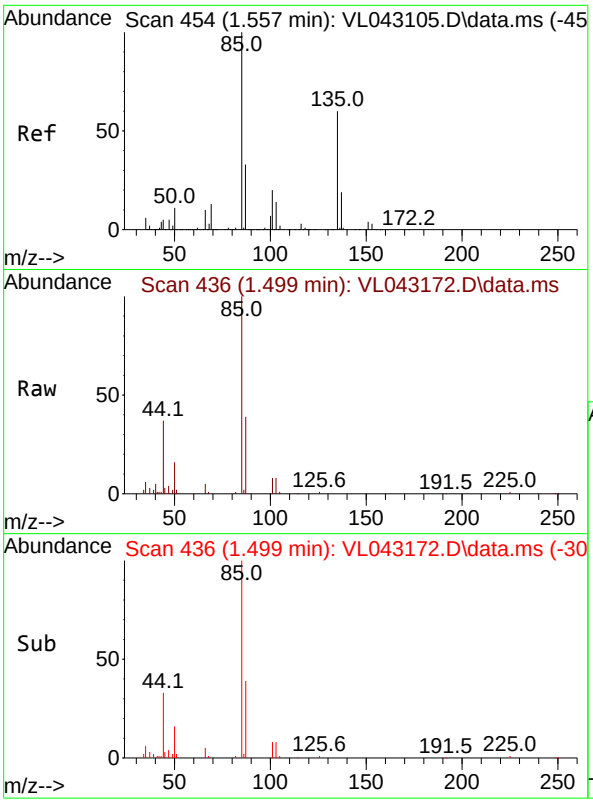


#4
Chloromethane
Concen: 0.117 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 50 Resp: 786

Ion	Ratio	Lower	Upper
50	100		
52	38.0	25.2	37.8#



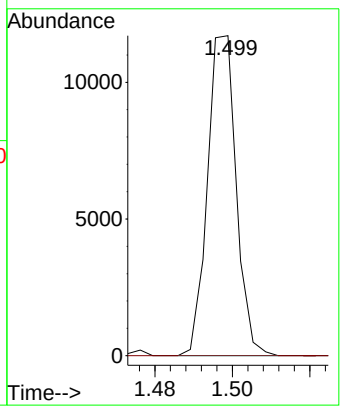


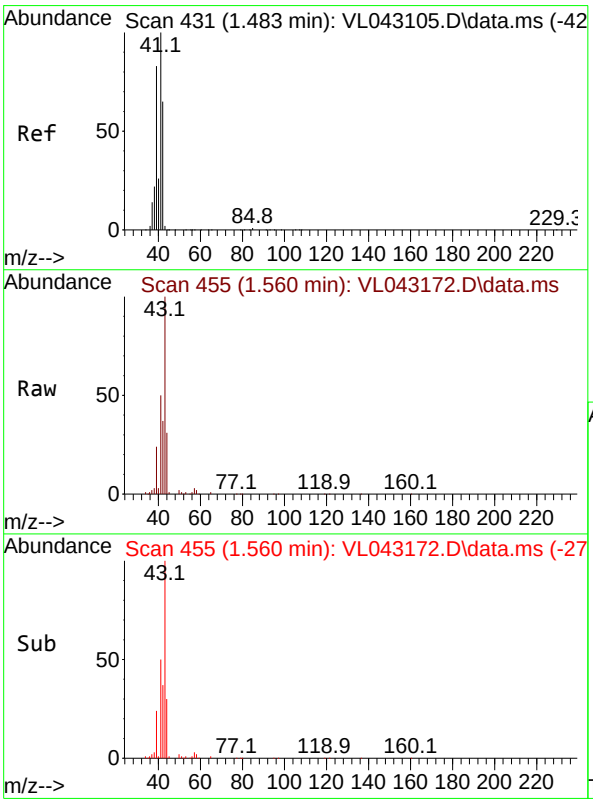
#8
Dichlorotetrafluoroethane
Concen: 0.443 ppbv
RT: 1.499 min Scan# 4
Delta R.T. -0.058 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 85 Resp: 6052

Ion	Ratio	Lower	Upper
85	100		
135	0.5	48.2	72.4#

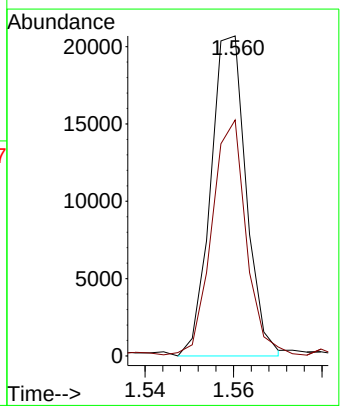


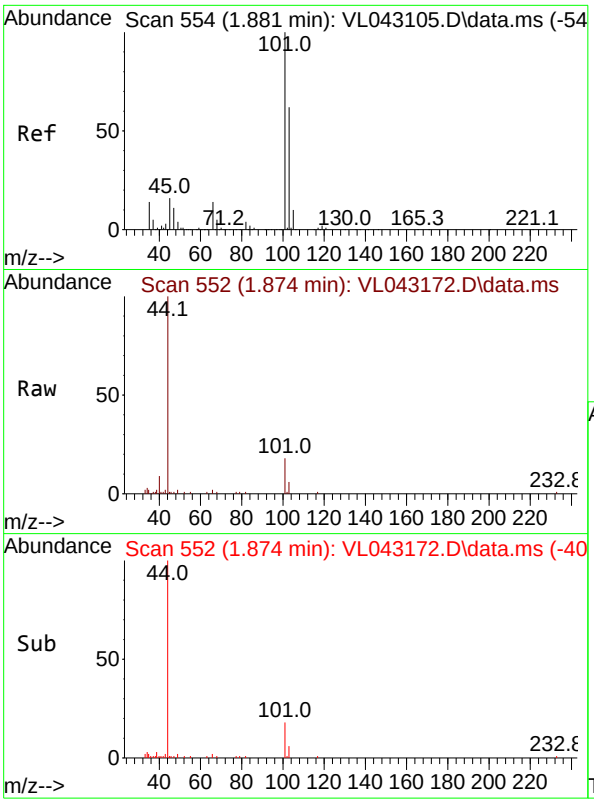


#9
Propene
Concen: 1.422 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.078 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 41 Resp: 11536

Ion	Ratio	Lower	Upper
41	100		
42	72.3	55.1	82.7



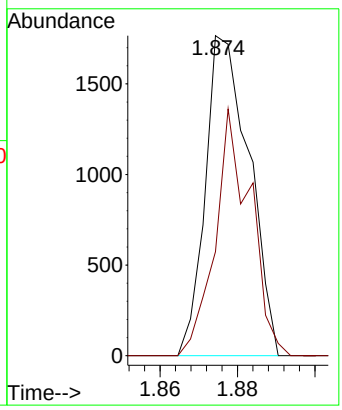


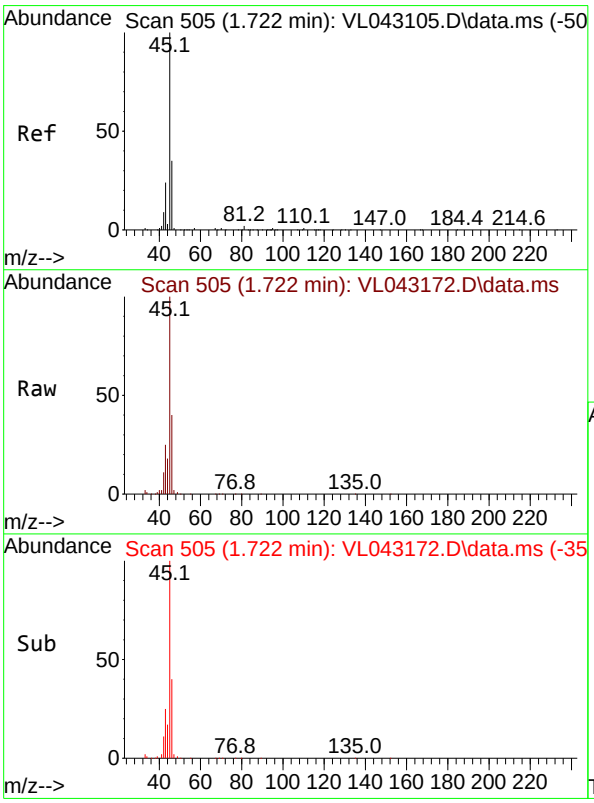
#11
Trichlorofluoromethane
Concen: 0.083 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.007 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion:101 Resp: 1381

Ion	Ratio	Lower	Upper
101	100		
103	32.5	49.3	73.9#

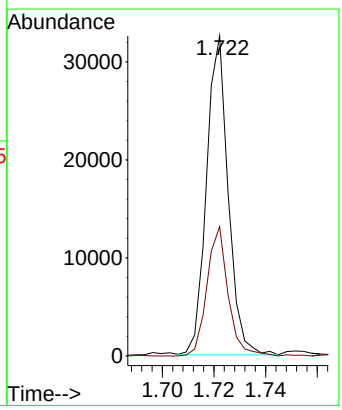


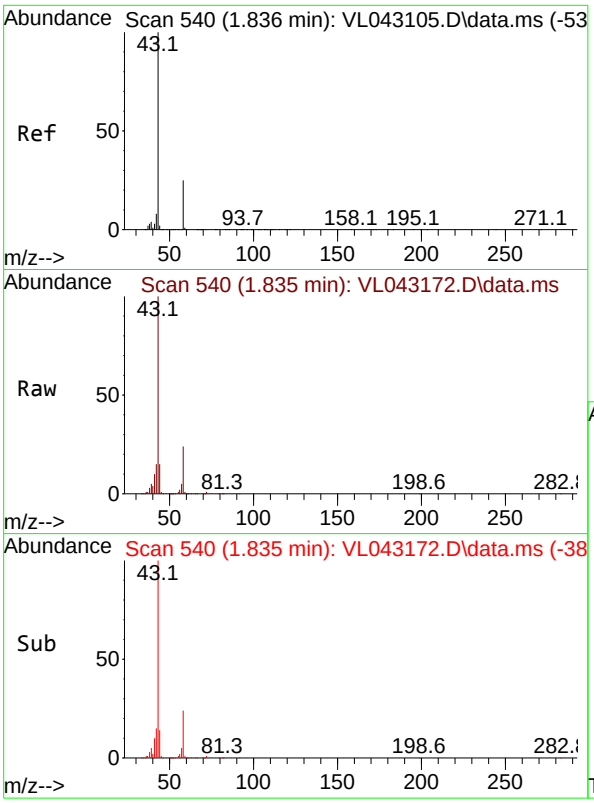


#13
Ethanol
Concen: 6.325 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 45 Resp: 18986

Ion	Ratio	Lower	Upper
45	100		
46	40.1	14.7	58.9



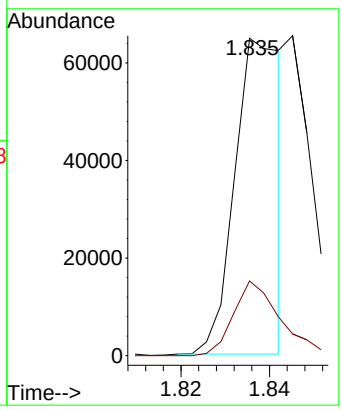


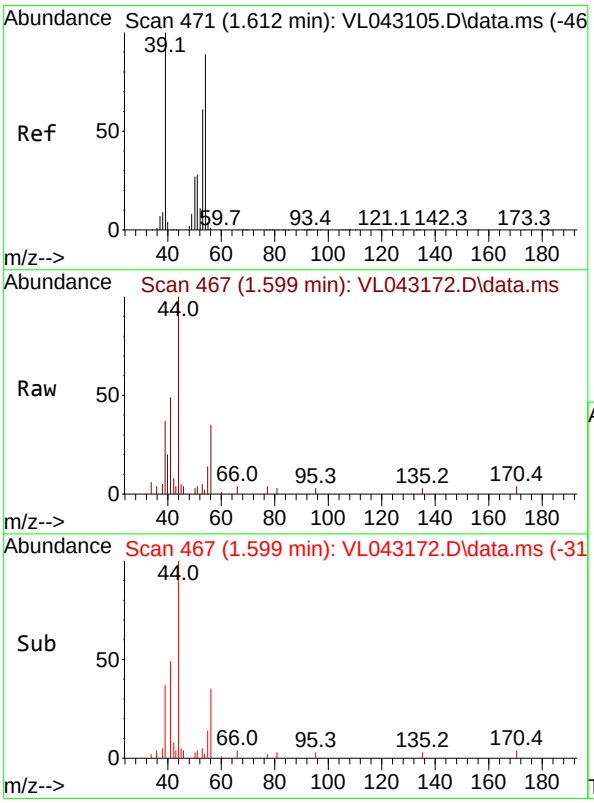
#15
Acetone
Concen: 2.903 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 43 Resp: 46549

Ion	Ratio	Lower	Upper
43	100		
58	24.3	20.8	31.2

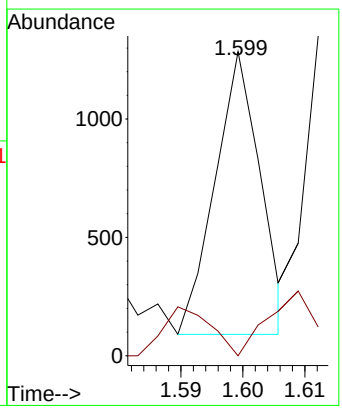


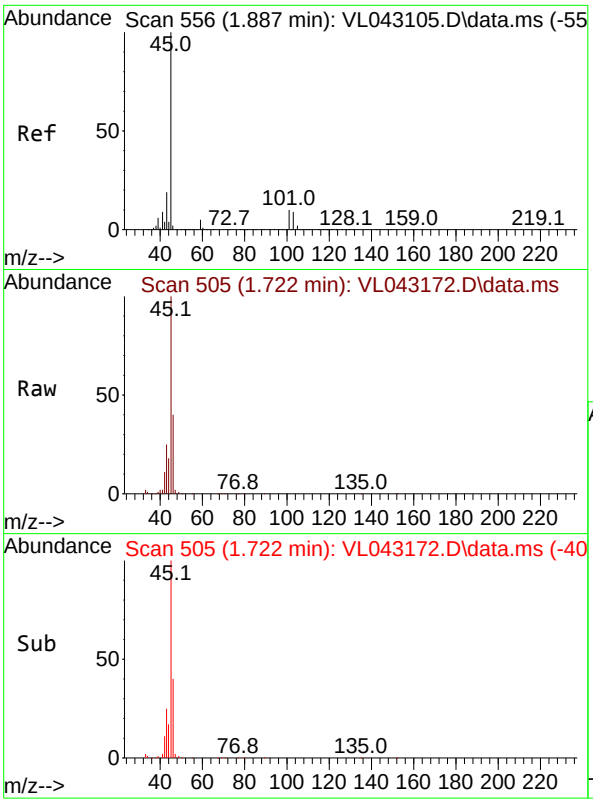


#16
1,3-Butadiene
Concen: 0.079 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.013 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 39 Resp: 606

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.0	88.4#



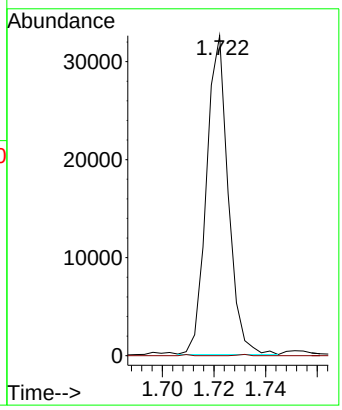


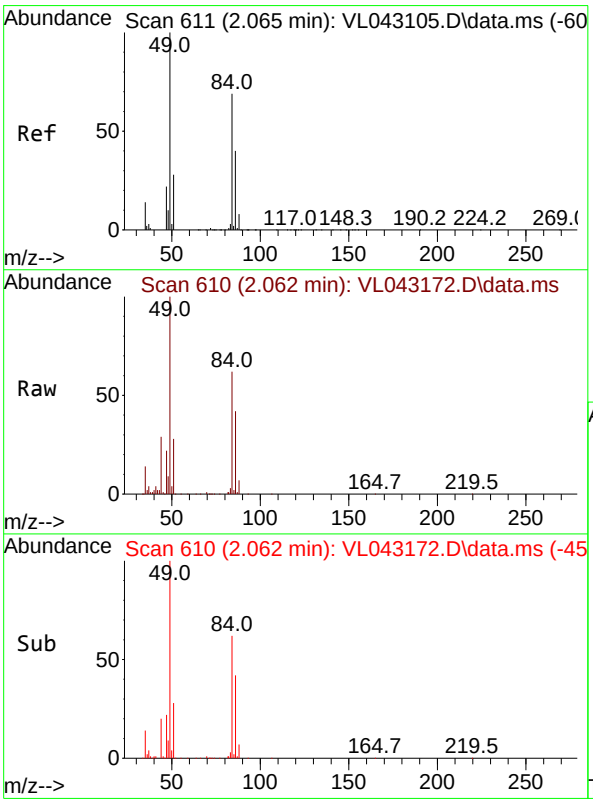
#19
Isopropyl Alcohol
Concen: 1.901 ppbv
RT: 1.722 min Scan# 5
Delta R.T. -0.165 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 45 Resp: 18986

Ion	Ratio	Lower	Upper
45	100		
58	39.9	31.3	46.9

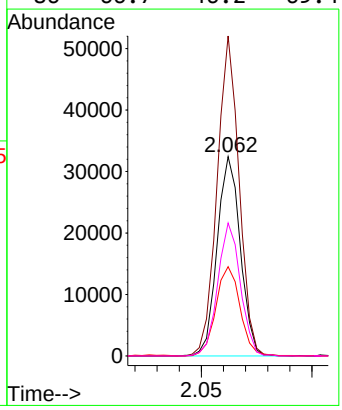


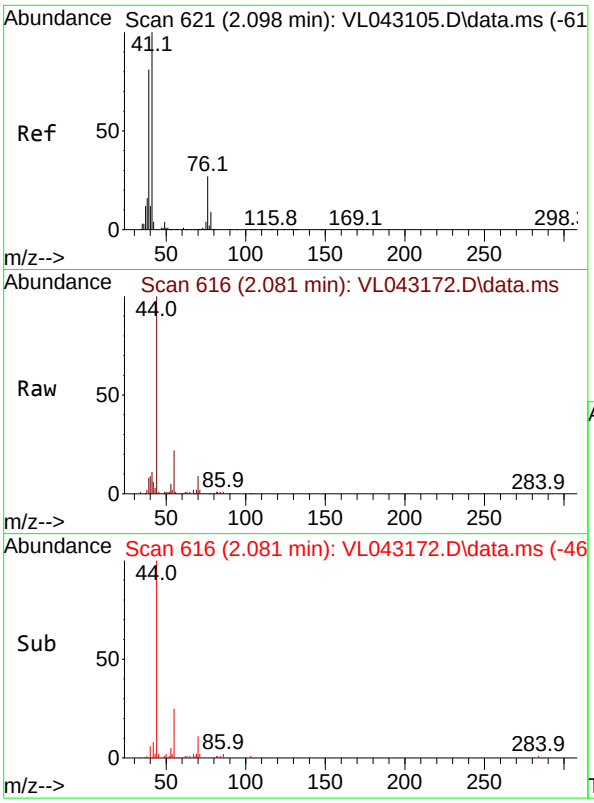


#20
Methylene Chloride
Concen: 3.720 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 84 Resp: 23578

Ion	Ratio	Lower	Upper
84	100		
49	160.5	116.6	175.0
51	44.8	34.8	52.2
86	66.7	46.2	69.4



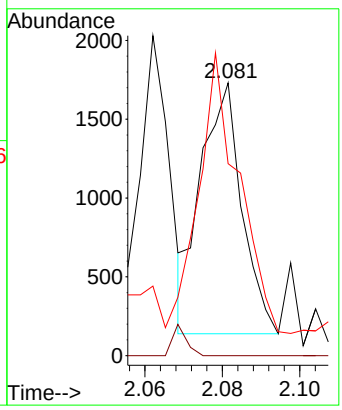


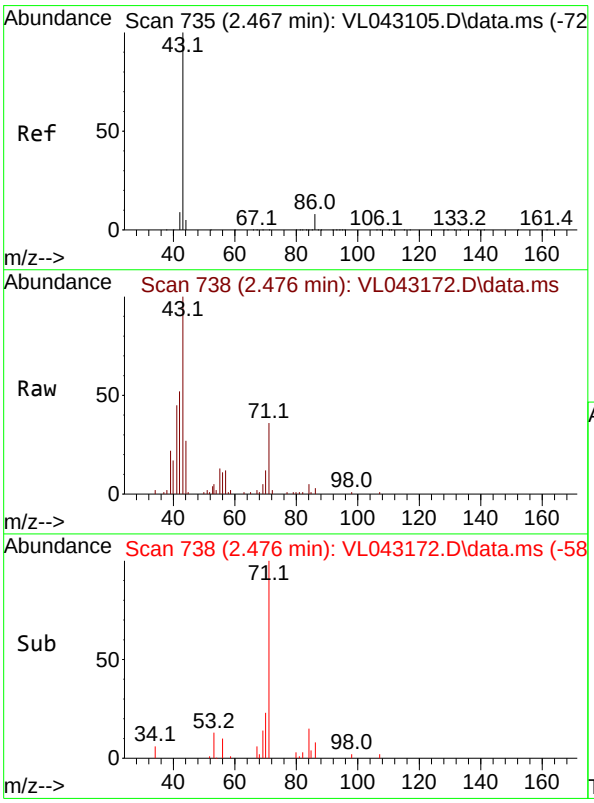
#21
Allyl Chloride
Concen: 0.099 ppbv
RT: 2.081 min Scan# 6
Delta R.T. -0.016 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 41 Resp: 1172

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.5	32.3#
39	202.5	60.8	91.2#

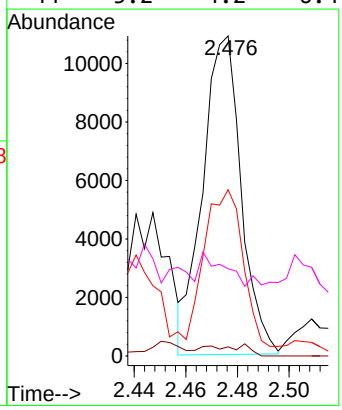


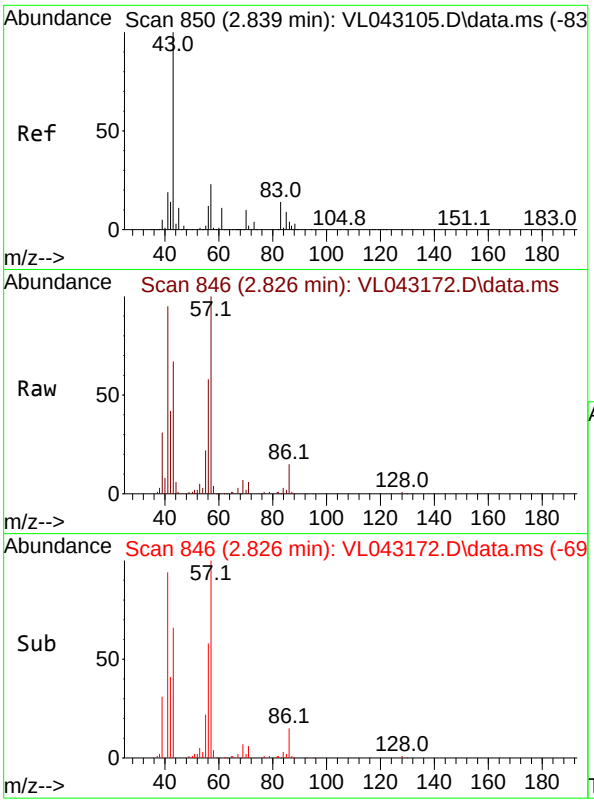


#23
Vinyl Acetate
Concen: 0.480 ppbv
RT: 2.476 min Scan# 738
Delta R.T. 0.010 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 43 Resp: 11271

Ion	Ratio	Lower	Upper
43	100		
86	2.9	6.2	9.2#
42	49.7	7.6	11.4#
44	5.2	4.2	6.4



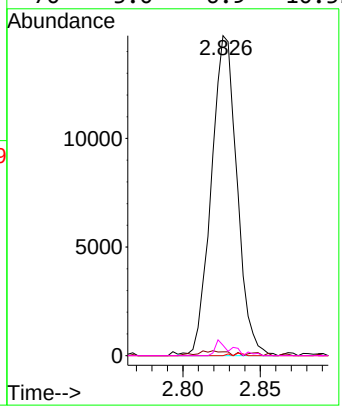


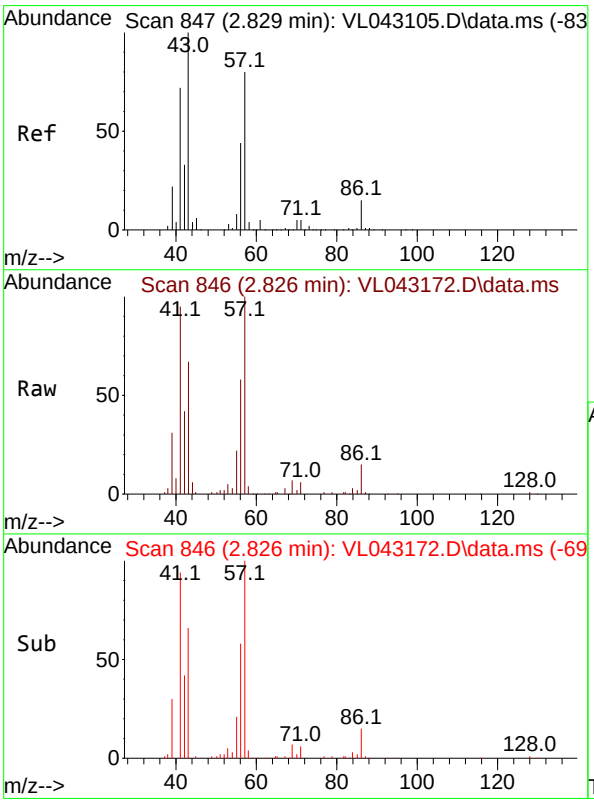
#25
Ethyl Acetate
Concen: 0.428 ppbv
RT: 2.826 min Scan# 8
Delta R.T. -0.013 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 43 Resp: 17000

Ion	Ratio	Lower	Upper
43	100		
45	2.3	7.8	11.8#
61	0.0	7.0	10.6#
70	3.0	6.9	10.3#

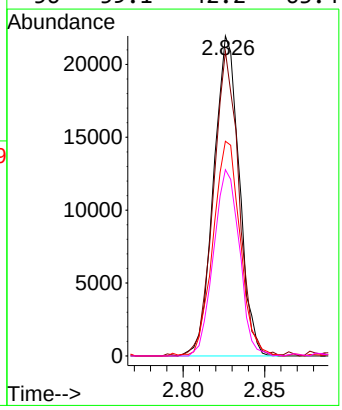


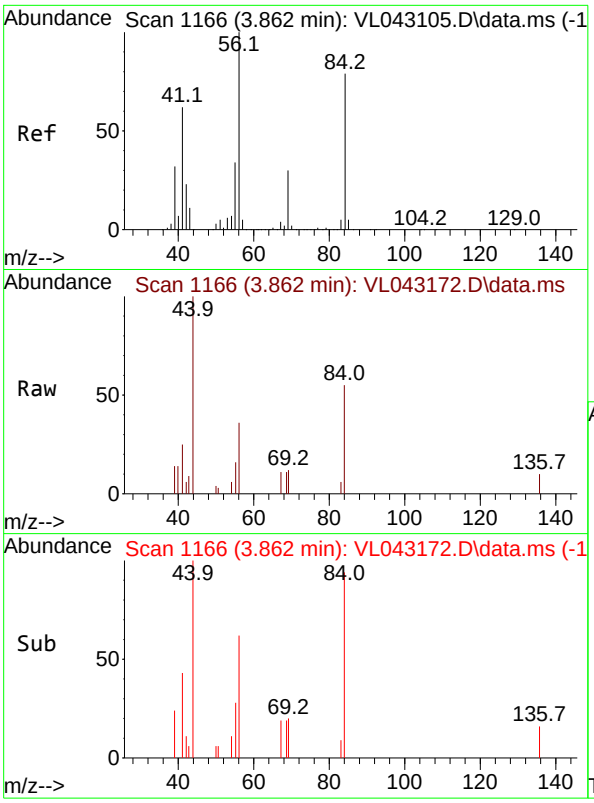


#26
Hexane
Concen: 1.303 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 57 Resp: 23868

Ion	Ratio	Lower	Upper
57	100		
41	95.0	71.4	107.0
43	71.9	178.5	267.7#
56	59.1	42.2	63.4



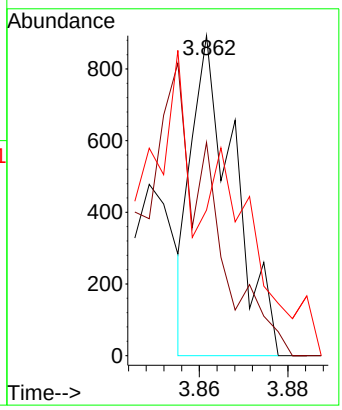


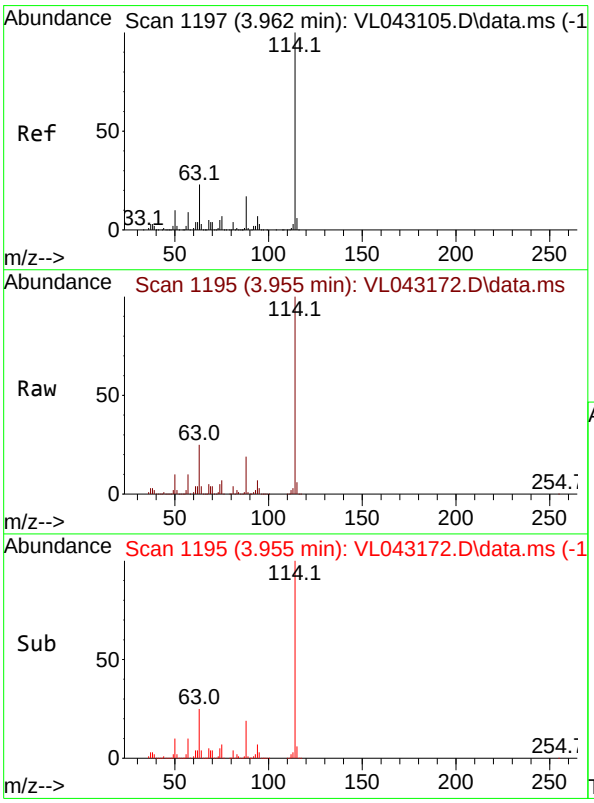
#30
Cyclohexane
Concen: 0.037 ppbv
RT: 3.862 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 84 Resp: 590

Ion	Ratio	Lower	Upper
84	100		
56	158.3	100.9	151.3#
41	228.6	63.8	95.6#

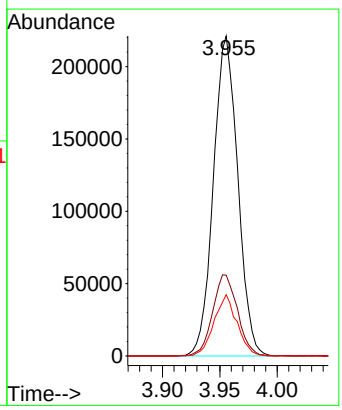


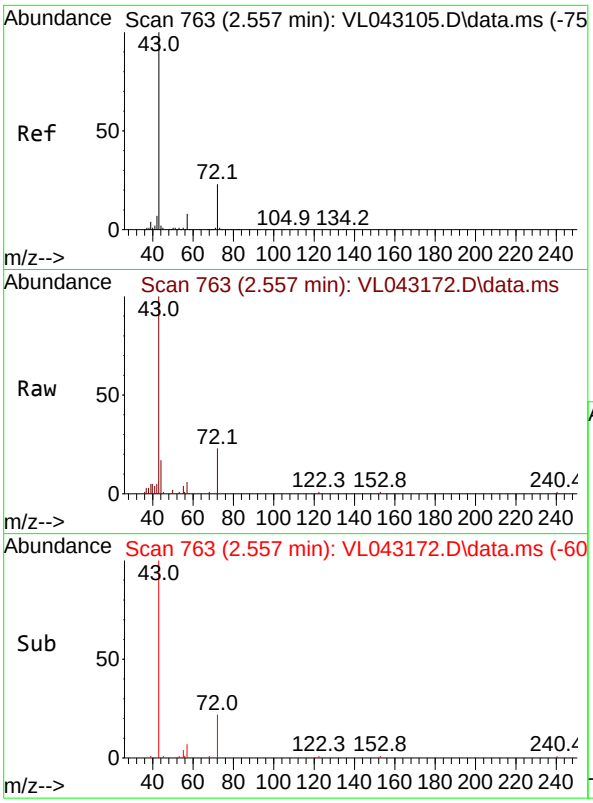


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.007 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion:114 Resp: 326674

Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.3	28.9
88	18.1	13.9	20.9



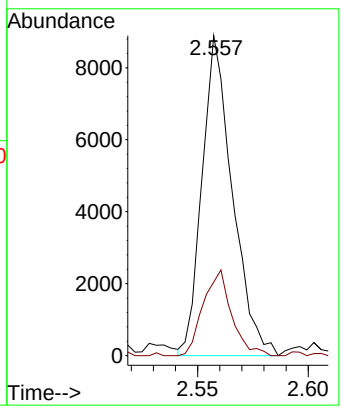


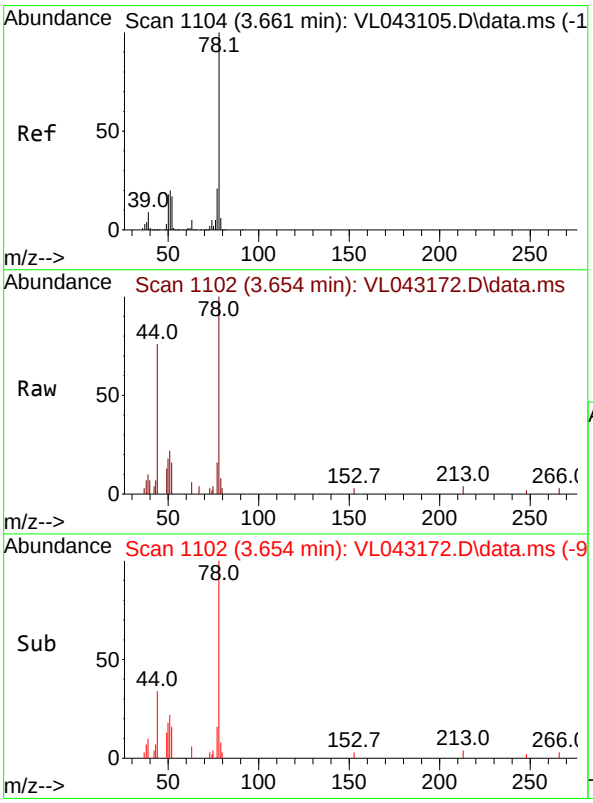
#34
2-Butanone
Concen: 0.386 ppbv
RT: 2.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 43 Resp: 8478

Ion	Ratio	Lower	Upper
43	100		
72	25.7	18.4	27.6

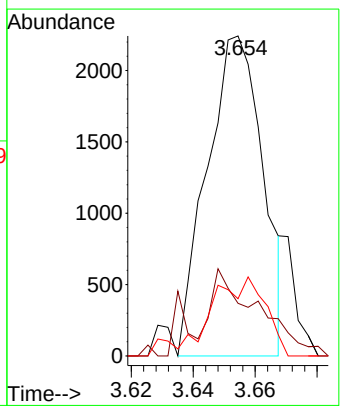


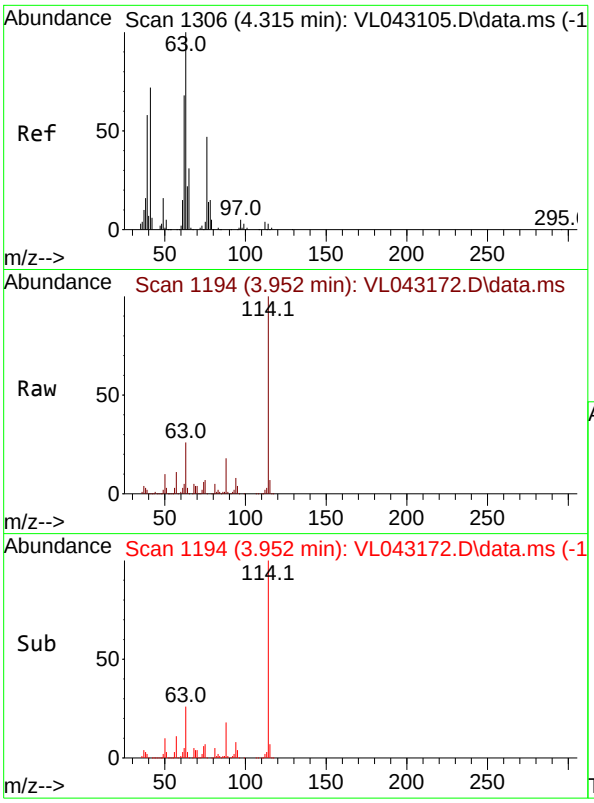


#36
Benzene
Concen: 0.092 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.007 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 78 Resp: 2816

Ion	Ratio	Lower	Upper
78	100		
77	4.8	17.0	25.6#
50	15.7	14.6	22.0



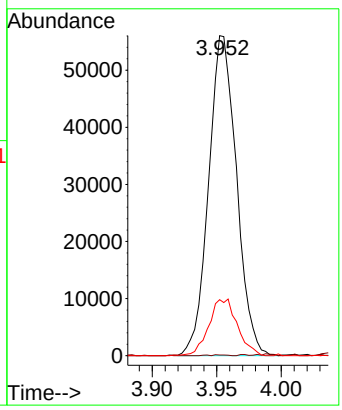


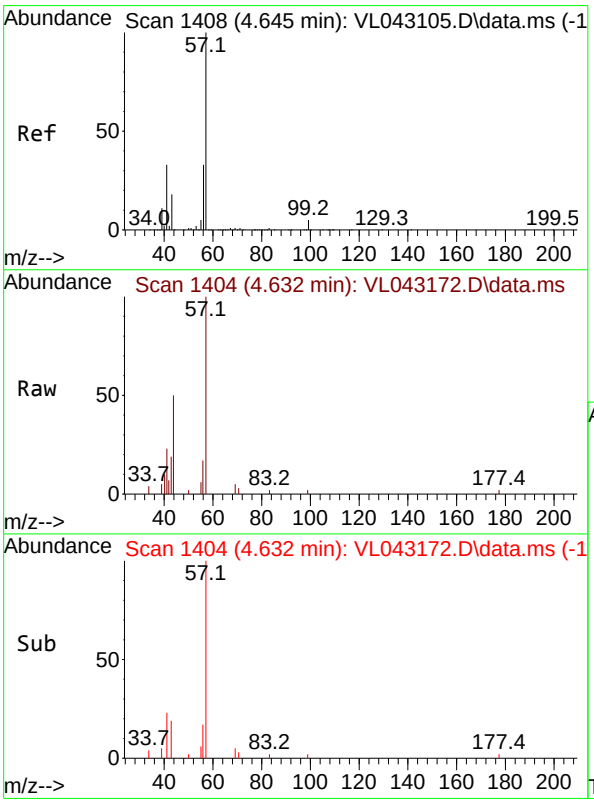
#39
1,2-Dichloropropane
Concen: 7.495 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.363 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 63 Resp: 84302

Ion	Ratio	Lower	Upper
63	100		
41	0.2	58.0	87.0#
62	17.3	54.7	82.1#

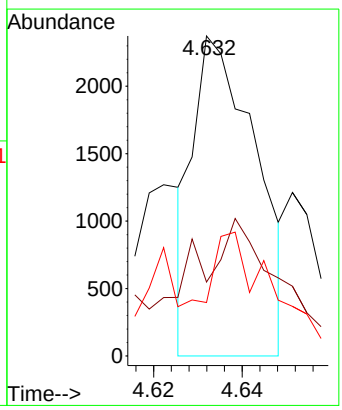


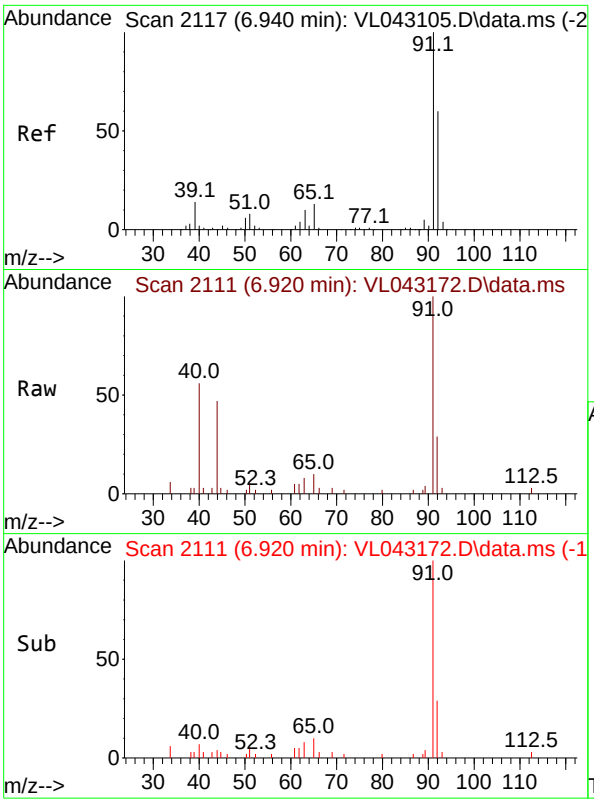


#44
2,2,4-Trimethylpentane
Concen: 0.045 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.013 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 57 Resp: 2333

Ion	Ratio	Lower	Upper
57	100		
41	86.1	26.3	39.5#
56	76.5	25.9	38.9#



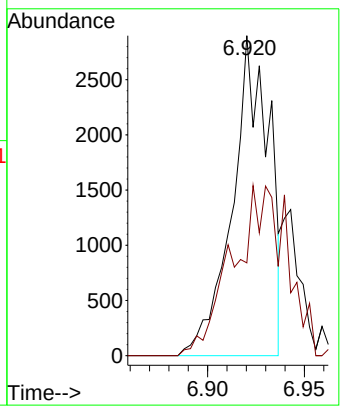


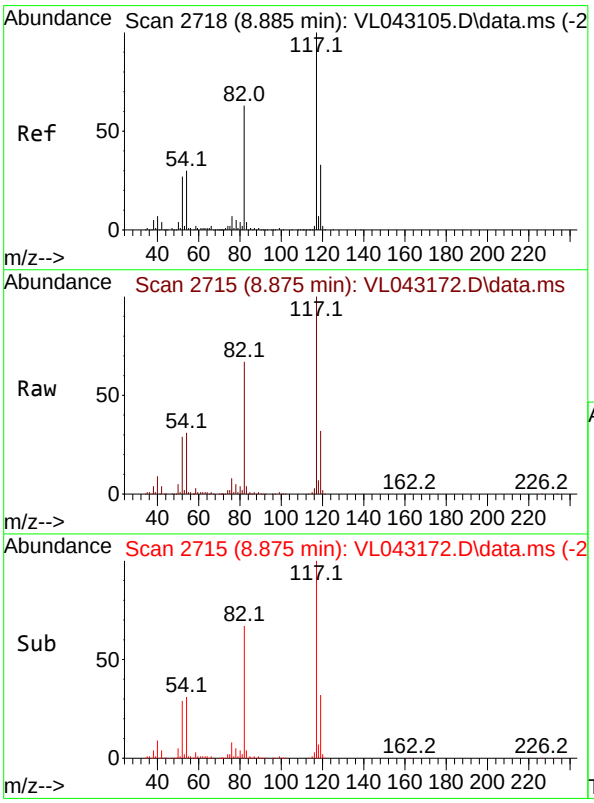
#53
Toluene
Concen: 0.105 ppbv
RT: 6.920 min Scan# 21
Delta R.T. -0.020 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 91 Resp: 3828

Ion	Ratio	Lower	Upper
91	100		
92	78.6	48.8	73.2#

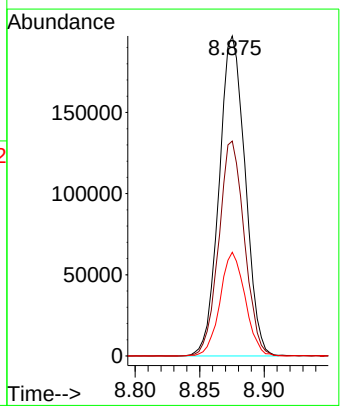


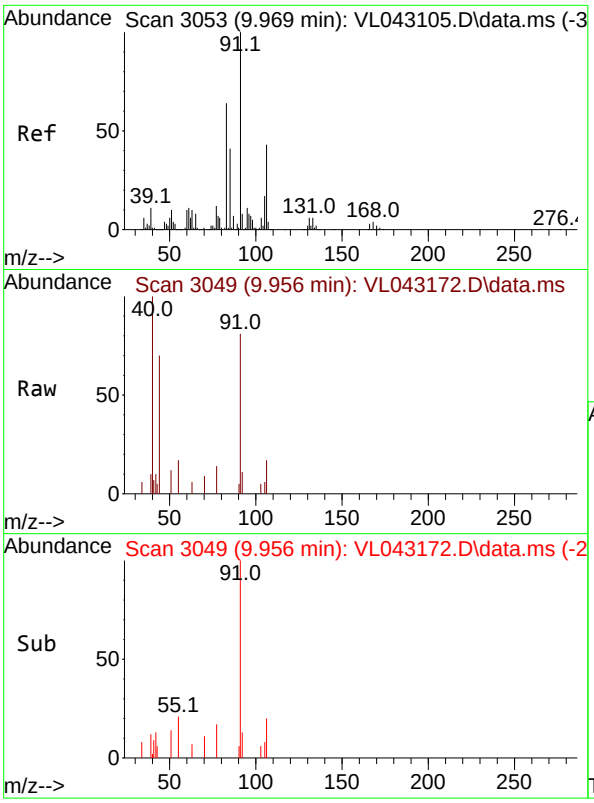


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.010 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion:117 Resp: 276195

Ion	Ratio	Lower	Upper
117	100		
82	66.3	53.8	80.8
119	31.3	25.4	38.0



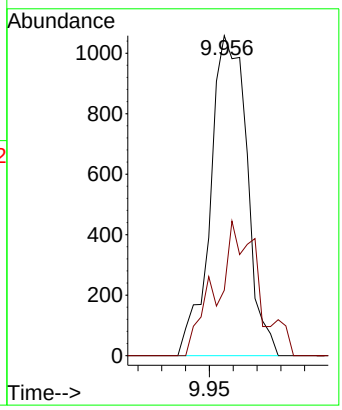


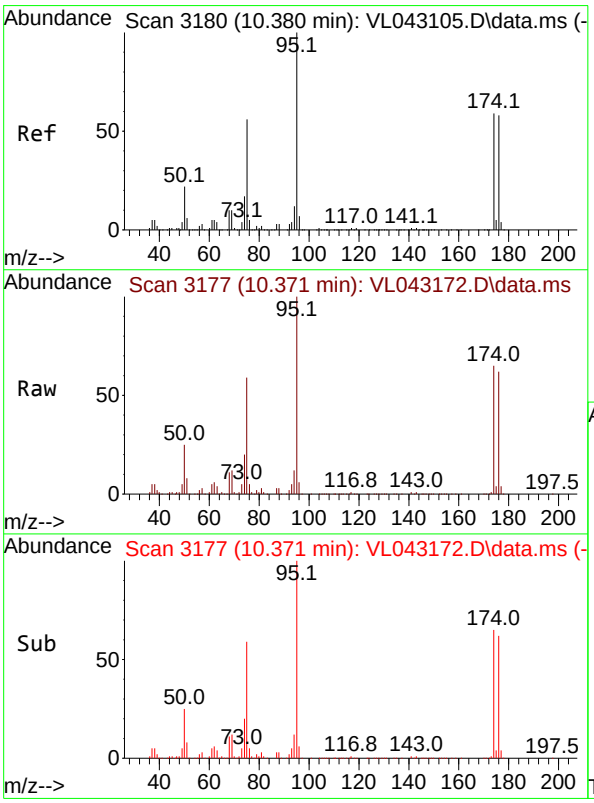
#60
o-Xylene
Concen: 0.030 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.013 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 91 Resp: 1125

Ion	Ratio	Lower	Upper
91	100		
106	48.4	21.9	65.8

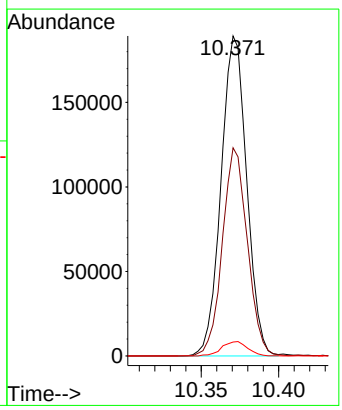




#68
1-Bromo-4-Fluorobenzene
Concen: 10.173 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.010 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 95 Resp: 218383

Ion	Ratio	Lower	Upper
95	100		
174	63.6	48.3	72.5
175	4.6	3.8	5.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043177.D
Acq On : 06 Nov 2025 20:35
Operator : SY/MD
Sample : Q3557-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Quant Time: Nov 07 00:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

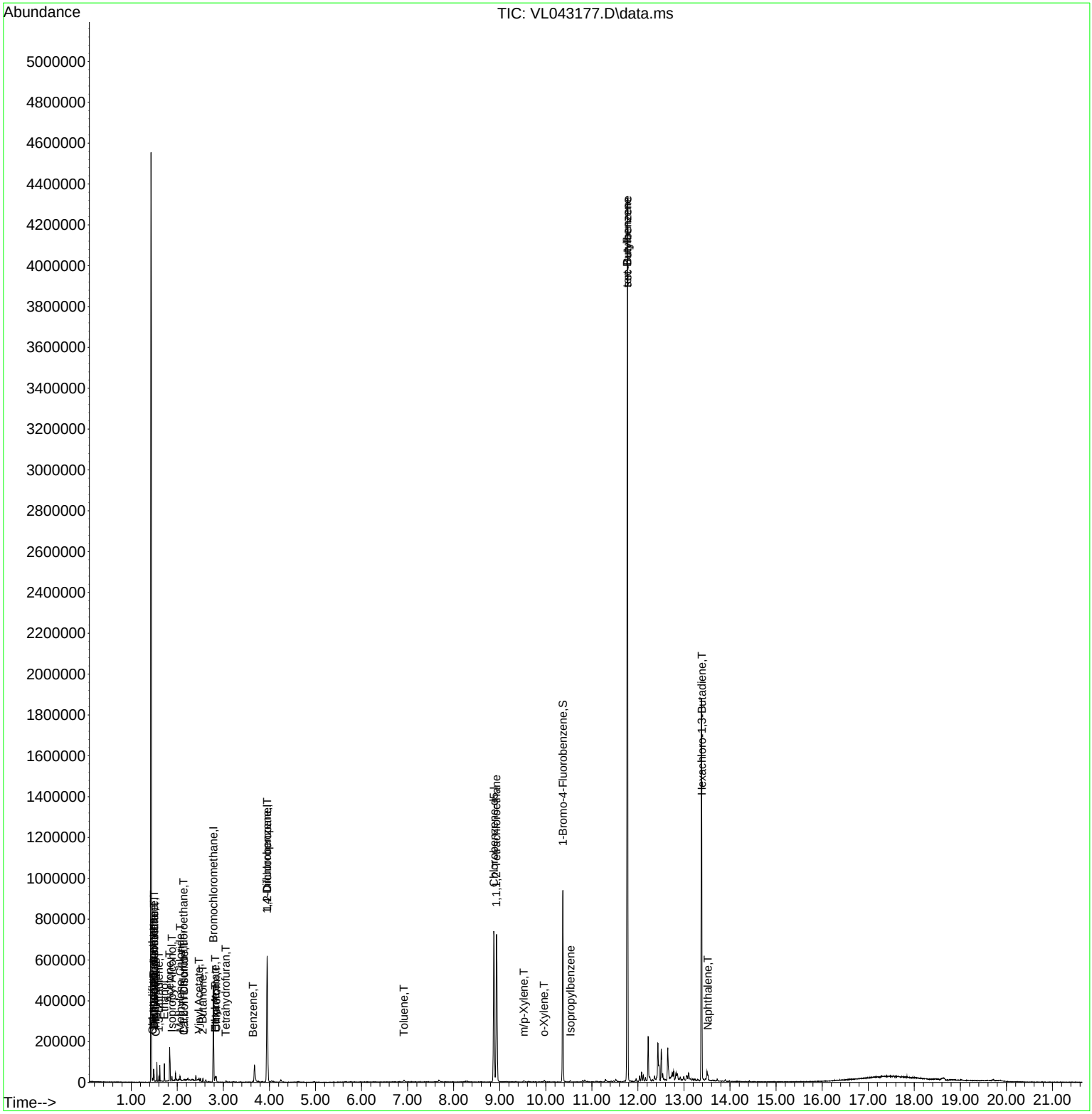
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	130758	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	364794	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.872	117	304142	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	234974	9.940	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	9913	0.533	ppbv	92
3) Chlorodifluoromethane	1.467	51	6585	0.327	ppbv #	78
4) Chloromethane	1.531	50	914	0.124	ppbv #	72
8) Dichlorotetrafluoroethane	1.496	85	9913	0.660	ppbv #	22
9) Propene	1.486	41	5549	0.622	ppbv	86
11) Trichlorofluoromethane	1.496	101	844	0.046	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.137	101	455	0.031	ppbv #	66
13) Ethanol	1.719	45	28888	8.755	ppbv	99
15) Acetone	1.832	43	79867	4.532	ppbv	99
16) 1,3-Butadiene	1.599	39	2521	0.300	ppbv #	24
19) Isopropyl Alcohol	1.884	45	8294	0.756	ppbv #	1
20) Methylene Chloride	2.062	84	3197	0.459	ppbv #	79
23) Vinyl Acetate	2.473	43	4609	0.179	ppbv #	46
25) Ethyl Acetate	2.823	43	4404	0.101	ppbv #	89
26) Hexane	2.823	57	5600	0.278	ppbv #	39
27) Carbon Disulfide	2.146	76	1875	0.102	ppbv #	1
29) Chloroform	2.846	83	10548	0.361	ppbv	93
34) 2-Butanone	2.554	43	12160	0.496	ppbv	94
36) Benzene	3.645	78	1388	0.040	ppbv #	86
39) 1,2-Dichloropropane	3.952	63	94079	7.490	ppbv #	25
41) Tetrahydrofuran	3.053	42	1213	0.088	ppbv #	58
53) Toluene	6.917	91	2339	0.057	ppbv #	20
56) 1,1,1,2-Tetrachloroethane	8.927	131	1187	0.062	ppbv #	1
59) m/p-Xylene	9.523	91	1545	0.037	ppbv #	1
60) o-Xylene	9.963	91	1244	0.030	ppbv	92
62) Isopropylbenzene	10.536	105	3096	0.042	ppbv	96
65) tert-Butylbenzene	11.769	119	34809	0.531	ppbv #	31
67) sec-Butylbenzene	11.772	105	9420	0.101	ppbv #	1
78) Hexachloro-1,3-Butadiene	13.387	225	704	0.035	ppbv #	19
79) Naphthalene	13.517	128	2556	0.052	ppbv #	90

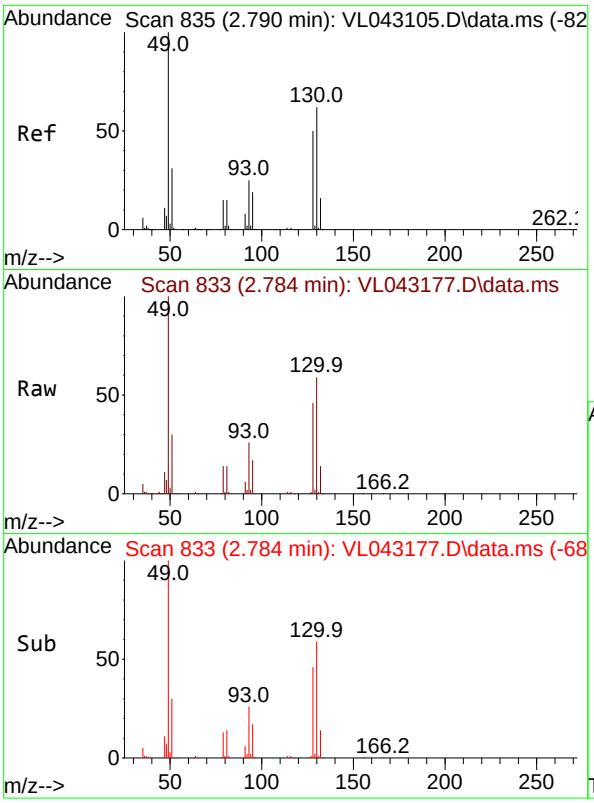
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043177.D
Acq On : 06 Nov 2025 20:35
Operator : SY/MD
Sample : Q3557-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Quant Time: Nov 07 00:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



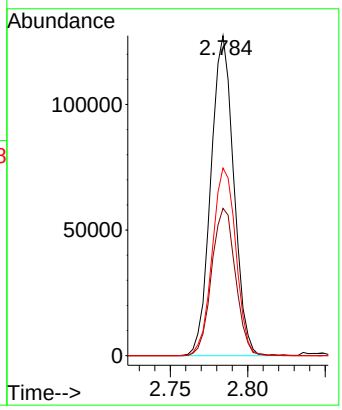


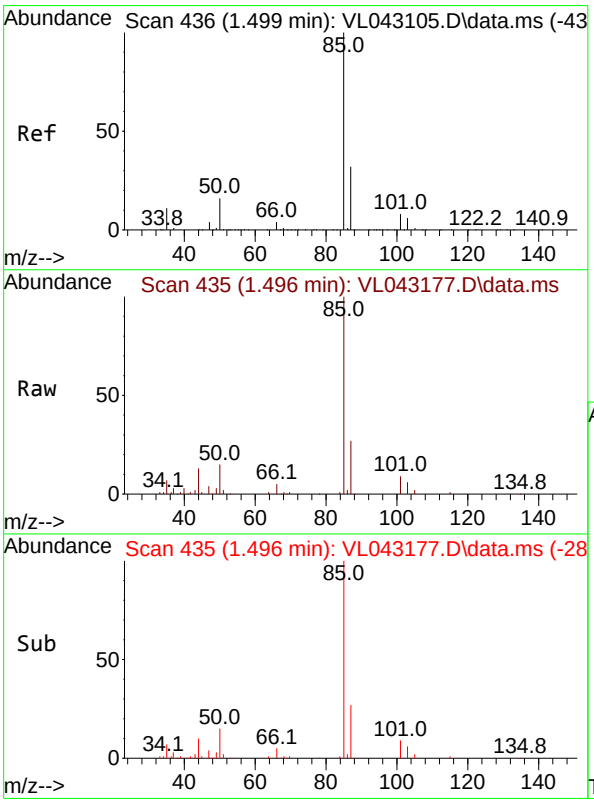
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 49 Resp: 130758

Ion	Ratio	Lower	Upper
49	100		
128	47.9	24.4	73.4
130	60.5	31.0	93.0

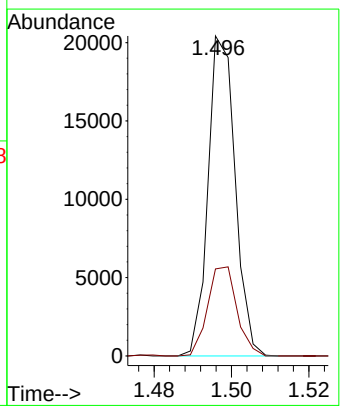


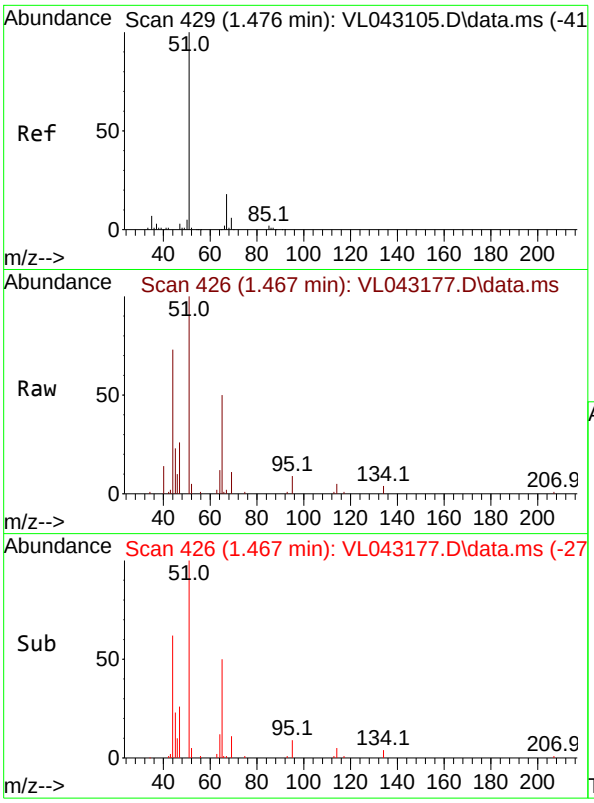


#2
Dichlorodifluoromethane
Concen: 0.533 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 85 Resp: 9913

Ion	Ratio	Lower	Upper
85	100		
87	27.2	25.3	37.9



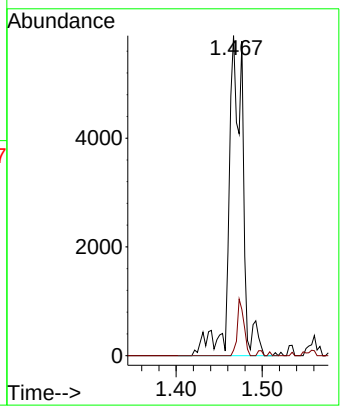


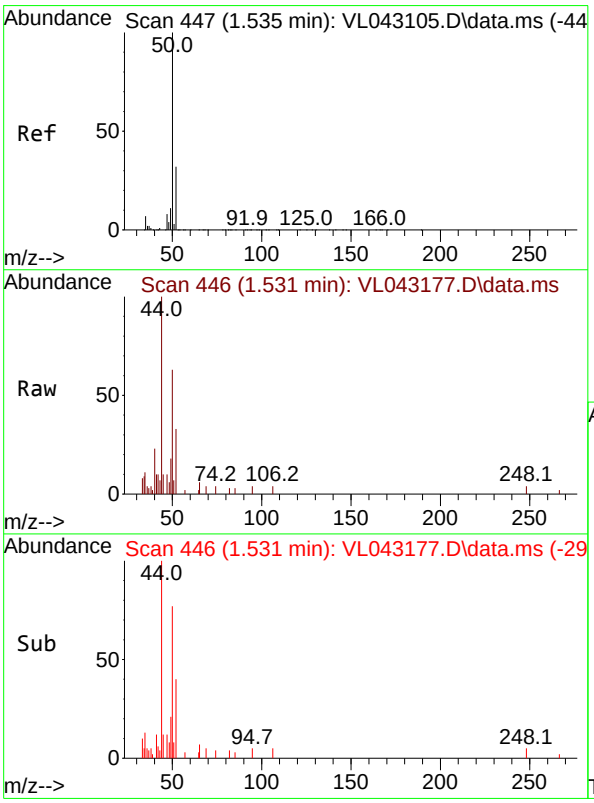
#3
Chlorodifluoromethane
Concen: 0.327 ppbv
RT: 1.467 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 51 Resp: 6585

Ion	Ratio	Lower	Upper
51	100		
67	9.2	15.1	22.7#

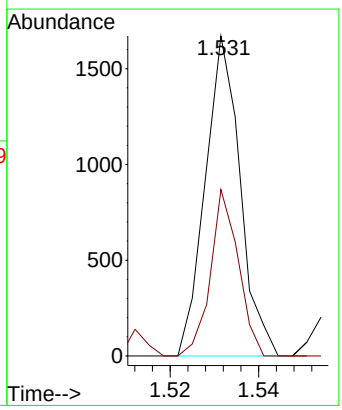


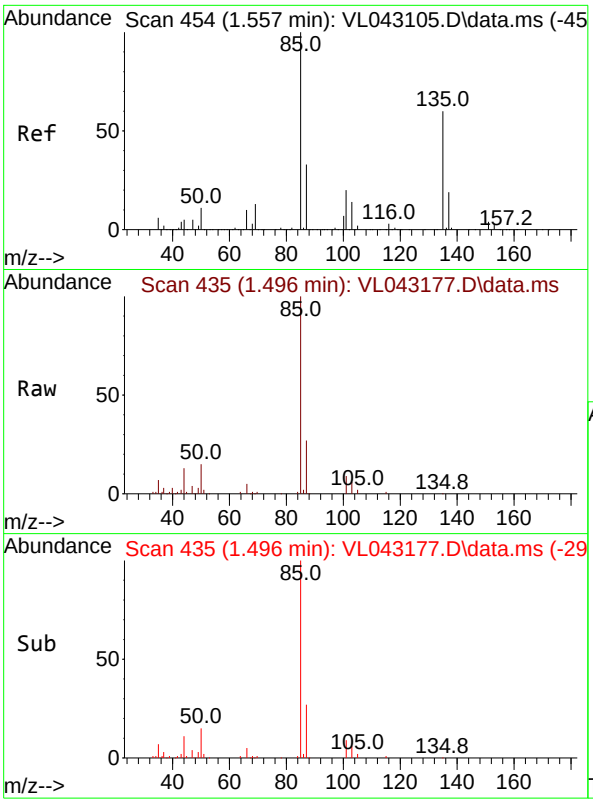


#4
Chloromethane
Concen: 0.124 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 50 Resp: 914

Ion	Ratio	Lower	Upper
50	100		
52	46.8	25.2	37.8#



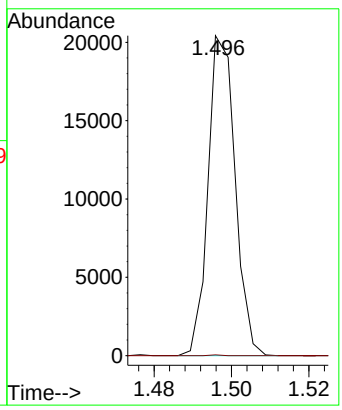


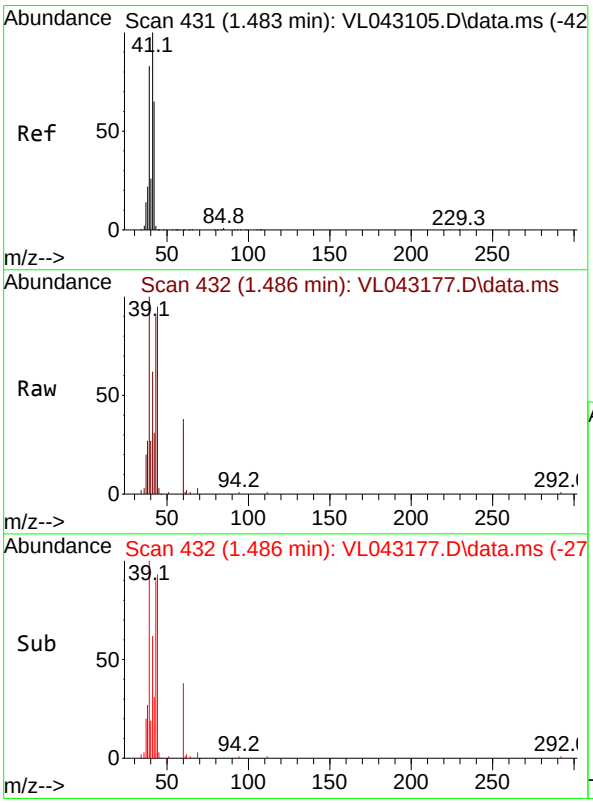
#8
Dichlorotetrafluoroethane
Concen: 0.660 ppbv
RT: 1.496 min Scan# 4
Delta R.T. -0.061 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 85 Resp: 9913

Ion	Ratio	Lower	Upper
85	100		
135	1.5	48.2	72.4#

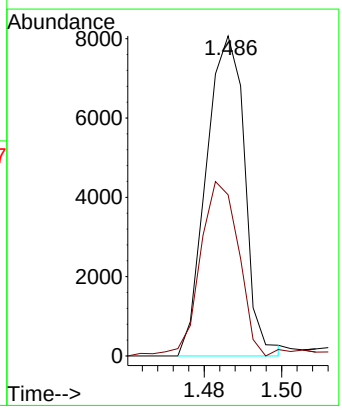


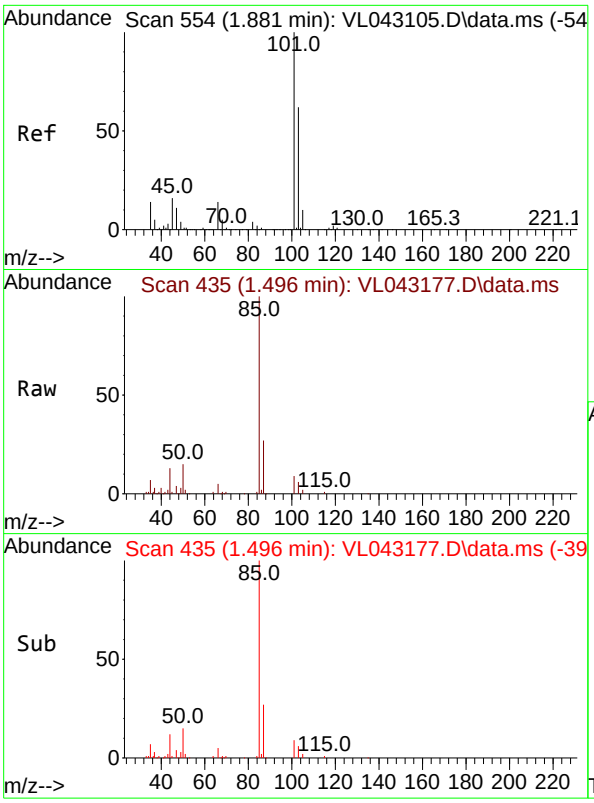


#9
Propene
Concen: 0.622 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 41 Resp: 5549

Ion	Ratio	Lower	Upper
41	100		
42	57.3	55.1	82.7



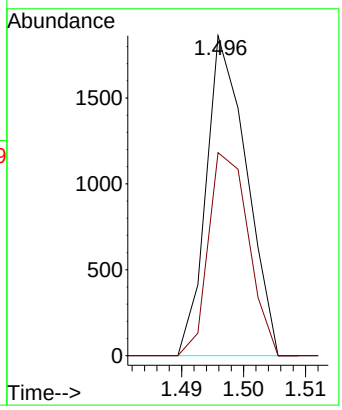


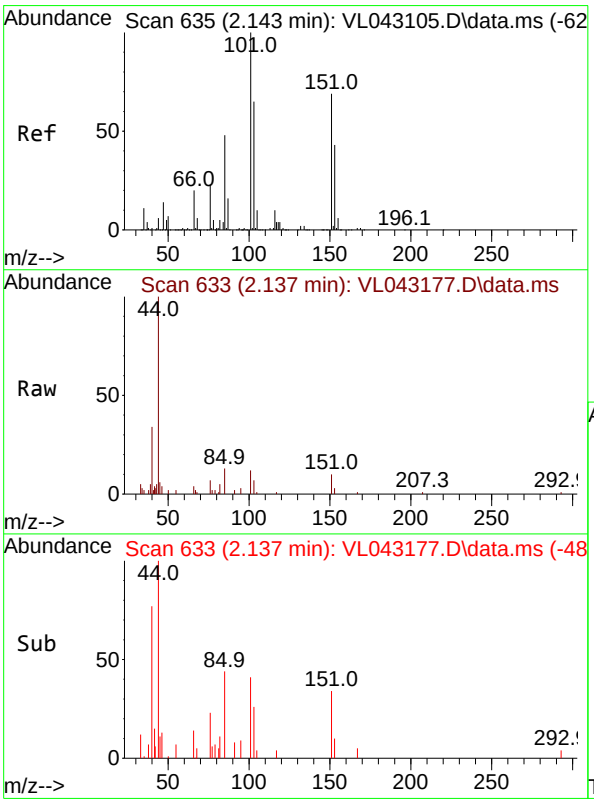
#11
Trichlorofluoromethane
Concen: 0.046 ppbv
RT: 1.496 min Scan# 4
Delta R.T. -0.385 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:101 Resp: 844

Ion	Ratio	Lower	Upper
101	100		
103	63.4	49.3	73.9

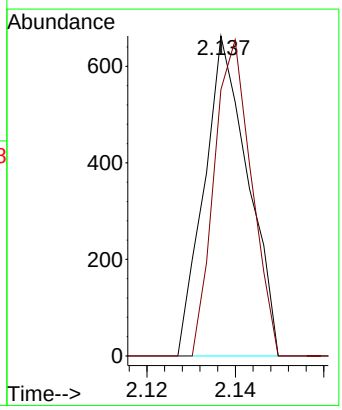


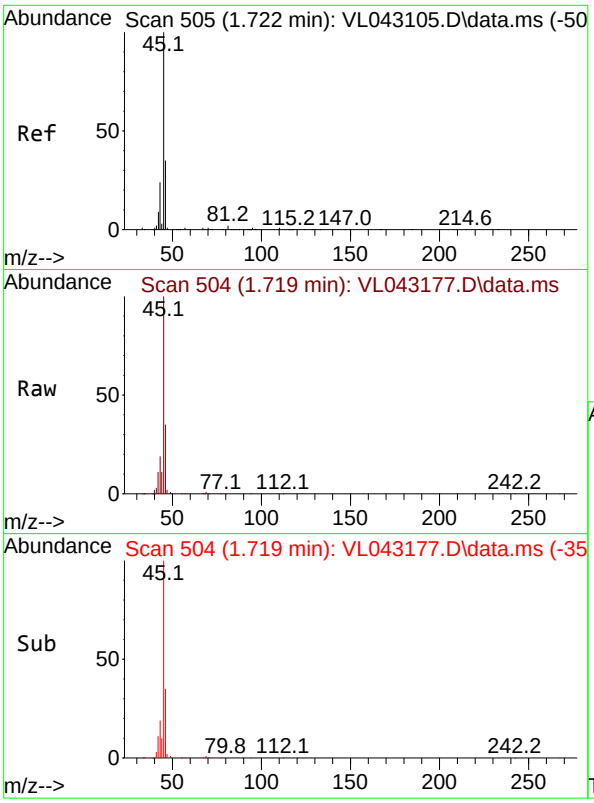


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.031 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:101 Resp: 455

Ion	Ratio	Lower	Upper
101	100		
151	95.6	54.7	82.1#



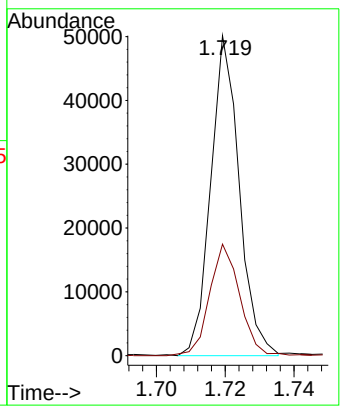


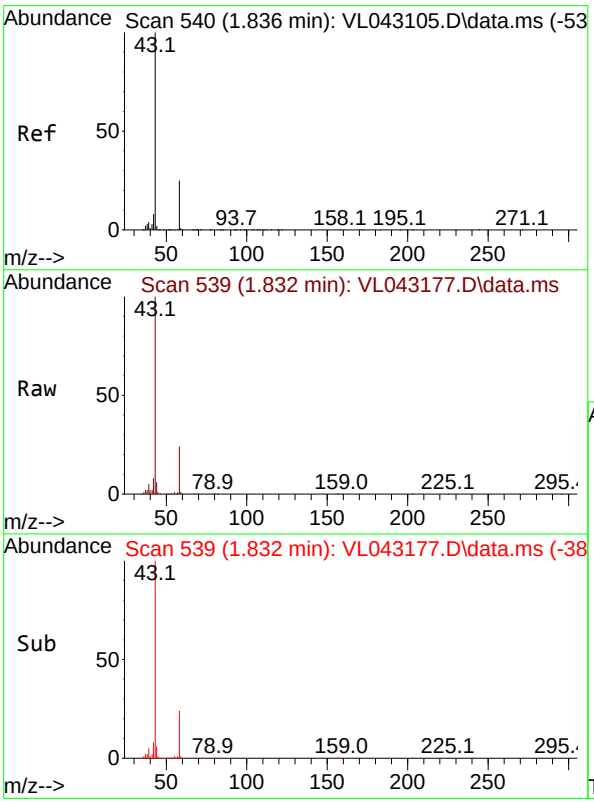
#13
Ethanol
Concen: 8.755 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 45 Resp: 28888

Ion	Ratio	Lower	Upper
45	100		
46	37.4	14.7	58.9

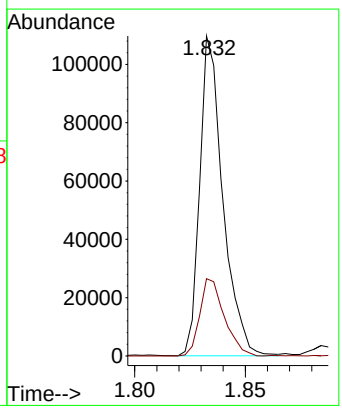


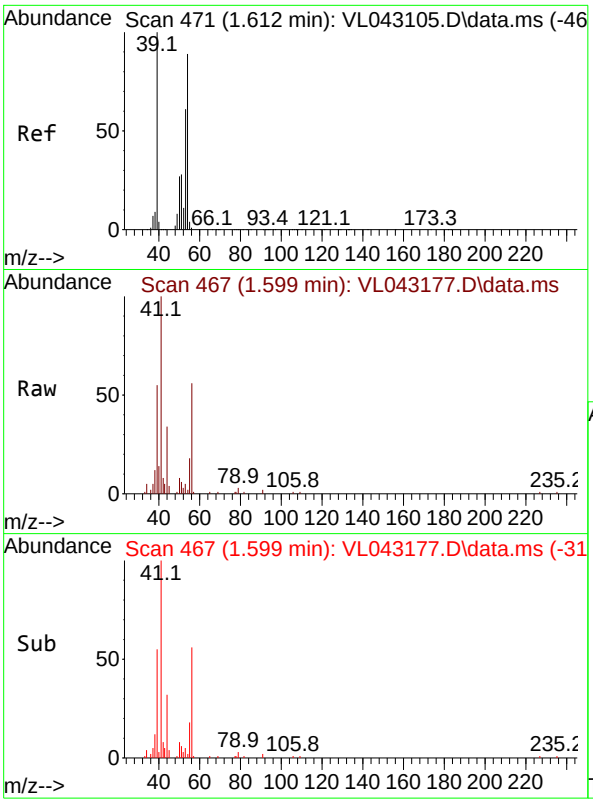


#15
Acetone
Concen: 4.532 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 43 Resp: 79867

Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.8	31.2



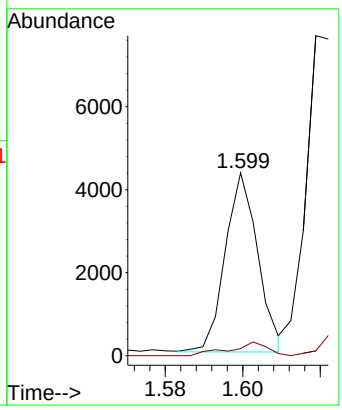


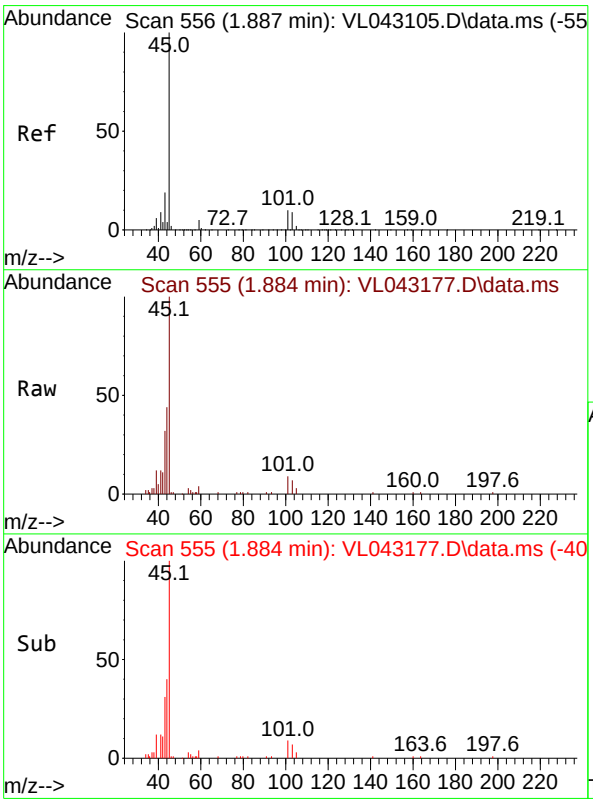
#16
1,3-Butadiene
Concen: 0.300 ppbv
RT: 1.599 min Scan# 4
Delta R.T. -0.013 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 39 Resp: 2521

Ion	Ratio	Lower	Upper
39	100		
54	9.2	59.0	88.4#

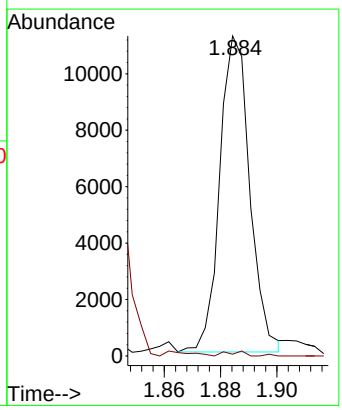


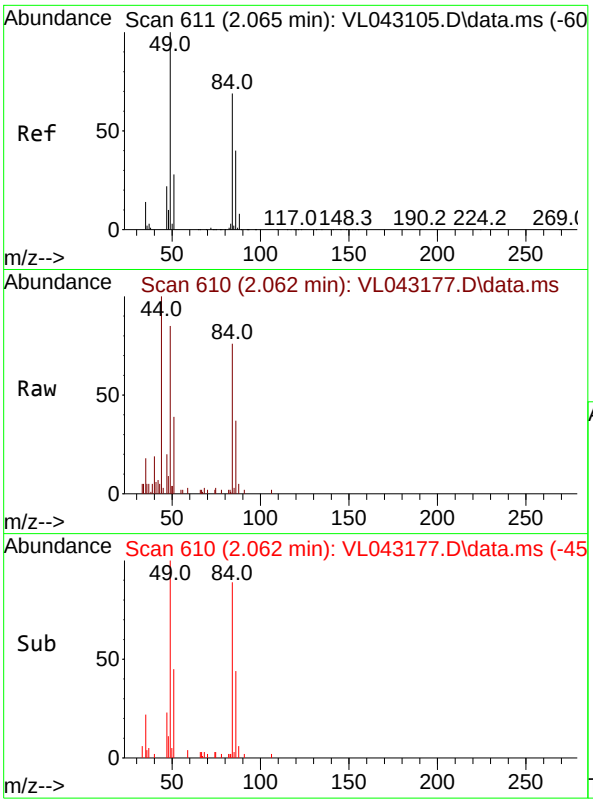


#19
Isopropyl Alcohol
Concen: 0.756 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 45 Resp: 8294

Ion	Ratio	Lower	Upper
45	100		
58	248.3	31.3	46.9#



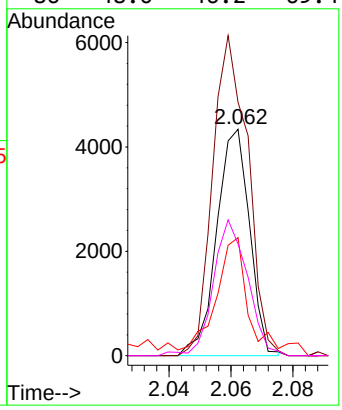


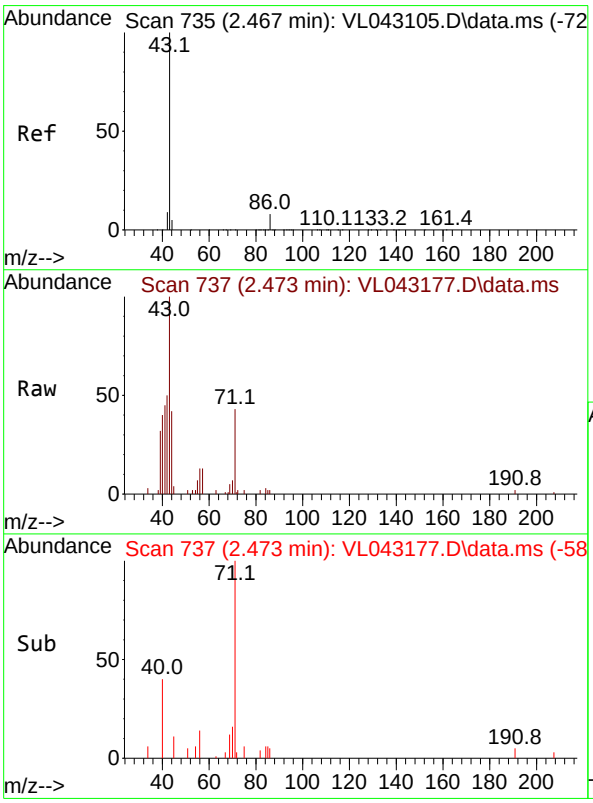
#20
Methylene Chloride
Concen: 0.459 ppbv
RT: 2.062 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 84 Resp: 3197

Ion	Ratio	Lower	Upper
84	100		
49	111.9	116.6	175.0#
51	49.6	34.8	52.2
86	48.0	46.2	69.4

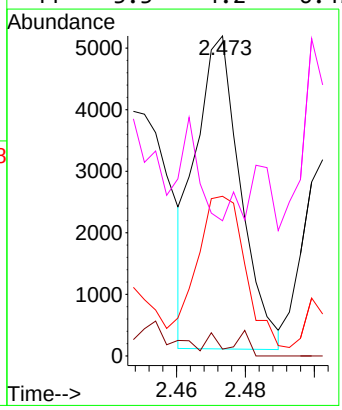


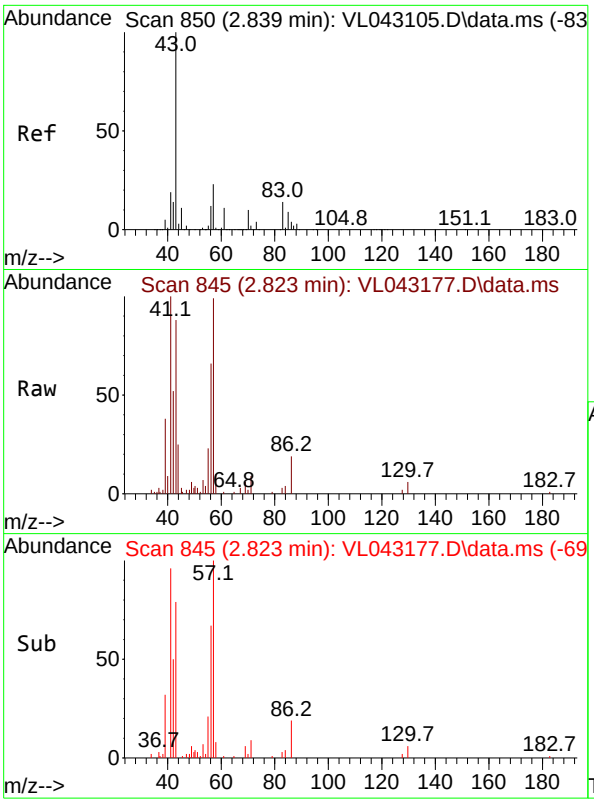


#23
Vinyl Acetate
Concen: 0.179 ppbv
RT: 2.473 min Scan# 737
Delta R.T. 0.007 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 43 Resp: 4609

Ion	Ratio	Lower	Upper
43	100		
86	2.3	6.2	9.2#
42	50.7	7.6	11.4#
44	3.3	4.2	6.4#



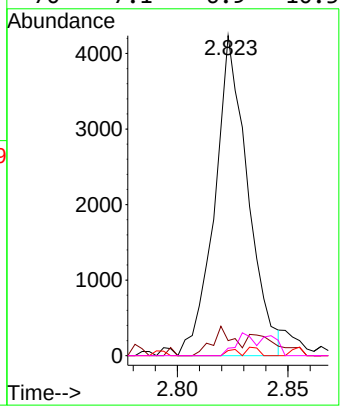


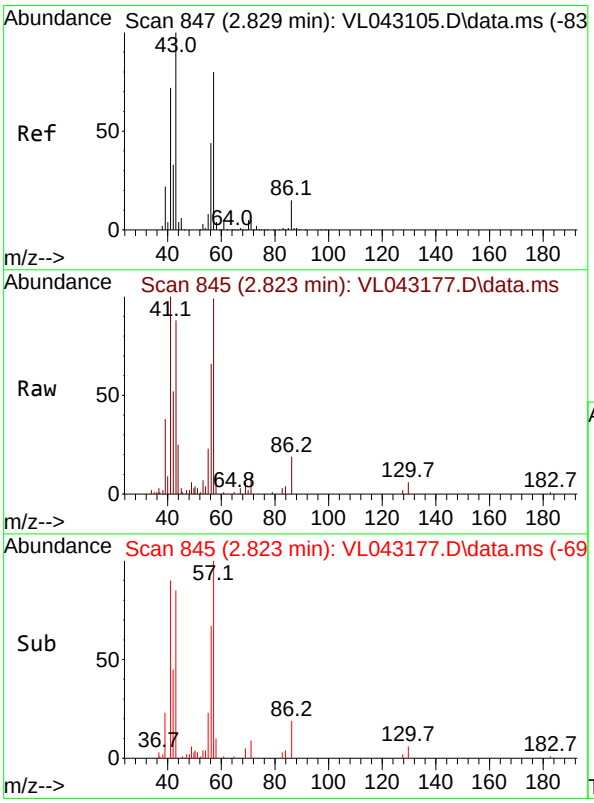
#25
Ethyl Acetate
Concen: 0.101 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.016 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 43 Resp: 4404

Ion	Ratio	Lower	Upper
43	100		
45	12.0	7.8	11.8#
61	0.5	7.0	10.6#
70	7.1	6.9	10.3

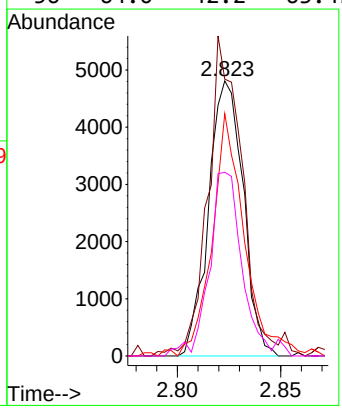


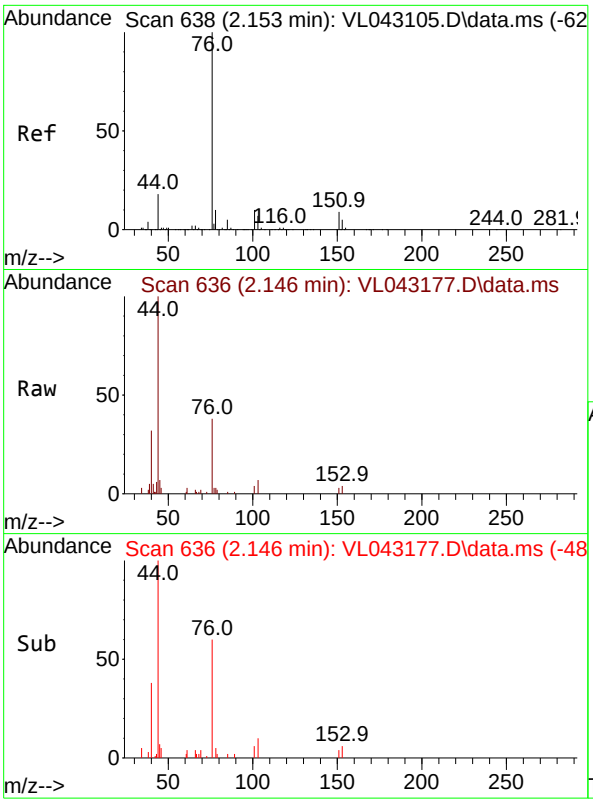


#26
Hexane
Concen: 0.278 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 57 Resp: 5600

Ion	Ratio	Lower	Upper
57	100		
41	115.3	71.4	107.0#
43	84.3	178.5	267.7#
56	64.0	42.2	63.4#



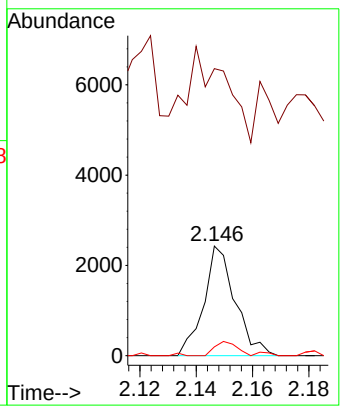


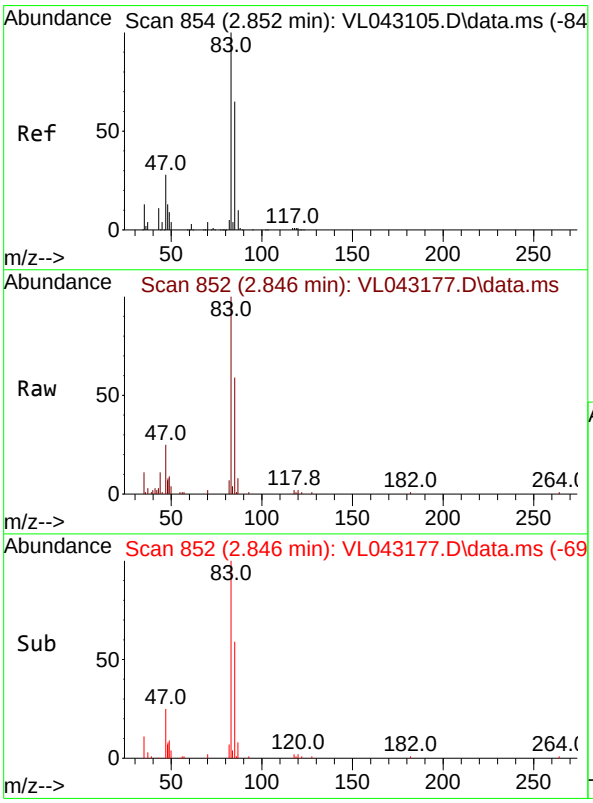
#27
Carbon Disulfide
Concen: 0.102 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 76 Resp: 1875

Ion	Ratio	Lower	Upper
76	100		
44	1391.8	16.7	25.1#
78	11.1	9.3	13.9

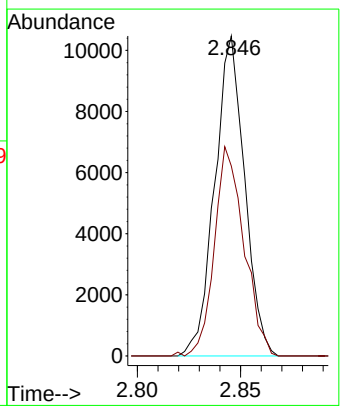


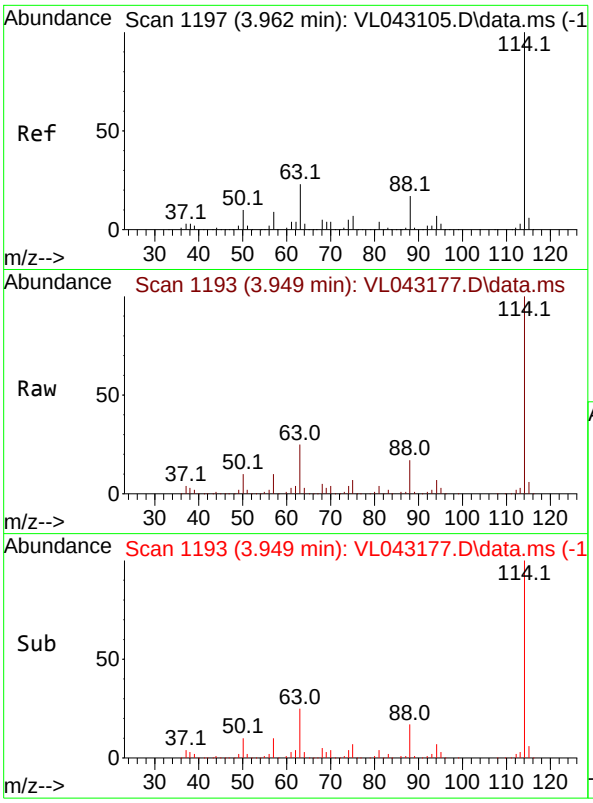


#29
Chloroform
Concen: 0.361 ppbv
RT: 2.846 min Scan# 852
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 83 Resp: 10548

Ion	Ratio	Lower	Upper
83	100		
85	59.4	51.8	77.6



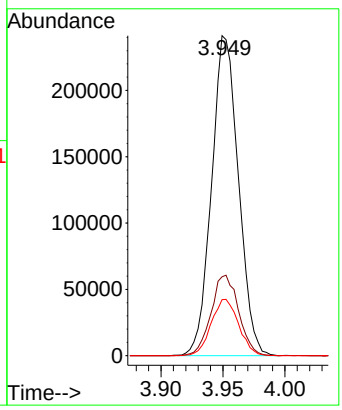


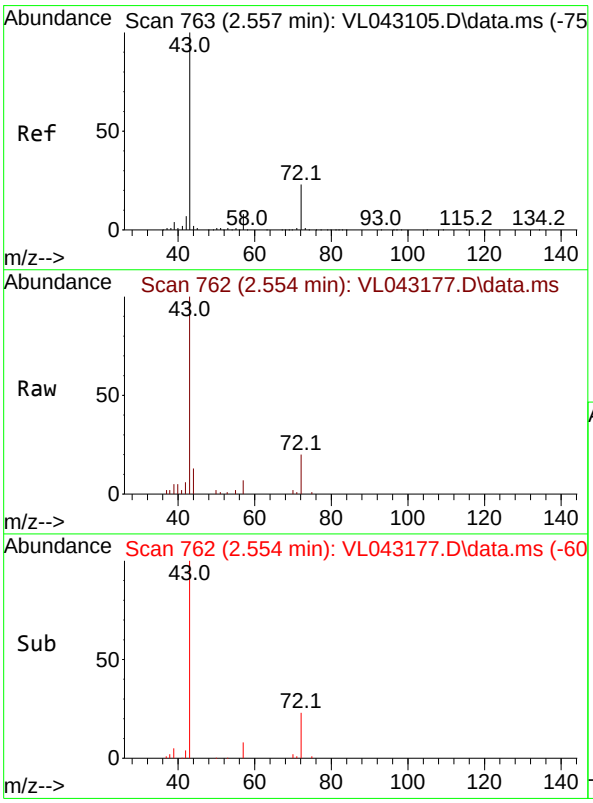
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:114 Resp: 364794

Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.3	28.9
88	18.0	13.9	20.9

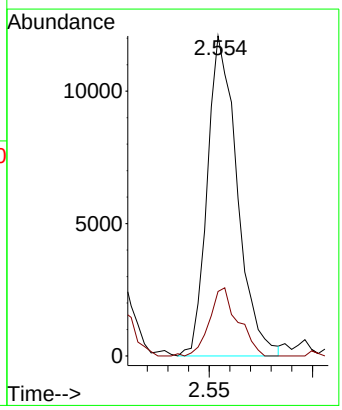


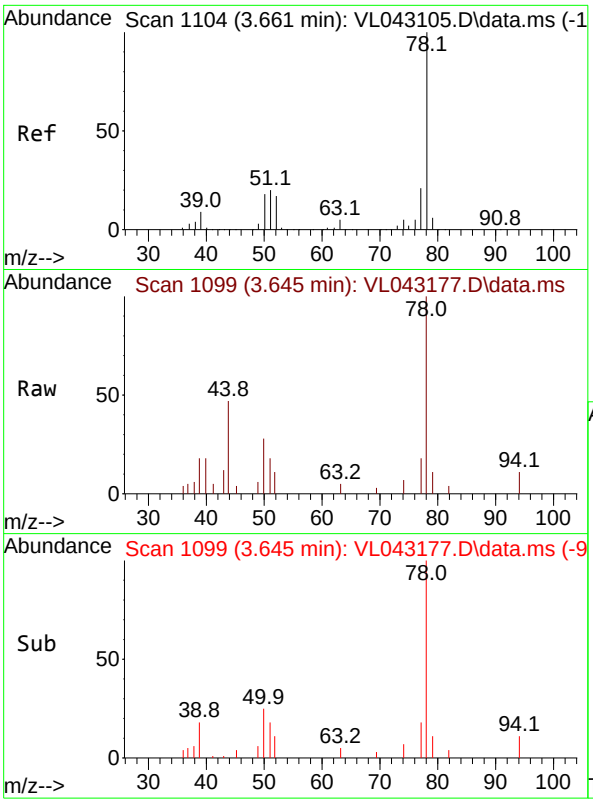


#34
2-Butanone
Concen: 0.496 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 43 Resp: 12160

Ion	Ratio	Lower	Upper
43	100		
72	20.2	18.4	27.6



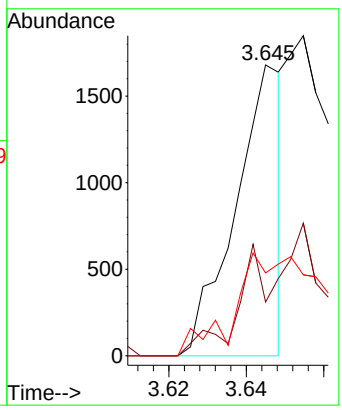


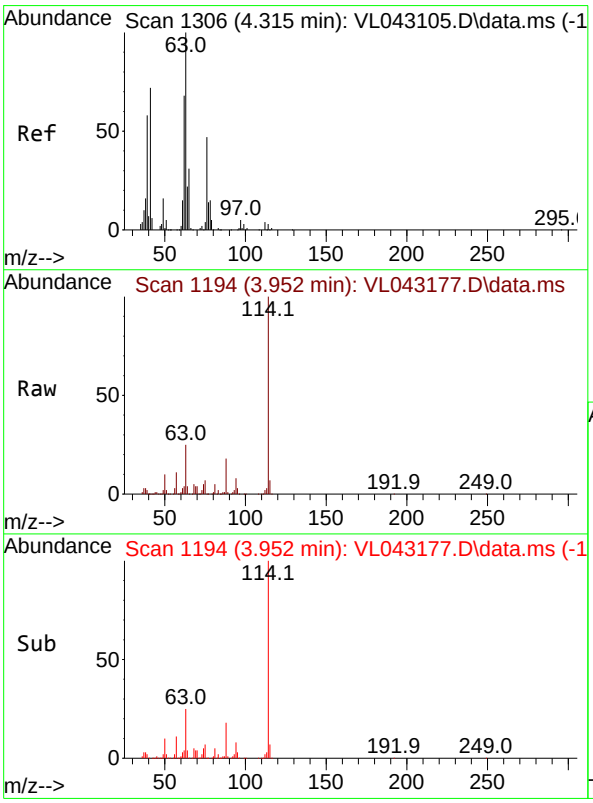
#36
Benzene
Concen: 0.040 ppbv
RT: 3.645 min Scan# 1
Delta R.T. -0.016 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 78 Resp: 1388

Ion	Ratio	Lower	Upper
78	100		
77	18.5	17.0	25.6
50	28.5	14.6	22.0#

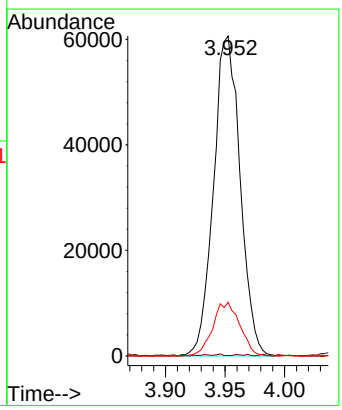


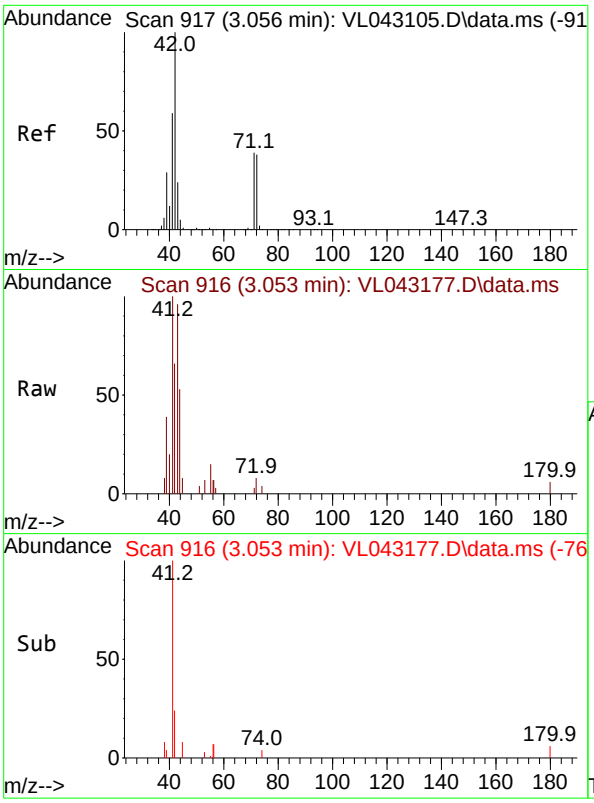


#39
1,2-Dichloropropane
Concen: 7.490 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.362 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 63 Resp: 94079

Ion	Ratio	Lower	Upper
63	100		
41	0.1	58.0	87.0#
62	16.8	54.7	82.1#



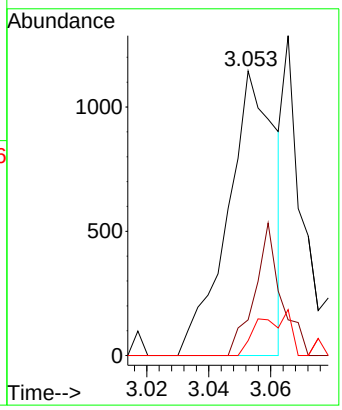


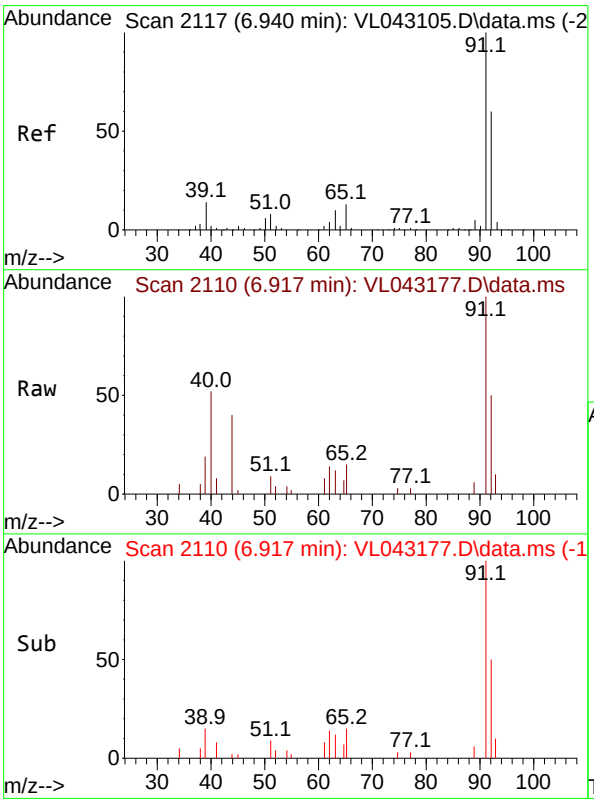
#41
Tetrahydrofuran
Concen: 0.088 ppbv
RT: 3.053 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 42 Resp: 1213

Ion	Ratio	Lower	Upper
42	100		
72	26.0	31.3	46.9#
71	0.0	30.4	45.6#

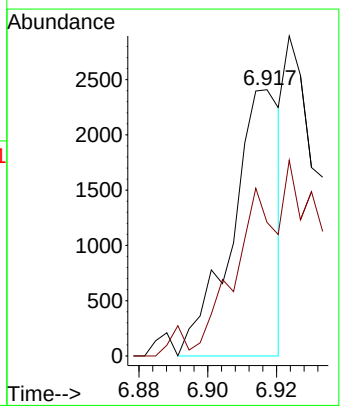


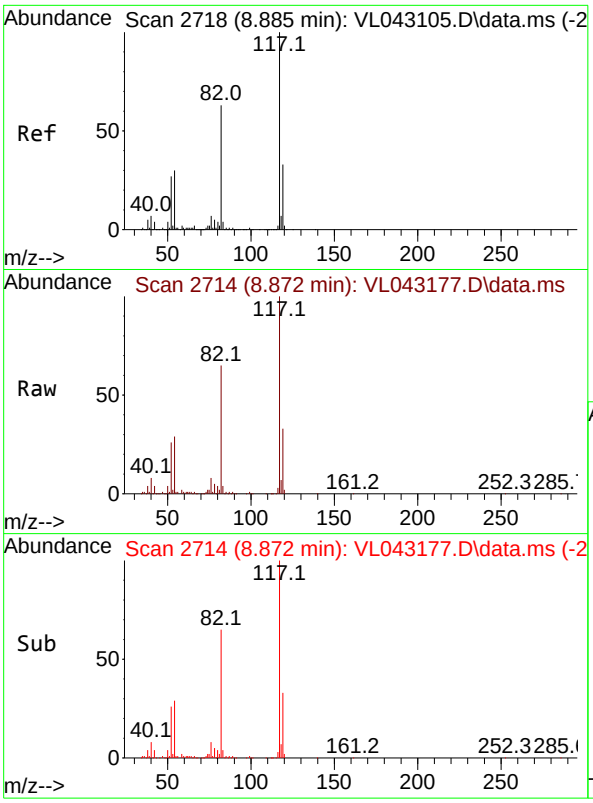


#53
Toluene
Concen: 0.057 ppbv
RT: 6.917 min Scan# 2110
Delta R.T. -0.023 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 91 Resp: 2339

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.8	73.2#



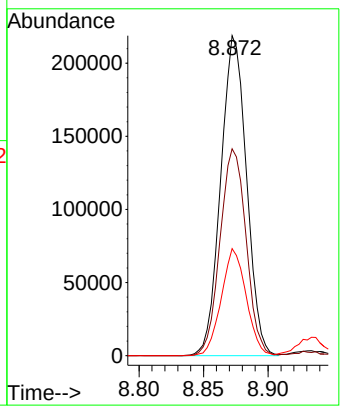


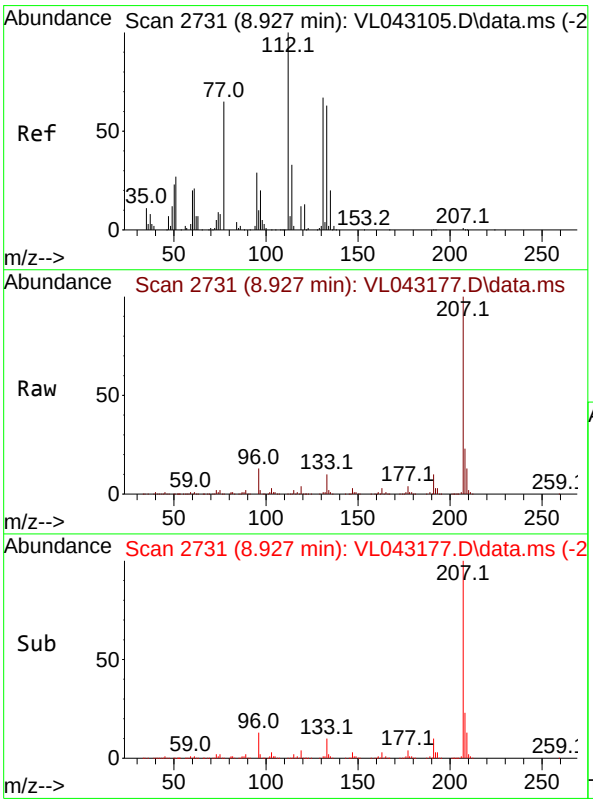
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:117 Resp: 304142

Ion	Ratio	Lower	Upper
117	100		
82	65.3	53.8	80.8
119	32.3	25.4	38.0

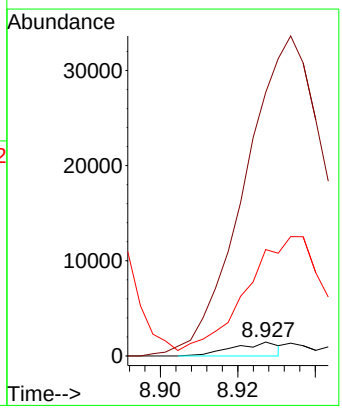


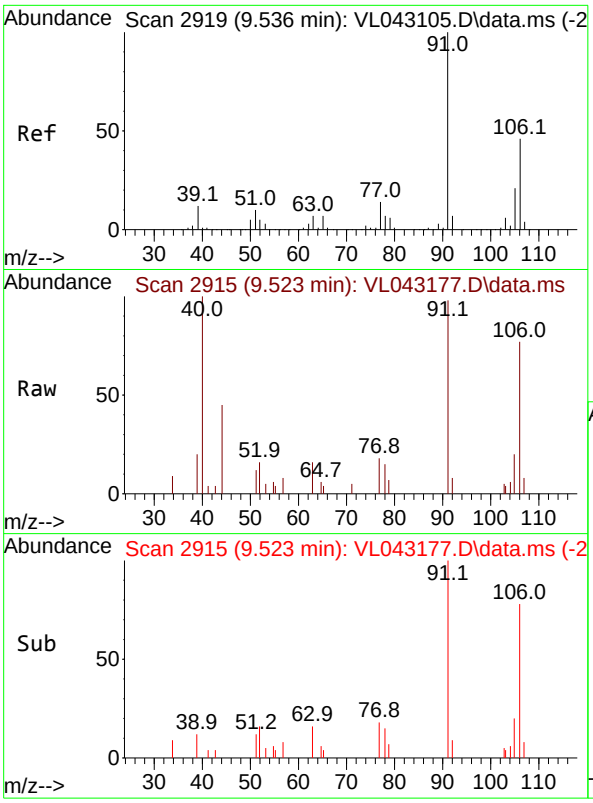


#56
1,1,1,2-Tetrachloroethane
Concen: 0.062 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:131 Resp: 1187

Ion	Ratio	Lower	Upper
131	100		
133	0.0	75.7	113.5#
119	8271.9	50.6	76.0#



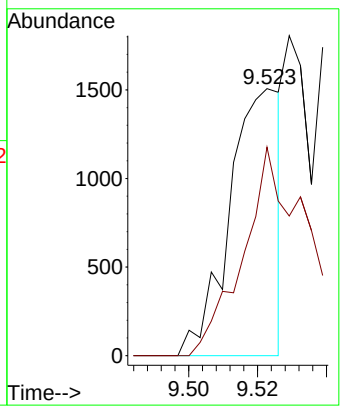


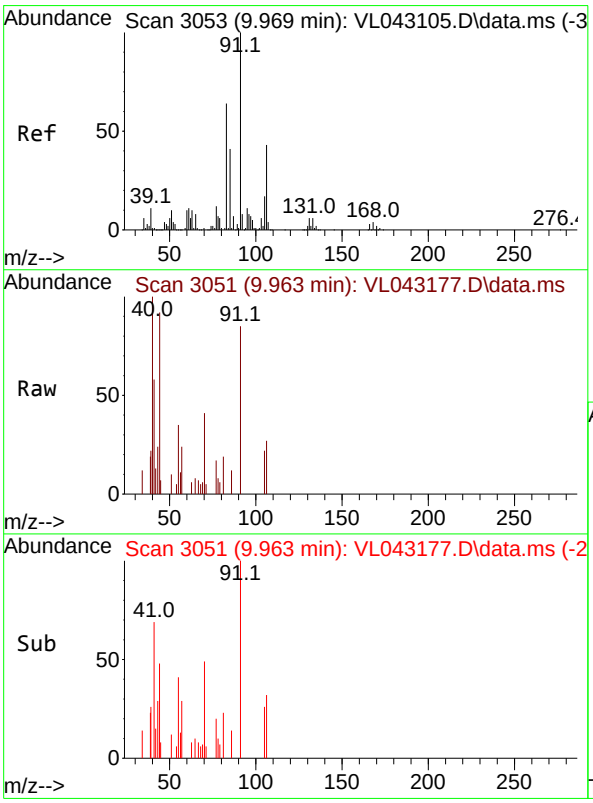
#59
m/p-Xylene
Concen: 0.037 ppbv
RT: 9.523 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion: 91 Resp: 1545

Ion	Ratio	Lower	Upper
91	100		
106	121.6	38.0	57.0#

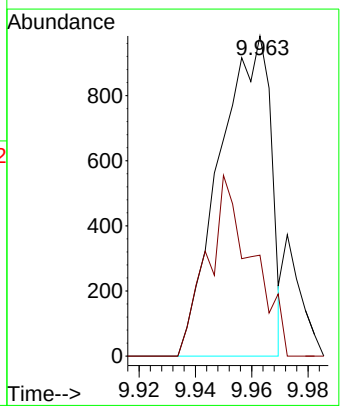


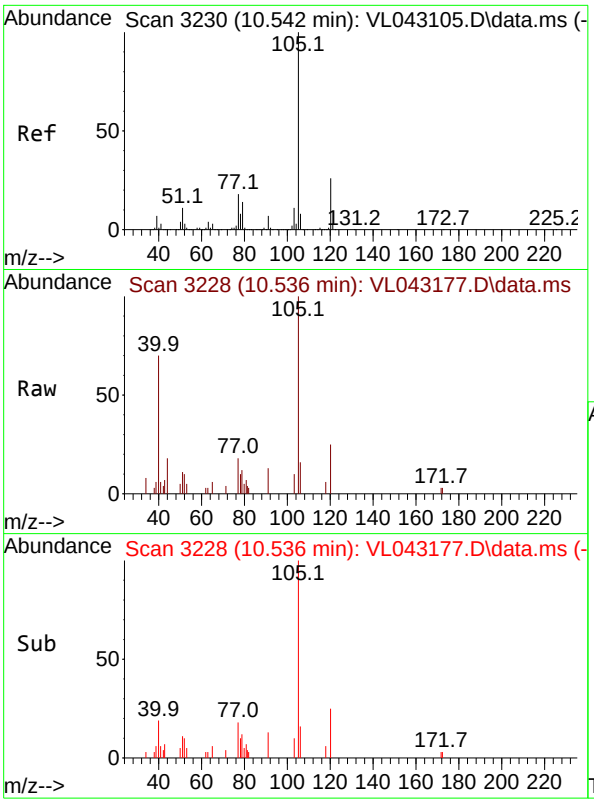


#60
o-Xylene
Concen: 0.030 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 91 Resp: 1244

Ion	Ratio	Lower	Upper
91	100		
106	49.0	21.9	65.8



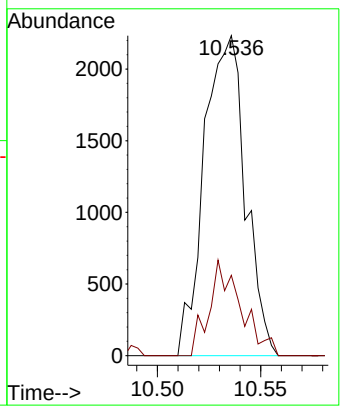


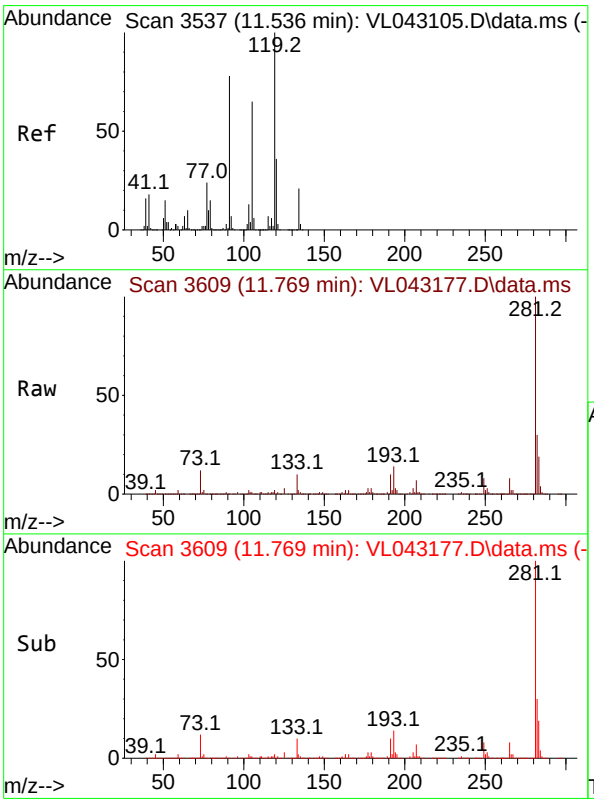
#62
Isopropylbenzene
Concen: 0.042 ppbv
RT: 10.536 min Scan# 3
Delta R.T. -0.006 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:105 Resp: 3096

Ion	Ratio	Lower	Upper
105	100		
120	23.2	20.2	30.4

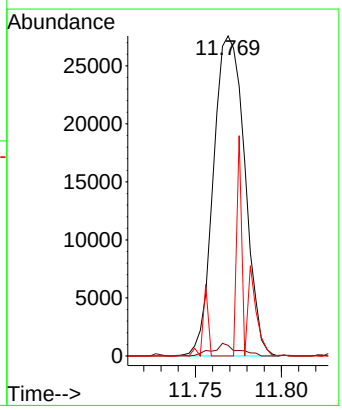


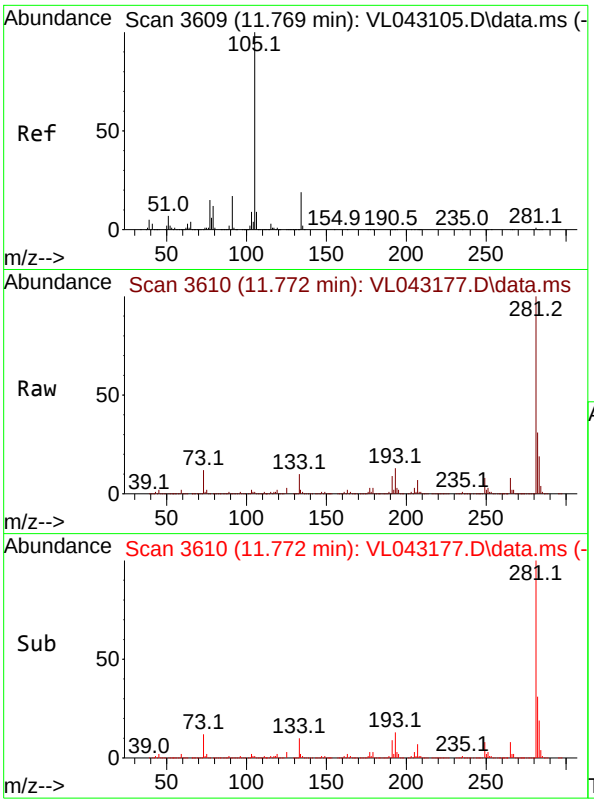


#65
tert-Butylbenzene
Concen: 0.531 ppbv
RT: 11.769 min Scan# 3609
Delta R.T. 0.233 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:119 Resp: 34809

Ion	Ratio	Lower	Upper
119	100		
91	3.3	63.4	95.0#
134	18.4	17.3	25.9



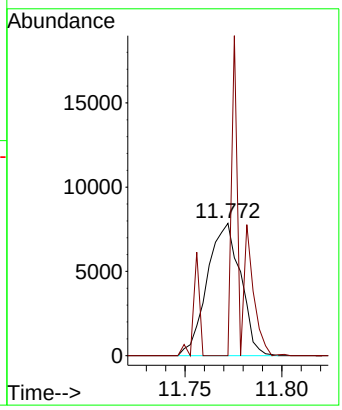


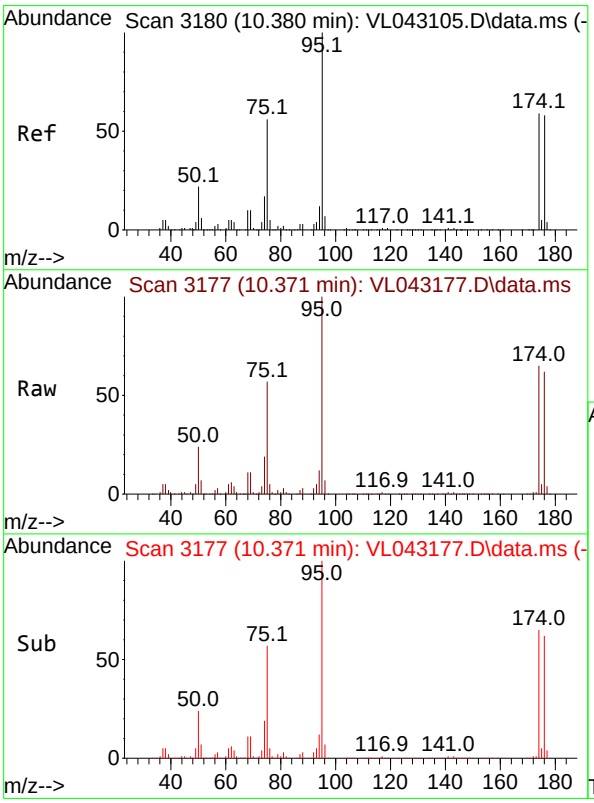
#67
sec-Butylbenzene
Concen: 0.101 ppbv
RT: 11.772 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:105 Resp: 9420

Ion	Ratio	Lower	Upper
105	100		
134	81.9	15.5	23.3#

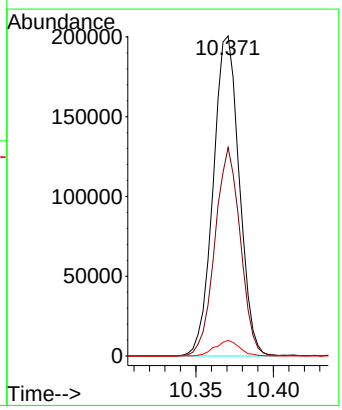


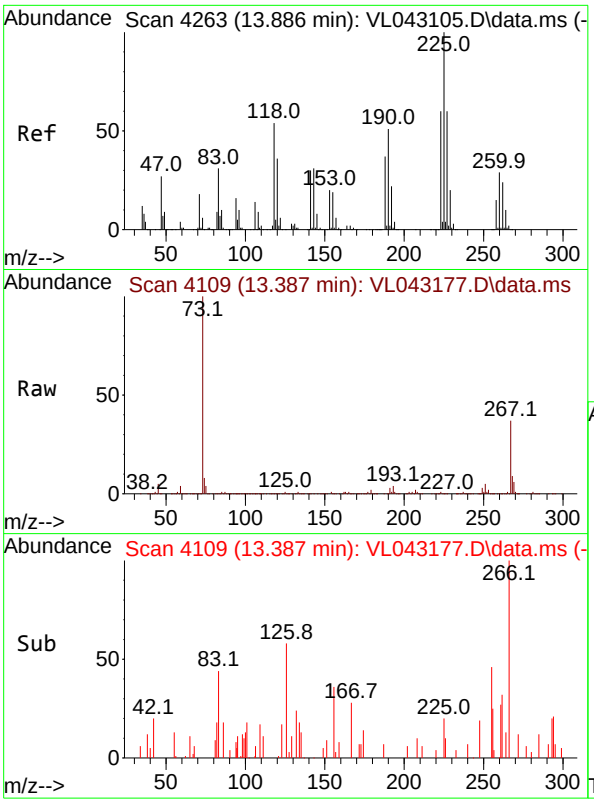


#68
1-Bromo-4-Fluorobenzene
Concen: 9.940 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.010 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion: 95 Resp: 234974

Ion	Ratio	Lower	Upper
95	100		
174	63.6	48.3	72.5
175	4.6	3.8	5.8



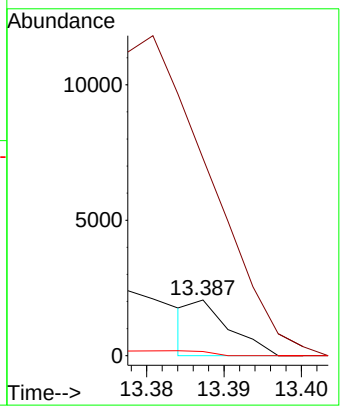


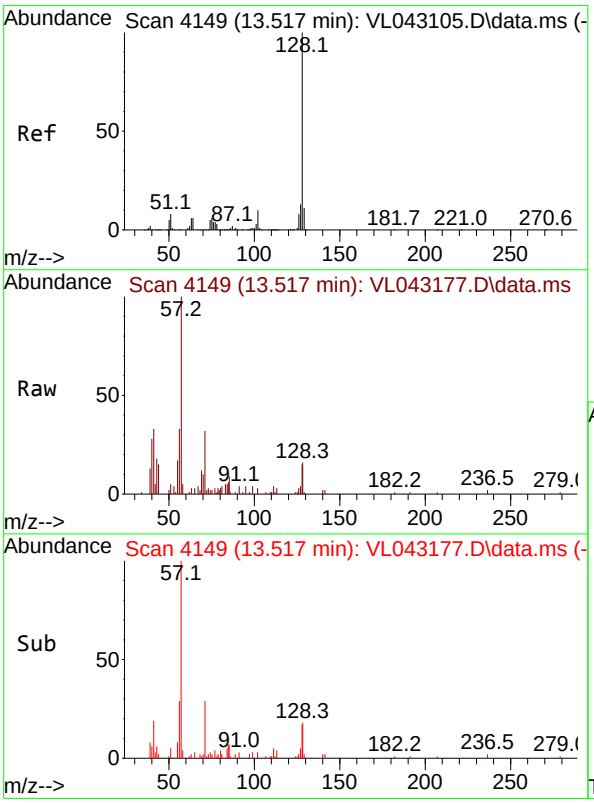
#78
Hexachloro-1,3-Butadiene
Concen: 0.035 ppbv
RT: 13.387 min Scan# 4
Delta R.T. -0.498 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Instrument :
MSVOA_L
ClientSampleId :
141-SG-1

Tgt Ion:225 Resp: 704

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.2	75.4#
227	0.0	49.6	74.4#

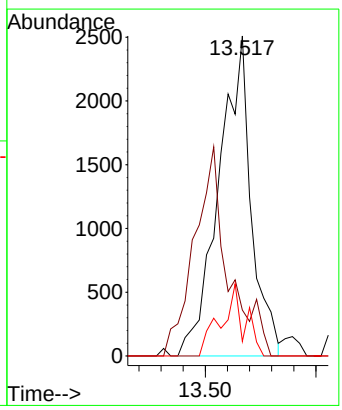




#79
Naphthalene
Concen: 0.052 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.000 min
Lab File: VL043177.D
Acq: 06 Nov 2025 20:35

Tgt Ion:128 Resp: 2556

Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	4.6	9.1	13.7#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043178.D
Acq On : 06 Nov 2025 21:08
Operator : SY/MD
Sample : Q3557-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Quant Time: Nov 07 00:29:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	131405	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	358615	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	303524	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	236795	10.037	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	9907	0.530	ppbv		99
3) Chlorodifluoromethane	1.466	51	7458	0.369	ppbv	#	76
4) Chloromethane	1.534	50	719	0.097	ppbv	#	81
8) Dichlorotetrafluoroethane	1.499	85	9907	0.656	ppbv	#	20
9) Propene	1.486	41	2376	0.265	ppbv	#	15
11) Trichlorofluoromethane	1.877	101	2805	0.154	ppbv		90
12) 1,1,2-Trichlorotrifluo...	2.140	101	497	0.034	ppbv	#	51
13) Ethanol	1.722	45	18184	5.484	ppbv		92
15) Acetone	1.835	43	595518	33.623	ppbv		99
16) 1,3-Butadiene	1.602	39	2090	0.248	ppbv	#	28
17) tert-Butyl alcohol	2.039	59	12433	0.511	ppbv	#	94
19) Isopropyl Alcohol	1.887	45	8050	0.730	ppbv	#	36
20) Methylene Chloride	2.062	84	3877	0.554	ppbv	#	89
21) Allyl Chloride	2.039	41	3797	0.291	ppbv	#	74
23) Vinyl Acetate	2.473	43	1109	0.043	ppbv	#	41
25) Ethyl Acetate	2.829	43	4243	0.097	ppbv	#	81
26) Hexane	2.826	57	5694	0.281	ppbv	#	42
27) Carbon Disulfide	2.153	76	941	0.051	ppbv	#	1
29) Chloroform	2.848	83	2672	0.091	ppbv	#	72
34) 2-Butanone	2.557	43	32842	1.362	ppbv		98
36) Benzene	3.651	78	2082	0.062	ppbv	#	82
39) 1,2-Dichloropropane	3.955	63	92451	7.487	ppbv	#	25
41) Tetrahydrofuran	3.065	42	1517	0.113	ppbv	#	86
51) 2-Hexanone	7.435	43	993	0.040	ppbv	#	27
52) Tetrachloroethene	8.215	164	781	0.064	ppbv	#	57
53) Toluene	6.930	91	3470	0.087	ppbv		95
58) Ethyl Benzene	9.526	91	1965	0.038	ppbv		93
59) m/p-Xylene	9.526	91	1965	0.047	ppbv	#	55
60) o-Xylene	9.963	91	1551	0.038	ppbv		97
74) 1,2,4-Trimethylbenzene	11.532	105	3023	0.065	ppbv	#	52
79) Naphthalene	13.516	128	1855	0.038	ppbv	#	23

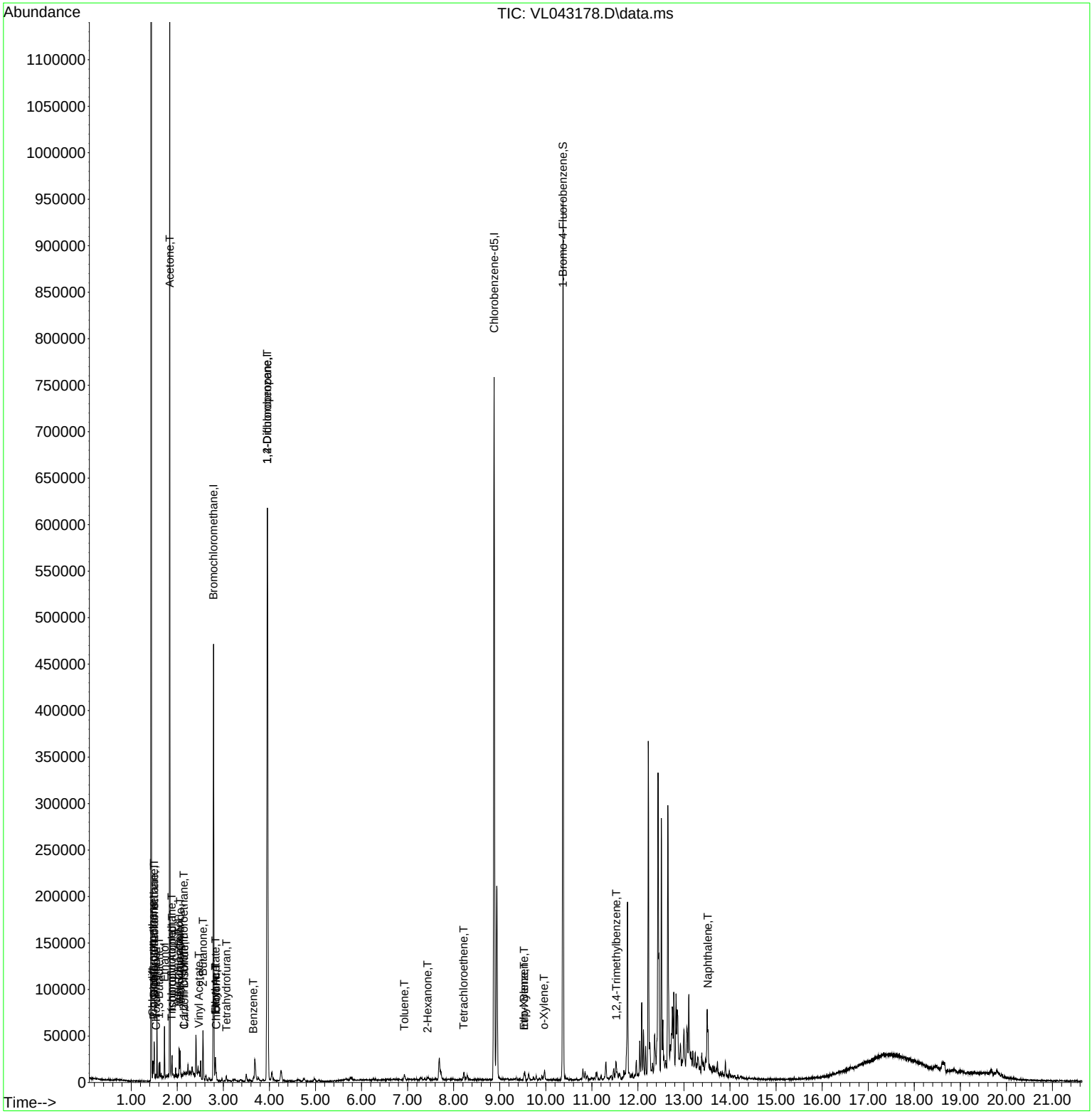
(#) = qualifier out of range (m) = manual integration (+) = signals summed

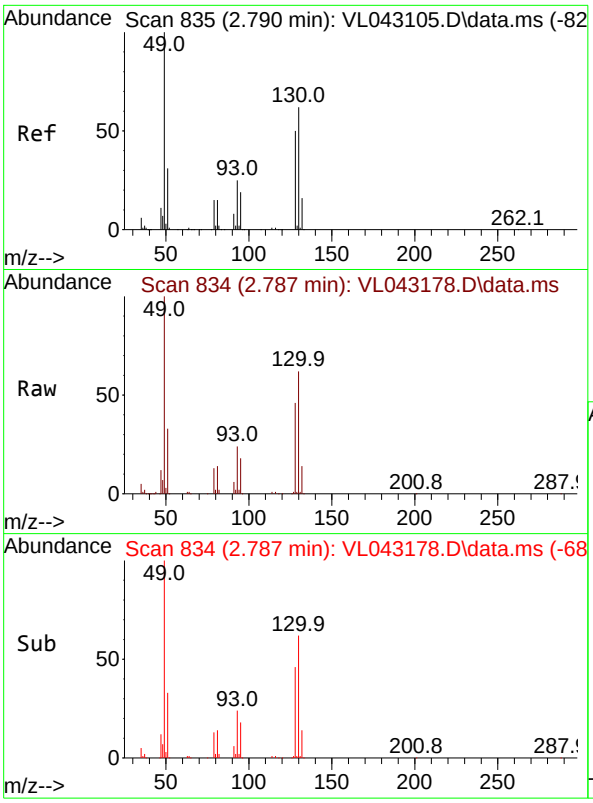
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043178.D
Acq On : 06 Nov 2025 21:08
Operator : SY/MD
Sample : Q3557-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Quant Time: Nov 07 00:29:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration



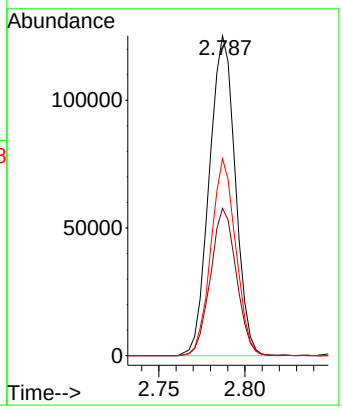


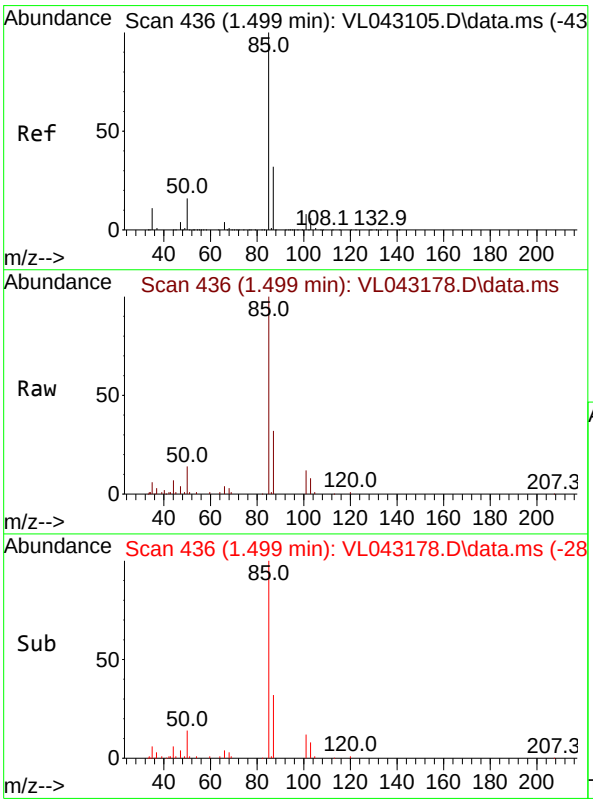
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 49 Resp: 131405

Ion	Ratio	Lower	Upper
49	100		
128	45.8	24.4	73.4
130	58.7	31.0	93.0

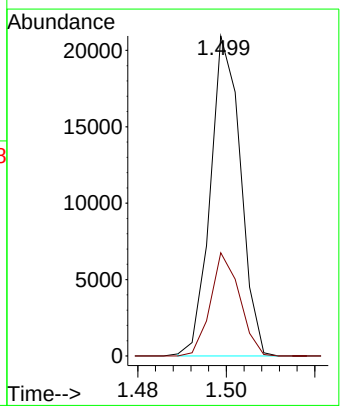


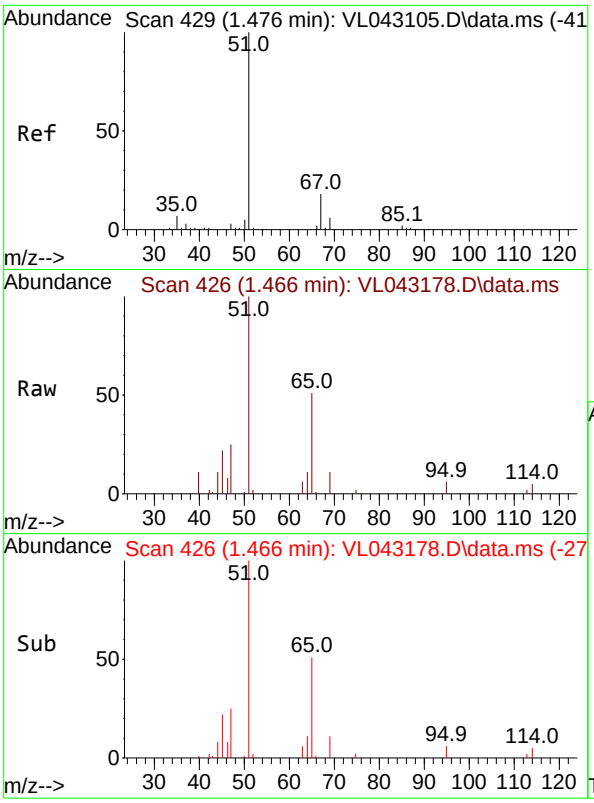


#2
Dichlorodifluoromethane
Concen: 0.530 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 85 Resp: 9907

Ion	Ratio	Lower	Upper
85	100		
87	32.3	25.3	37.9



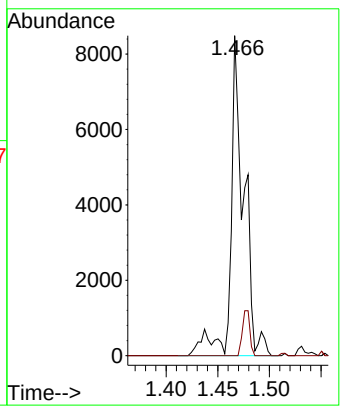


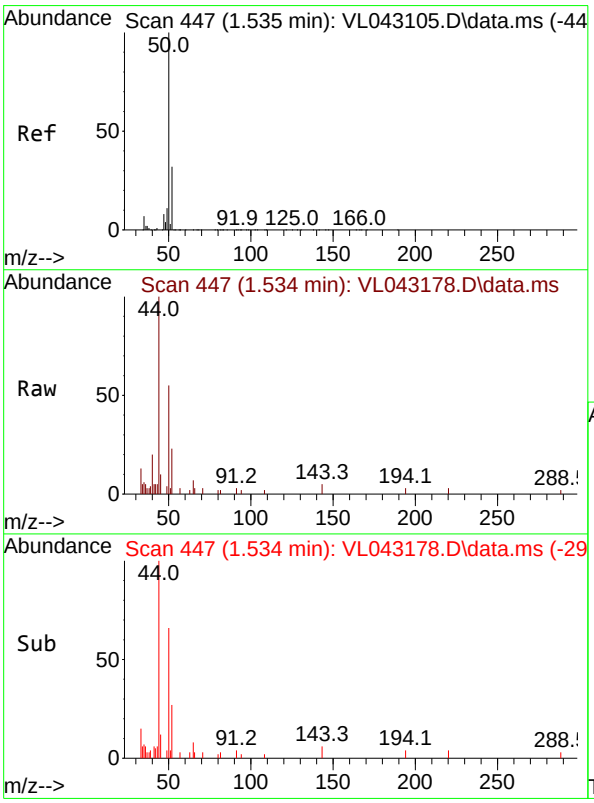
#3
Chlorodifluoromethane
Concen: 0.369 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 51 Resp: 7458

Ion	Ratio	Lower	Upper
51	100		
67	8.0	15.1	22.7#

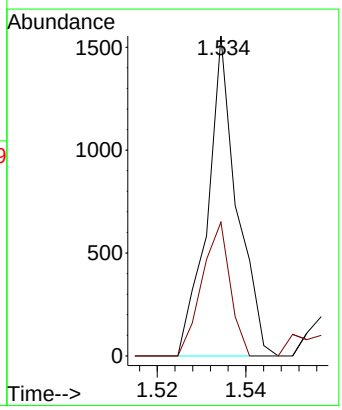


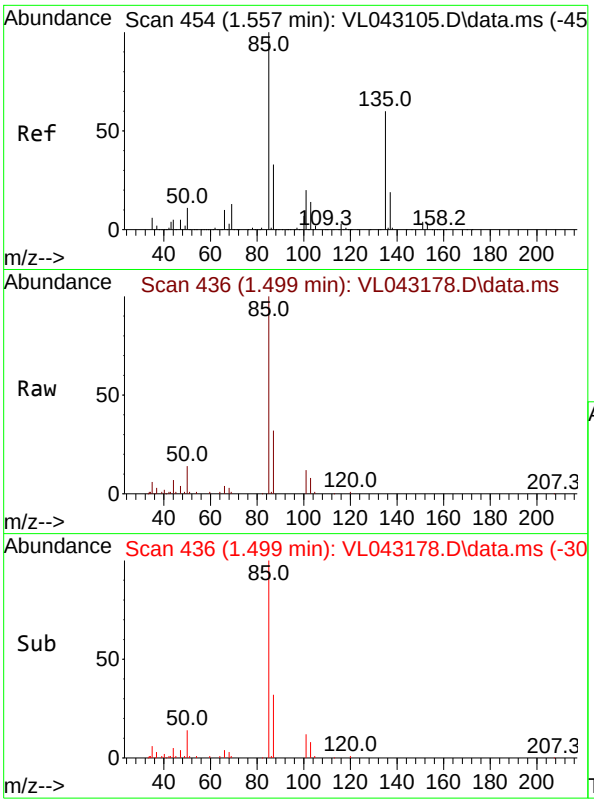


#4
Chloromethane
Concen: 0.097 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 50 Resp: 719

Ion	Ratio	Lower	Upper
50	100		
52	41.8	25.2	37.8#



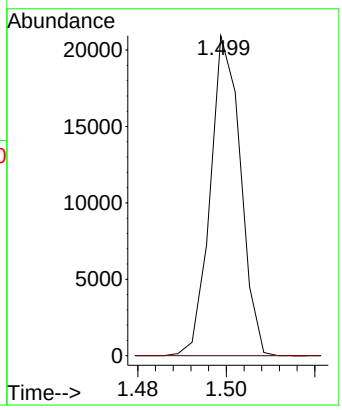


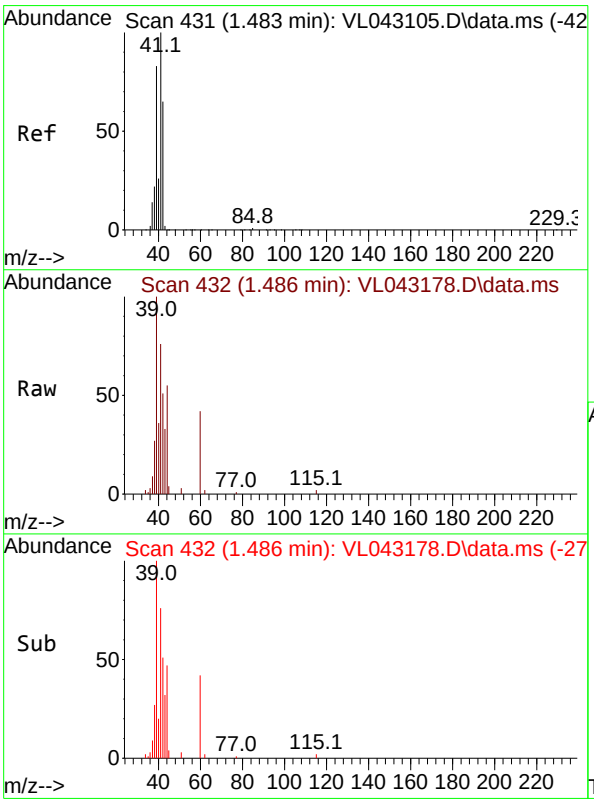
#8
Dichlorotetrafluoroethane
Concen: 0.656 ppbv
RT: 1.499 min Scan# 4
Delta R.T. -0.058 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 85 Resp: 9907

Ion	Ratio	Lower	Upper
85	100		
135	0.0	48.2	72.4#

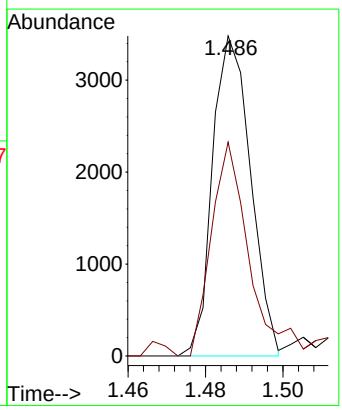


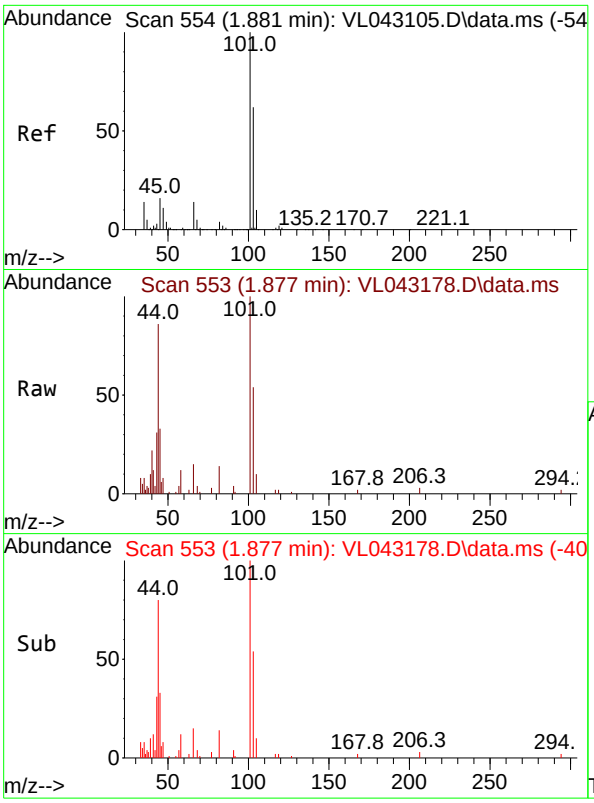


#9
Propene
Concen: 0.265 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 41 Resp: 2376

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.1	82.7#



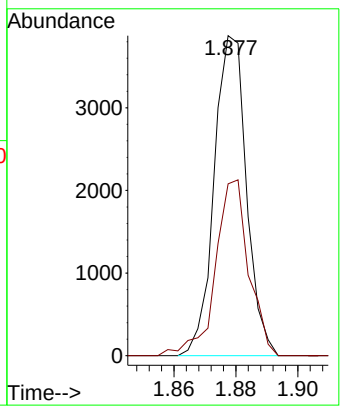


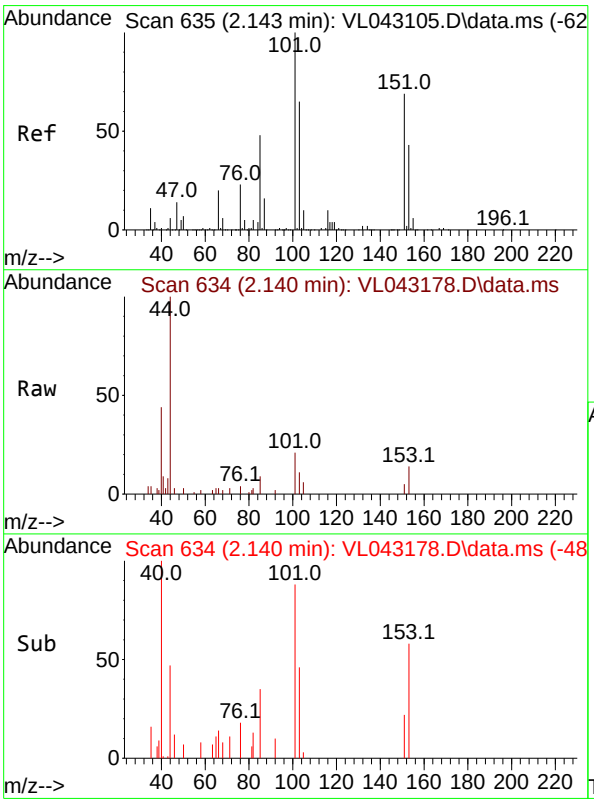
#11
Trichlorofluoromethane
Concen: 0.154 ppbv
RT: 1.877 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion:101 Resp: 2805

Ion	Ratio	Lower	Upper
101	100		
103	53.7	49.3	73.9

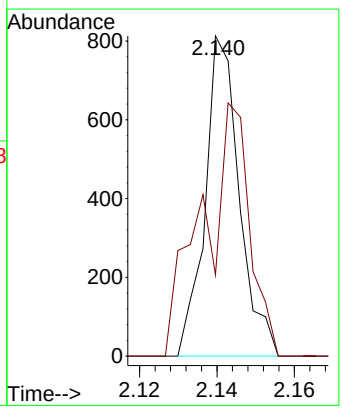


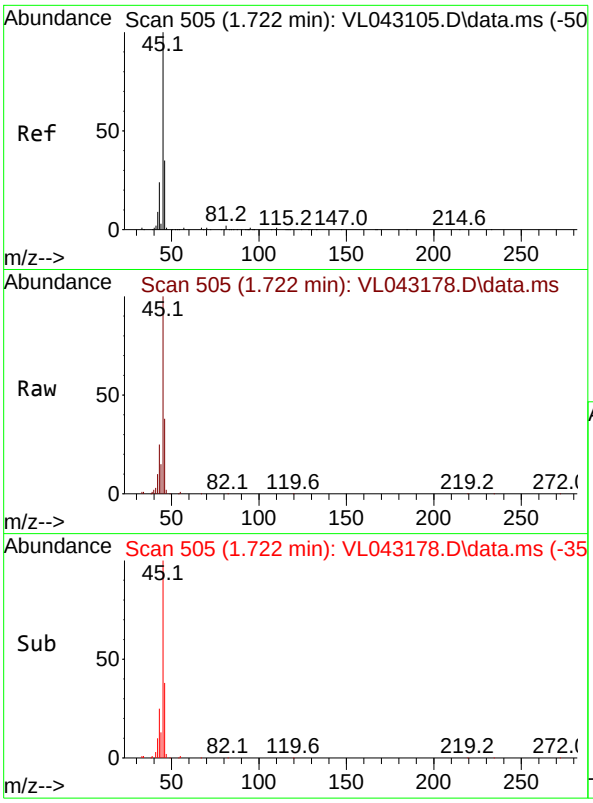


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.034 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion:101 Resp: 497

Ion	Ratio	Lower	Upper
101	100		
151	108.0	54.7	82.1#



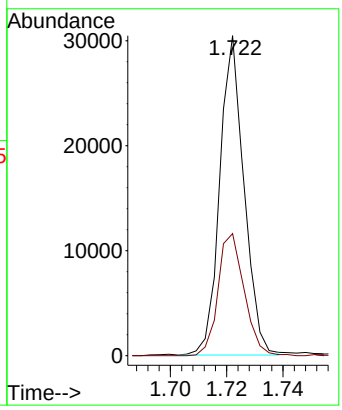


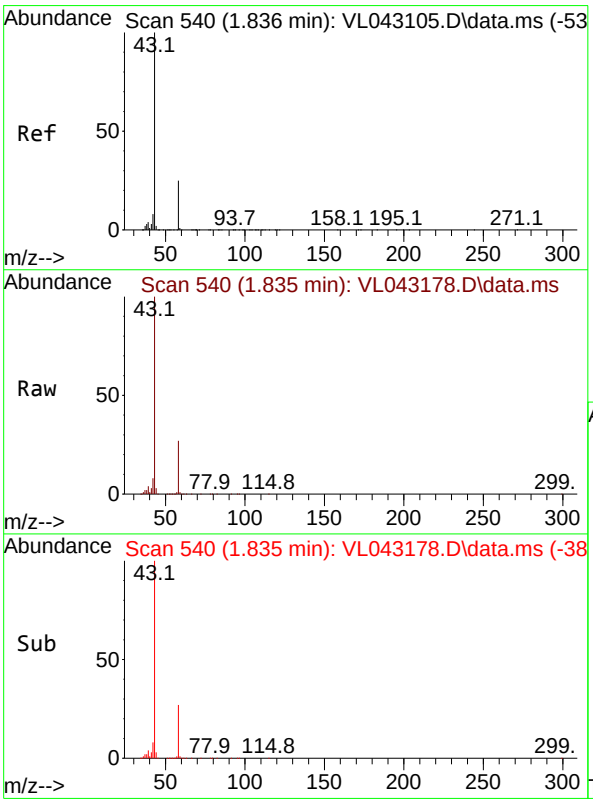
#13
Ethanol
Concen: 5.484 ppbv
RT: 1.722 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 45 Resp: 18184

Ion	Ratio	Lower	Upper
45	100		
46	41.4	14.7	58.9

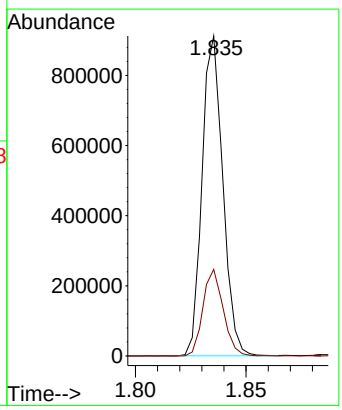


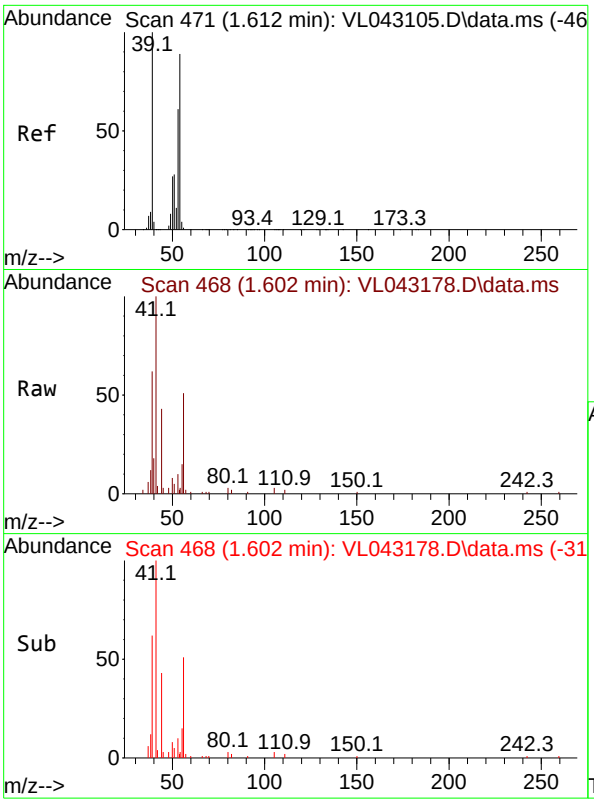


#15
Acetone
Concen: 33.623 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 43 Resp: 595518

Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.8	31.2



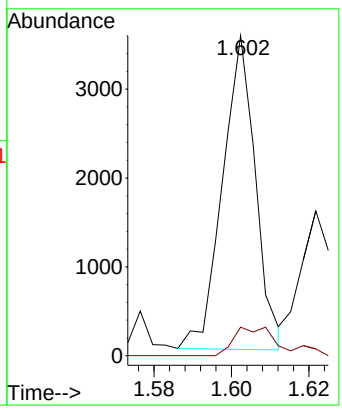


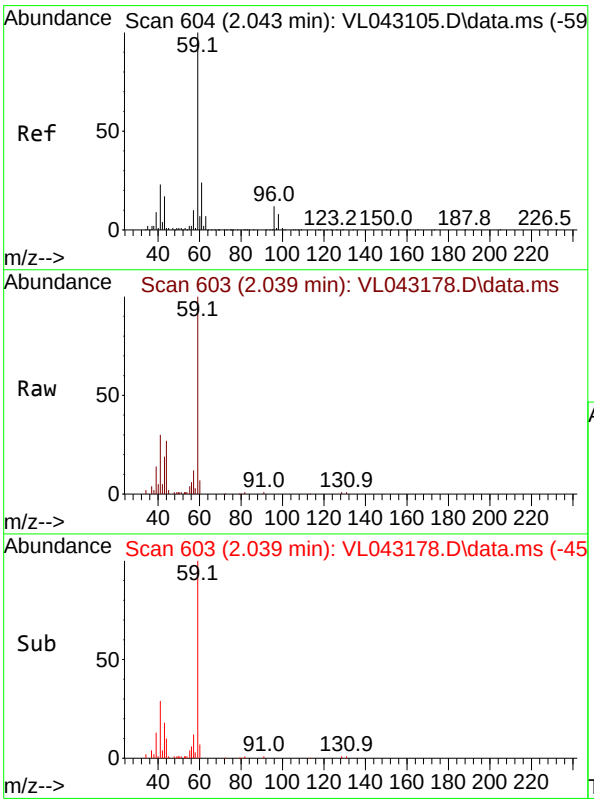
#16
1,3-Butadiene
Concen: 0.248 ppbv
RT: 1.602 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 39 Resp: 2090

Ion	Ratio	Lower	Upper
39	100		
54	12.6	59.0	88.4#

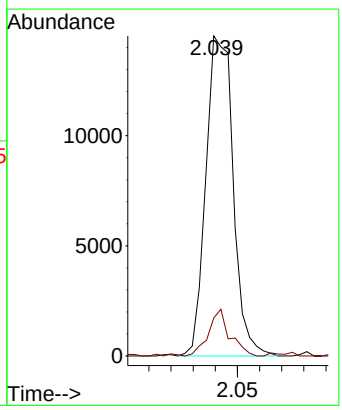


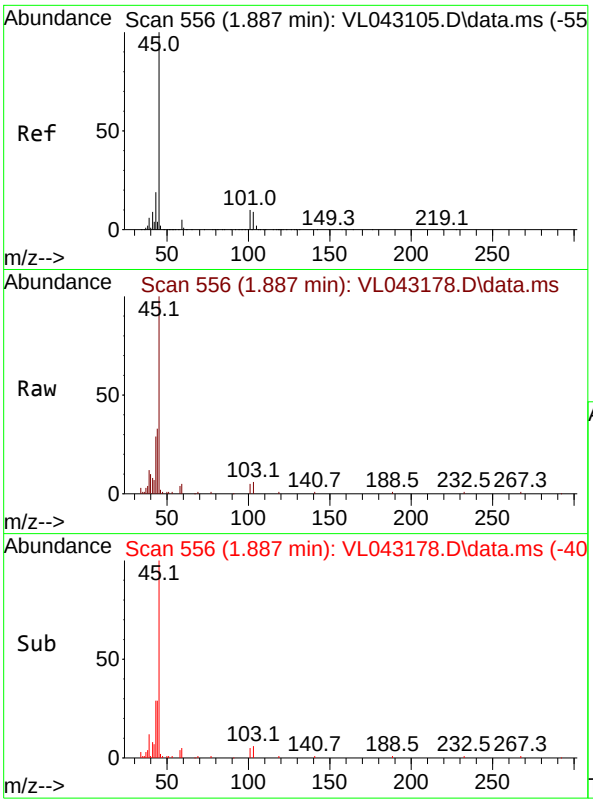


#17
tert-Butyl alcohol
Concen: 0.511 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 59 Resp: 12433

Ion	Ratio	Lower	Upper
59	100		
57	12.6	8.2	12.4#



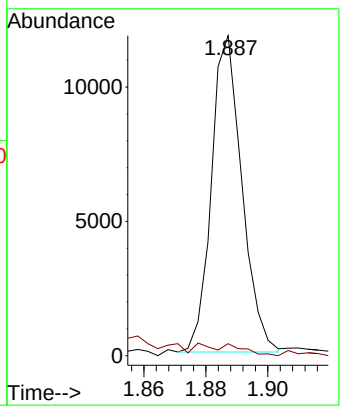


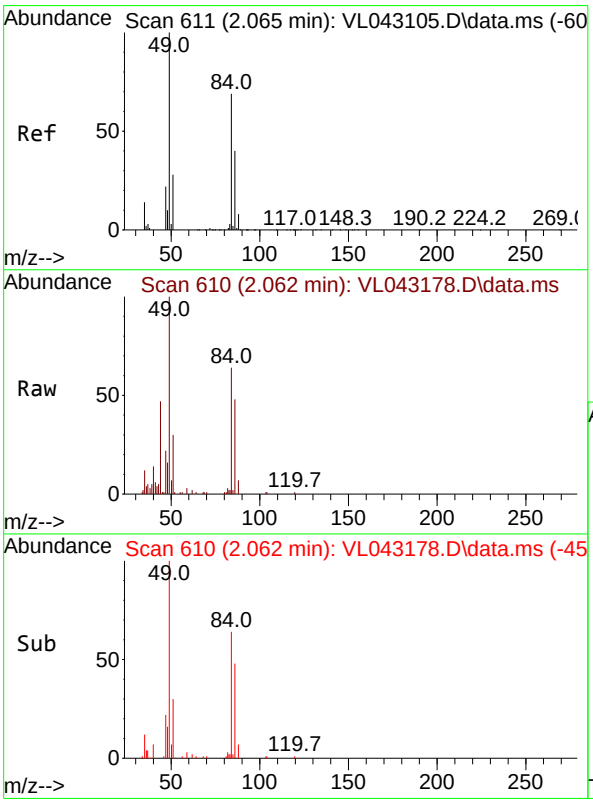
#19
Isopropyl Alcohol
Concen: 0.730 ppbv
RT: 1.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 45 Resp: 8050

Ion	Ratio	Lower	Upper
45	100		
58	0.0	31.3	46.9#

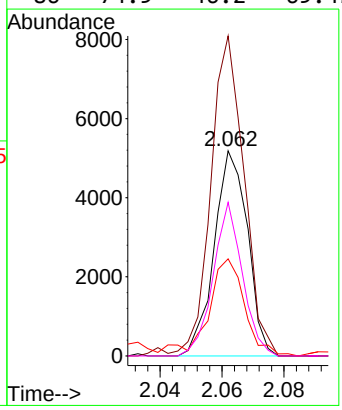


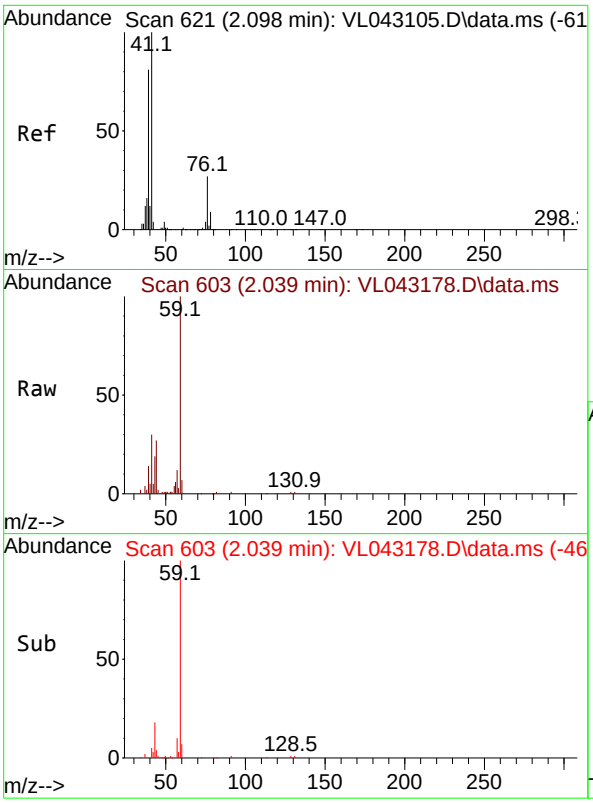


#20
Methylene Chloride
Concen: 0.554 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 84 Resp: 3877

Ion	Ratio	Lower	Upper
84	100		
49	156.0	116.6	175.0
51	46.3	34.8	52.2
86	74.9	46.2	69.4#



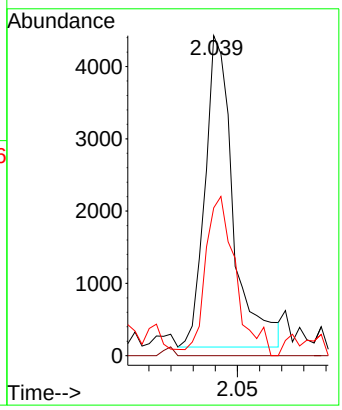


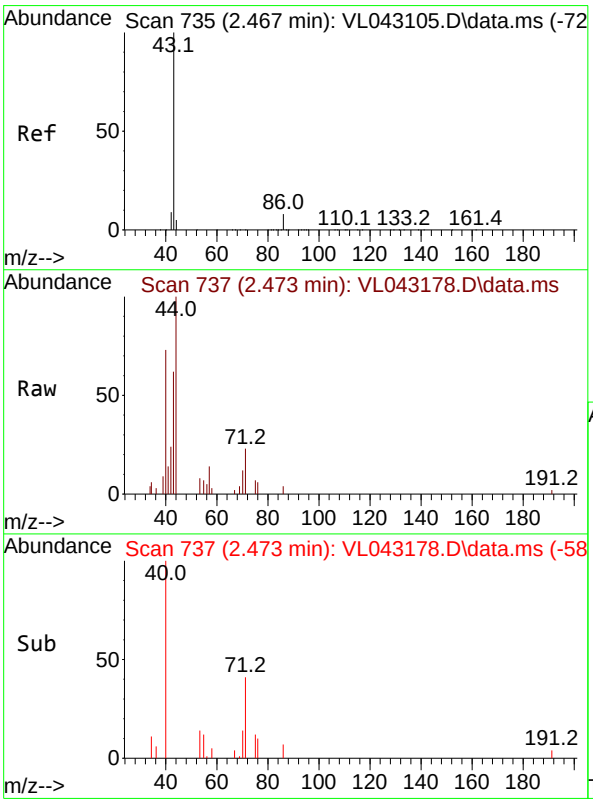
#21
Allyl Chloride
Concen: 0.291 ppbv
RT: 2.039 min Scan# 6
Delta R.T. -0.058 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 41 Resp: 3797

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.5	32.3#
39	62.0	60.8	91.2

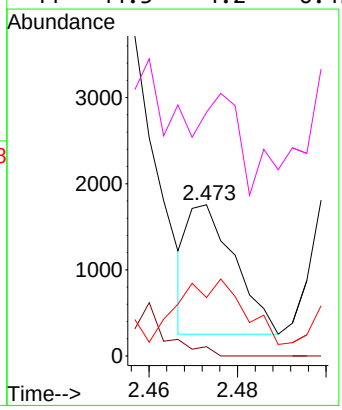


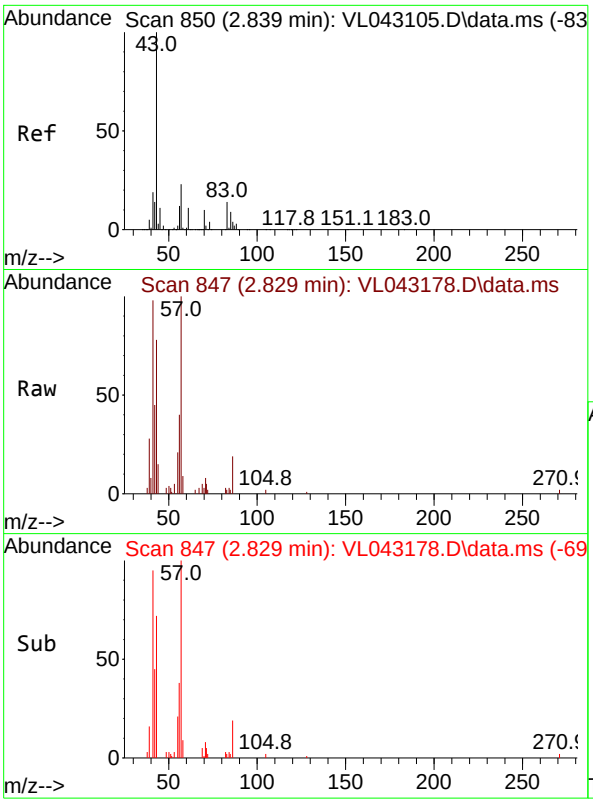


#23
Vinyl Acetate
Concen: 0.043 ppbv
RT: 2.473 min Scan# 737
Delta R.T. 0.006 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 43 Resp: 1109

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.2	9.2
42	36.2	7.6	11.4#
44	44.3	4.2	6.4#



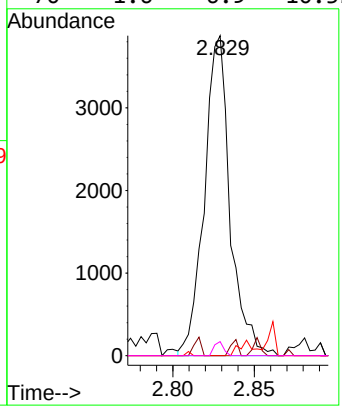


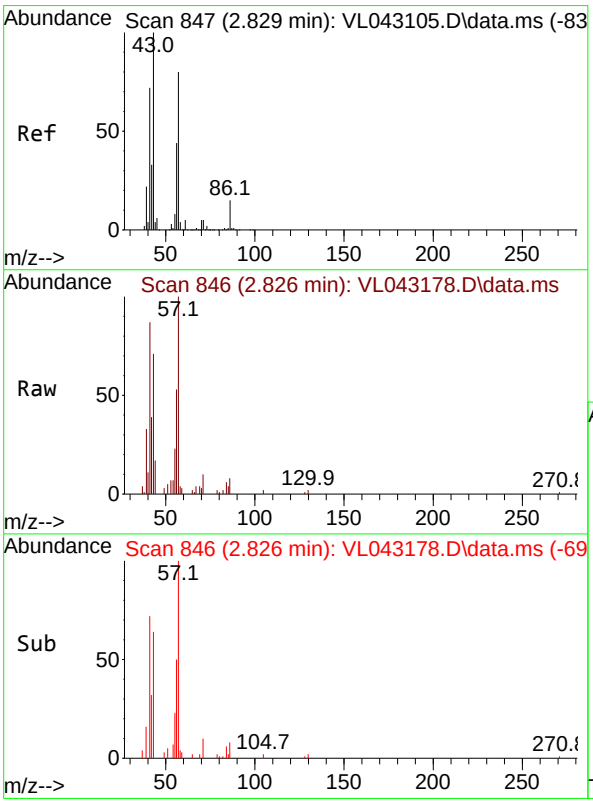
#25
Ethyl Acetate
Concen: 0.097 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.010 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 43 Resp: 4243

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.8#
61	5.6	7.0	10.6#
70	1.6	6.9	10.3#

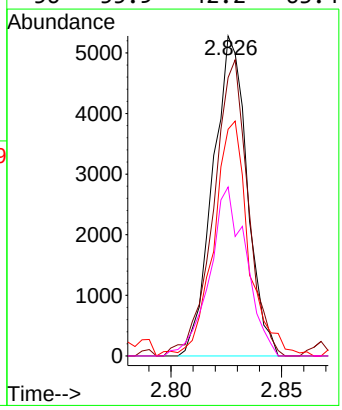


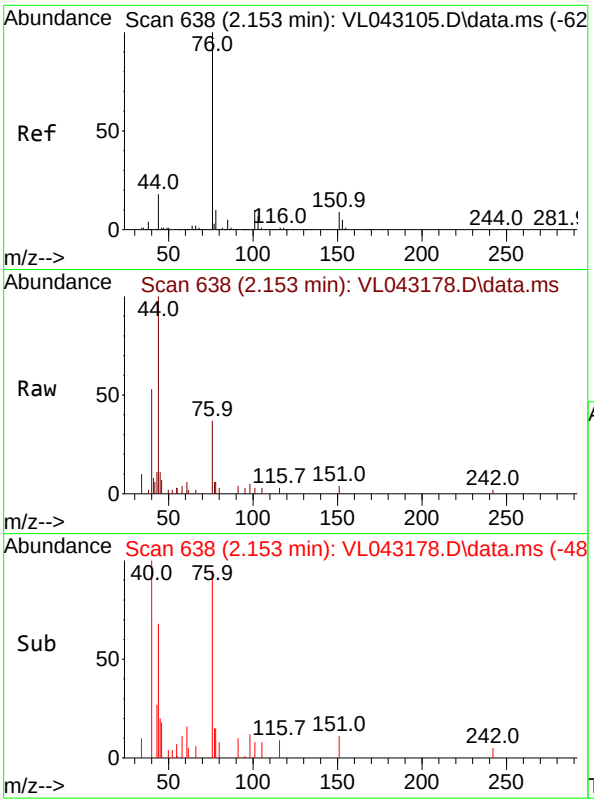


#26
Hexane
Concen: 0.281 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 57 Resp: 5694

Ion	Ratio	Lower	Upper
57	100		
41	95.1	71.4	107.0
43	75.2	178.5	267.7#
56	55.9	42.2	63.4



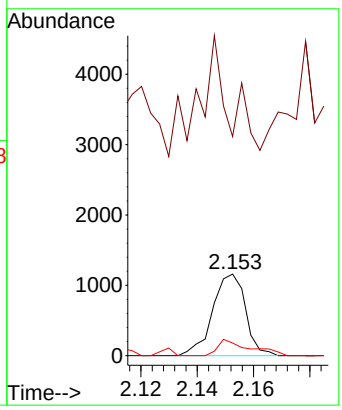


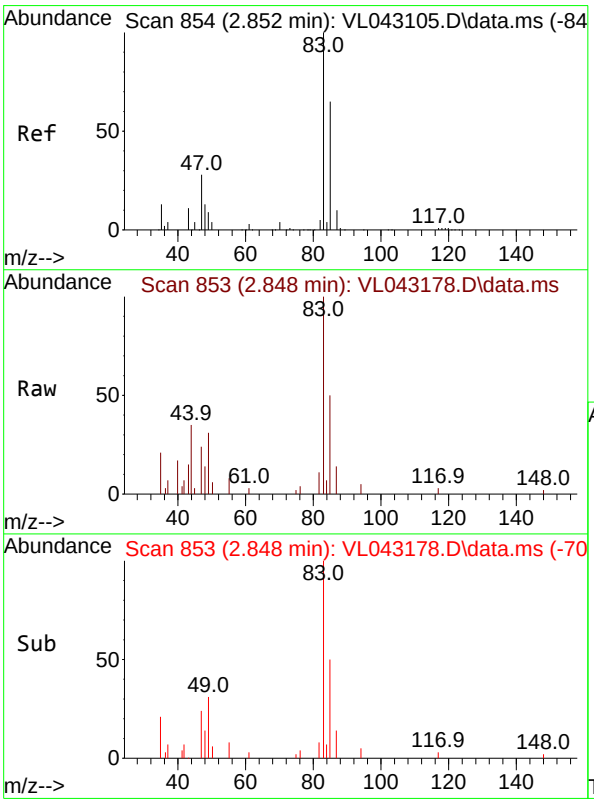
#27
Carbon Disulfide
Concen: 0.051 ppbv
RT: 2.153 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 76 Resp: 941

Ion	Ratio	Lower	Upper
76	100		
44	522.5	16.7	25.1#
78	19.3	9.3	13.9#

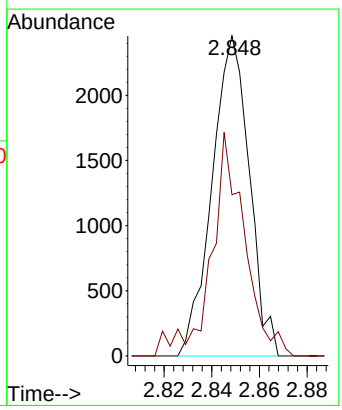


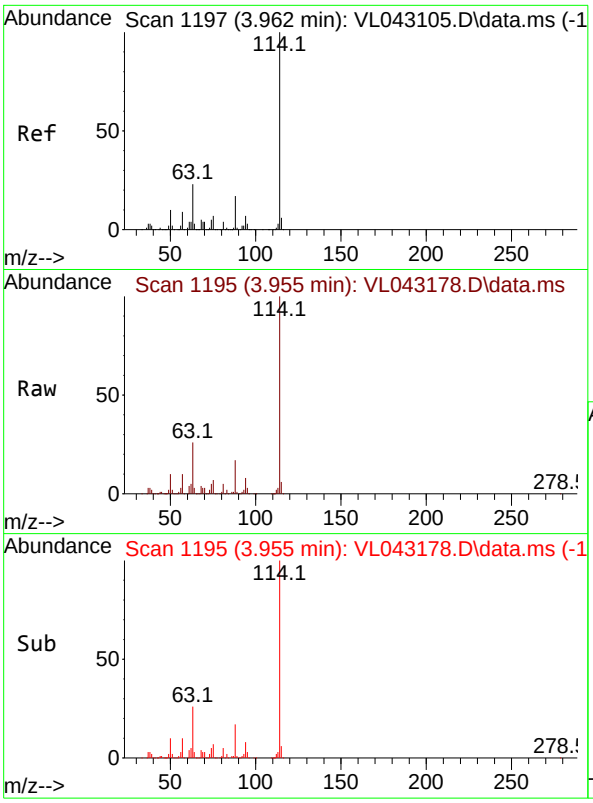


#29
Chloroform
Concen: 0.091 ppbv
RT: 2.848 min Scan# 853
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 83 Resp: 2672

Ion	Ratio	Lower	Upper
83	100		
85	42.8	51.8	77.6#



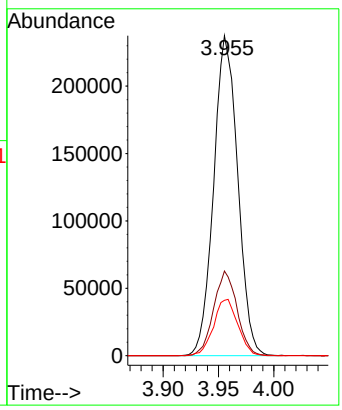


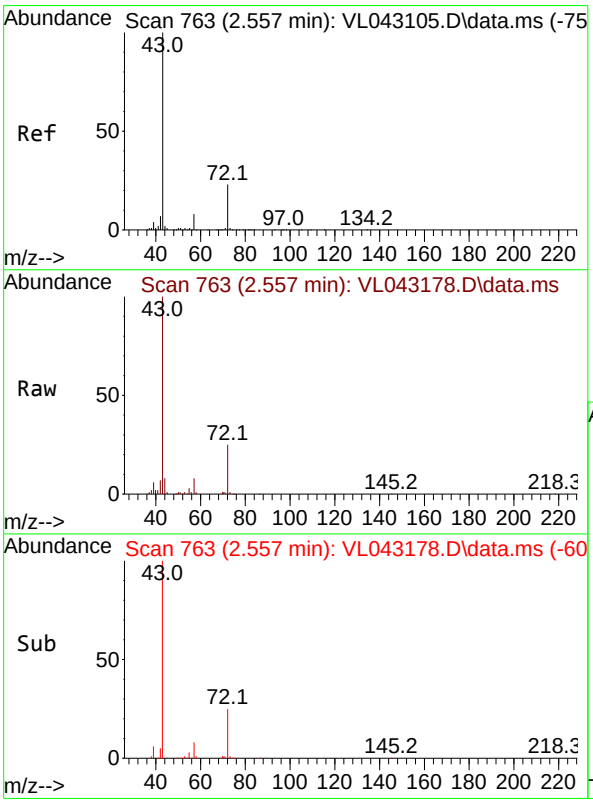
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion:114 Resp: 358615

Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.3	28.9
88	17.8	13.9	20.9

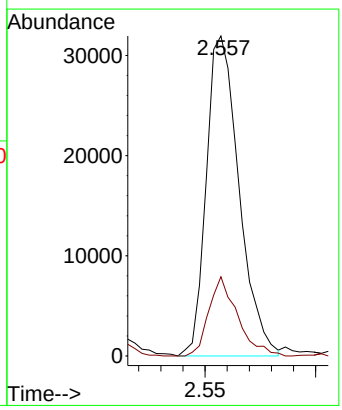


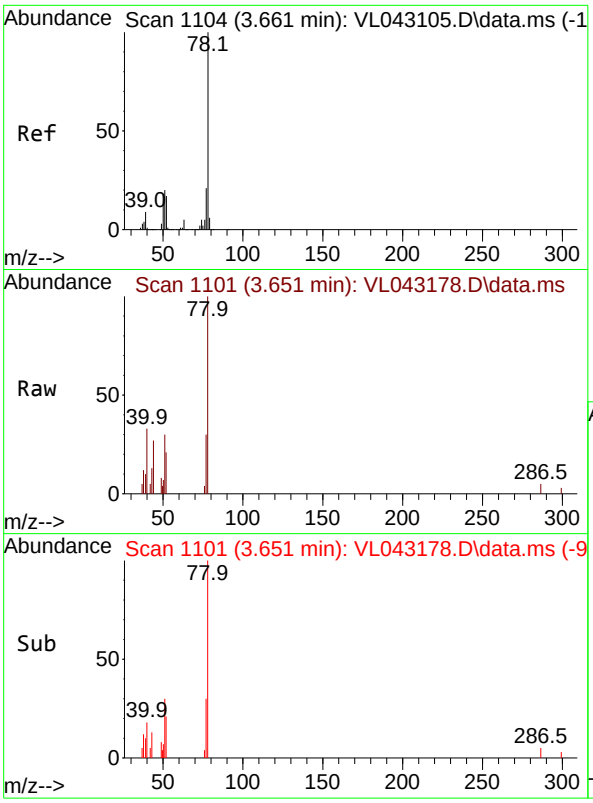


#34
2-Butanone
Concen: 1.362 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 43 Resp: 32842

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.4	27.6



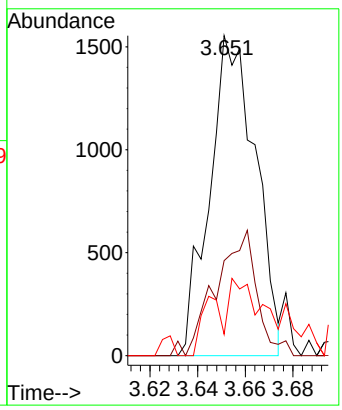


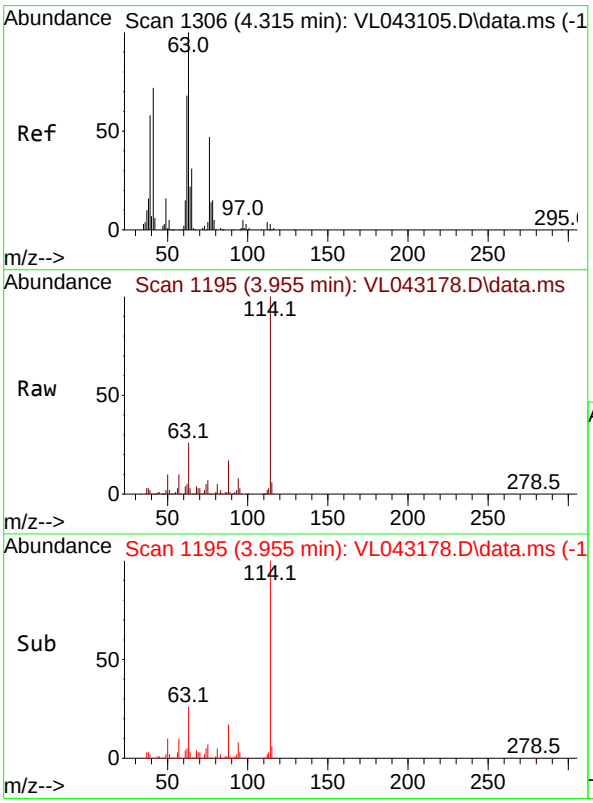
#36
Benzene
Concen: 0.062 ppbv
RT: 3.651 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 78 Resp: 2082

Ion	Ratio	Lower	Upper
78	100		
77	26.1	17.0	25.6#
50	6.7	14.6	22.0#

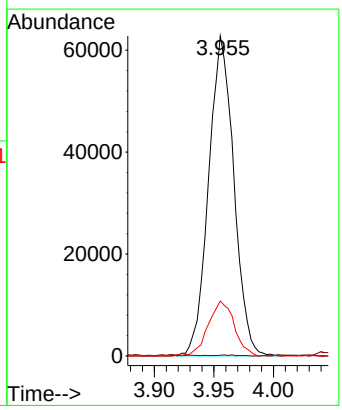


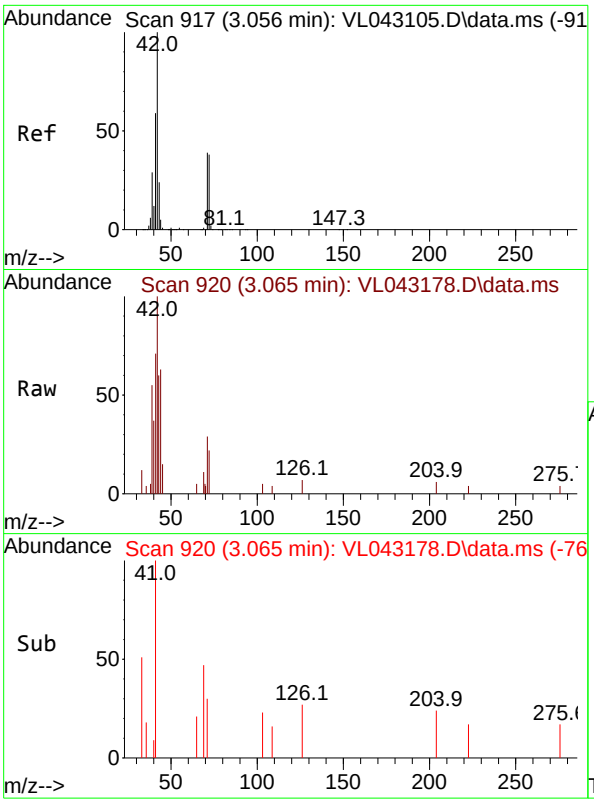


#39
1,2-Dichloropropane
Concen: 7.487 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.360 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 63 Resp: 92451

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.0	87.0#
62	17.0	54.7	82.1#



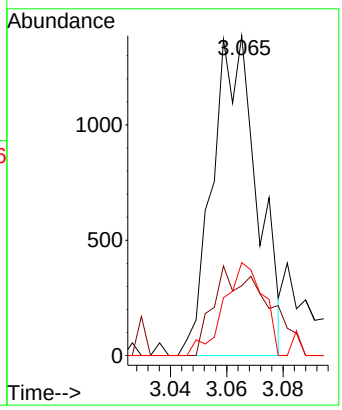


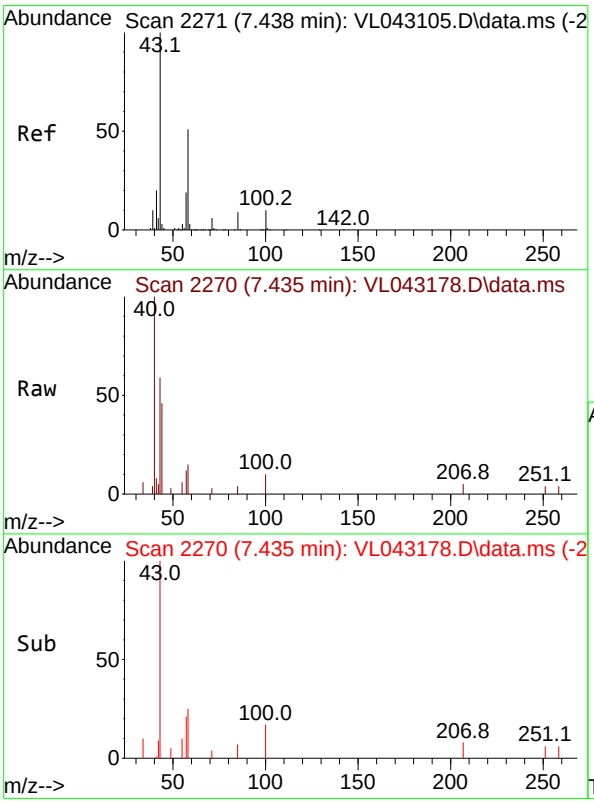
#41
Tetrahydrofuran
Concen: 0.113 ppbv
RT: 3.065 min Scan# 9
Delta R.T. 0.009 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 42 Resp: 1517

Ion	Ratio	Lower	Upper
42	100		
72	33.4	31.3	46.9
71	27.2	30.4	45.6#

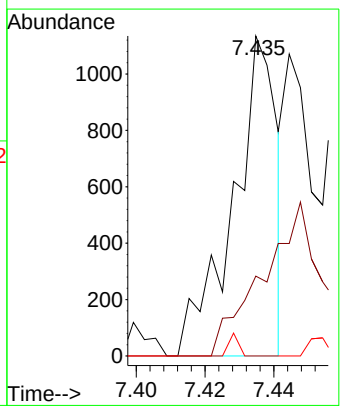


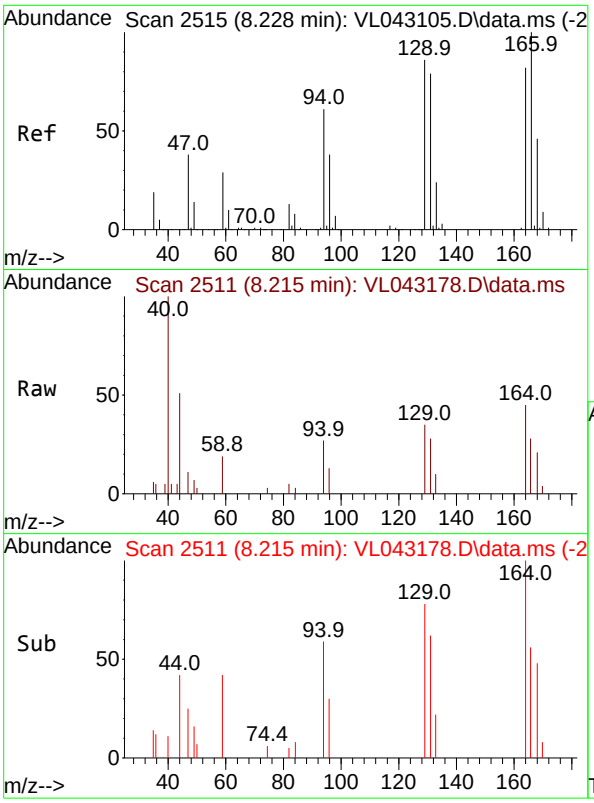


#51
2-Hexanone
Concen: 0.040 ppbv
RT: 7.435 min Scan# 2270
Delta R.T. -0.003 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 43 Resp: 993

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.4	60.6#
98	0.0	0.1	0.1#



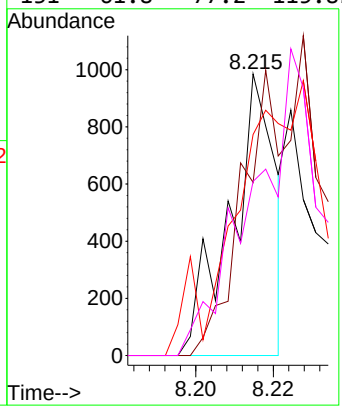


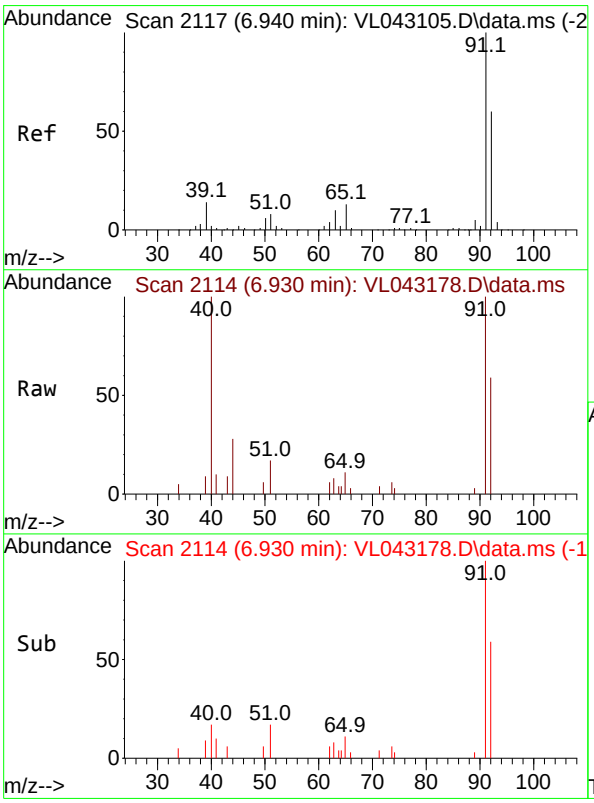
#52
Tetrachloroethene
Concen: 0.064 ppbv
RT: 8.215 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion:164 Resp: 781

Ion	Ratio	Lower	Upper
164	100		
166	61.5	97.6	146.4#
129	67.5	84.5	126.7#
131	61.8	77.2	115.8#

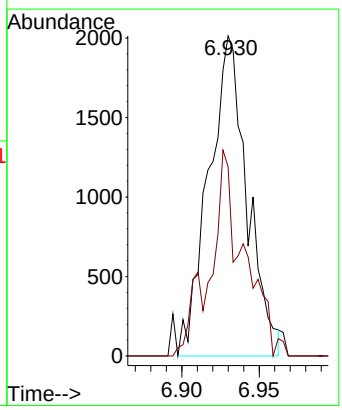


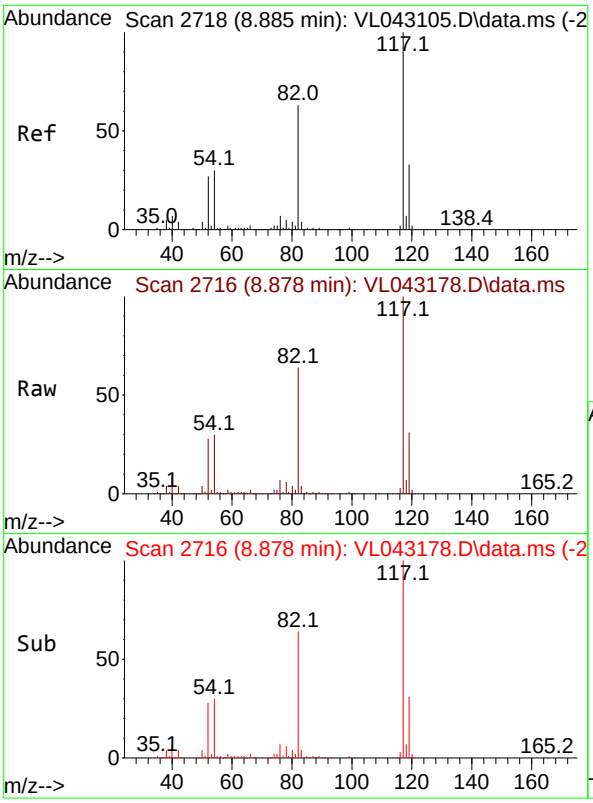


#53
Toluene
Concen: 0.087 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.010 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 91 Resp: 3470

Ion	Ratio	Lower	Upper
91	100		
92	57.2	48.8	73.2



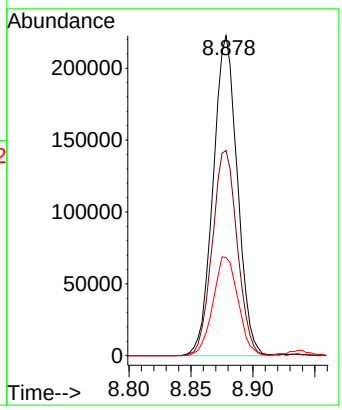


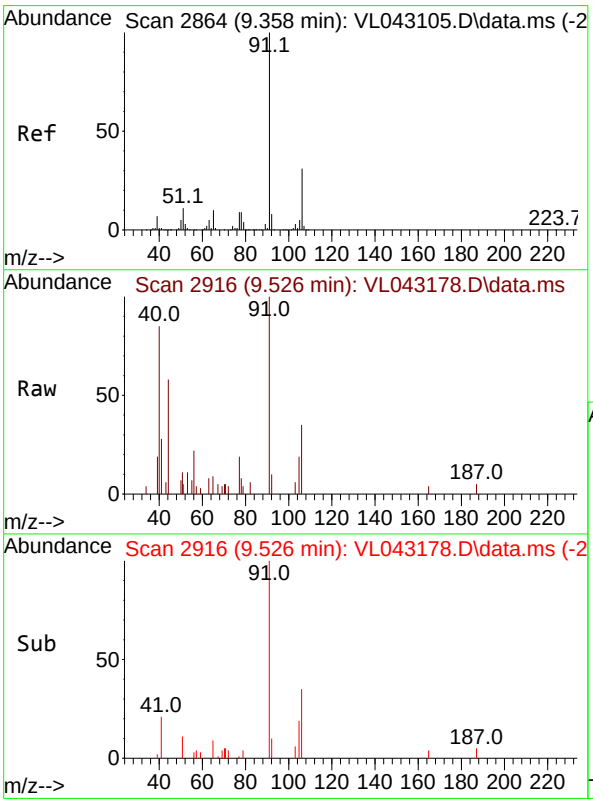
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion:117 Resp: 303524

Ion	Ratio	Lower	Upper
117	100		
82	66.5	53.8	80.8
119	32.1	25.4	38.0

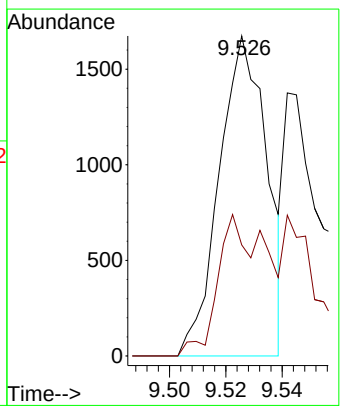


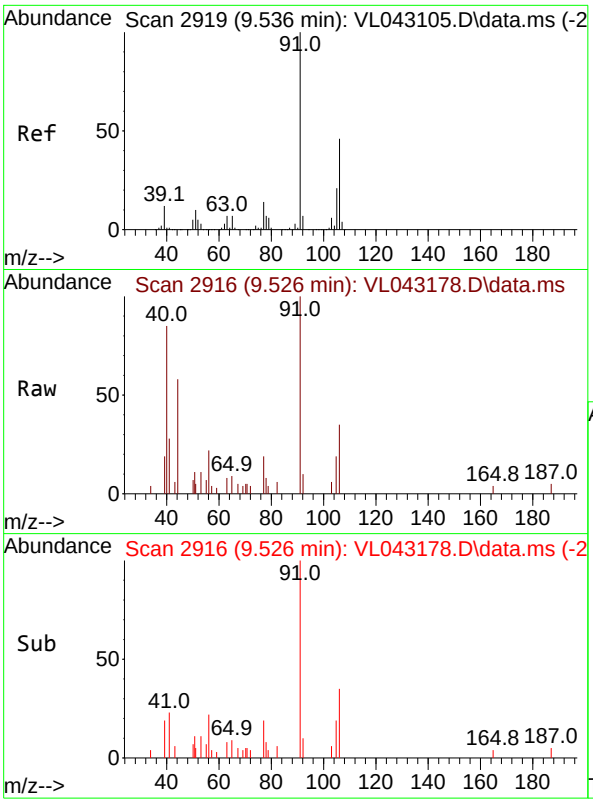


#58
Ethyl Benzene
Concen: 0.038 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. 0.168 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 91 Resp: 1965

Ion	Ratio	Lower	Upper
91	100		
106	34.7	24.8	37.2



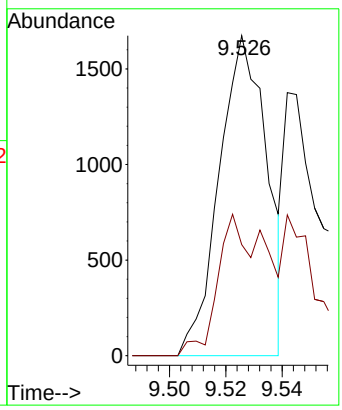


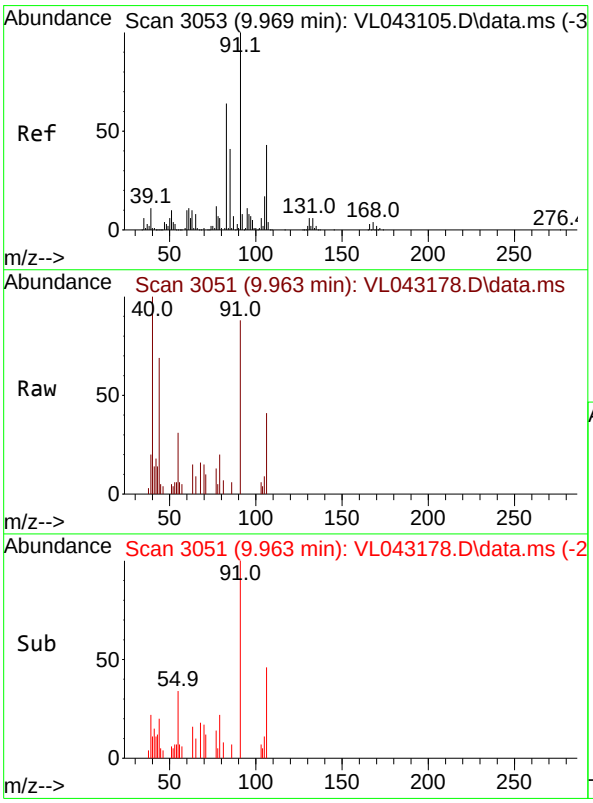
#59
m/p-Xylene
Concen: 0.047 ppbv
RT: 9.526 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 91 Resp: 1965

Ion	Ratio	Lower	Upper
91	100		
106	77.5	38.0	57.0#

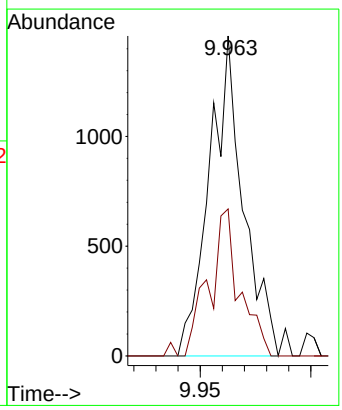


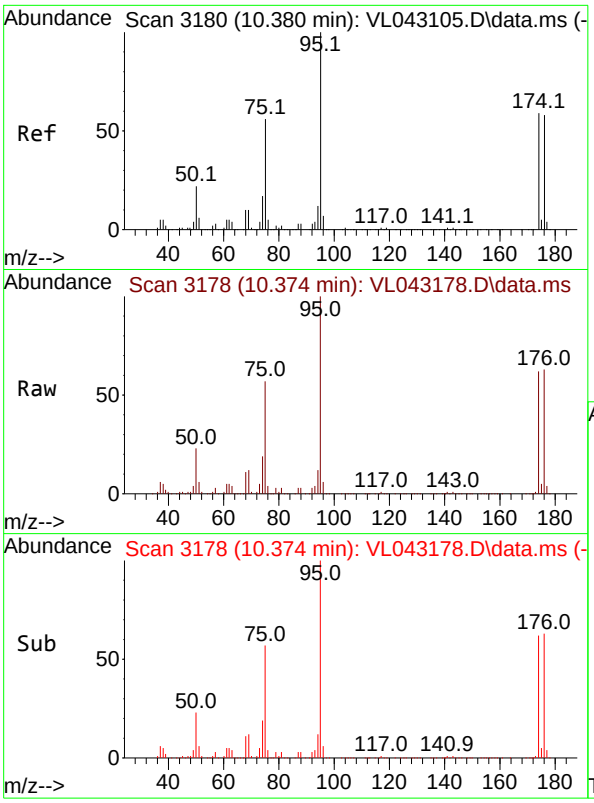


#60
o-Xylene
Concen: 0.038 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion: 91 Resp: 1551

Ion	Ratio	Lower	Upper
91	100		
106	42.2	21.9	65.8



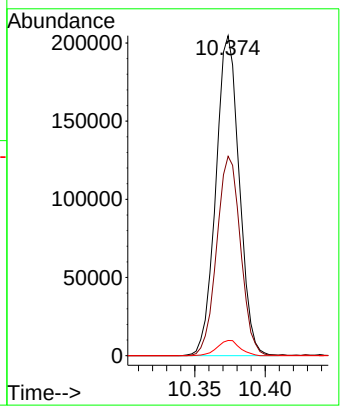


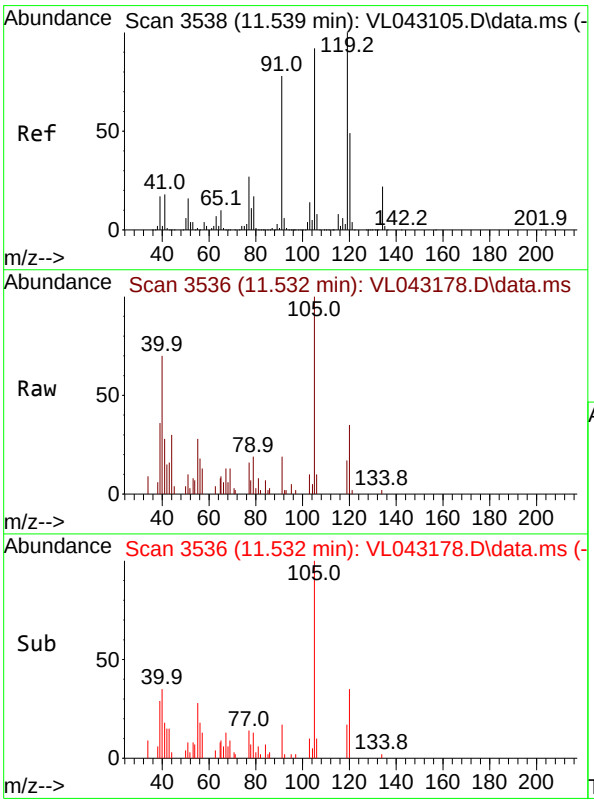
#68
1-Bromo-4-Fluorobenzene
Concen: 10.037 ppbv
RT: 10.374 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion: 95 Resp: 236795

Ion	Ratio	Lower	Upper
95	100		
174	63.5	48.3	72.5
175	4.6	3.8	5.8

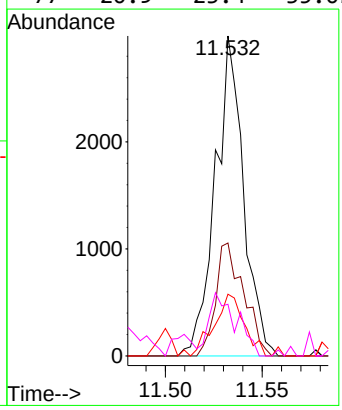


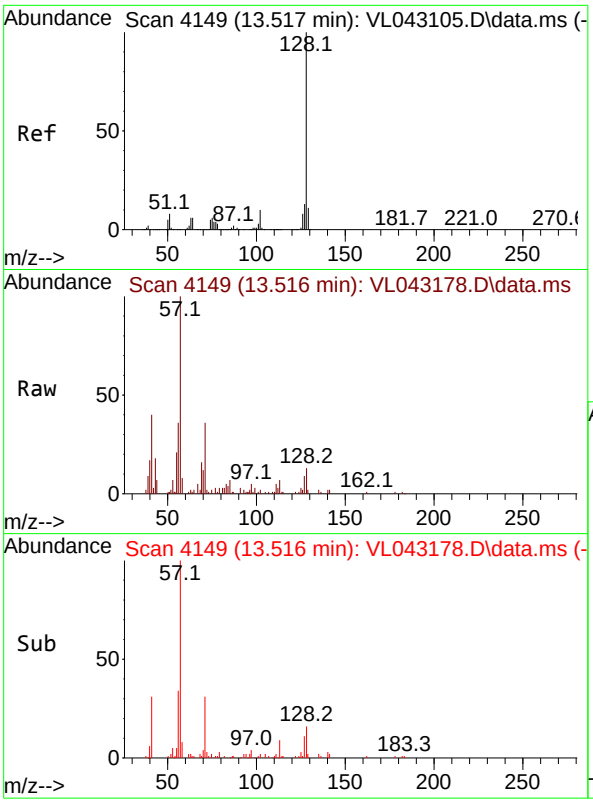


#74
1,2,4-Trimethylbenzene
Concen: 0.065 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.007 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Tgt Ion:105 Resp: 3023

Ion	Ratio	Lower	Upper
105	100		
120	35.3	42.8	64.2#
91	19.3	68.3	102.5#
77	20.9	23.4	35.0#





#79
Naphthalene
Concen: 0.038 ppbv
RT: 13.516 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043178.D
Acq: 06 Nov 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
141-SG-2

Tgt Ion:128 Resp: 1855

Ion	Ratio	Lower	Upper
128	100		
127	68.0	10.5	15.7#
129	13.7	9.1	13.7#